

Input and output:

Colorimetric Printer Reflective System ORS19_96a
data for any colour:

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

elementary hue text:

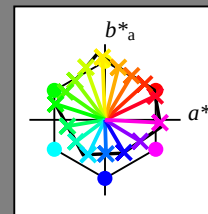
$u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$

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

$u^*_{rel} = 89$

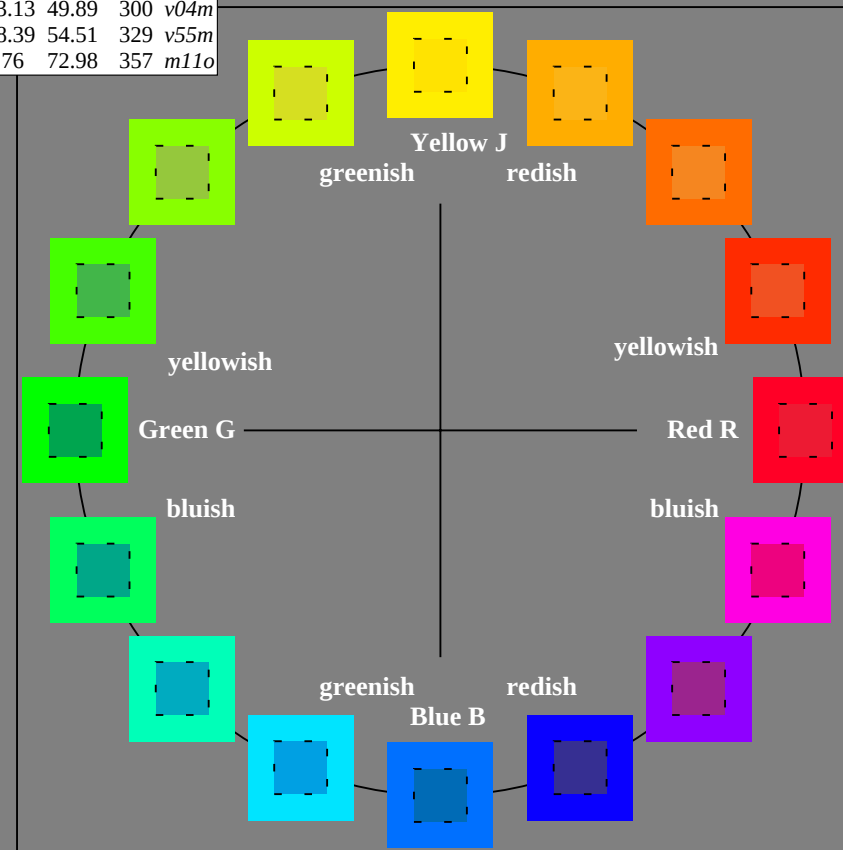
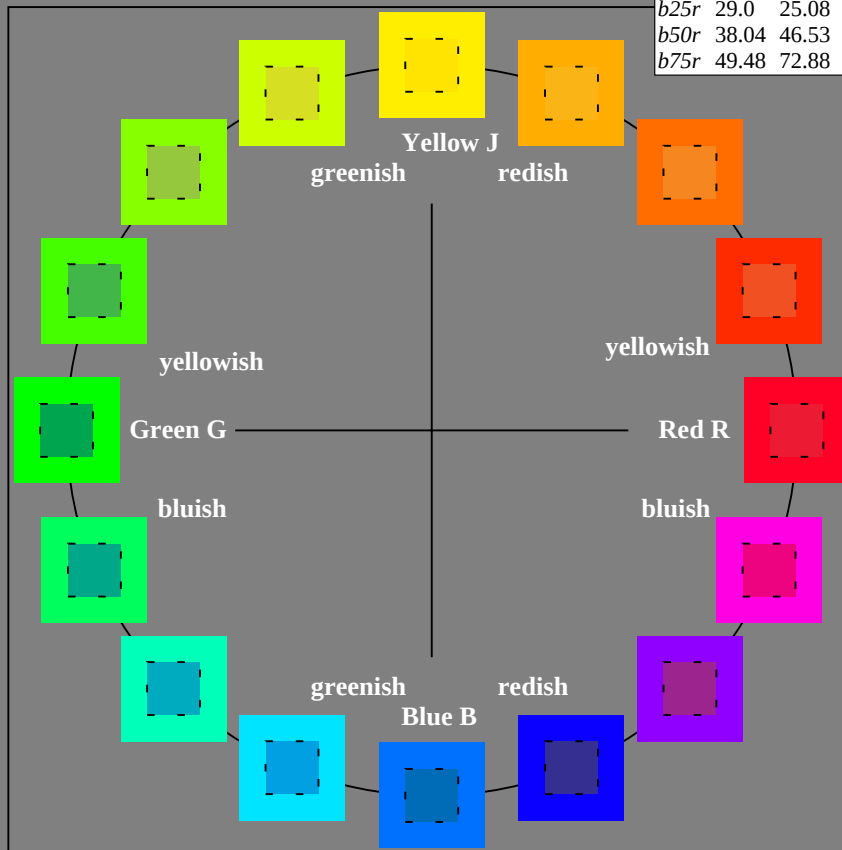
%Regularity

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

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

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^*

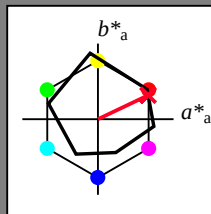
Hue texts:

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

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

$u^*_{rel} = 89$

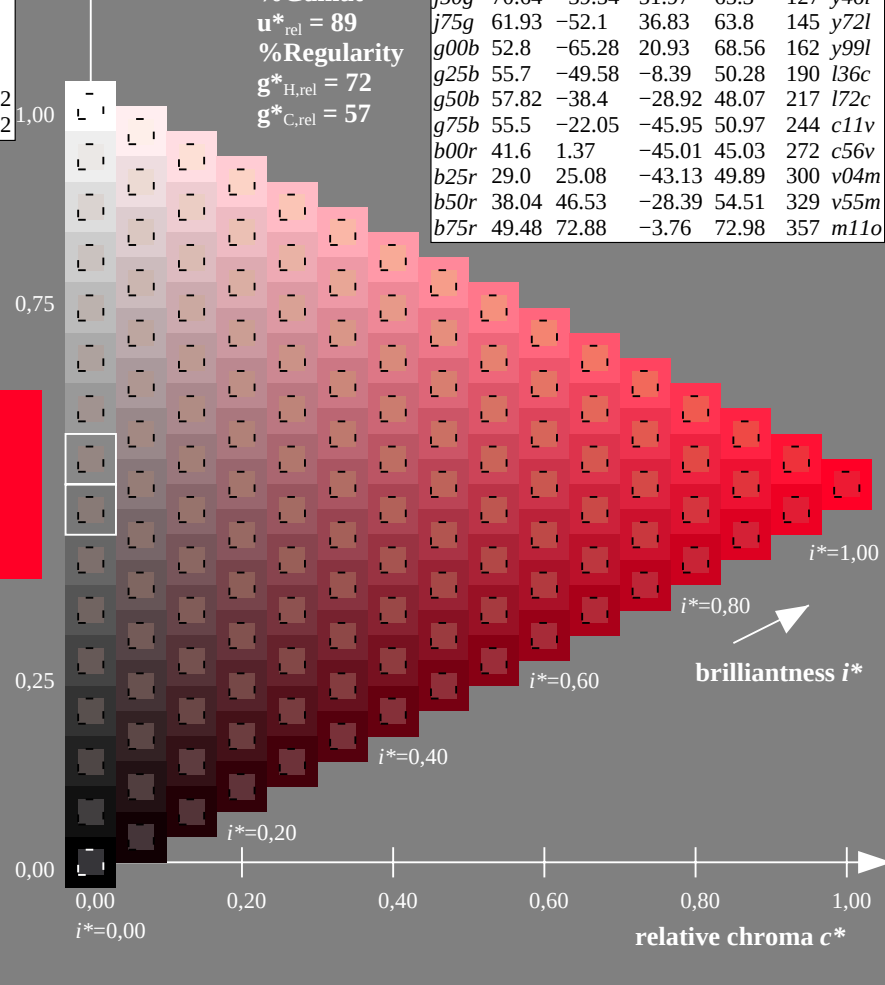
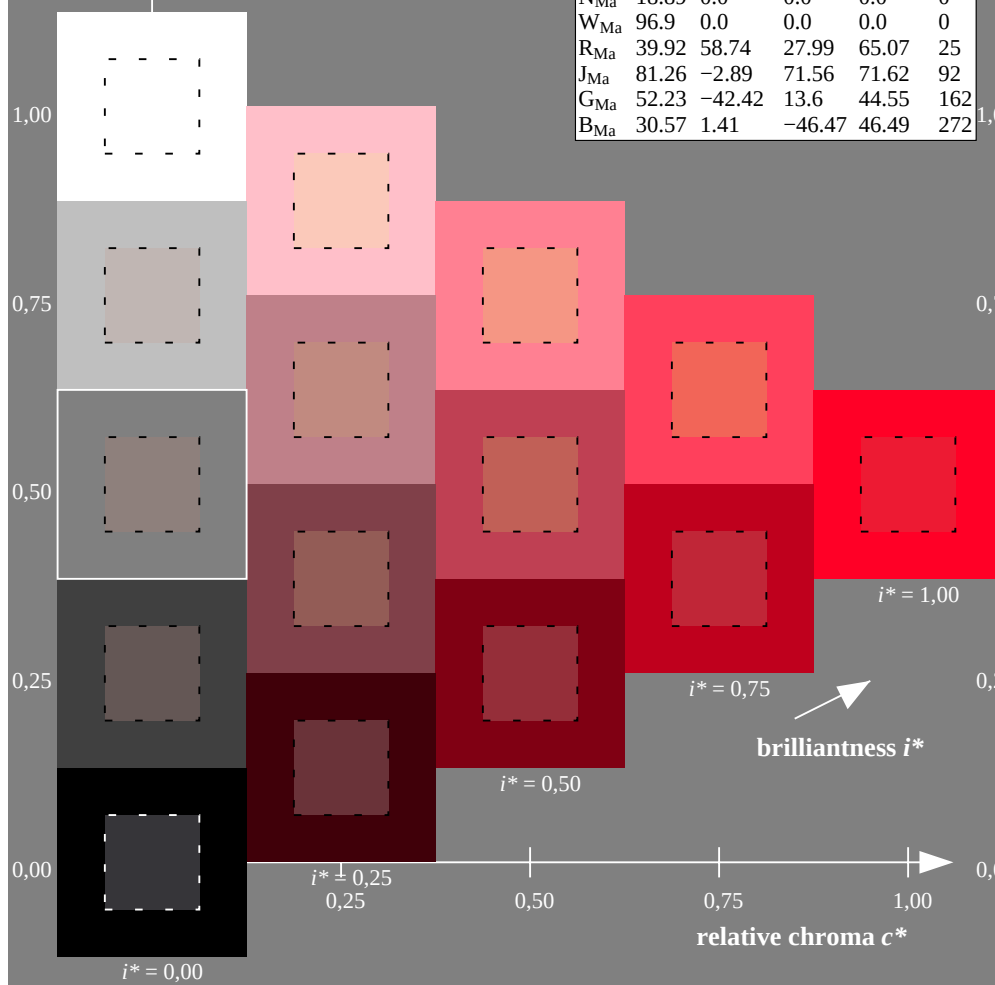
%Regularity

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

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

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^*

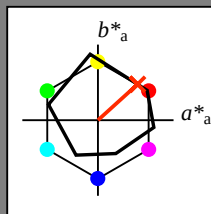
Hue texts:

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

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

$u^*_{rel} = 89$

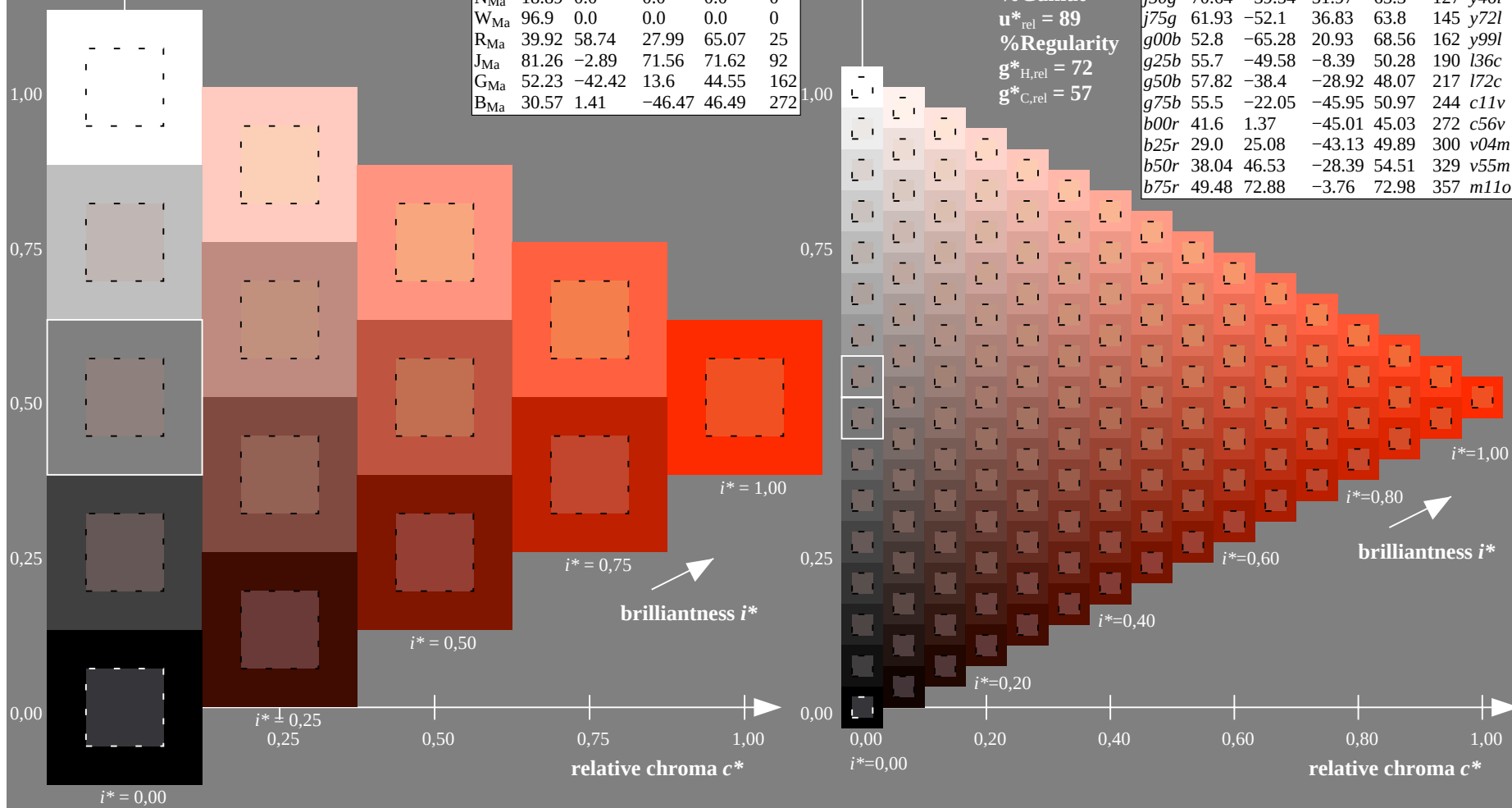
%Regularity

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

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

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^*

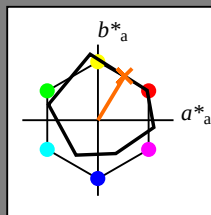
Hue texts:

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

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

$u^*_{rel} = 89$

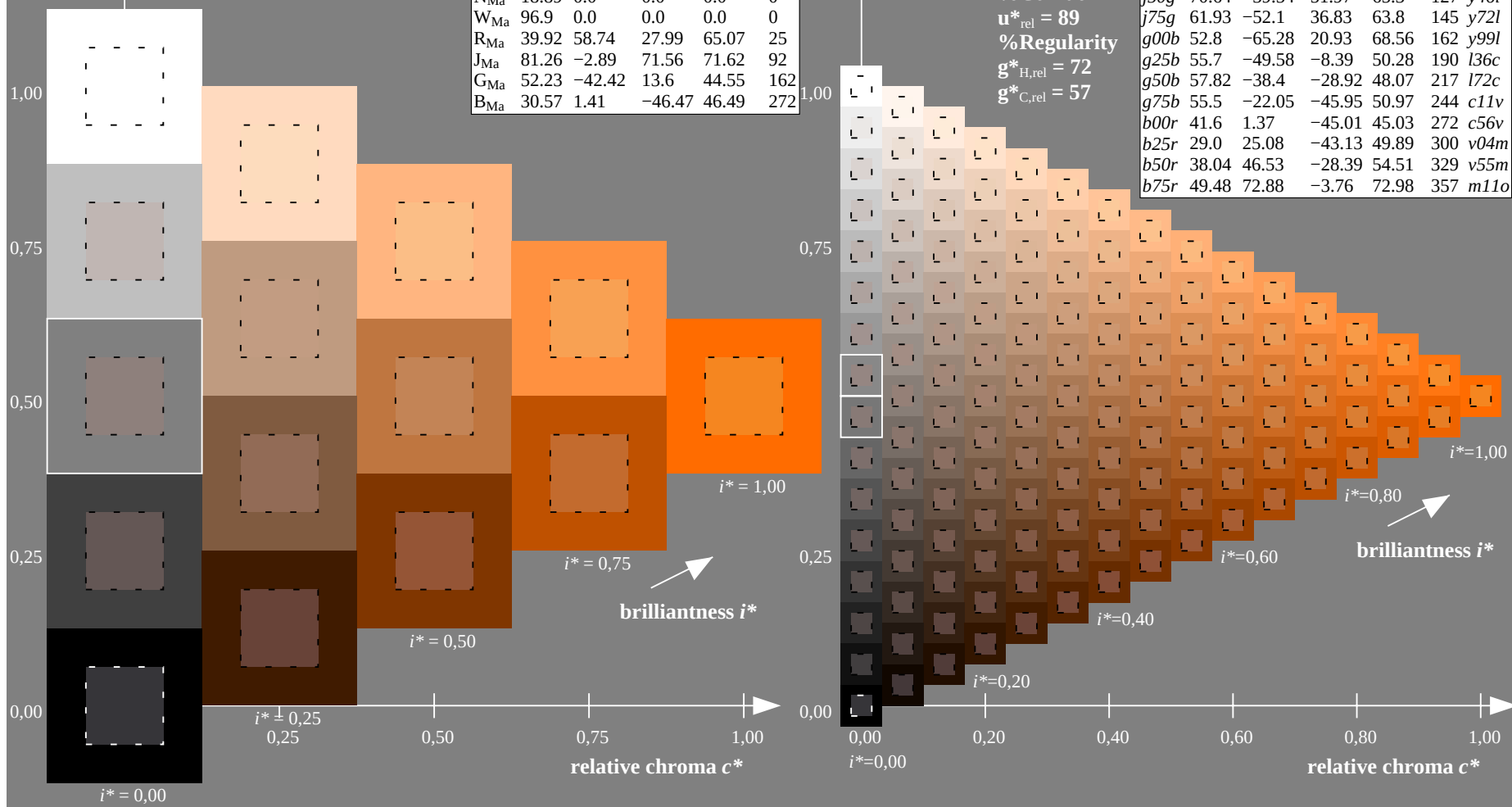
%Regularity

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

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

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^*

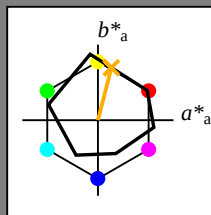
Hue texts:

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

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

$u^*_{rel} = 89$

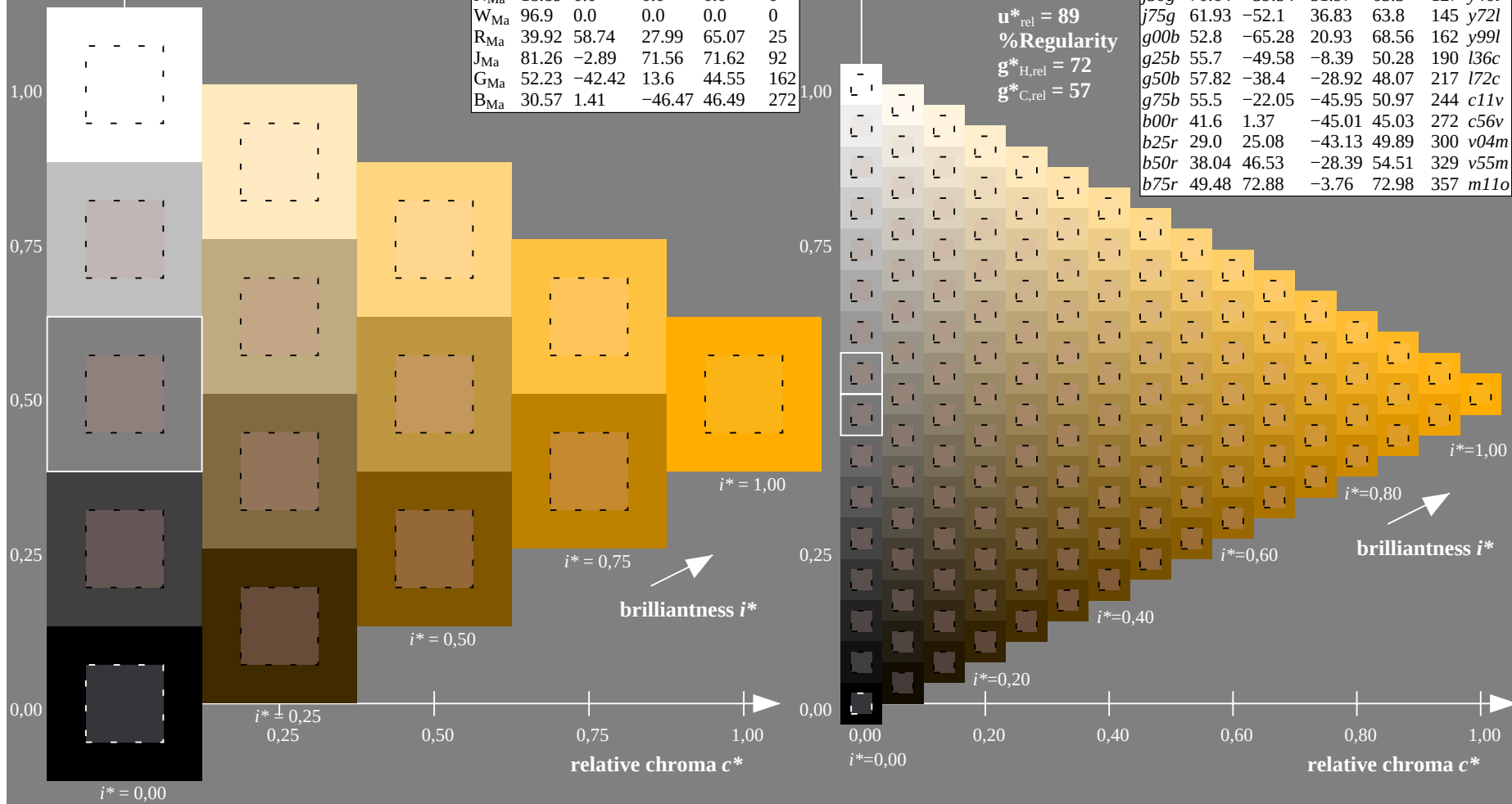
%Regularity

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

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

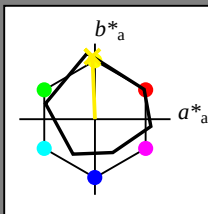
ORS19_96a; adapted (a) CIELAB data

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^*



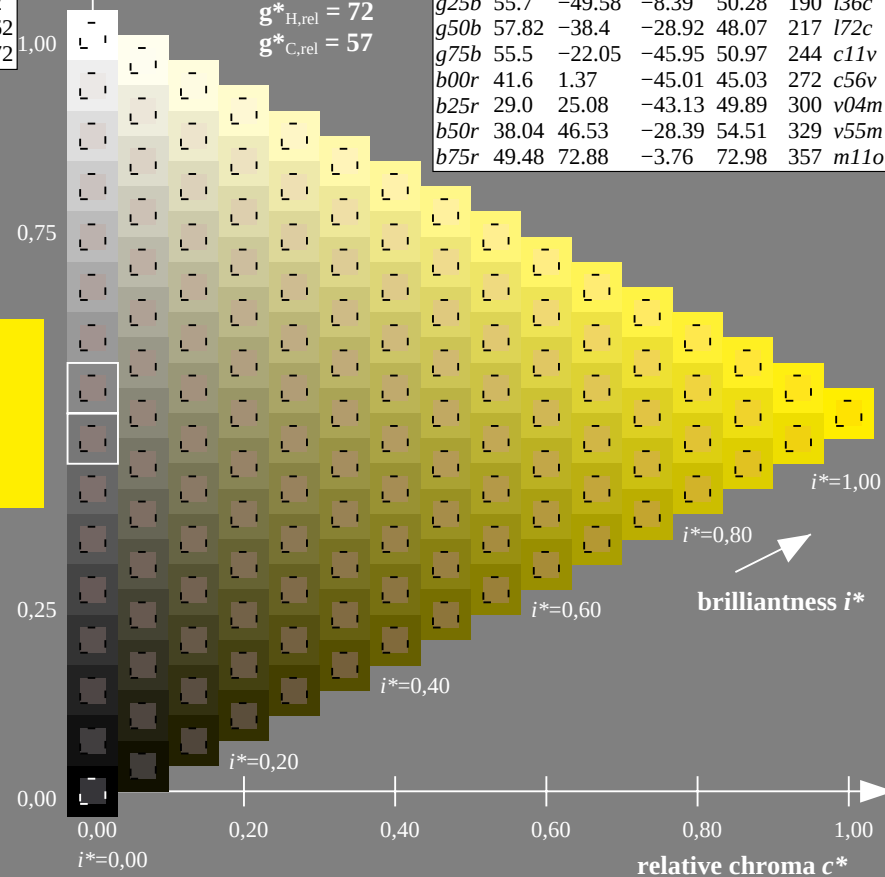
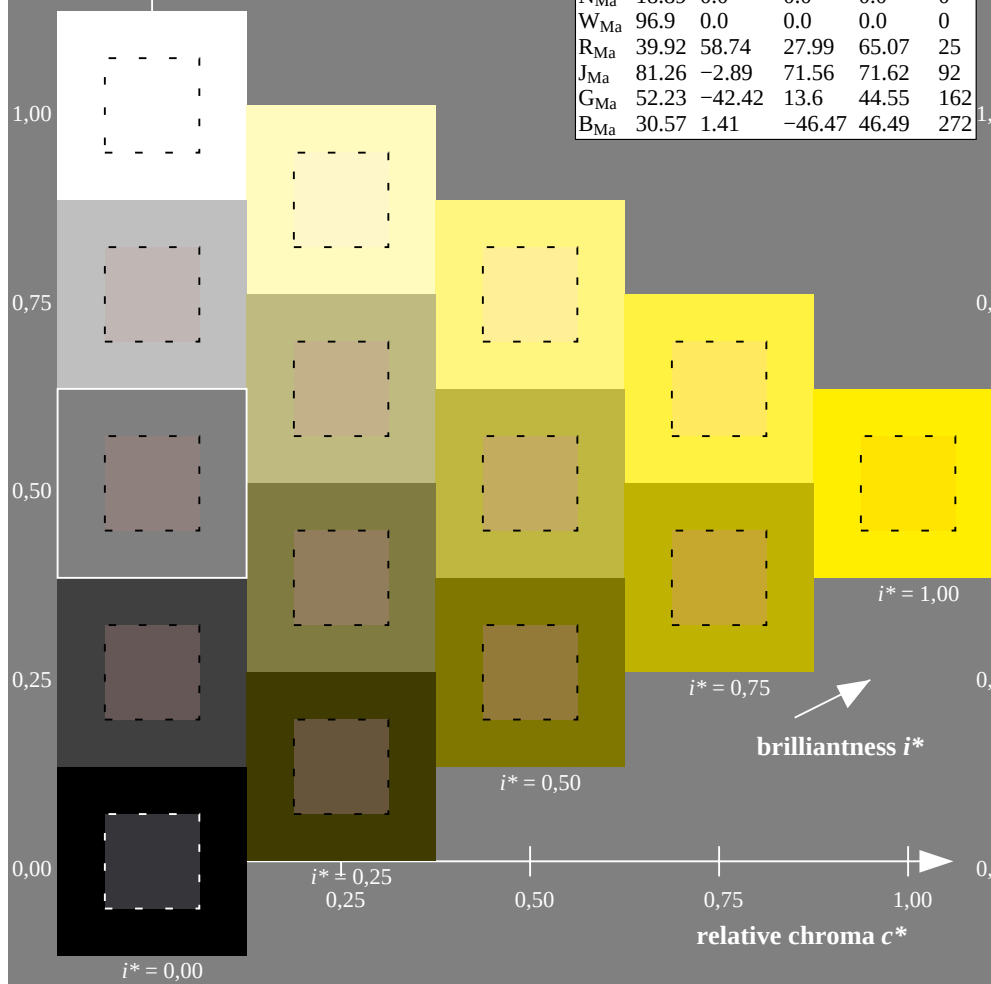
ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-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 $h^* = lab^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

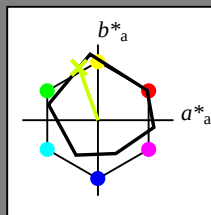
Hue texts:

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

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

$u^*_{rel} = 89$

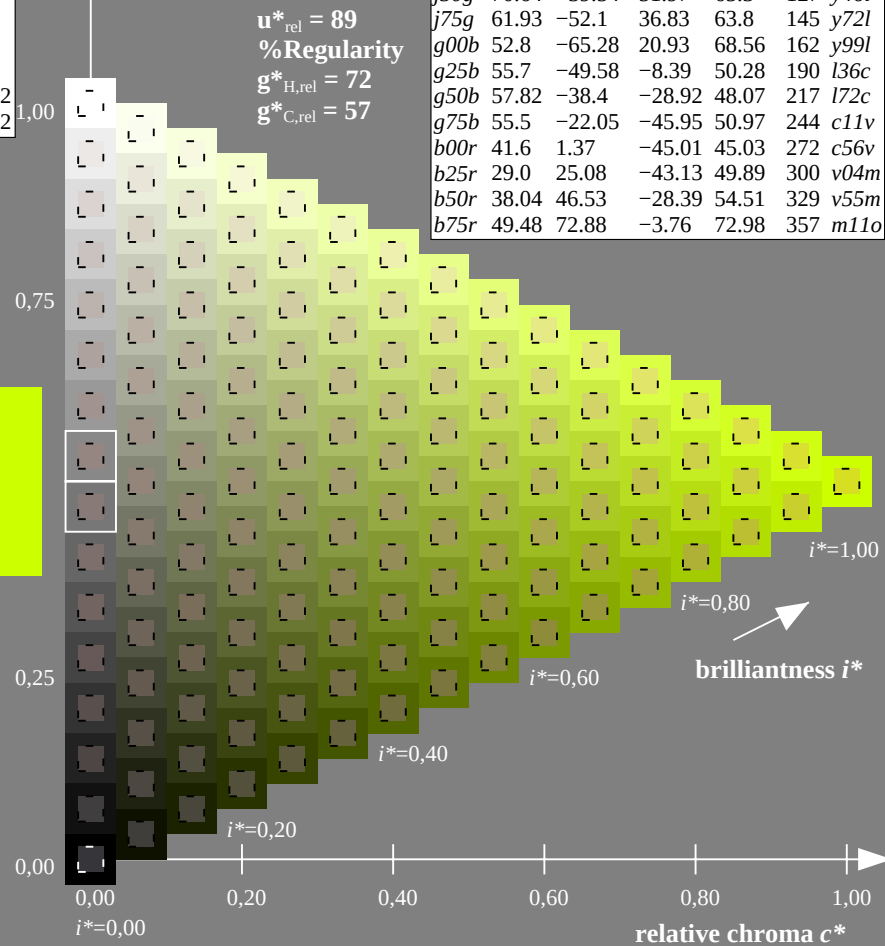
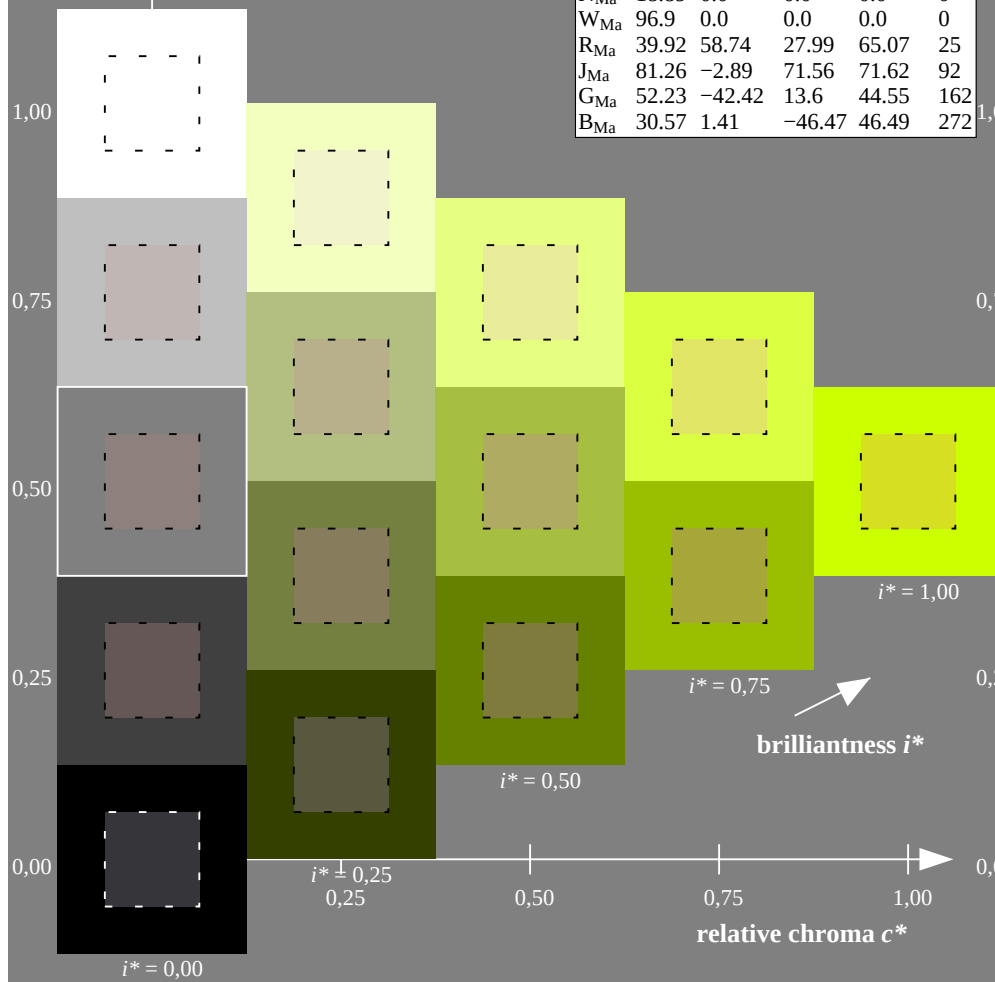
%Regularity

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

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

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^*

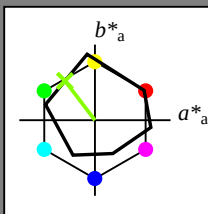
Hue texts:

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

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

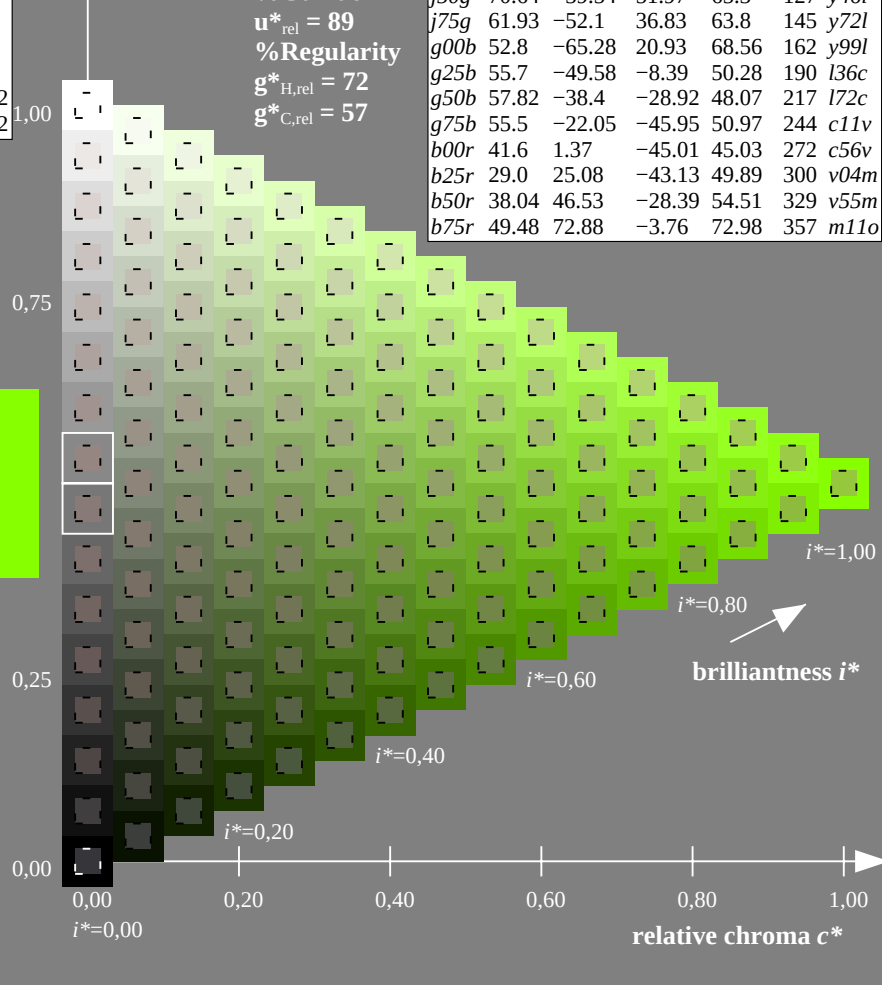
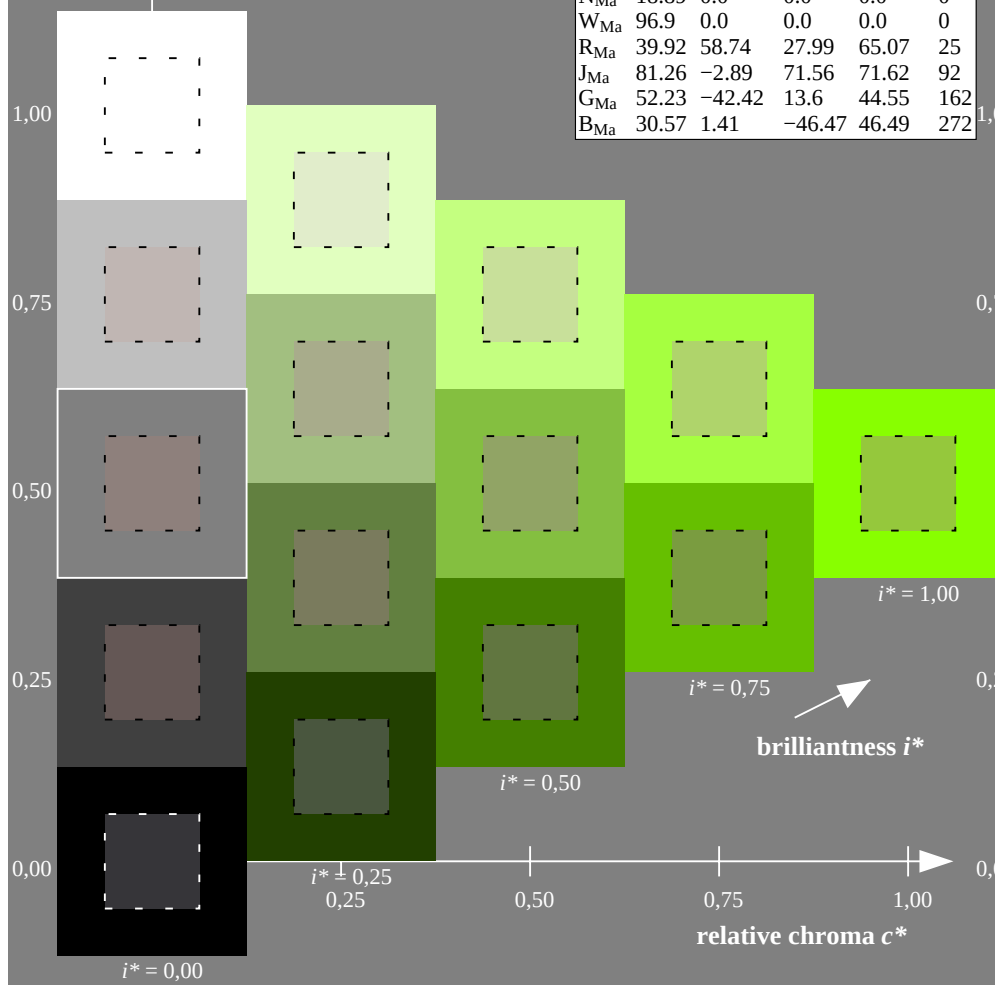
$u^*_{rel} = 89$

%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^*

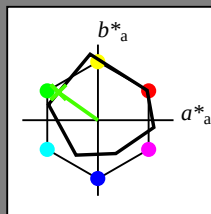
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	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

$u^*_{rel} = 89$

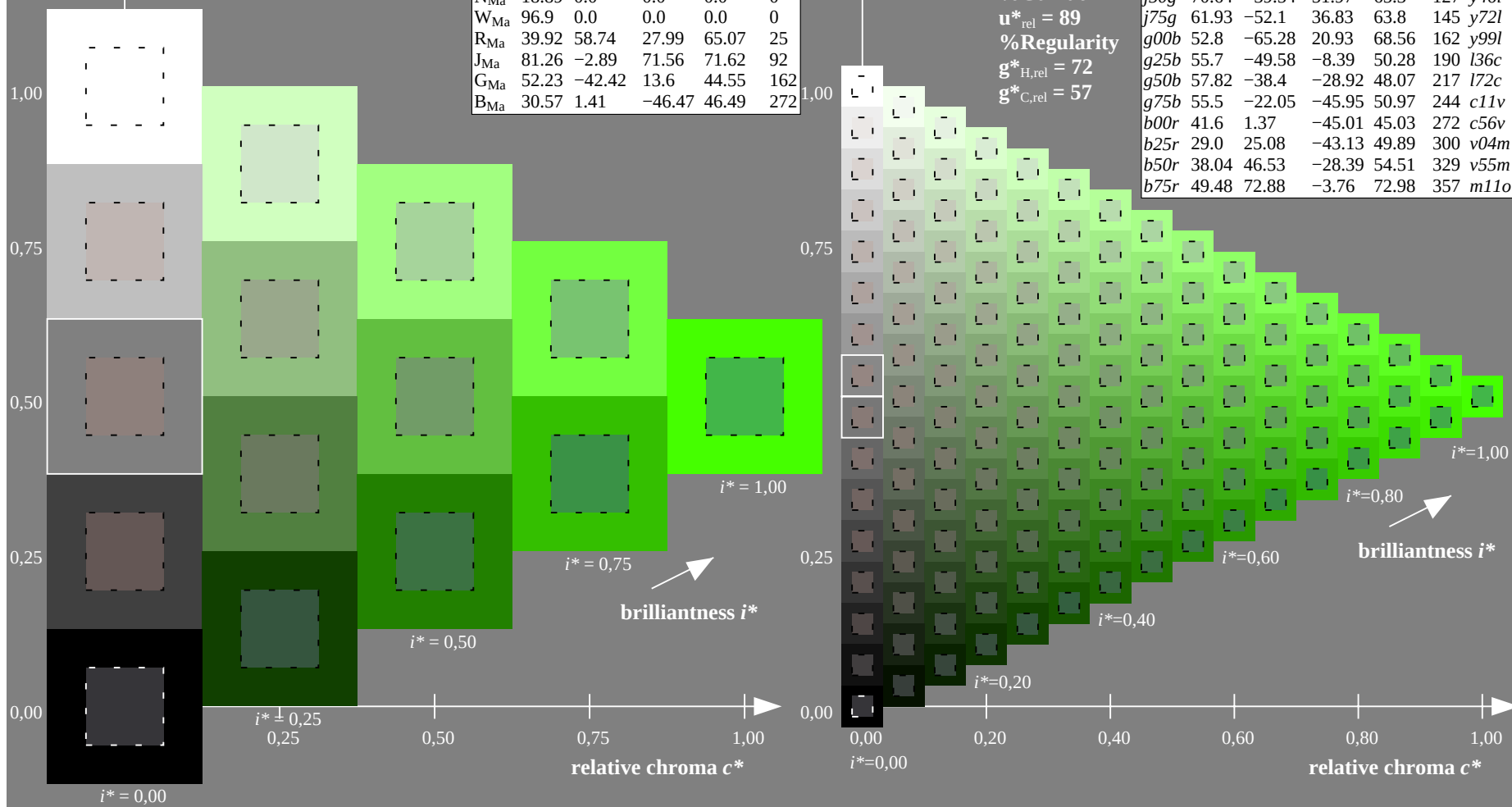
%Regularity

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

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

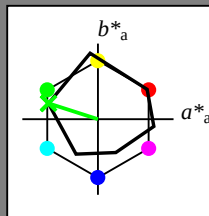
ORS19_96a; adapted (a) CIELAB data

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^*



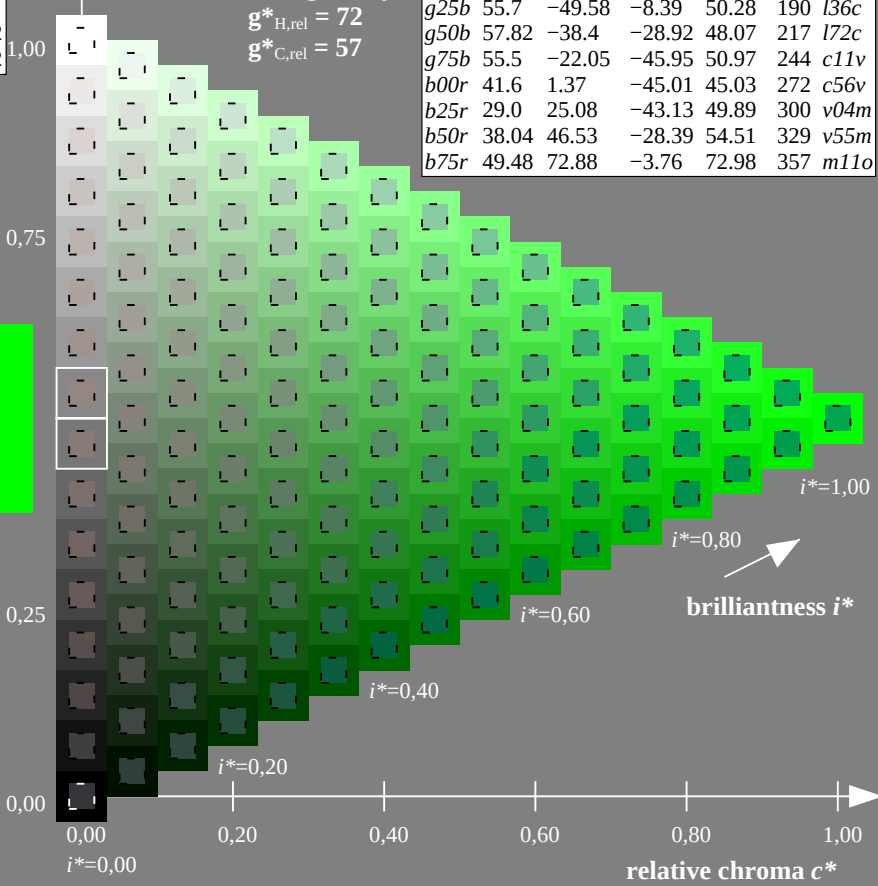
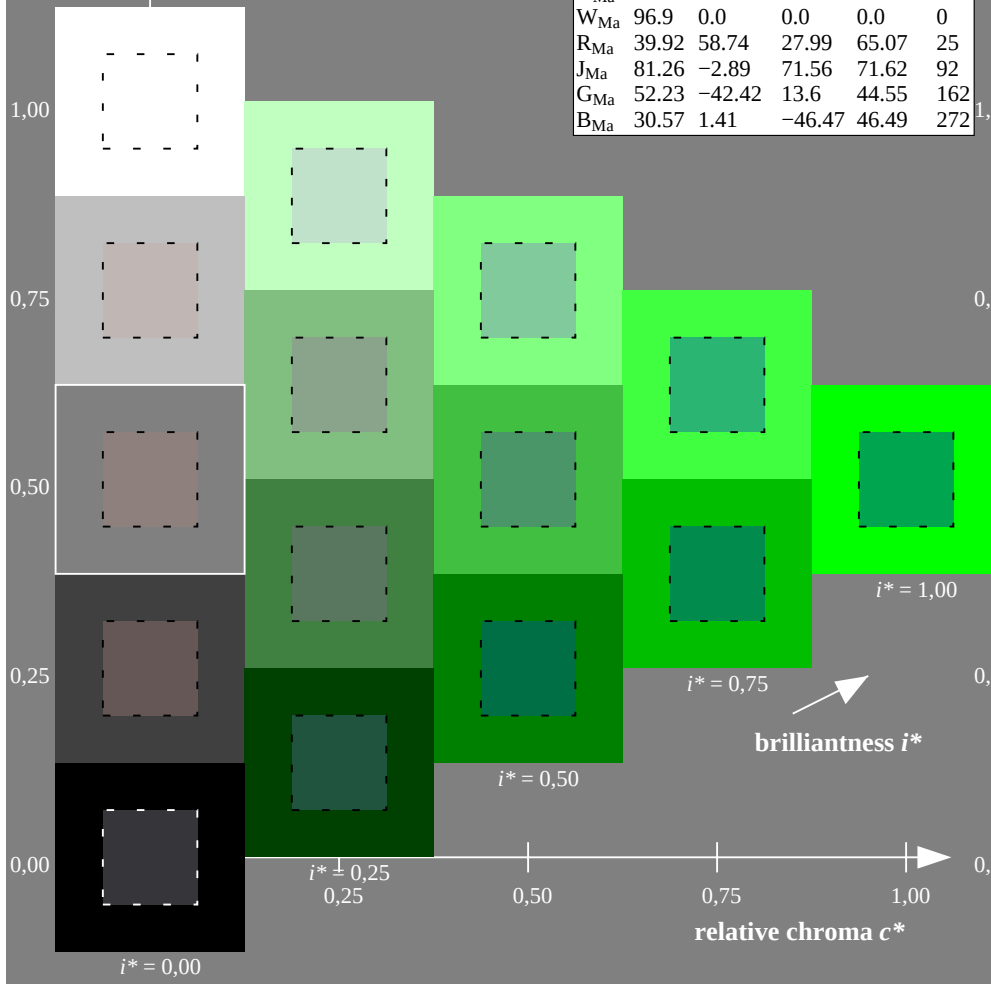
ORS19_96a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	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^*

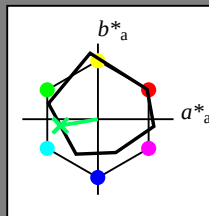
%Gamut
 $u^*_{rel} = 89$
%Regularity
 $g^*_{H,rel} = 72$
 $g^*_{C,rel} = 57$

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^*



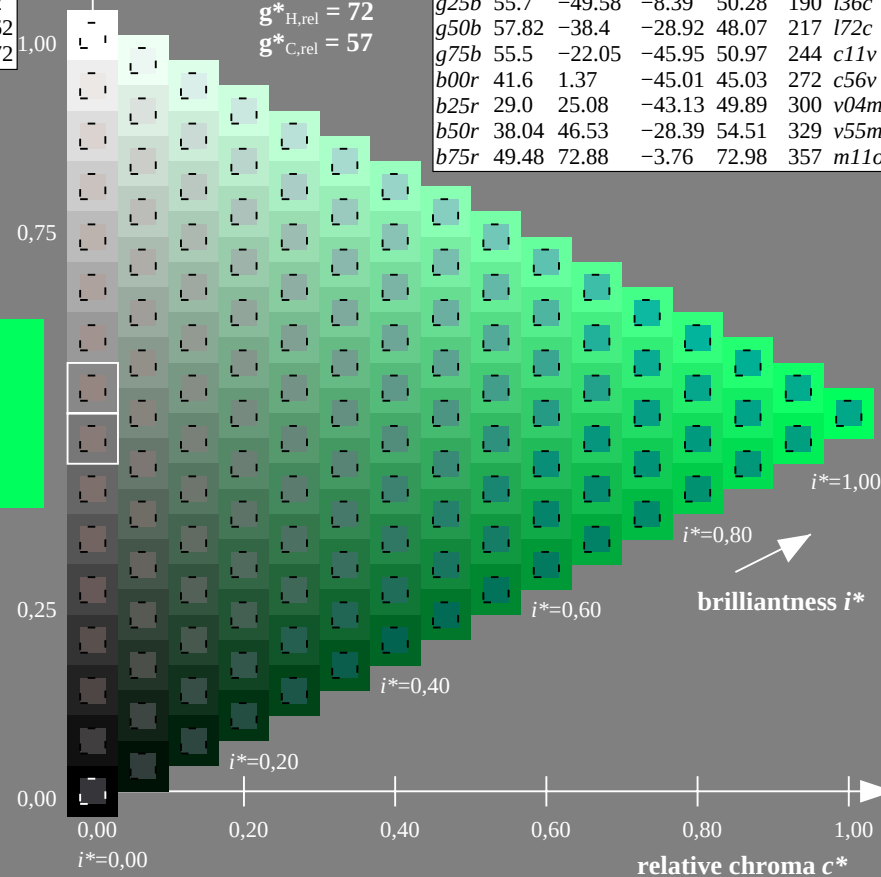
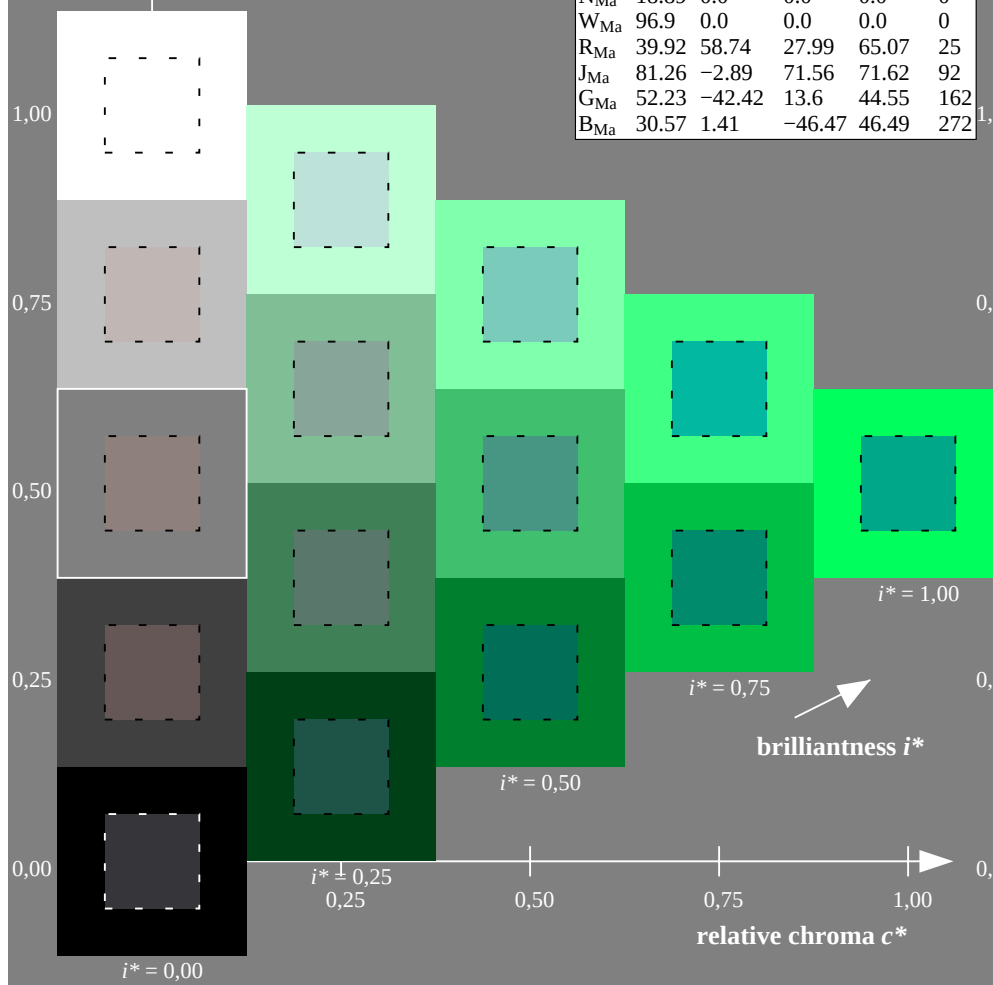
ORS19_96a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	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	$C^*_{ab,a}$	$h^*_{ab,a}$
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 $h^* = lab^*h^* = h_{ab}/360 = 0.603$

data for any colour:

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

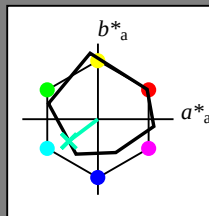
Hue texts:

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

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

$u^*_{rel} = 89$

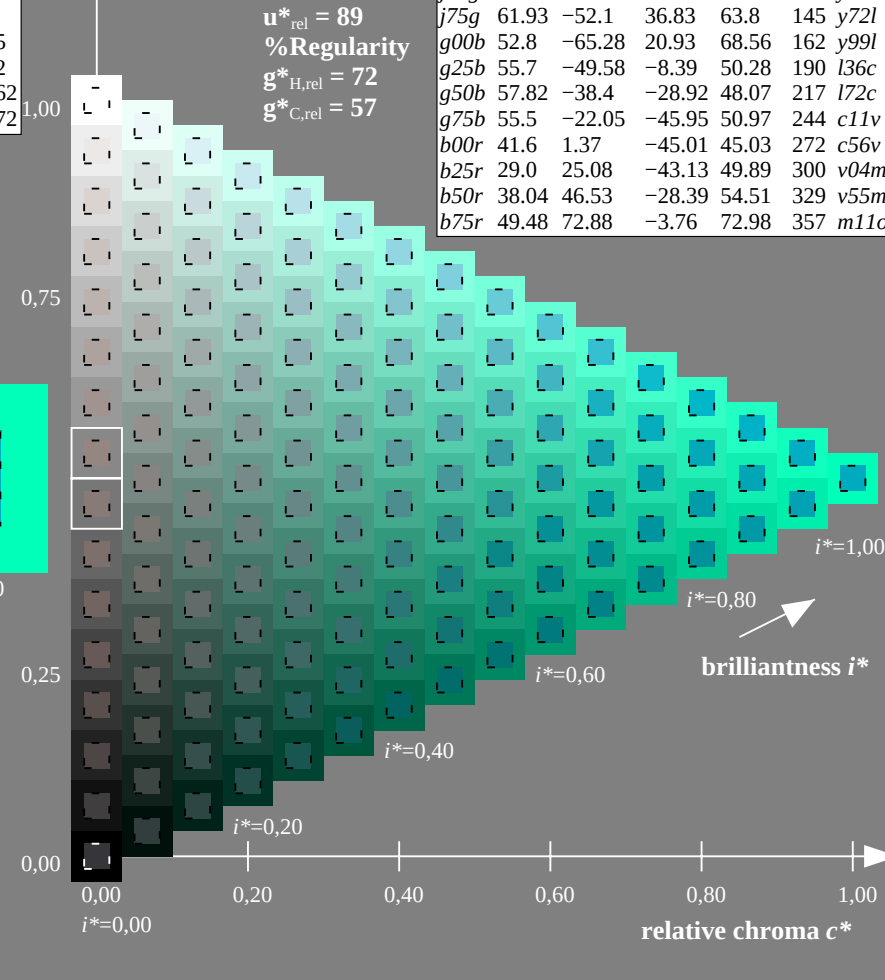
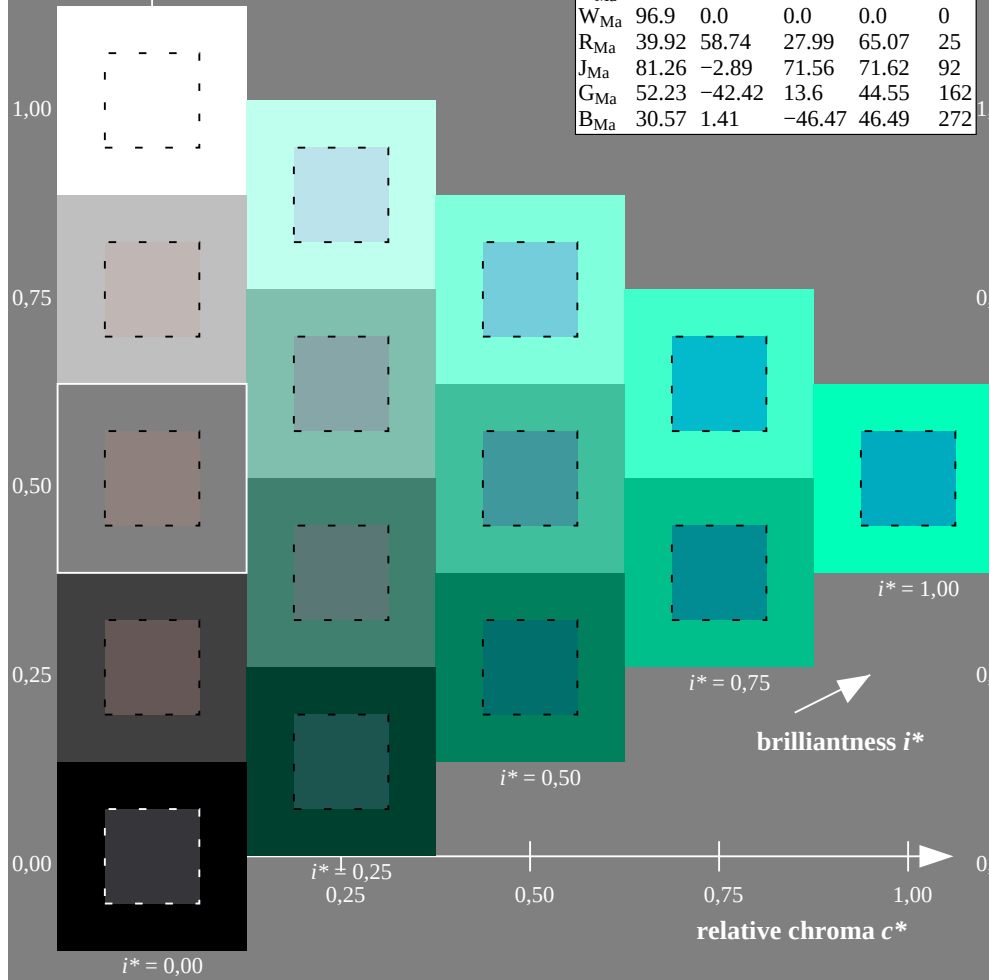
%Regularity

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

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

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^*

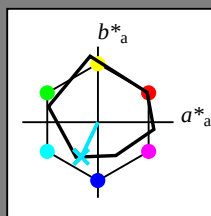
Hue texts:

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

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

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

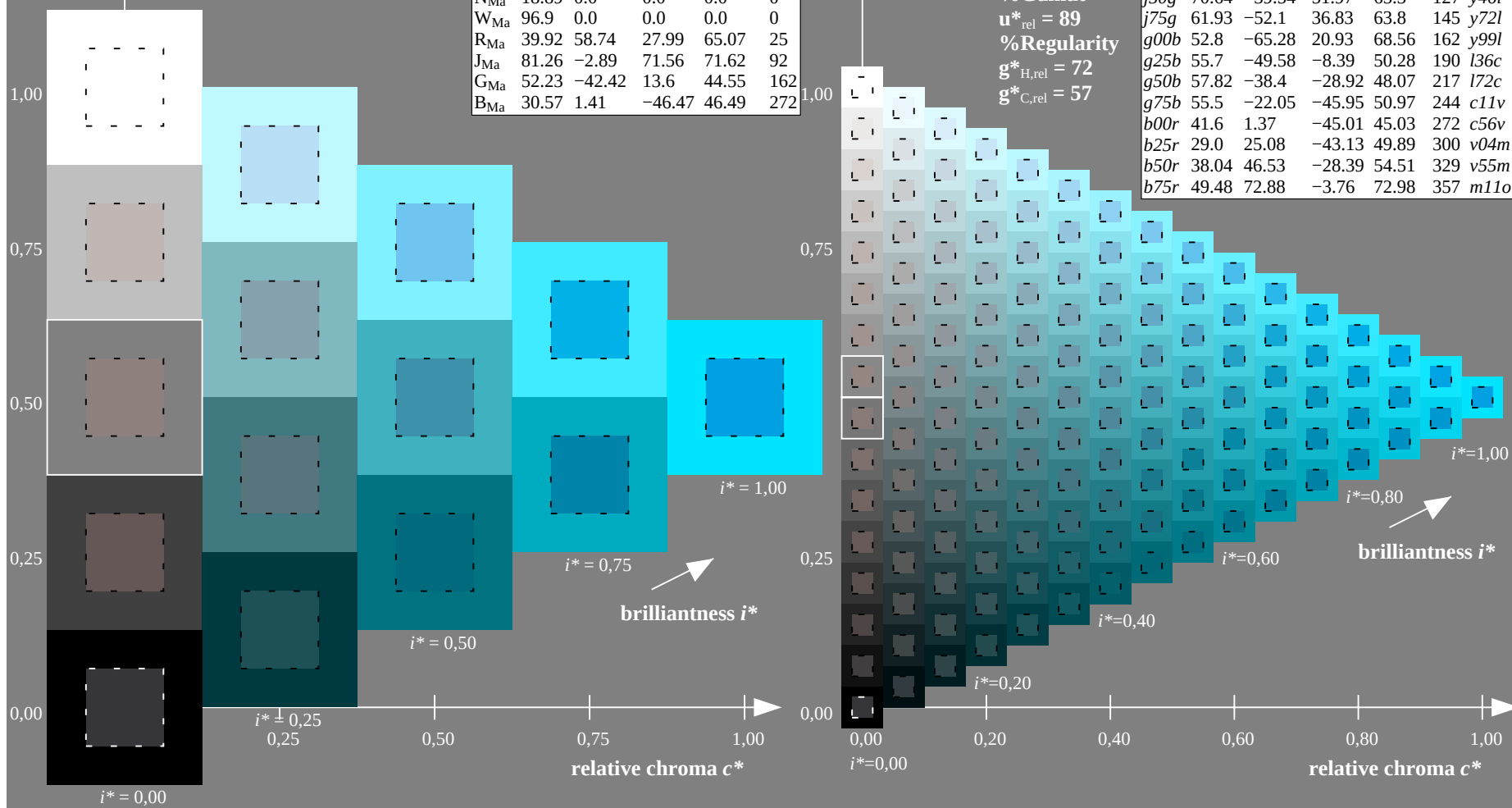
%Regularity

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

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

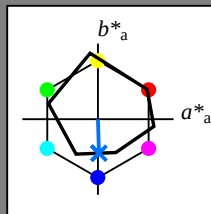
ORS19_96a; adapted (a) CIELAB data

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.755$
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

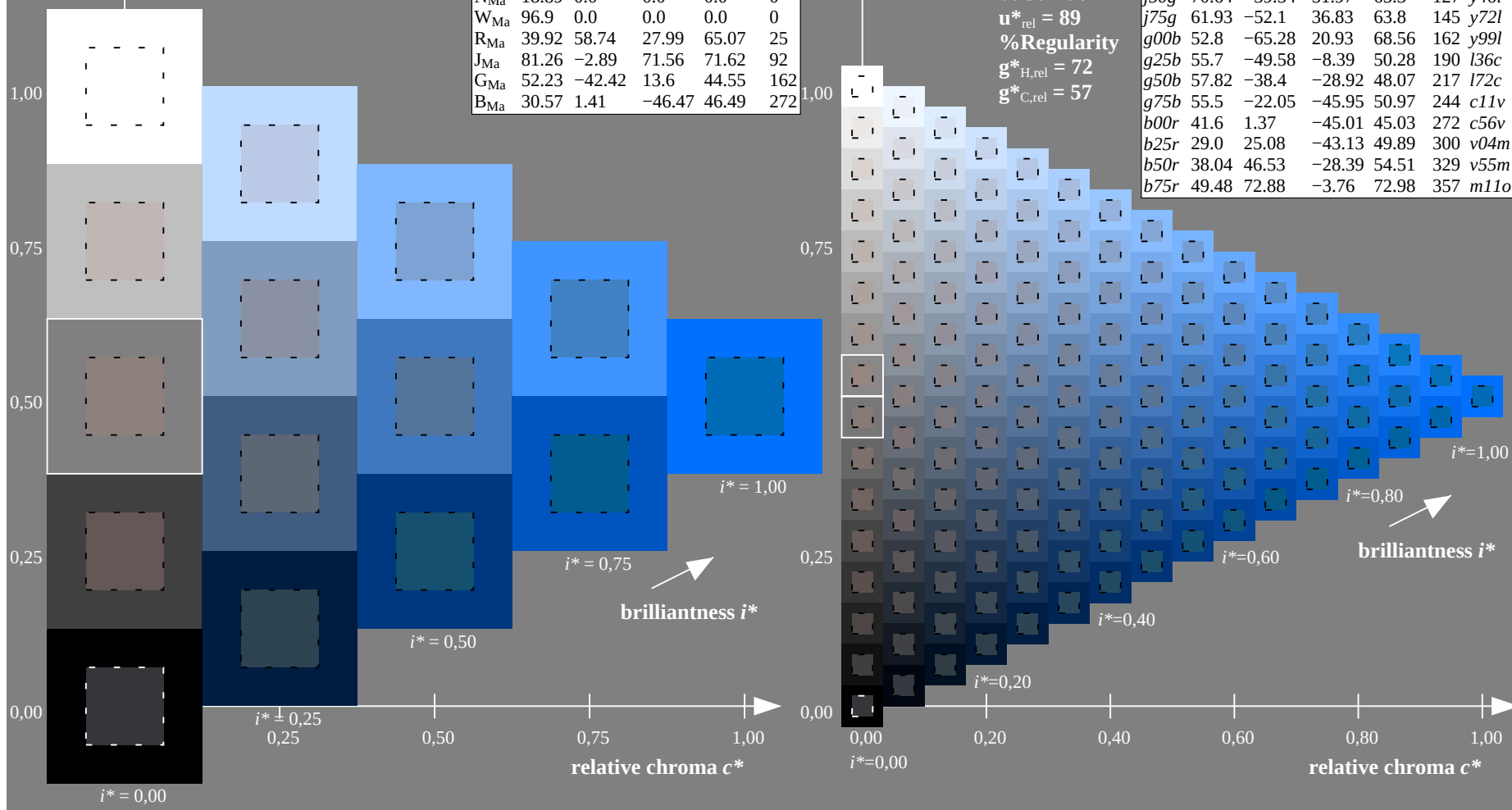
Data for maximum colour (Ma):

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

$u^*_e = b00r$



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^*

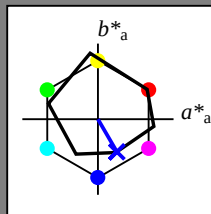
Hue texts:

$u^*_e = b25r$ $u^*_d = v04m$

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

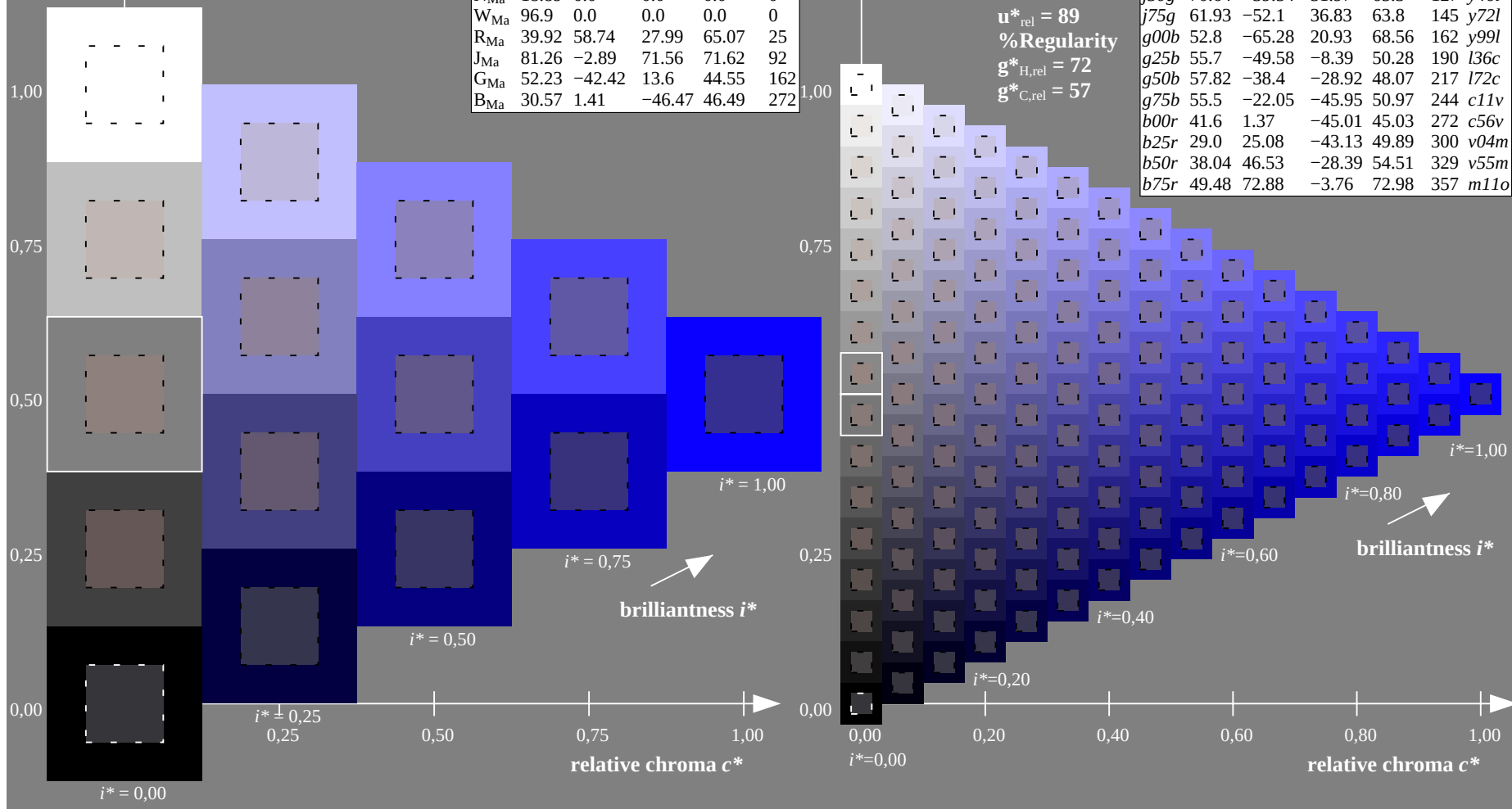
$g^*_{H,rel} = 72$

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

ORS19_96a; adapted (a) CIELAB data

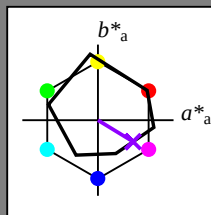
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	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

$u^*_e = b25r$



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^*



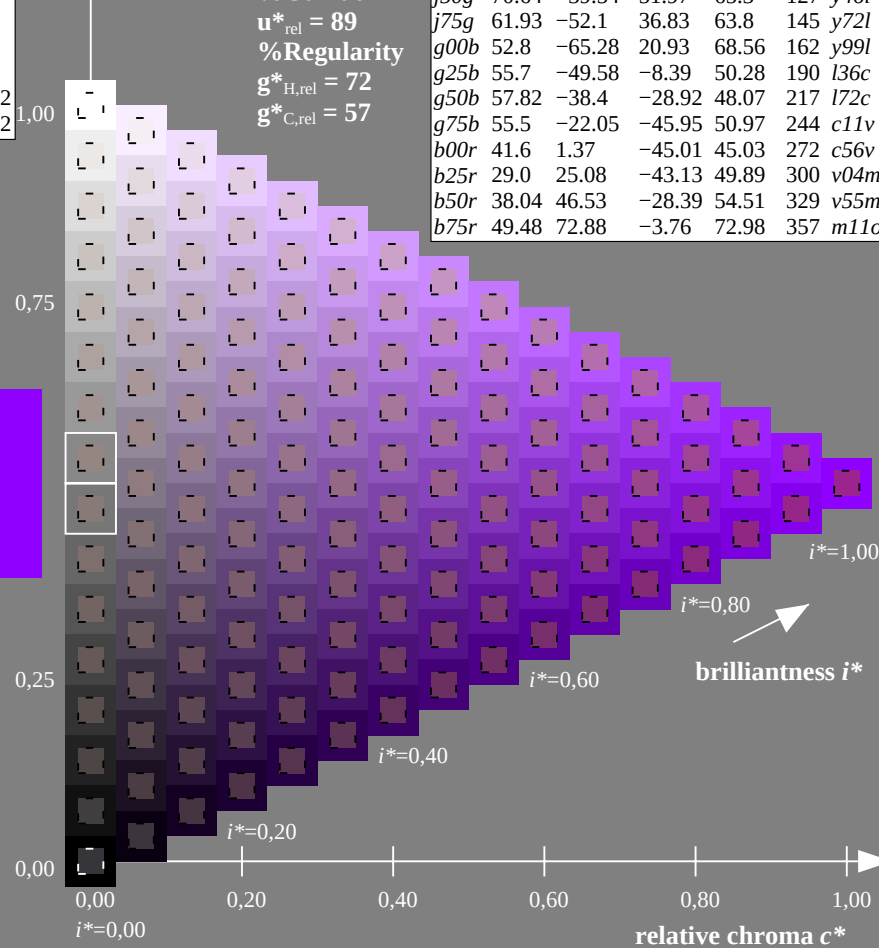
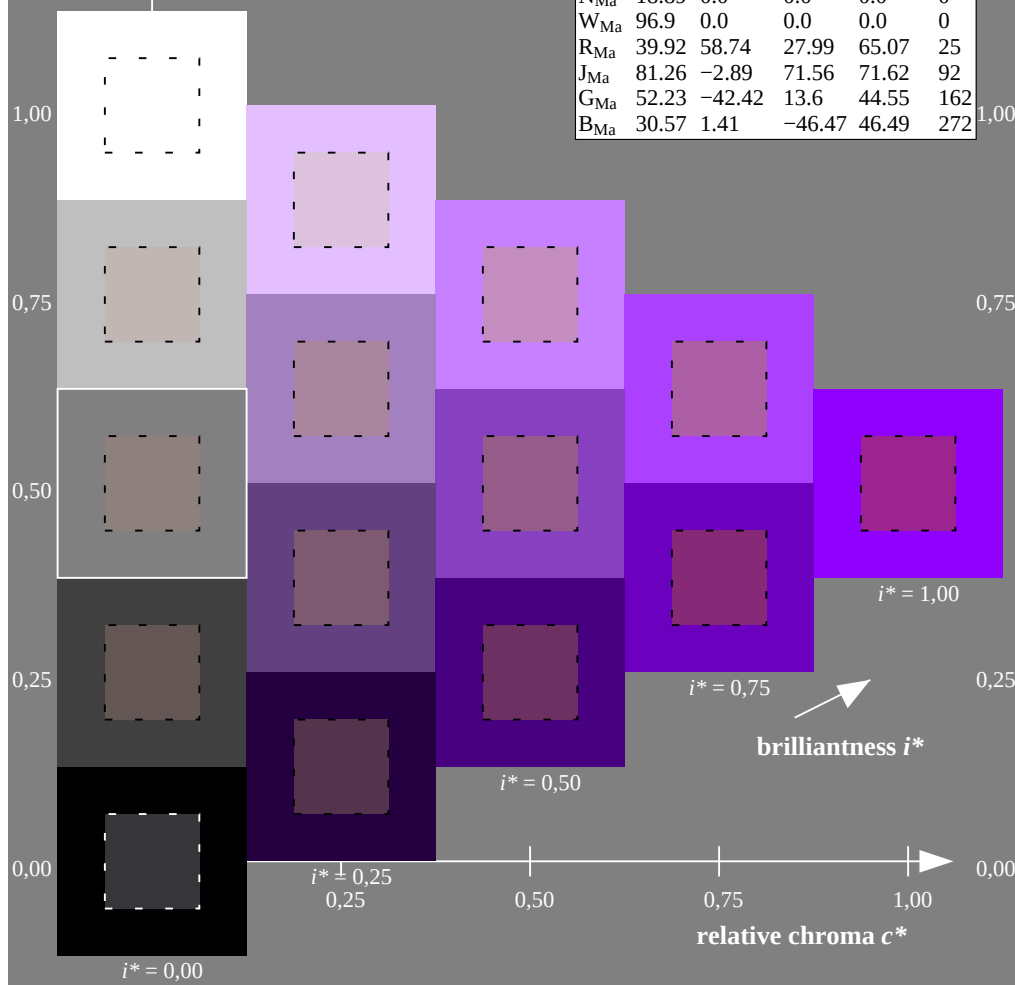
ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93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

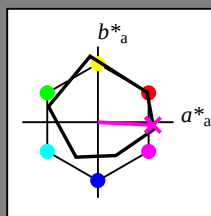
Hue texts:

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

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

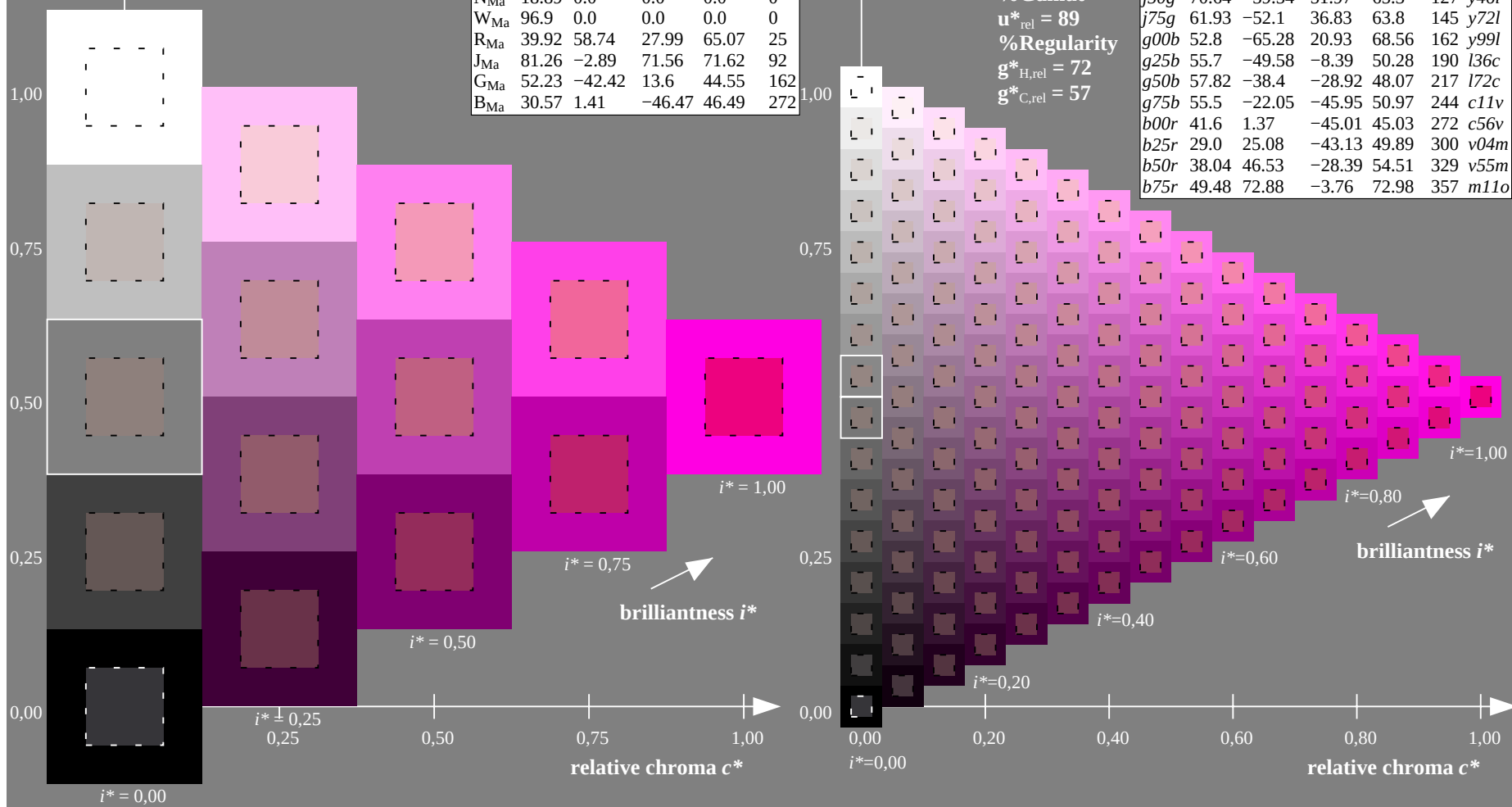
$g^*_{H,rel} = 72$

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

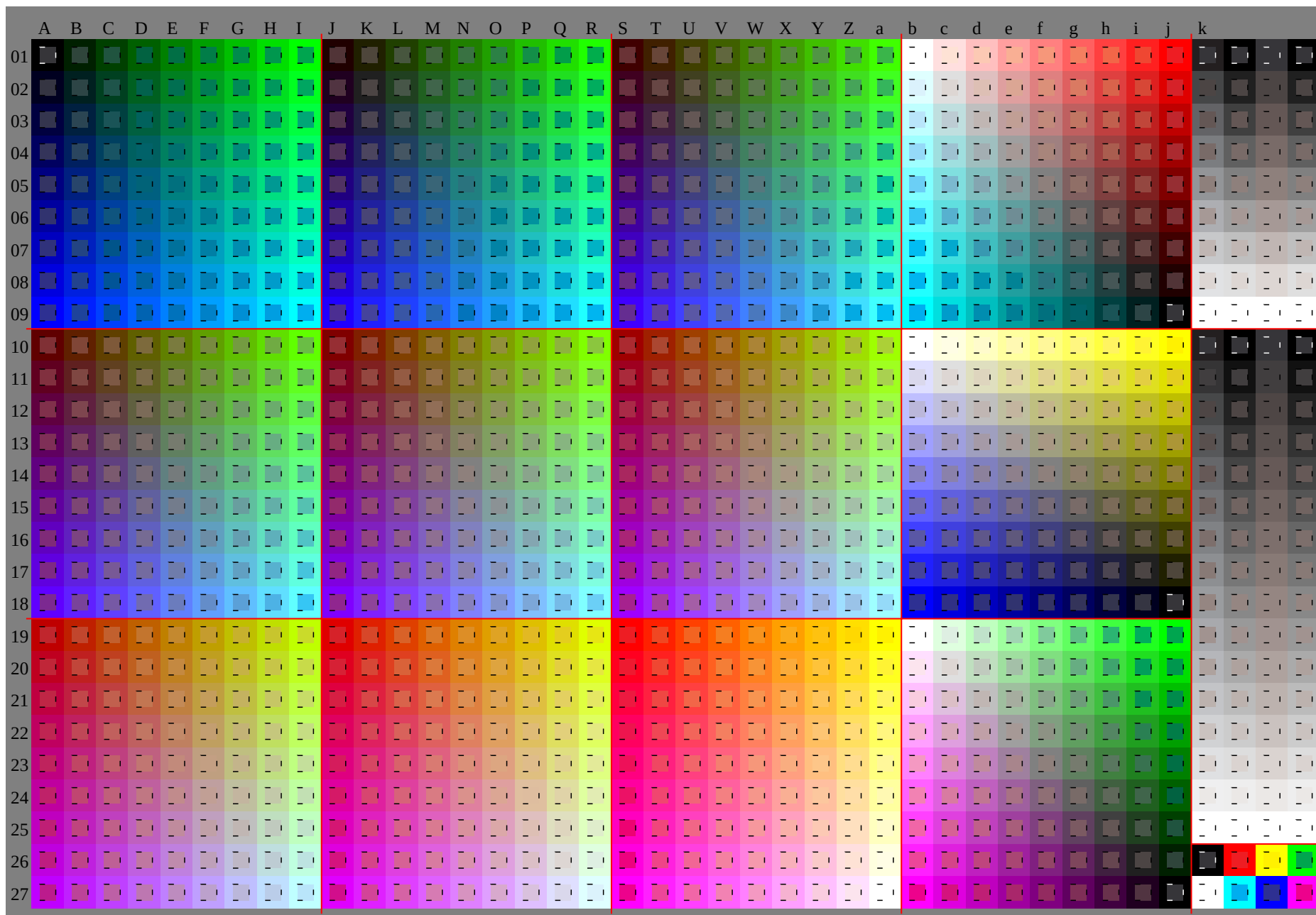
ORS19_96a; adapted (a) CIELAB data

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

$u^*_e = b75r$



See for similar files: <http://www.ps.bam.de/Ee38/>; www.ps.bam.de/Ee38/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=1



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

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

elementary hue text:

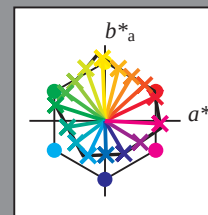
$u^*_e = 16$ hues *r00j*, *r25j*, ..., *b75r*

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

$u^*_{rel} = 89$

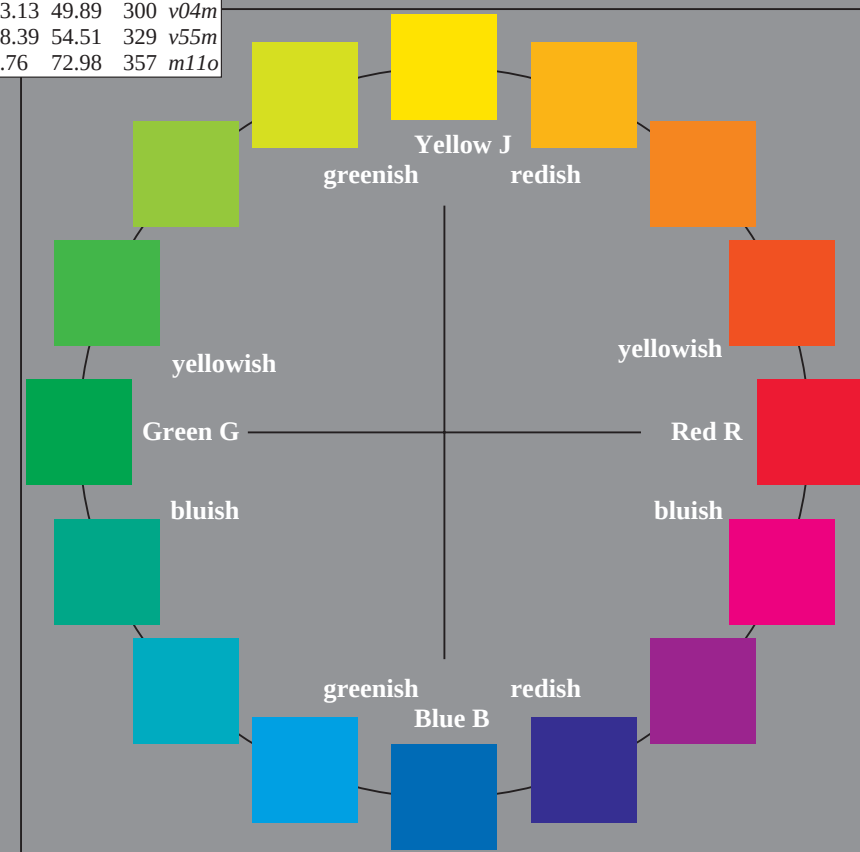
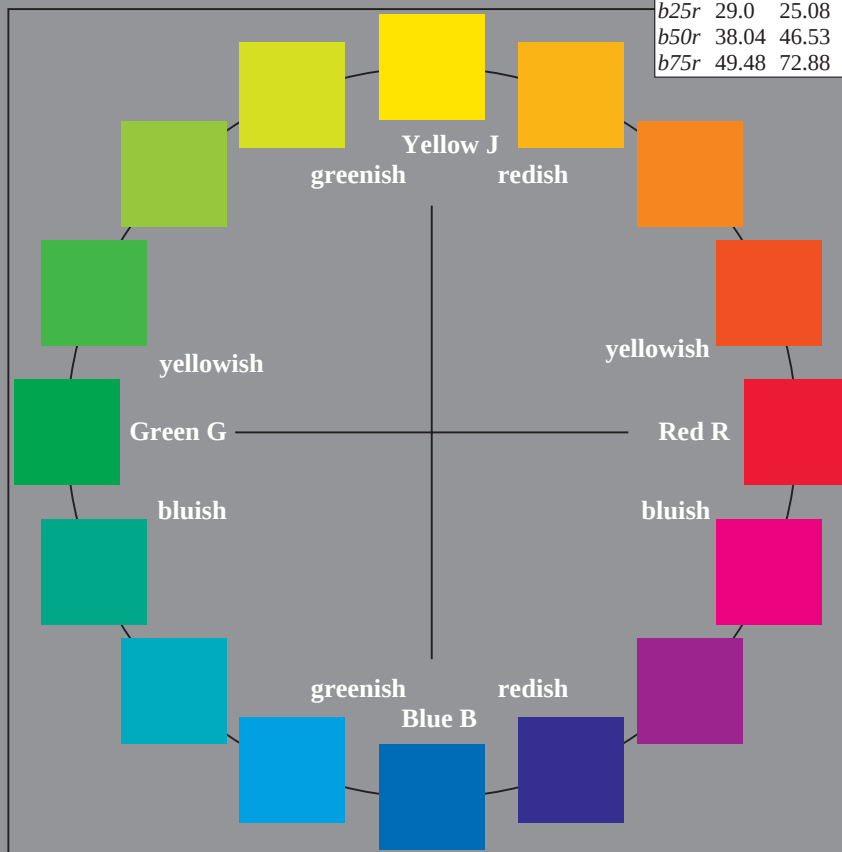
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

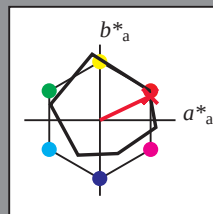
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
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

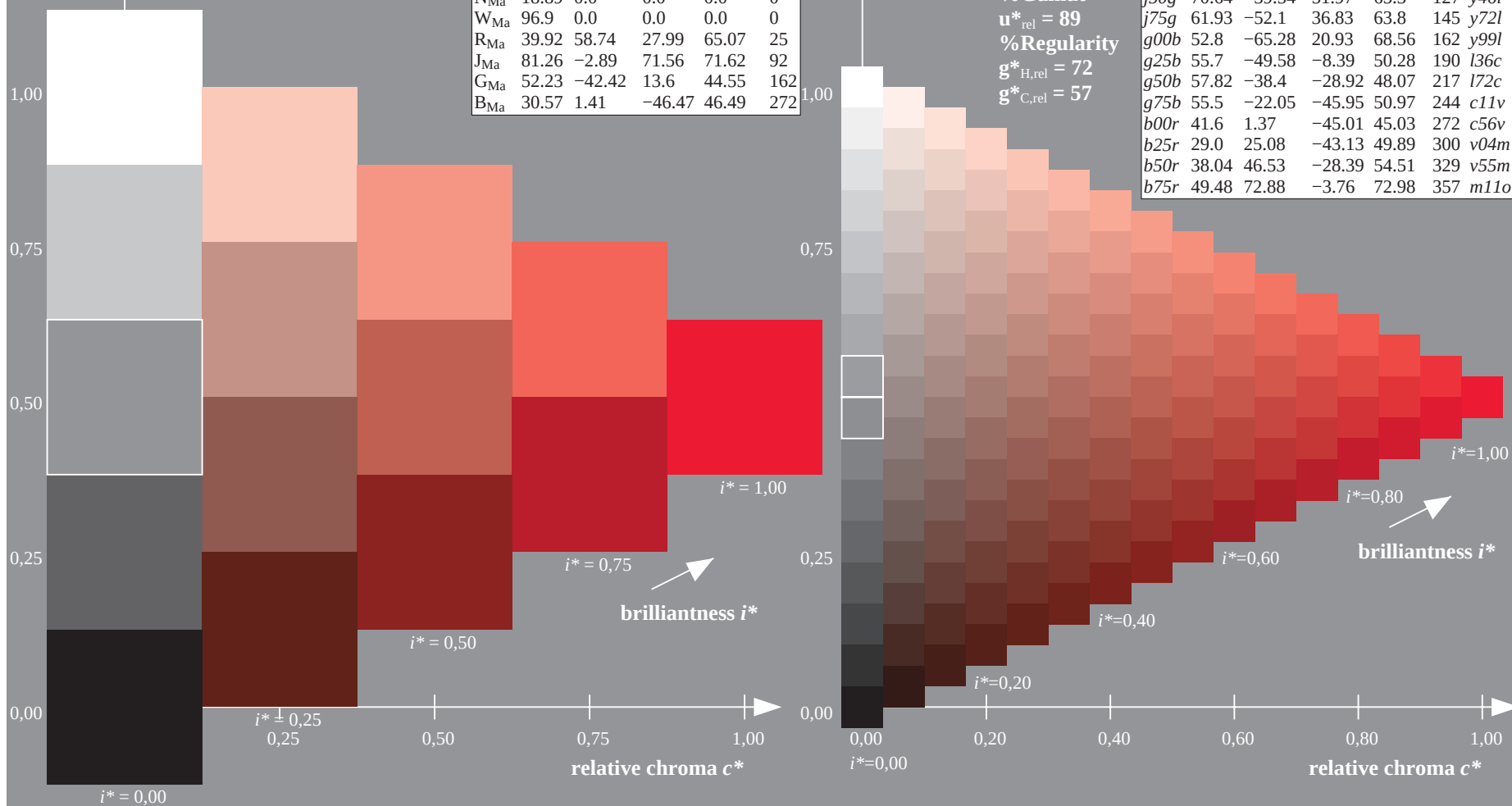
$u^*_{rel} = 89$

% Regularity

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

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

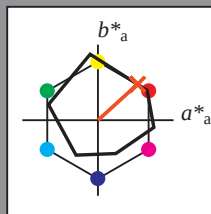
ORS19_96a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	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

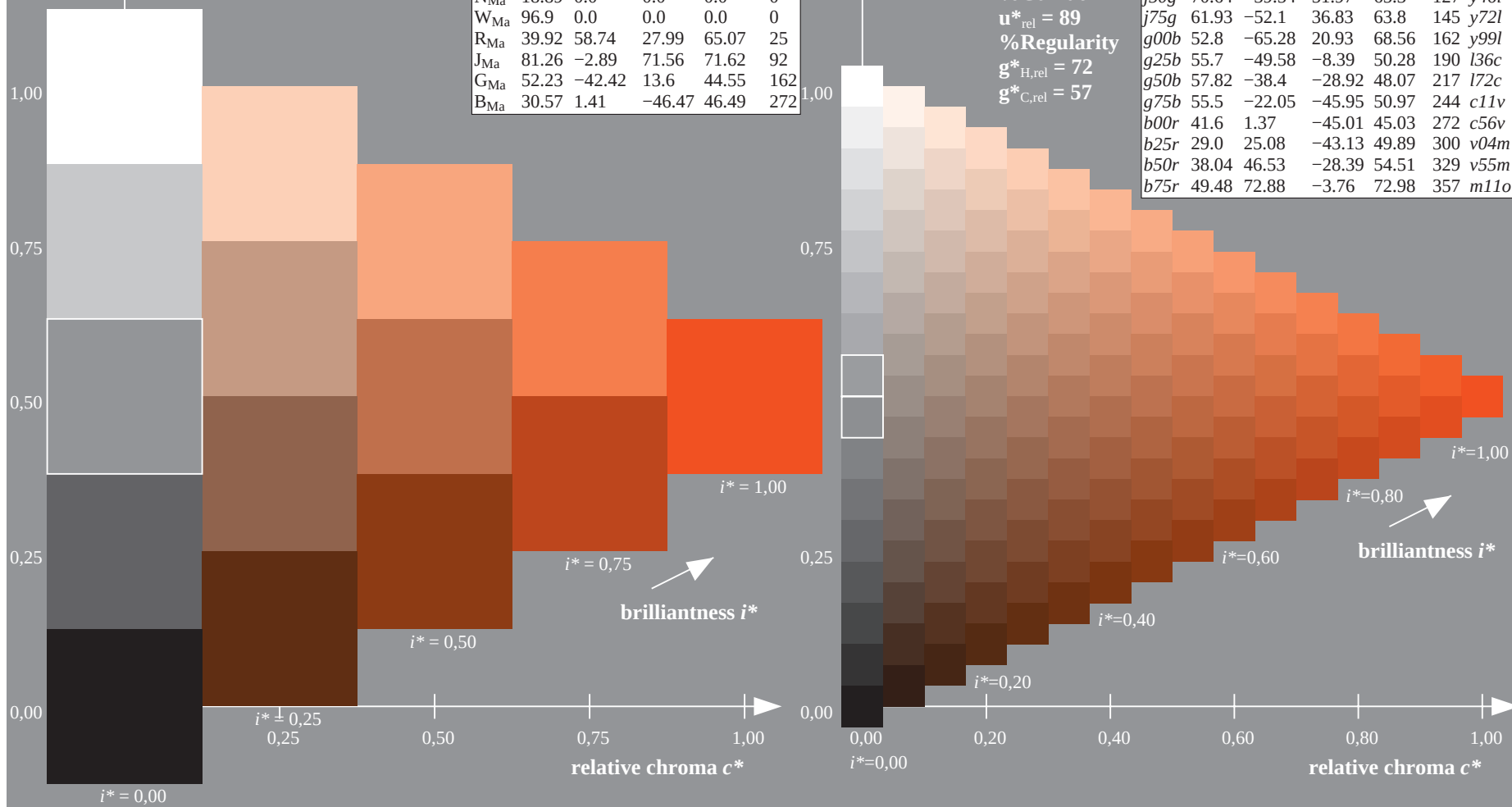
$u^*_{rel} = 89$

% Regularity

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

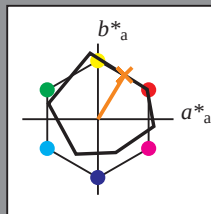
$g^*_{C,rel} = 57$

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

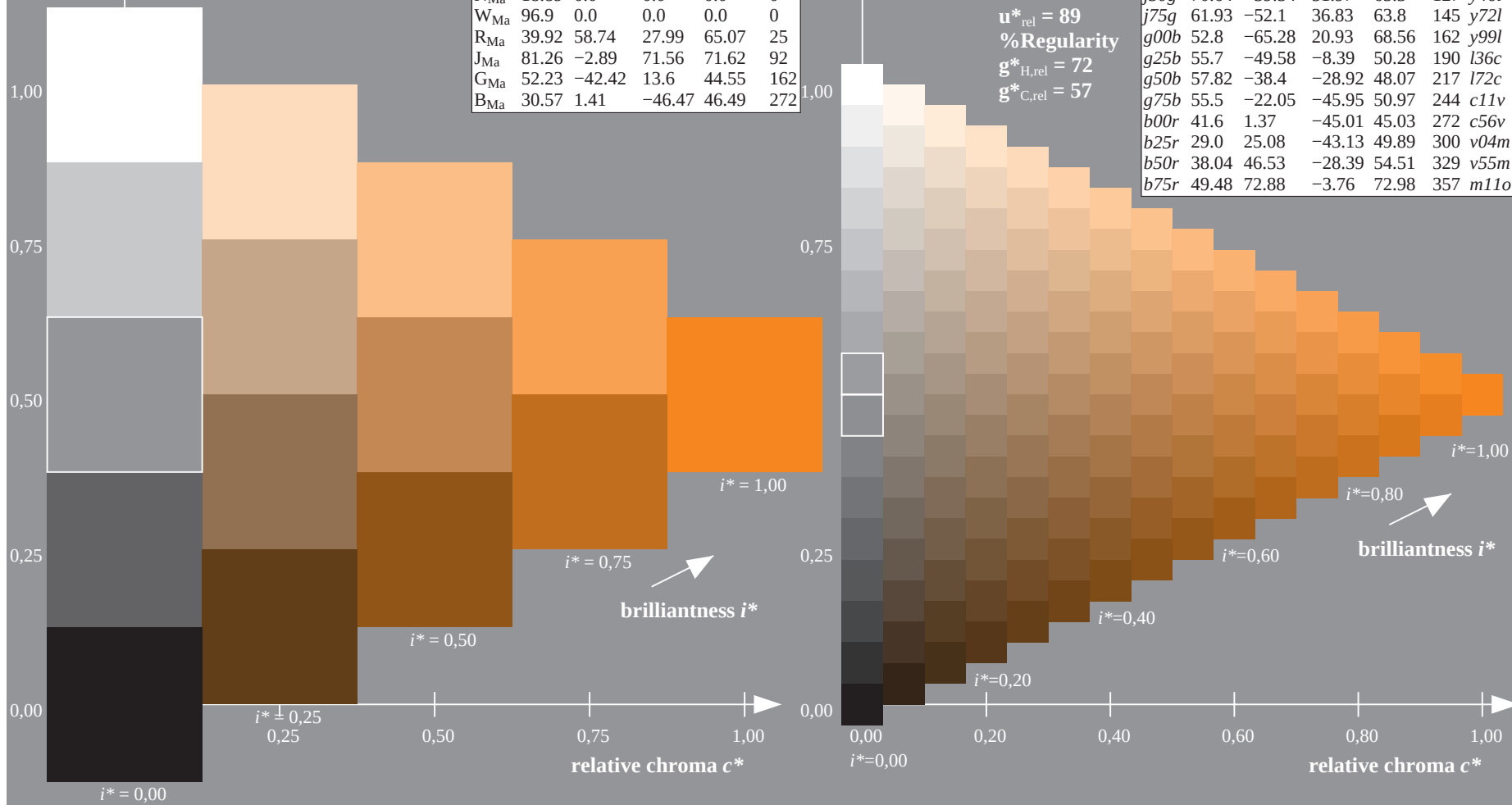
$u_{rel}^* = 89$

%Regularity

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

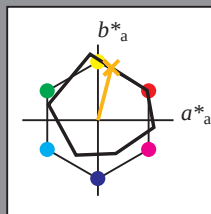
$g_{C,rel}^* = 57$

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

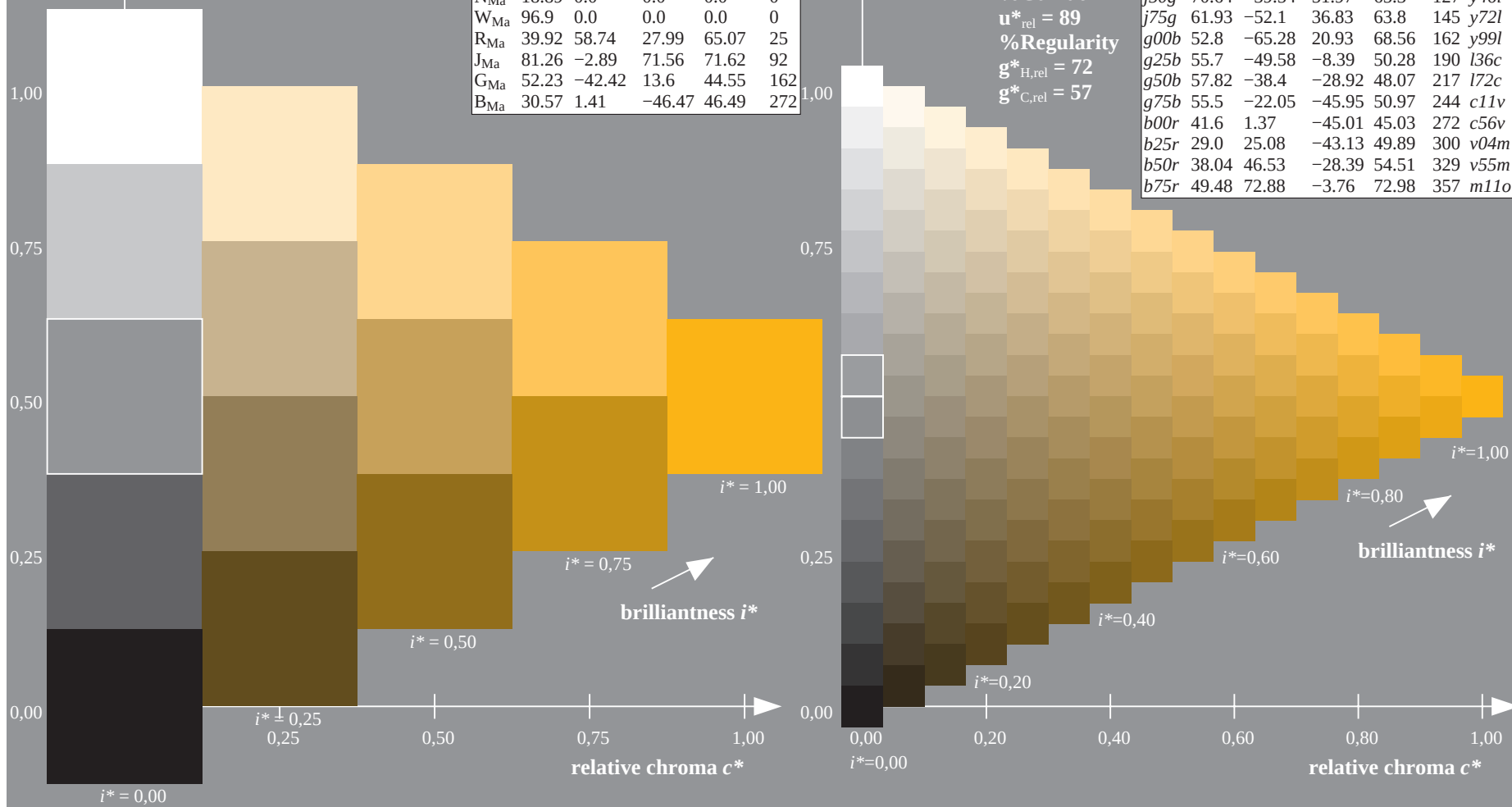
$u^*_{rel} = 89$

%Regularity

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

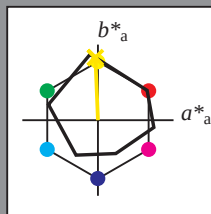
$g^*_{C,rel} = 57$

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

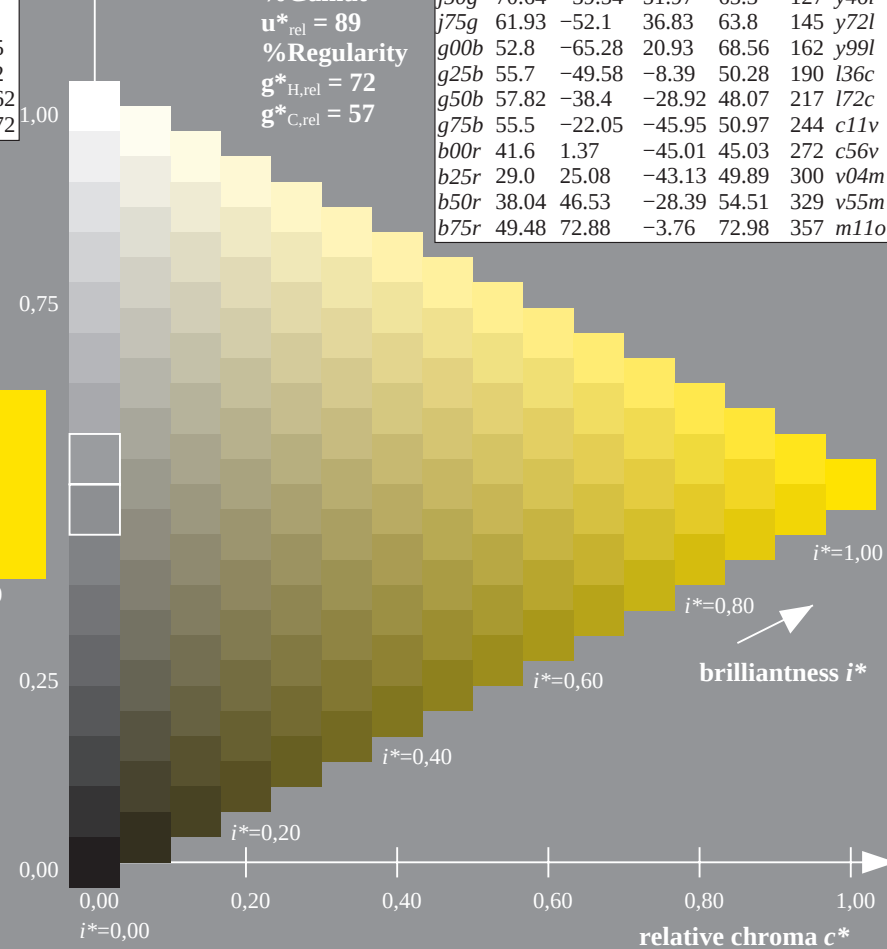
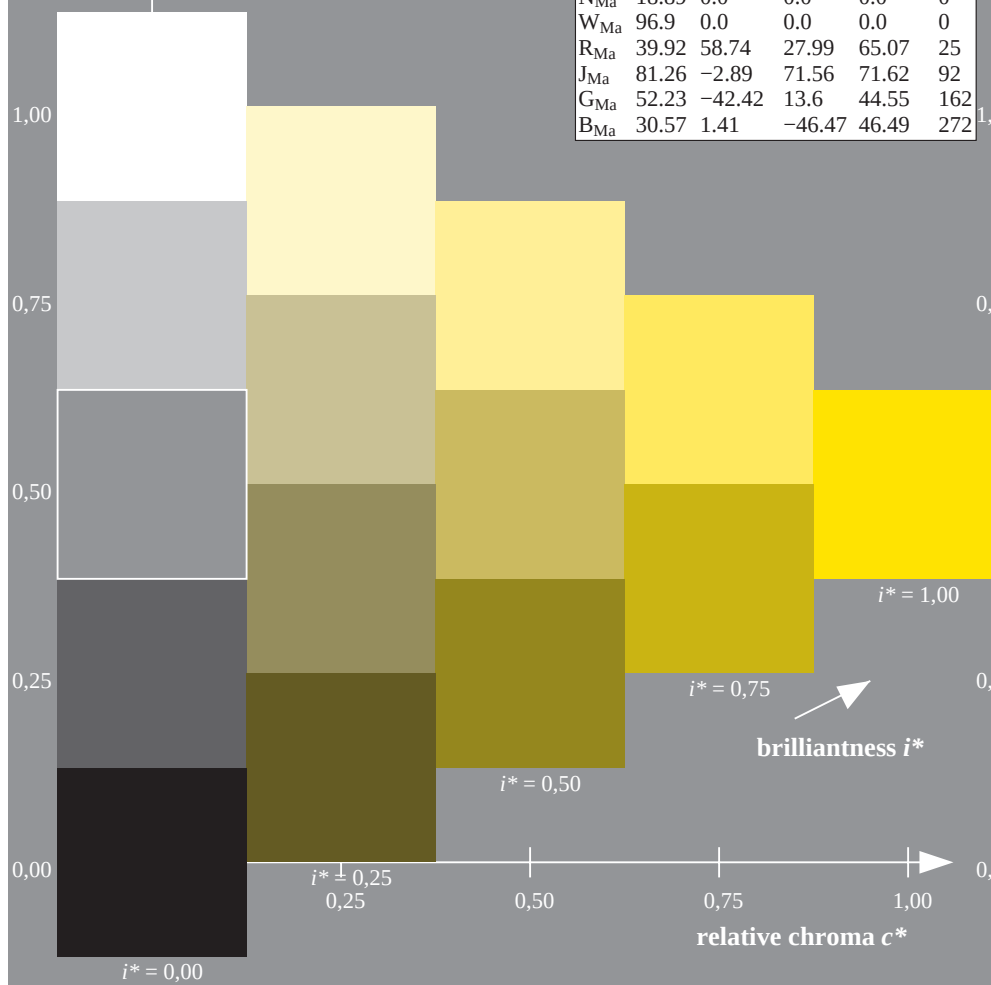
$u^*_{rel} = 89$

%Regularity

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

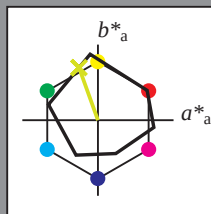
$g^*_{C,rel} = 57$

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 $h^* = lab^*h^* = h_{ab}/360 = 0.305$
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

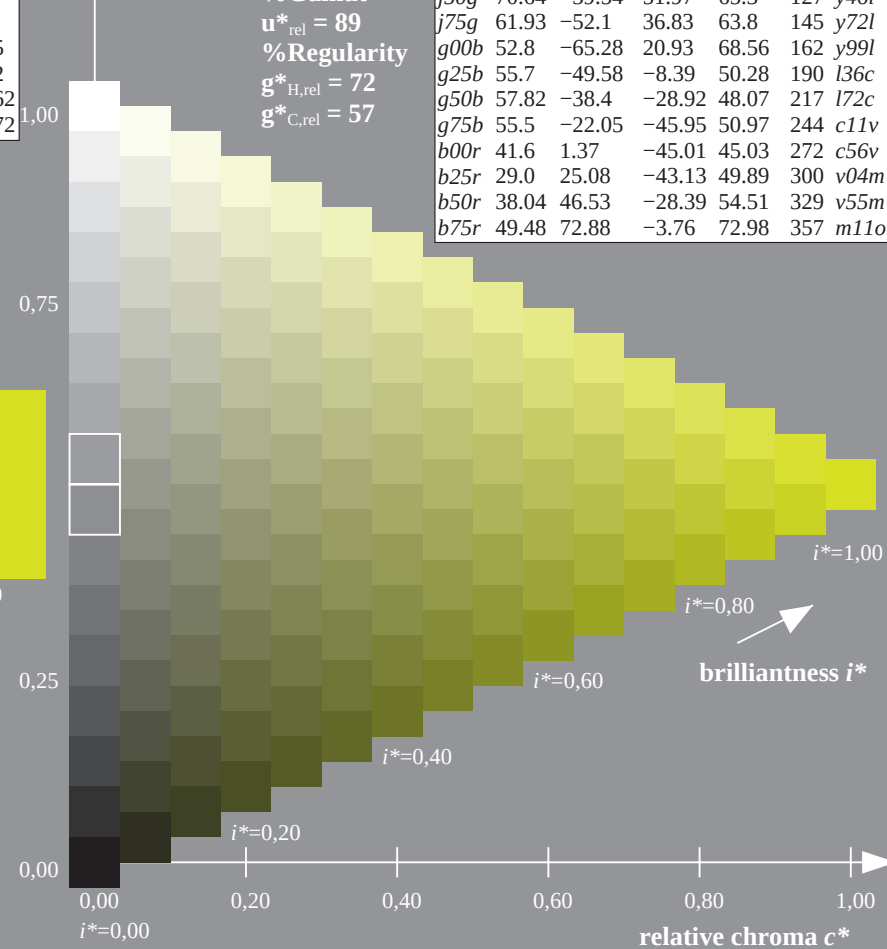
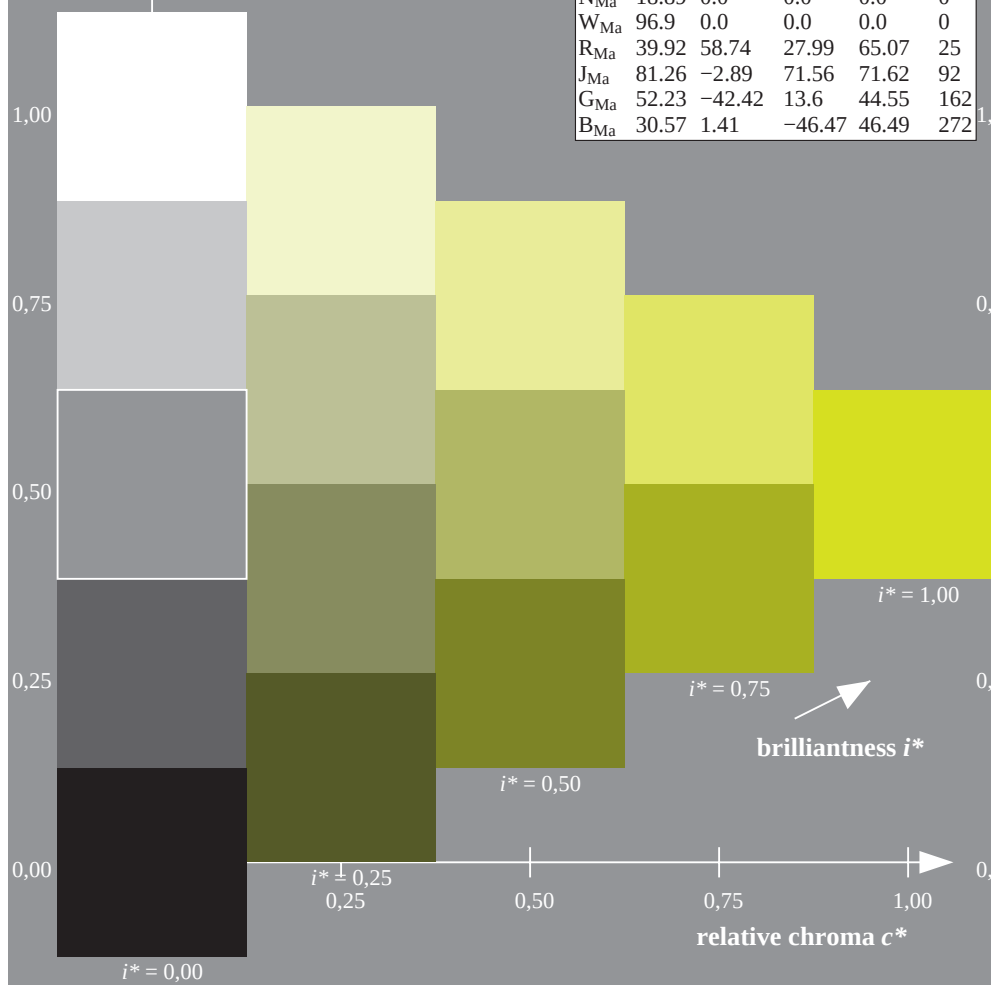
$u^*_{rel} = 89$

%Regularity

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

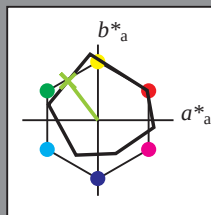
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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 $h^* = lab^*h^* = h_{ab}/360 = 0.354$
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

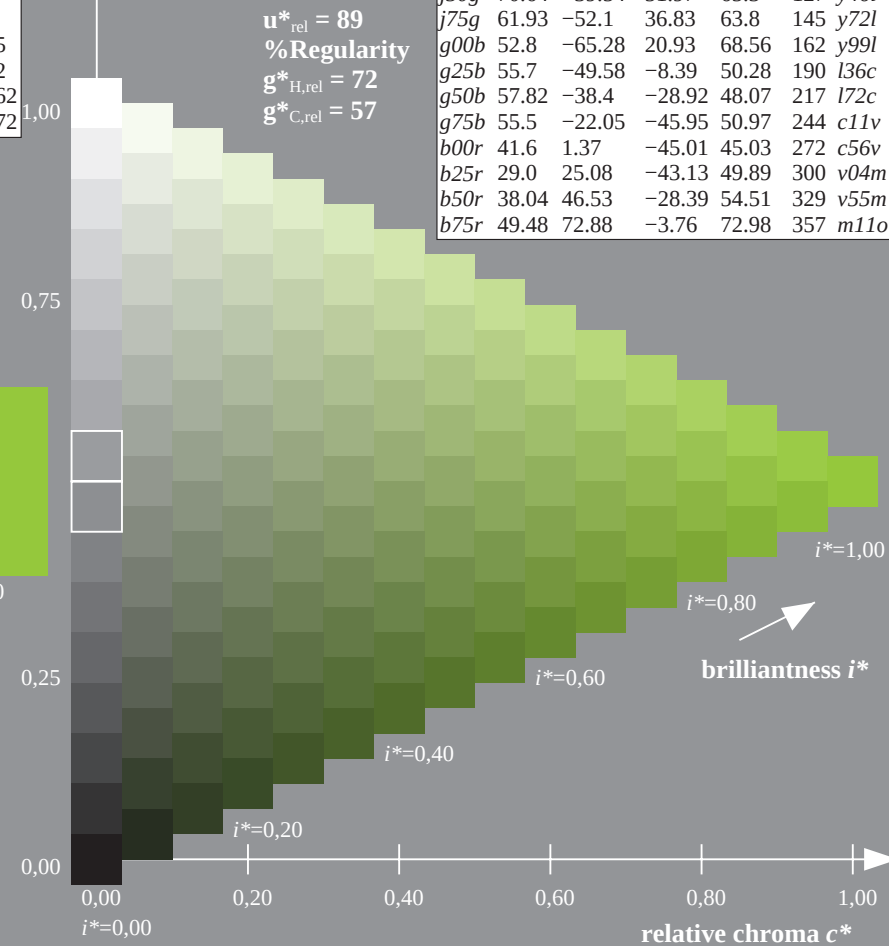
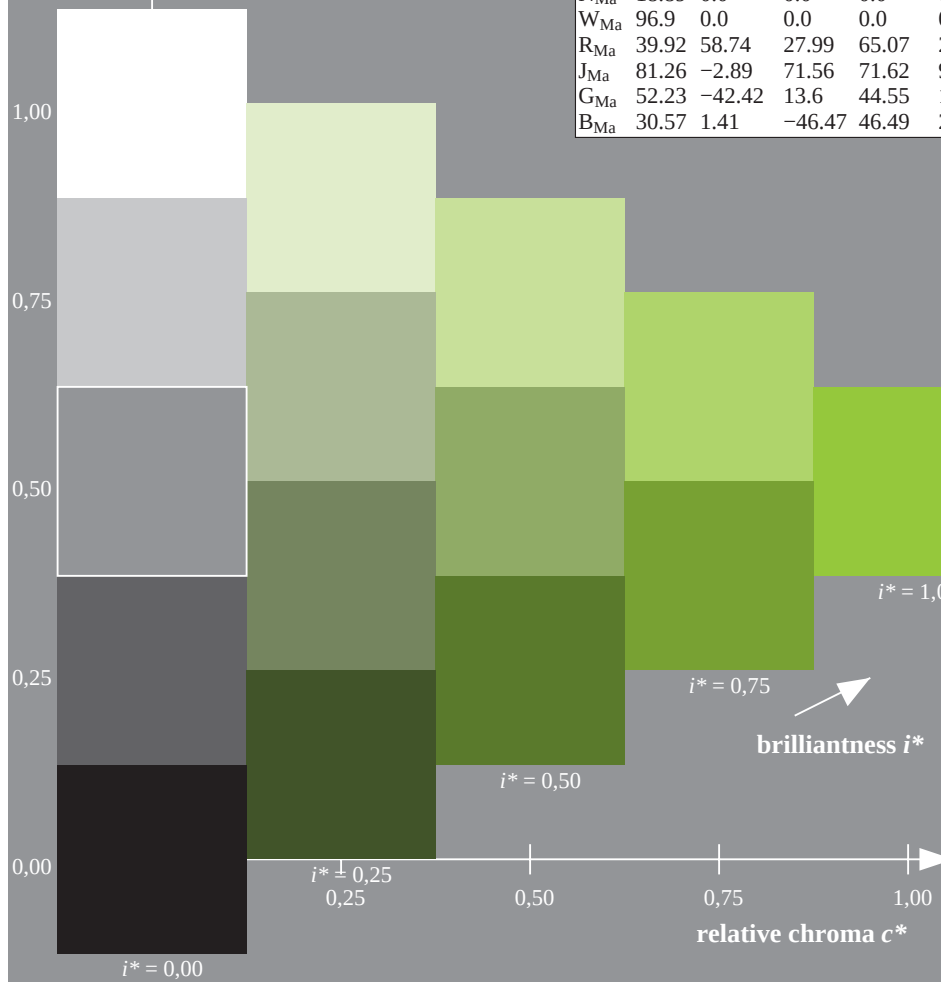
$u^*_{rel} = 89$

%Regularity

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

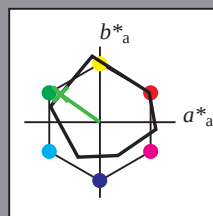
$g^*_{C,rel} = 57$

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

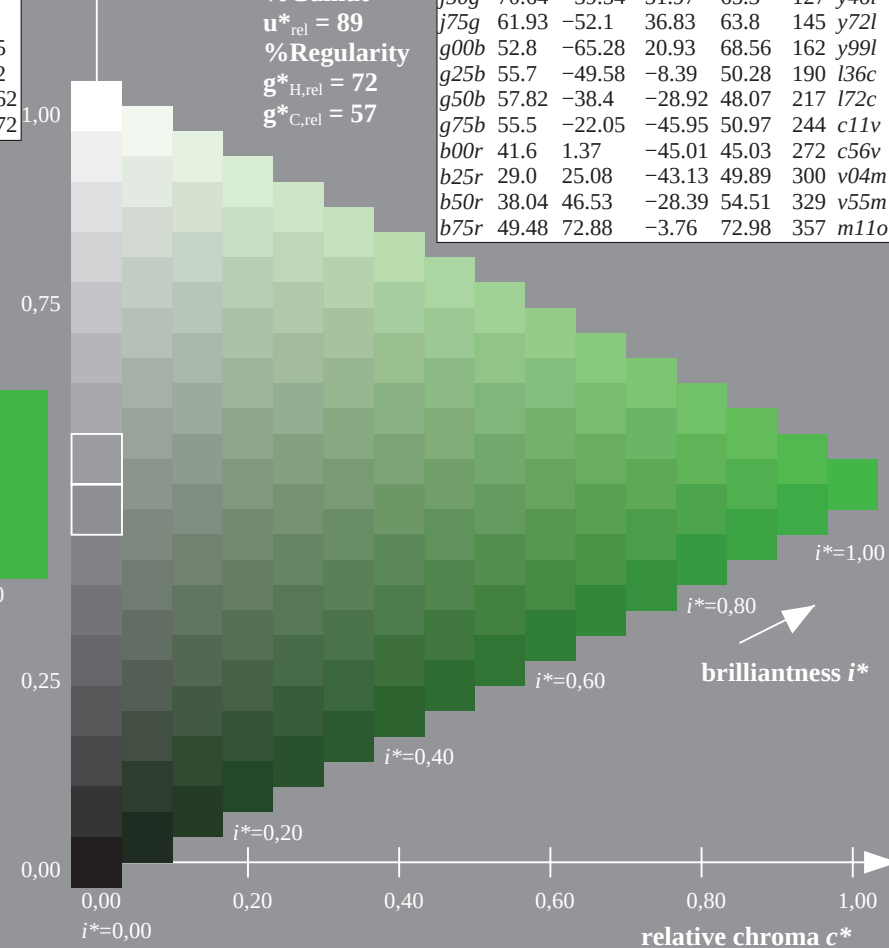
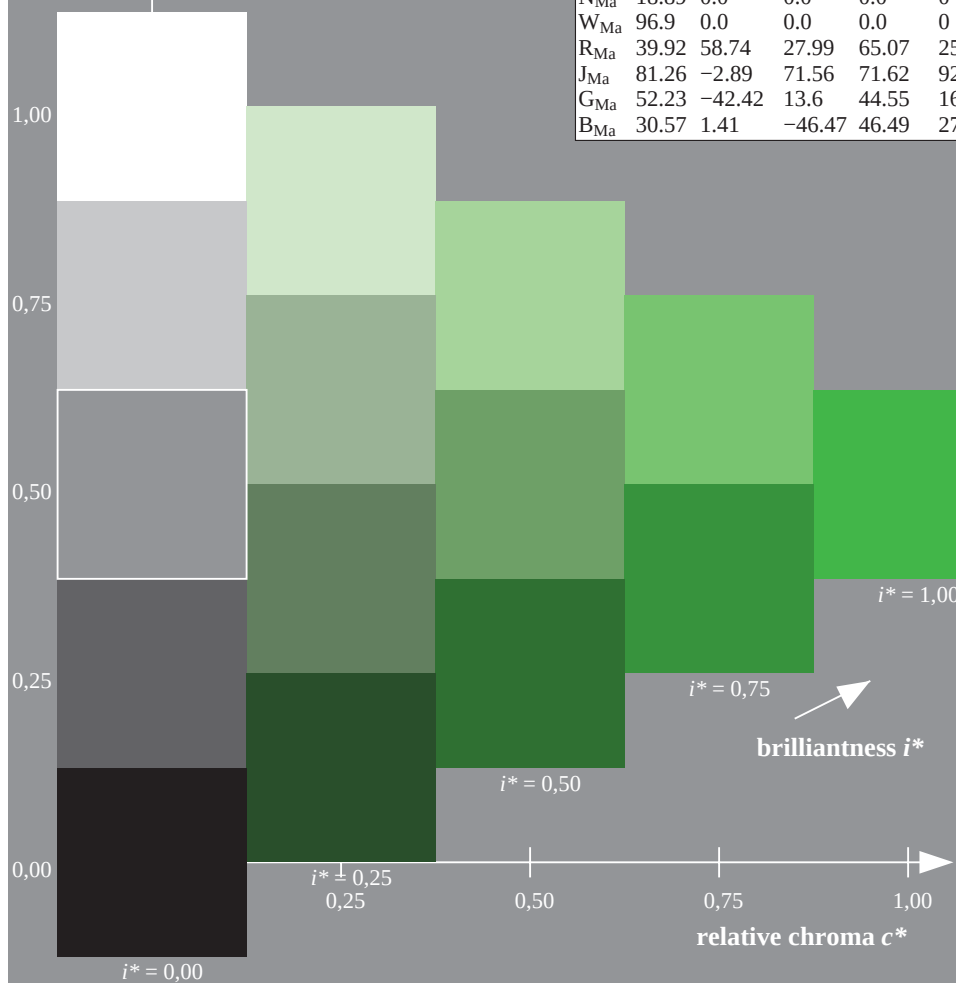
$u^*_{rel} = 89$

%Regularity

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

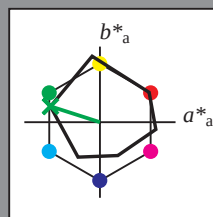
$g^*_{C,rel} = 57$

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^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	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

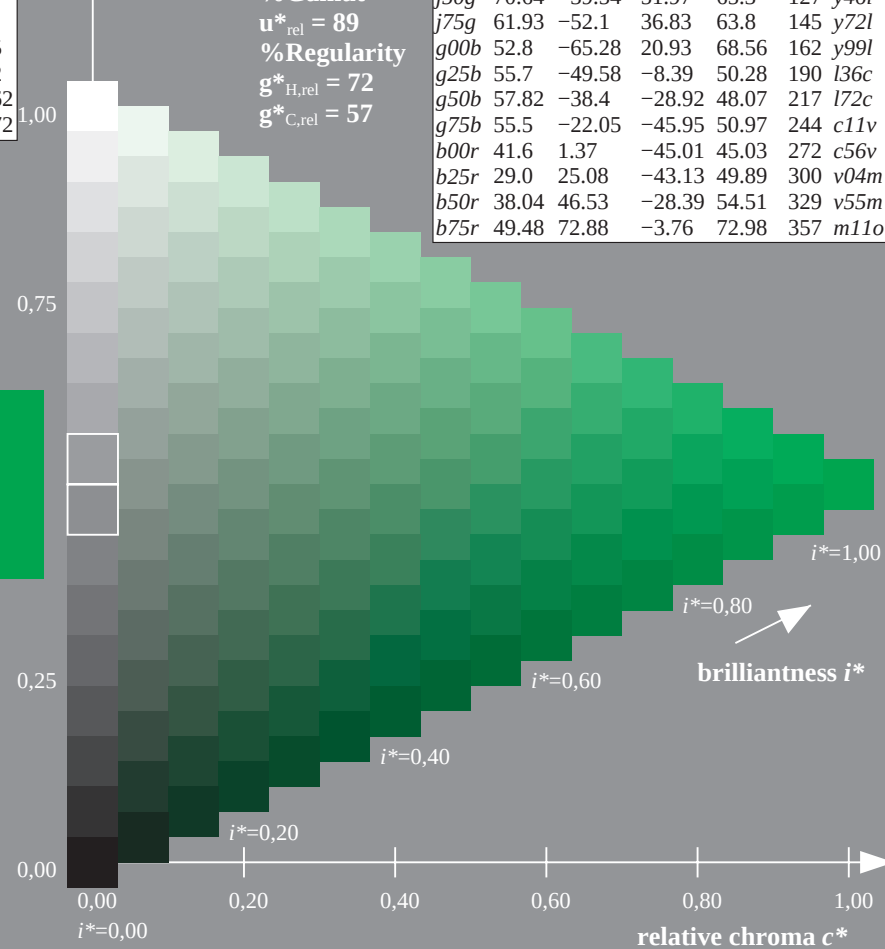
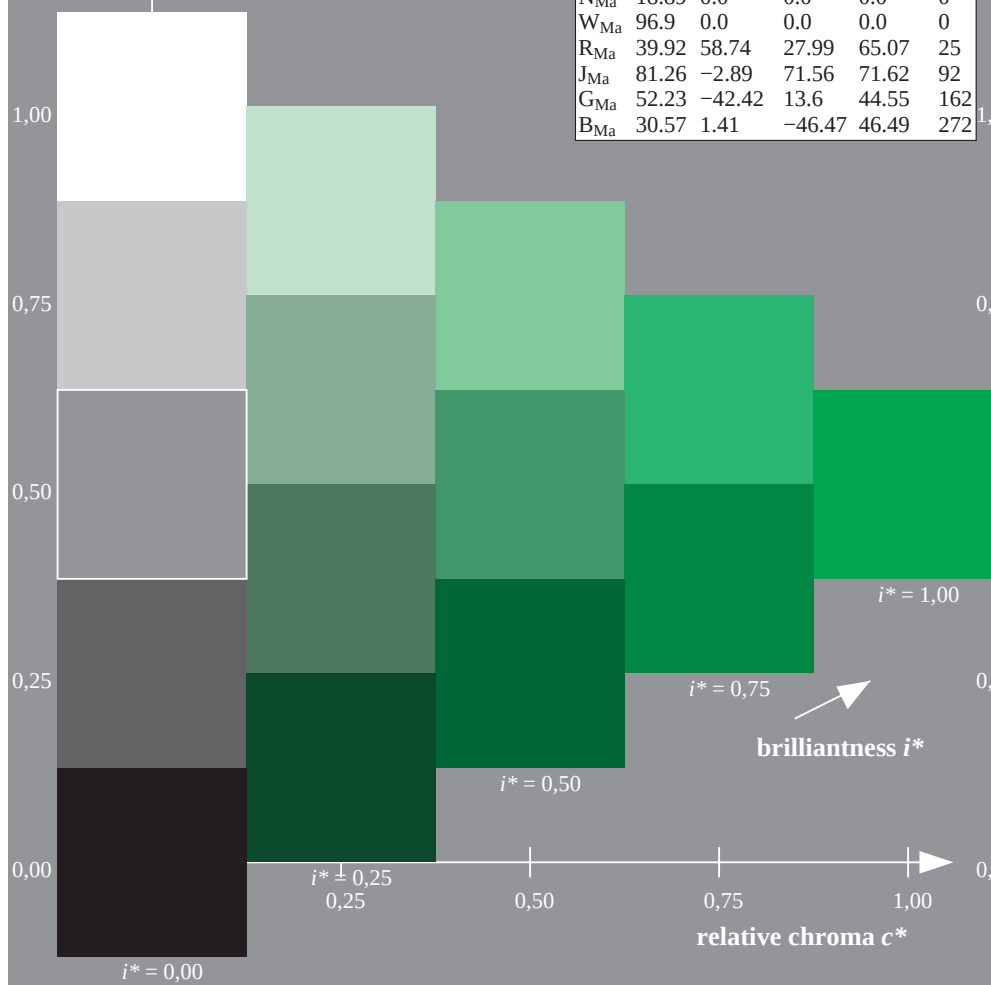
$u_{rel}^* = 89$

%Regularity

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

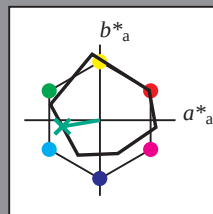
$g_{C,rel}^* = 57$

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

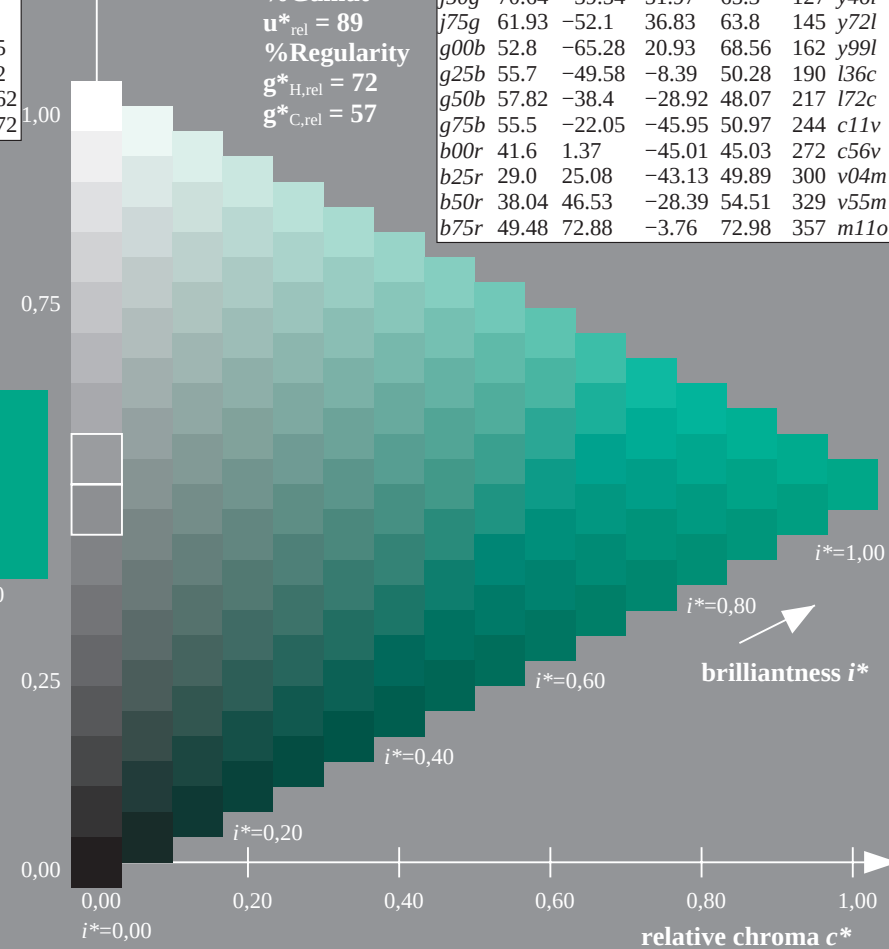
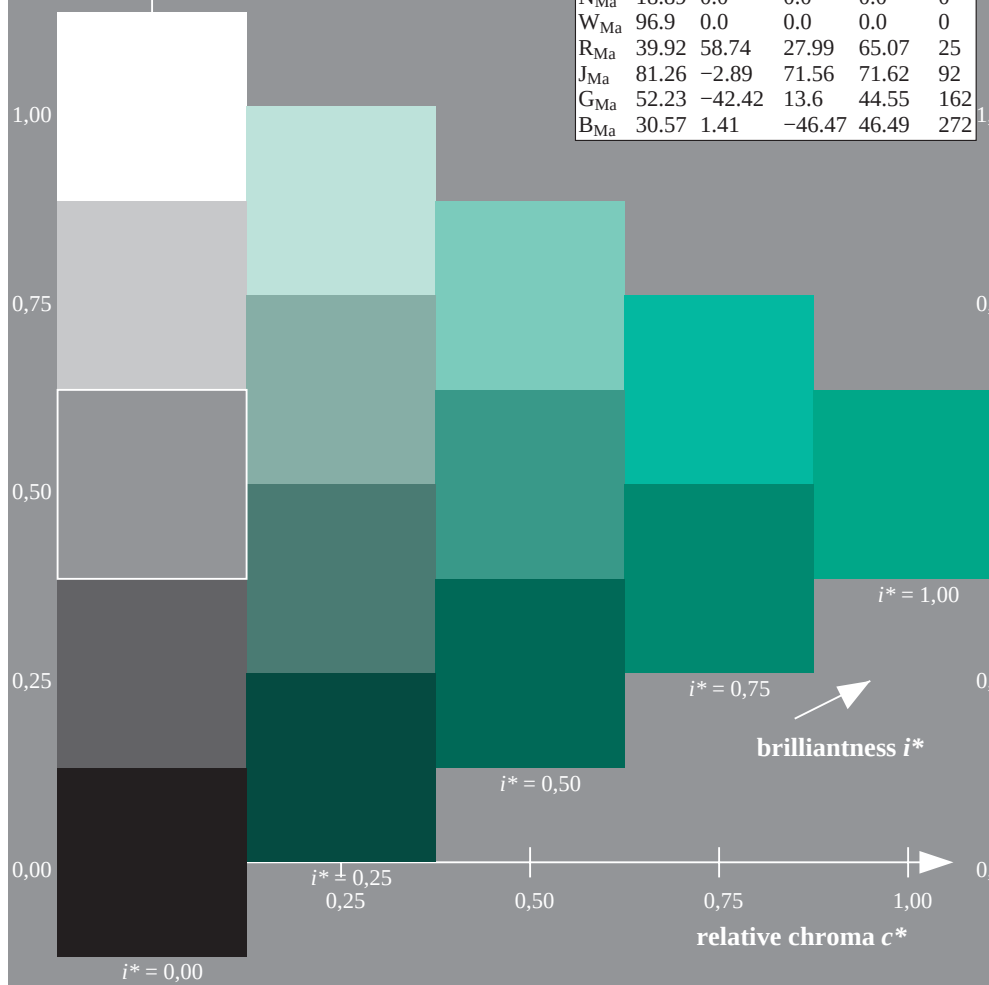
$u^*_{rel} = 89$

% Regularity

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

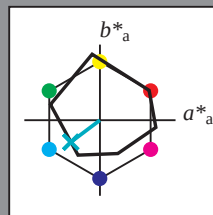
$g^*_{C,rel} = 57$

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

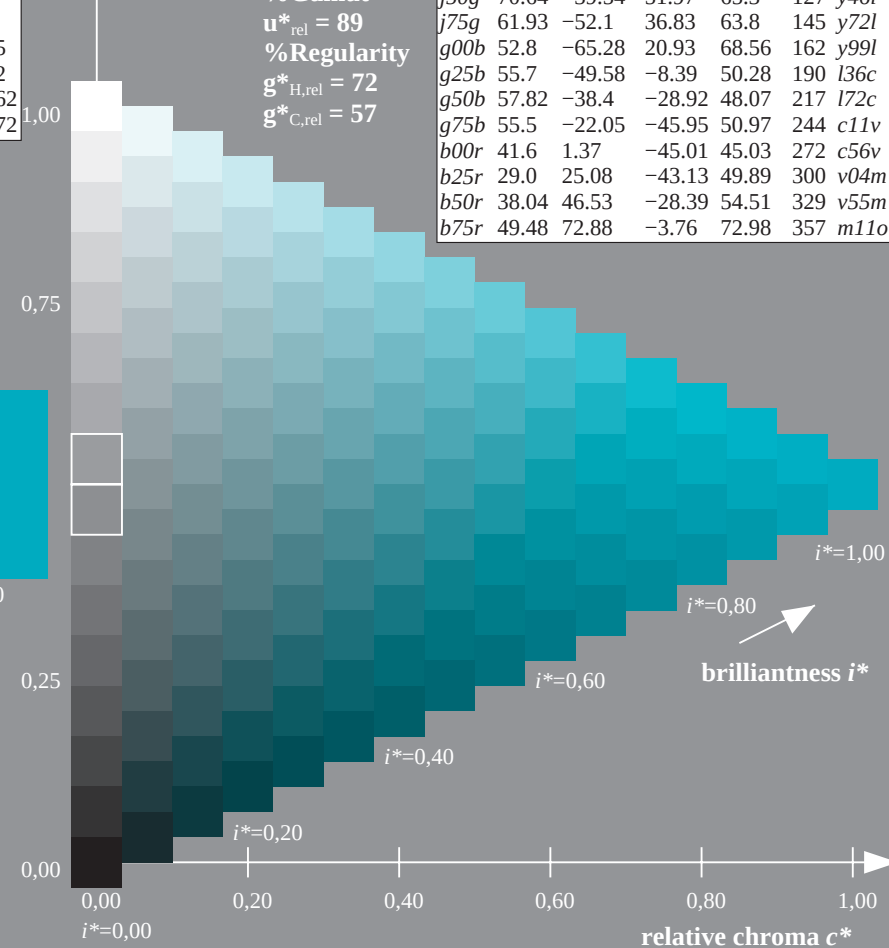
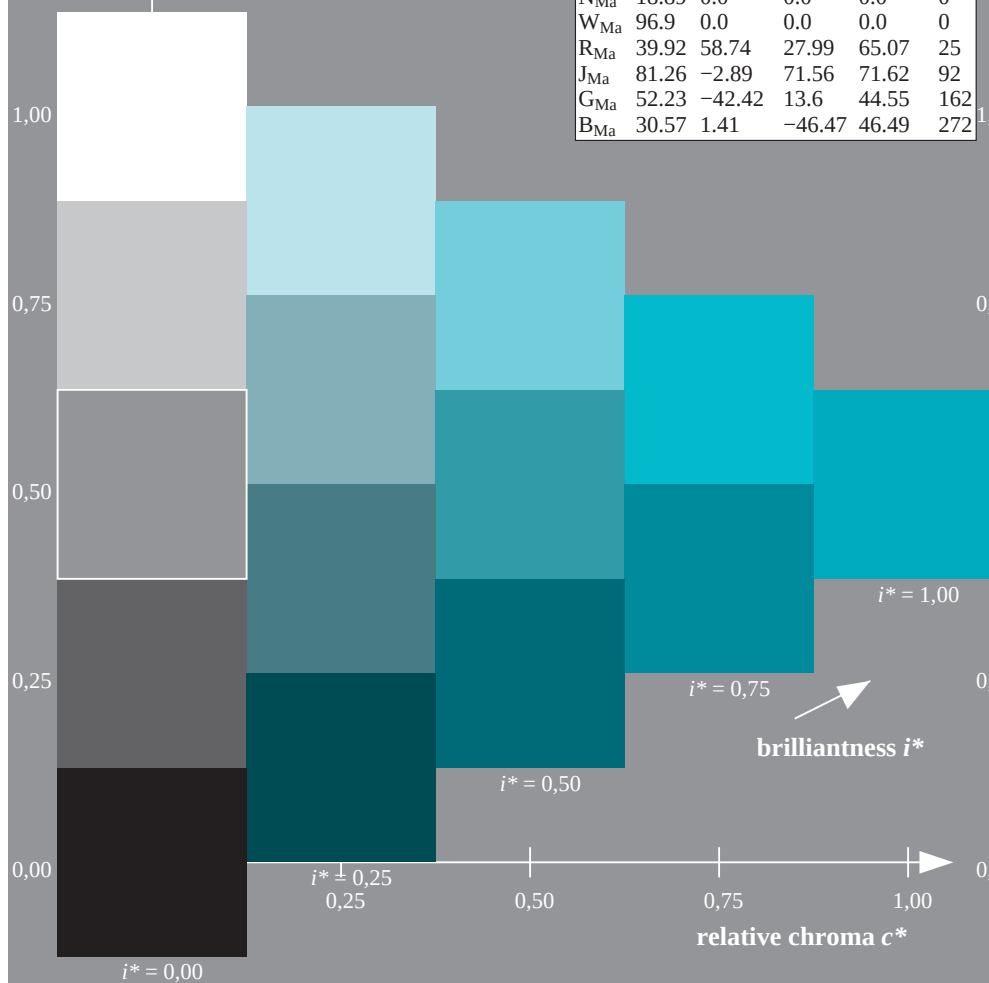
$u^*_{rel} = 89$

% Regularity

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

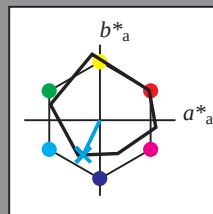
$g^*_{C,rel} = 57$

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

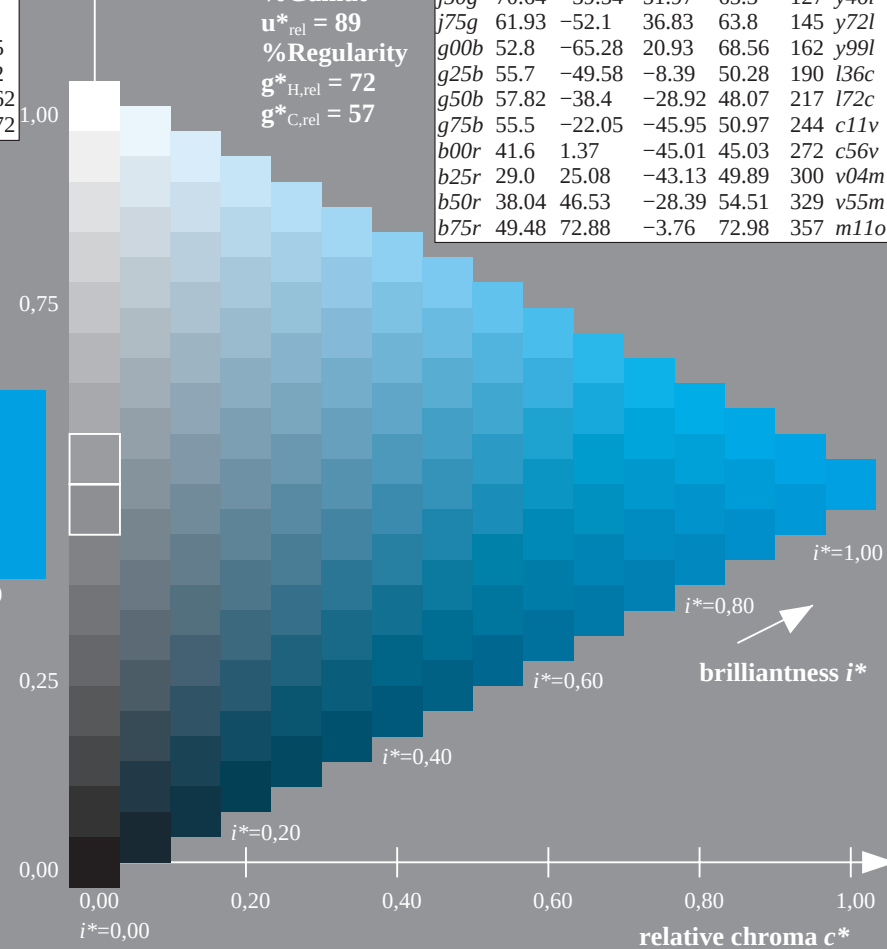
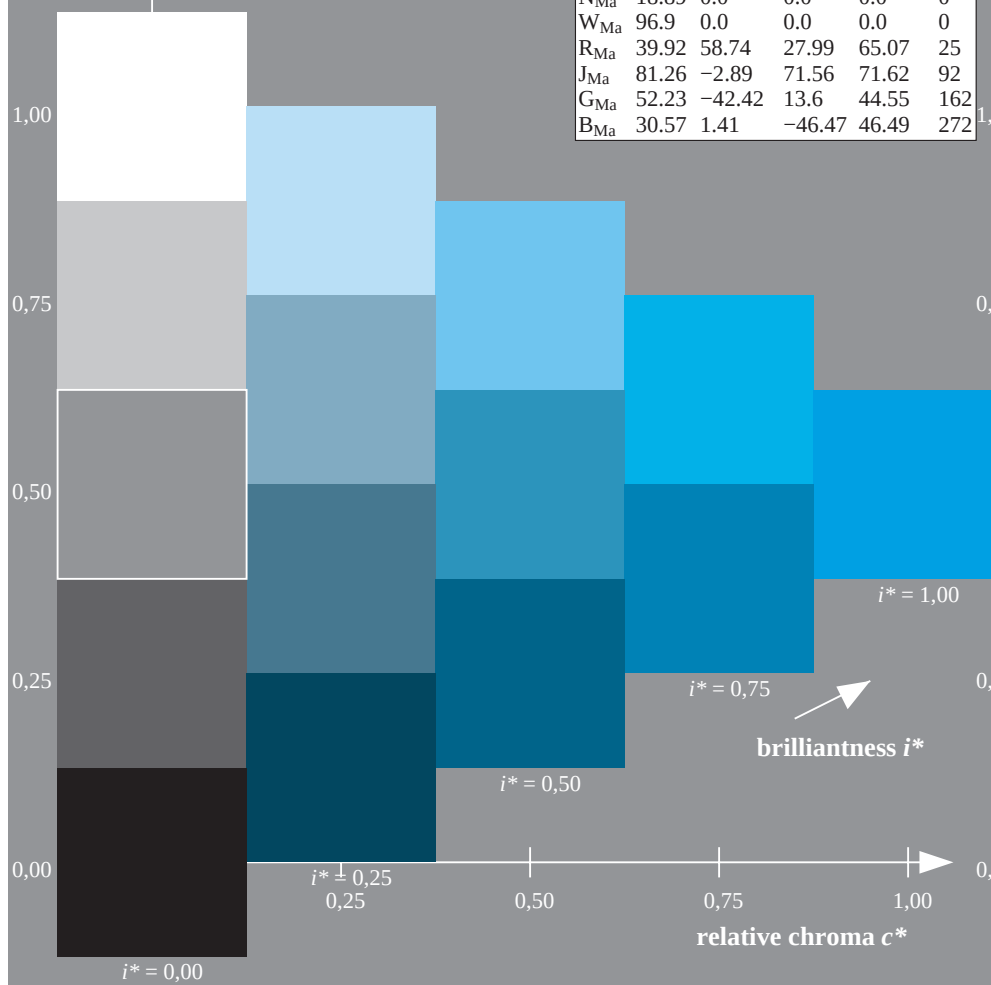
$u^*_{rel} = 89$

% Regularity

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

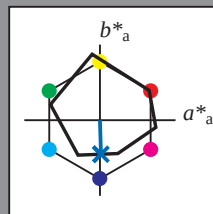
$g^*_{C,rel} = 57$

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

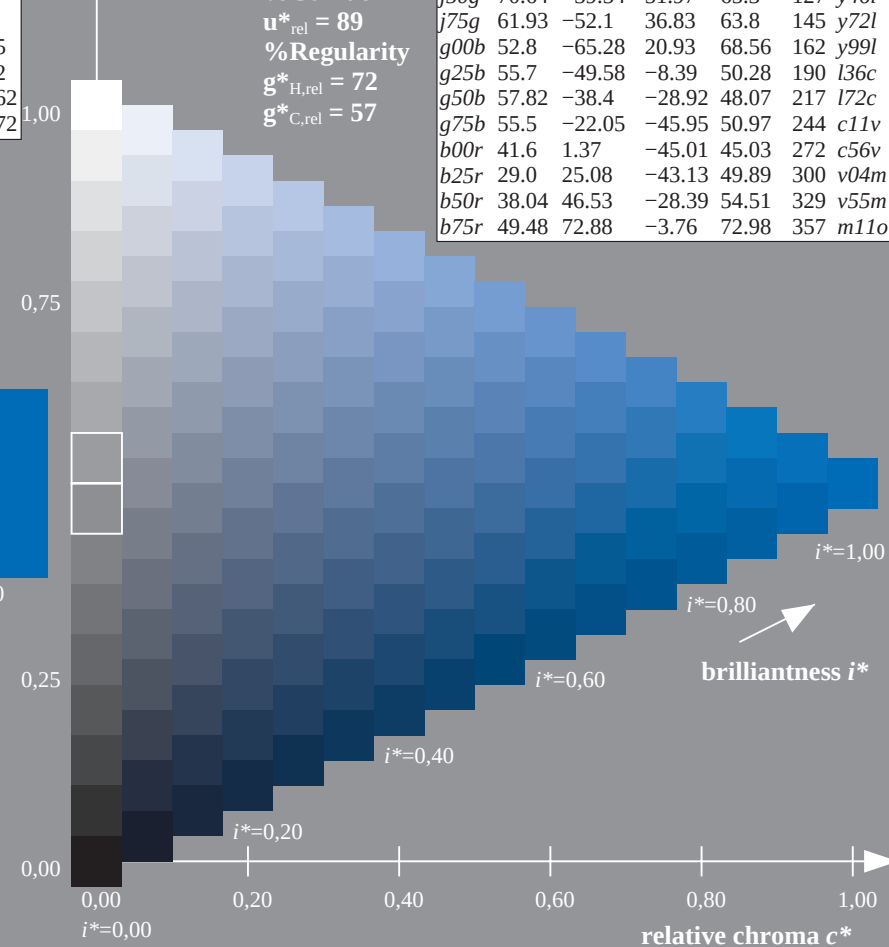
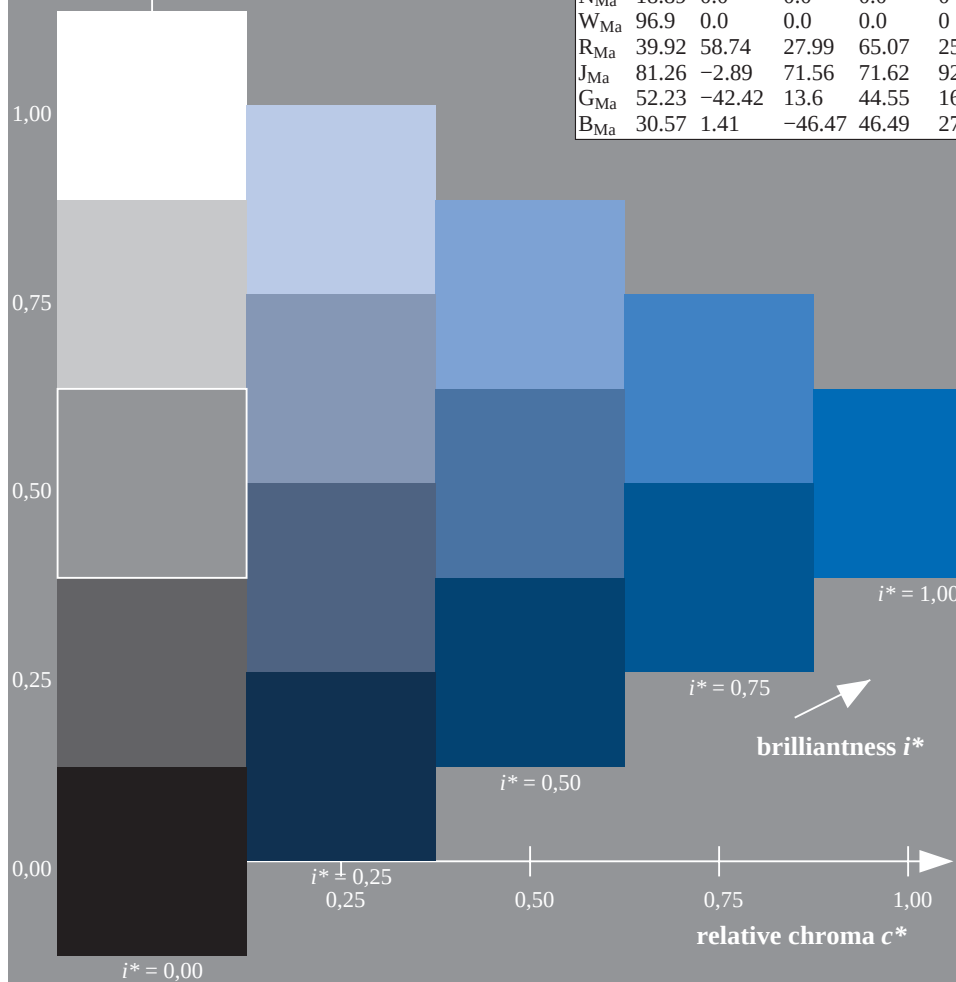
$u_{rel}^* = 89$

%Regularity

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

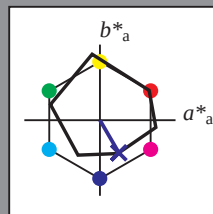
$g_{C,rel}^* = 57$

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

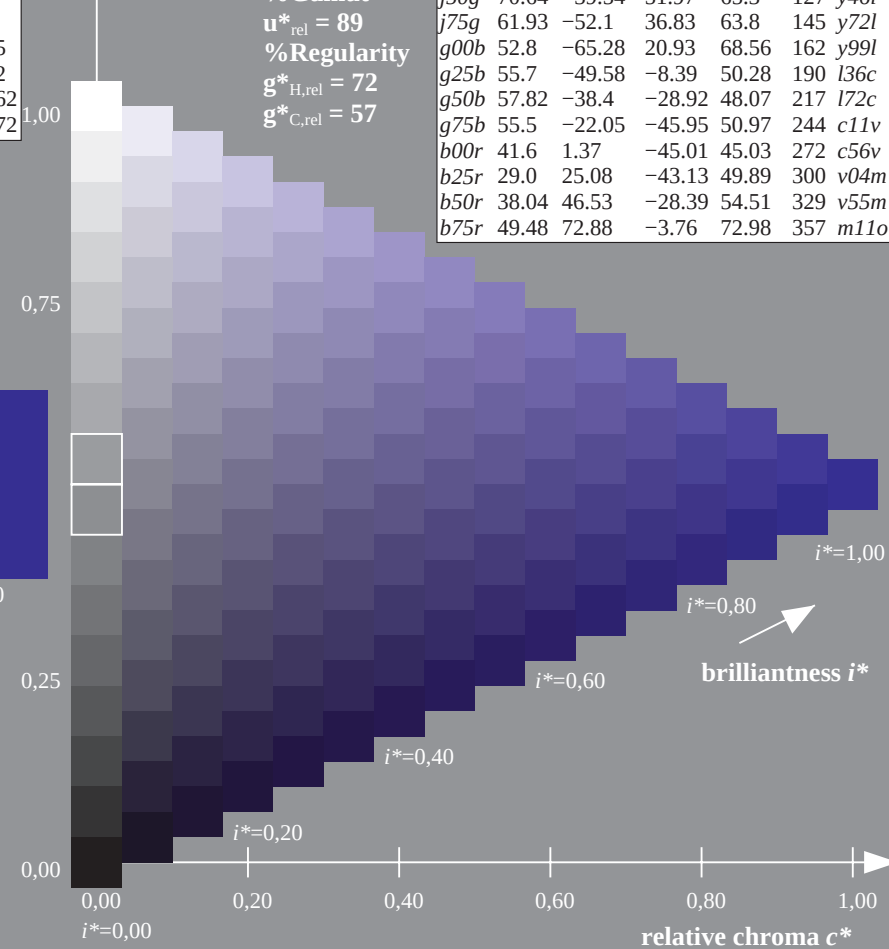
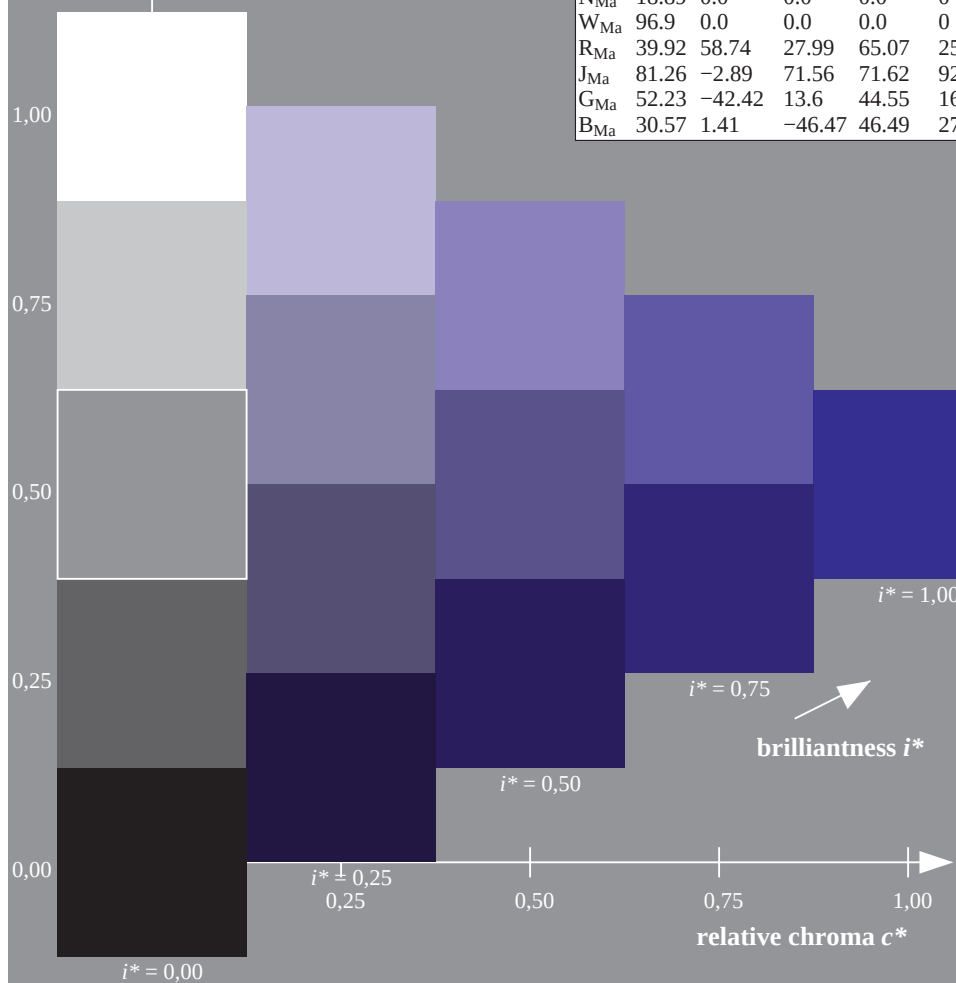
$u_{rel}^* = 89$

%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^*

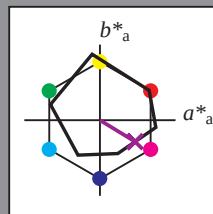
Hue texts:

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

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

$u^*_{rel} = 89$

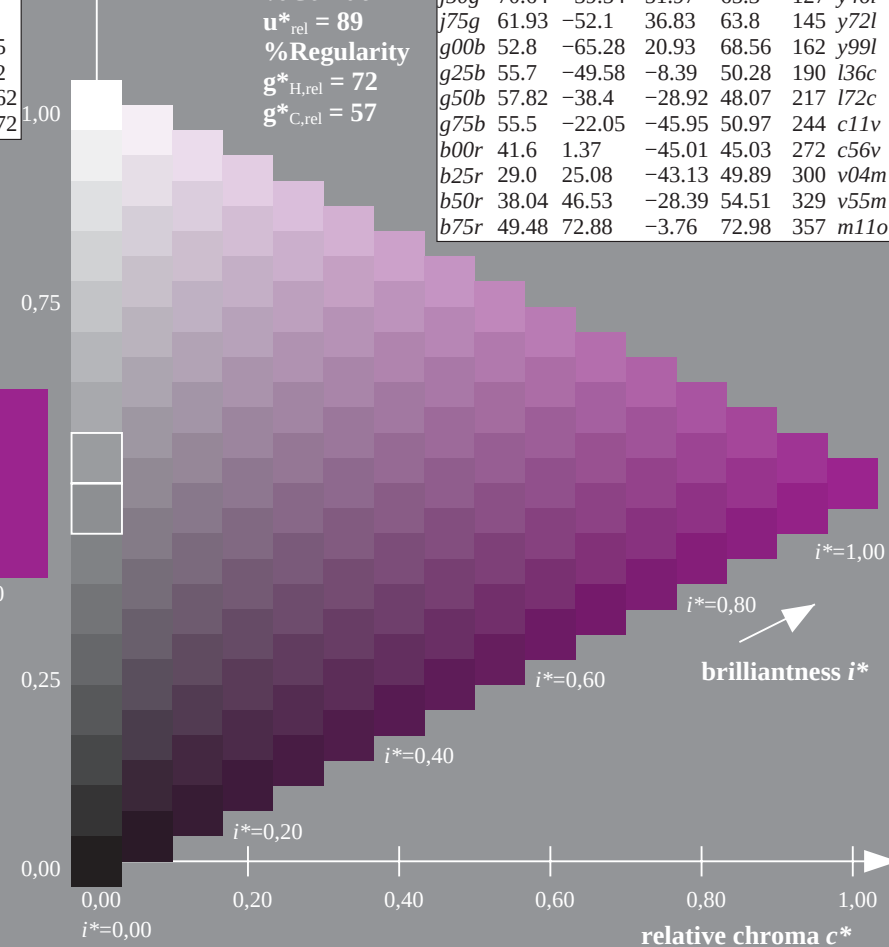
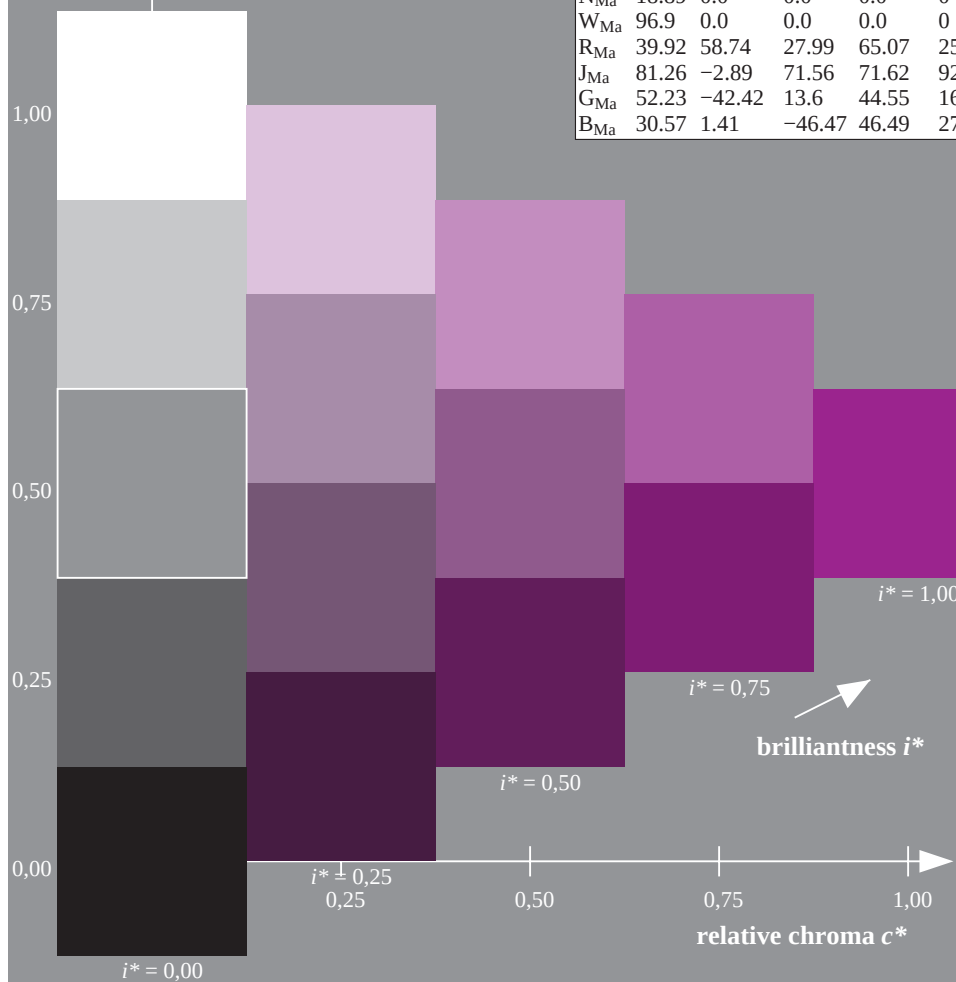
% Regularity

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

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

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^*

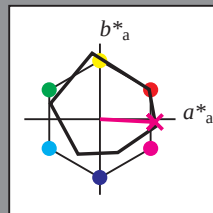
Hue texts:

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

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

$u^*_{rel} = 89$

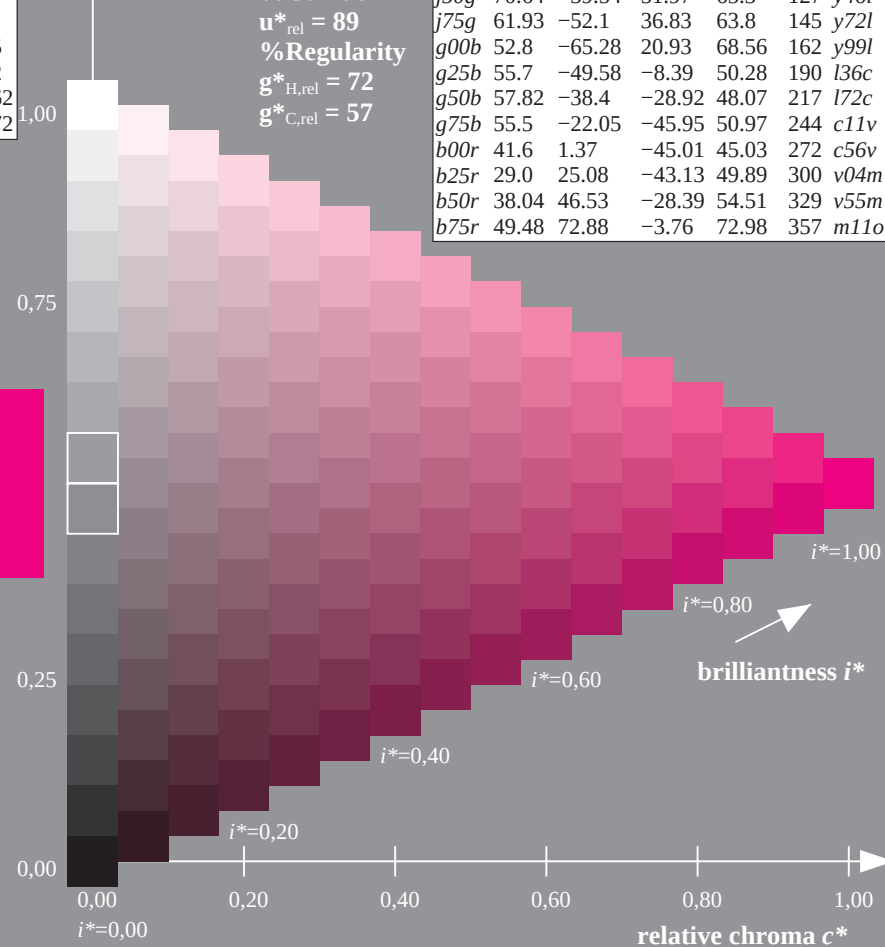
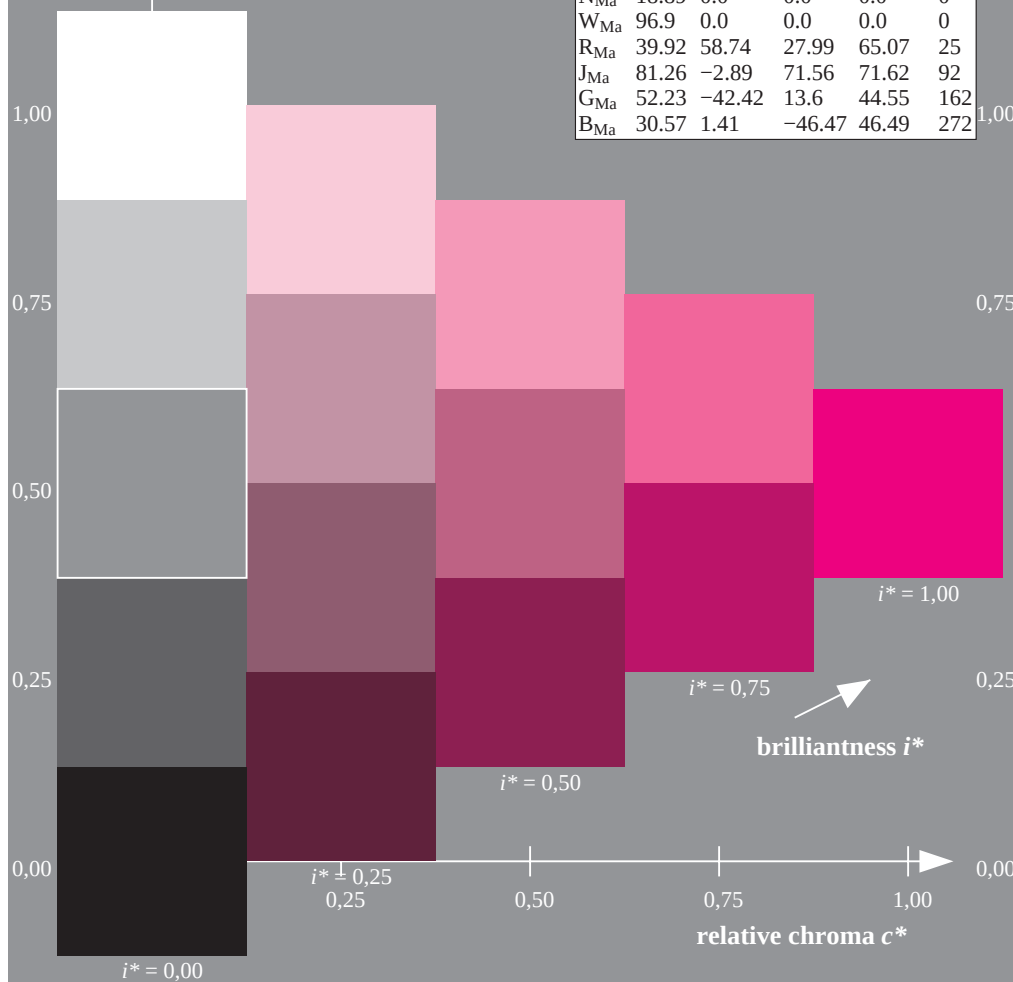
% Regularity

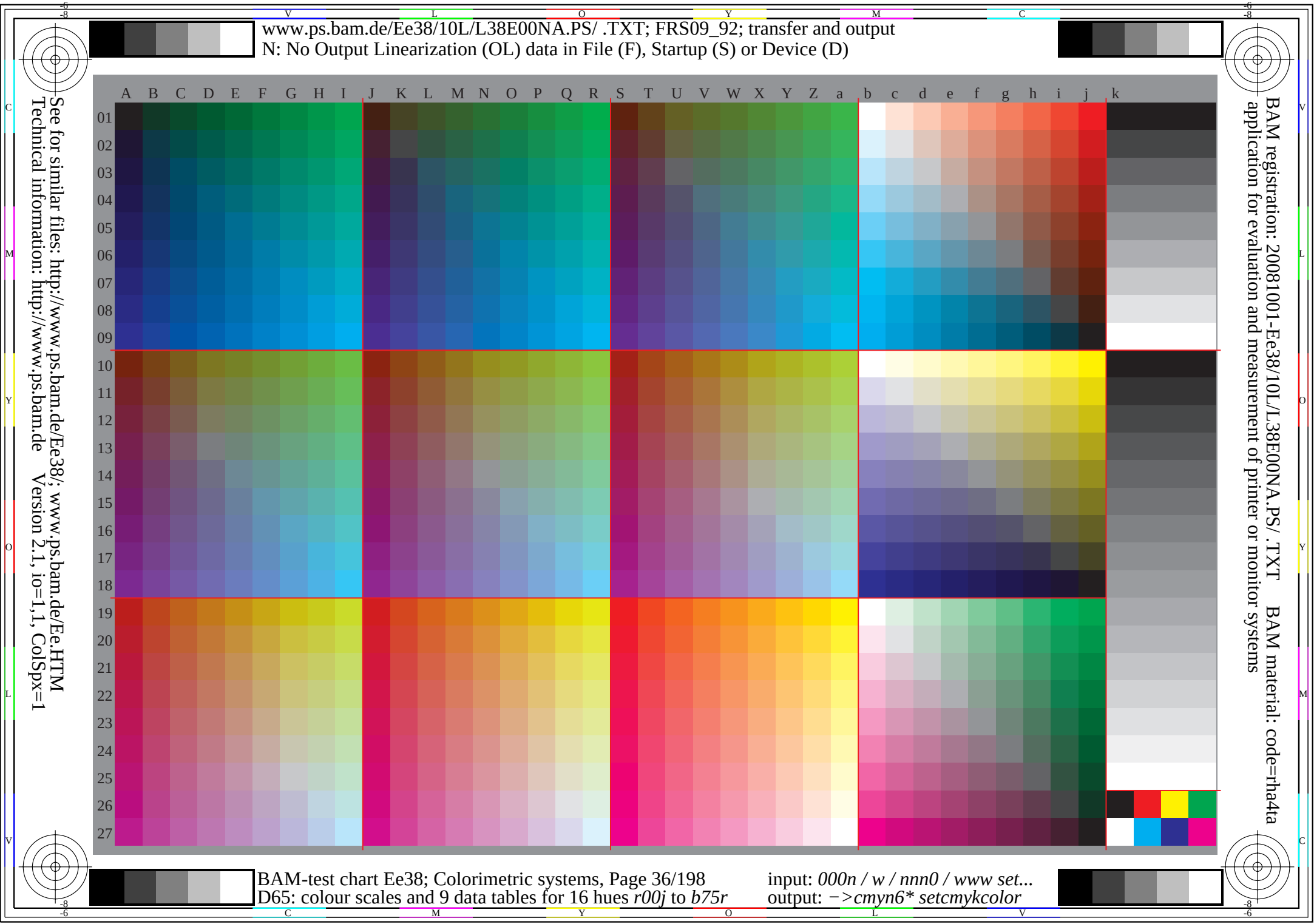
$g^*_{H,rel} = 72$

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

ORS19_96a; adapted (a) CIELAB data

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



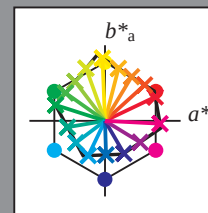


Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:

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

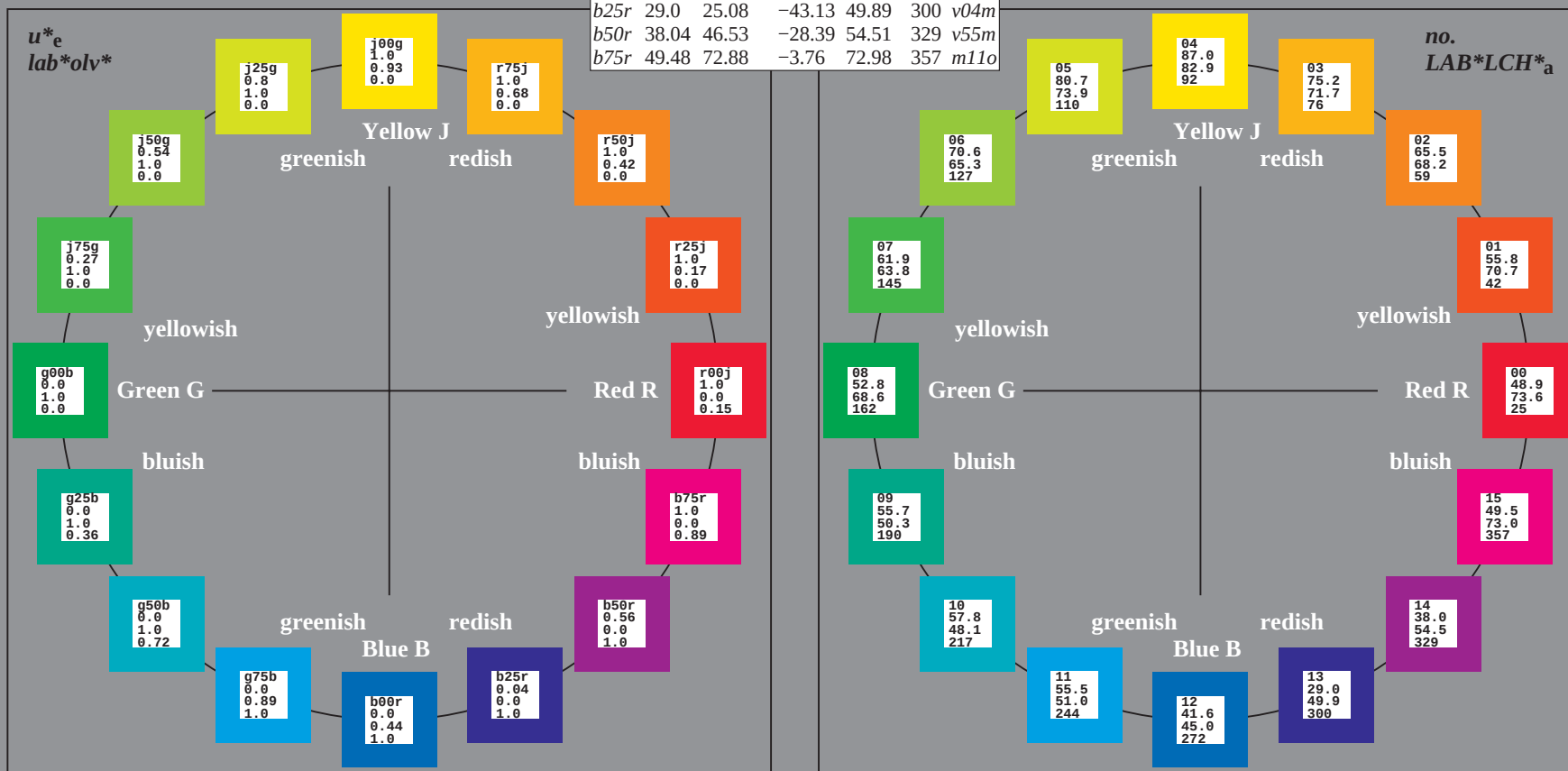
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	48.88	66.47	31.67	73.63	25	$m84o$
$r25j$	55.85	52.39	47.48	70.7	42	$o17y$
$r50j$	65.45	35.22	58.37	68.17	59	$o42y$
$r75j$	75.19	17.82	69.41	71.66	76	$o67y$
$j00g$	87.03	-3.35	82.83	82.9	92	$o92y$
$j25g$	80.72	-25.01	69.5	73.86	110	$y20l$
$j50g$	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	-0.39	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^*

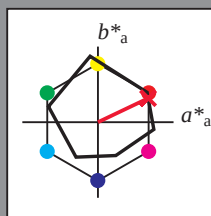
Hue texts:

$u^*_e = r00j$ $u^*_d = m84o$

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

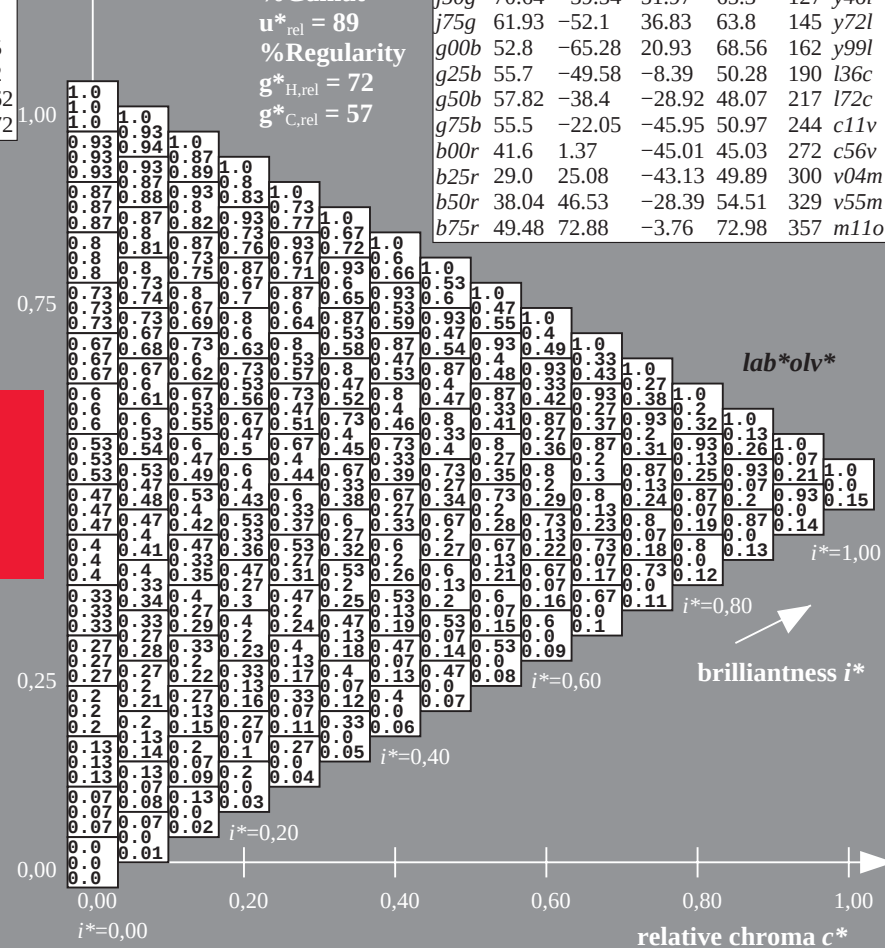
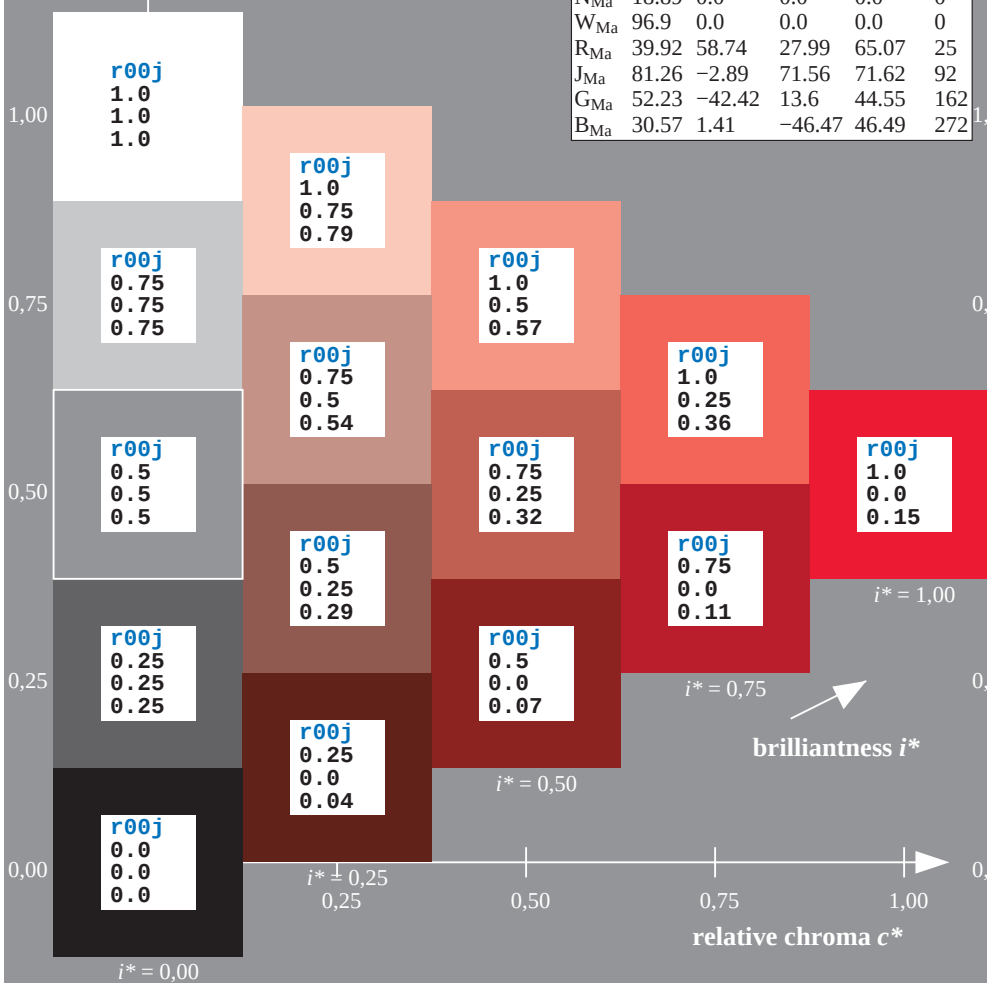
$u^*_{\text{rel}} = 89$

% 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^*

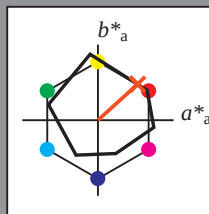
Hue texts:

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

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

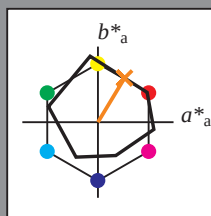
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab \cdot h^* = h_{ab}/360 = 0.164$ data for any colour:

*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*_{M2}: 65 35 58

LAB*LCH*M₃: 65 68 58

$$lab*rah*M_2: 1.0 \ 0.5 \ 0.0$$

*lab*ply*Ms: 1.0 0.42 0.0*

triangle lightness t^*

triangle rightness:

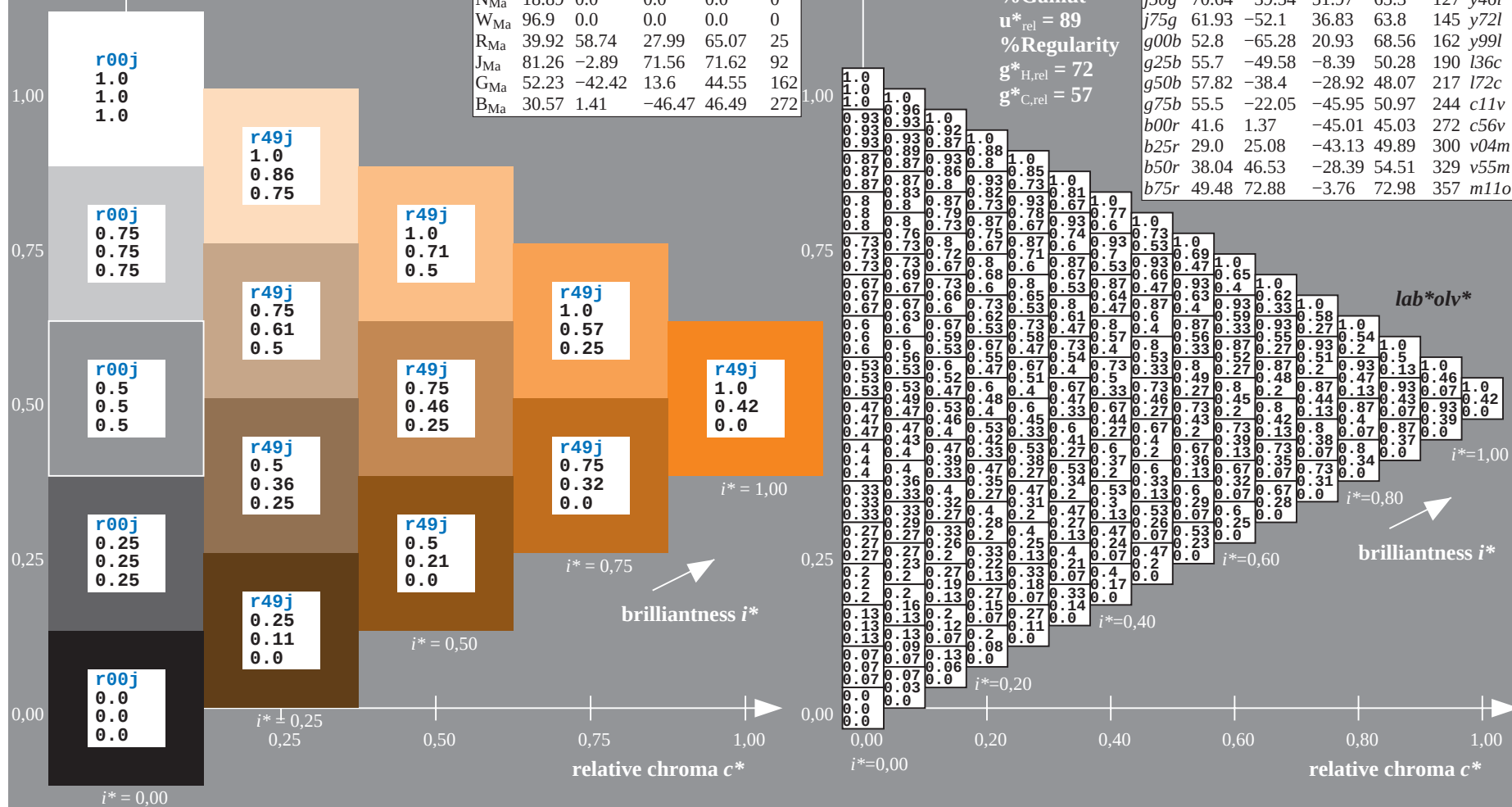
%Gamut

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

%Regularity

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

ORS19_96a; adapted (a) CIELAB data							
u_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 Ee38; Colorimetric systems, Page 40/198
D65: colour scales and 9 data tables for 16 hues $r00j$ to $b75r$

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


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

data for any colour:

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

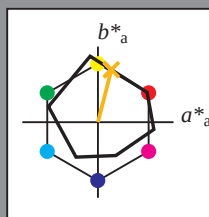
Hue texts:

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

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

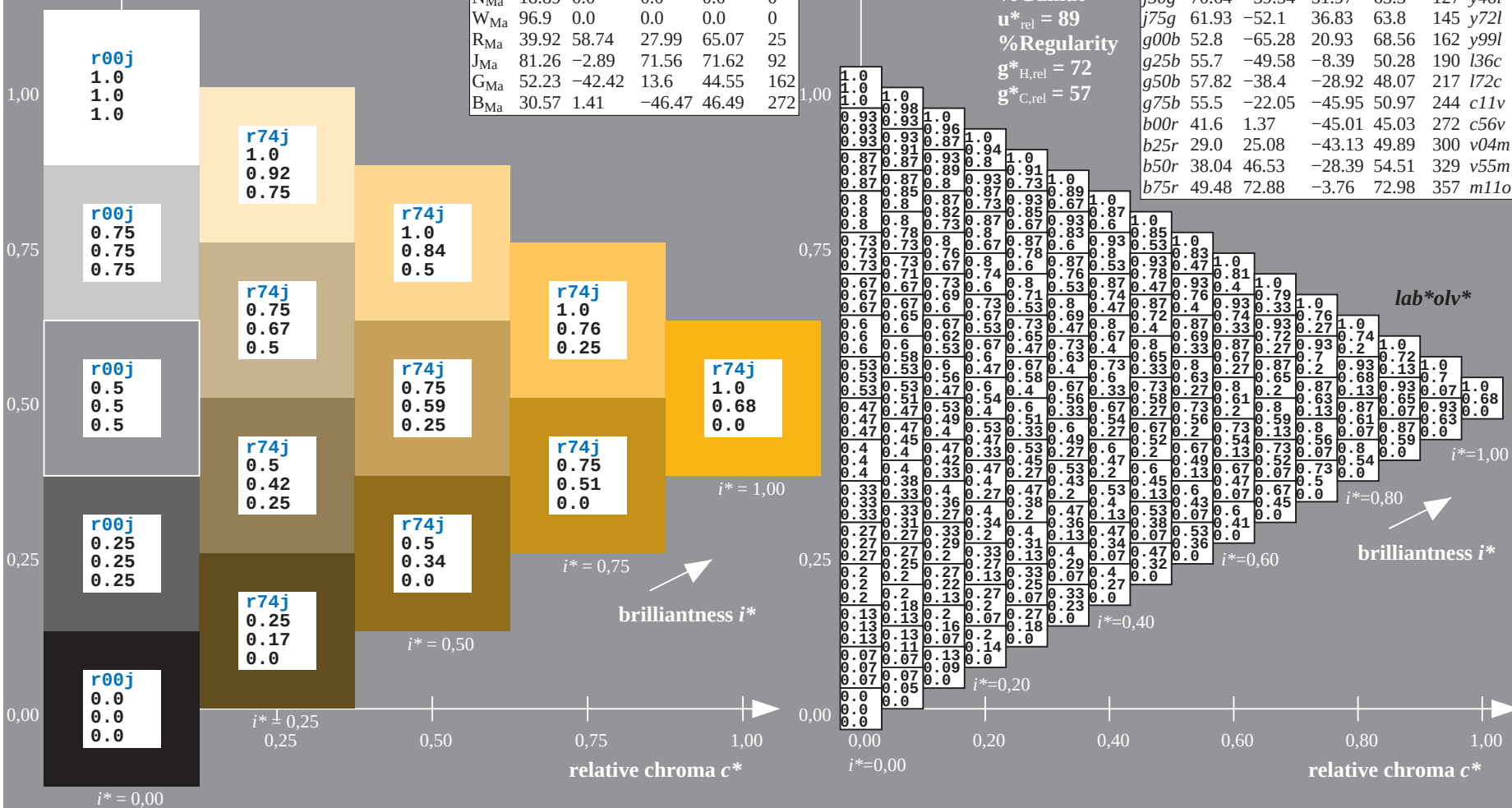
$u^*_{\text{rel}} = 89$

% Regularity

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

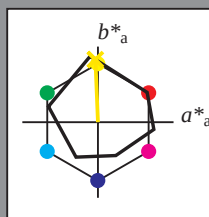
$g^*_{C,\text{rel}} = 57$

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

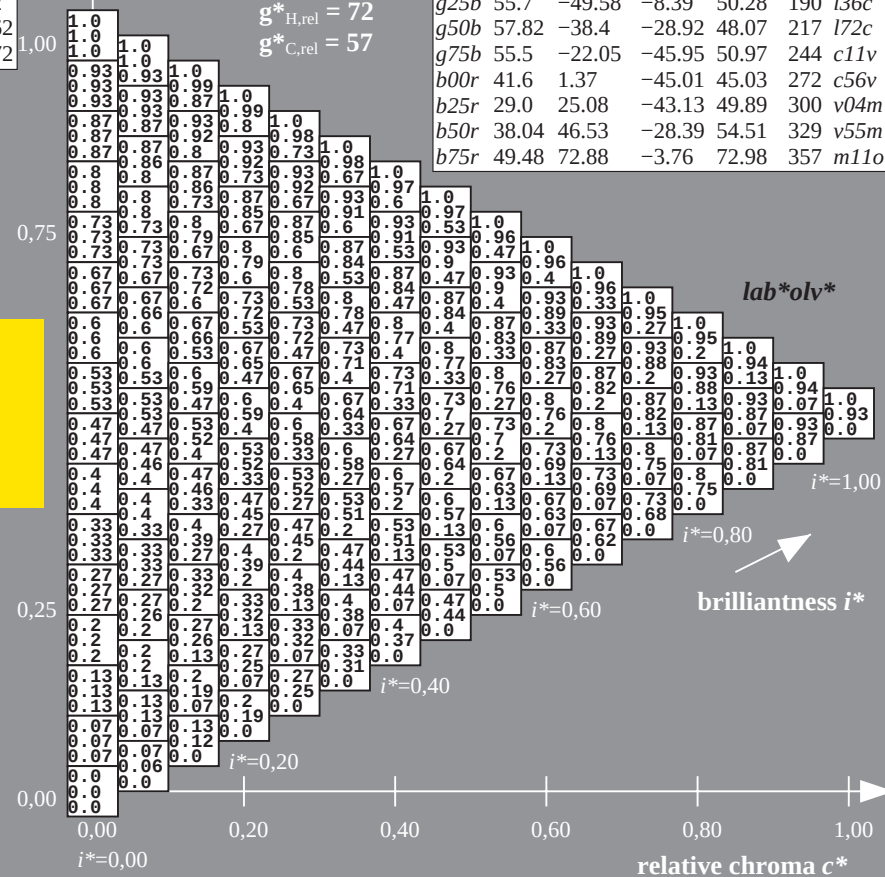
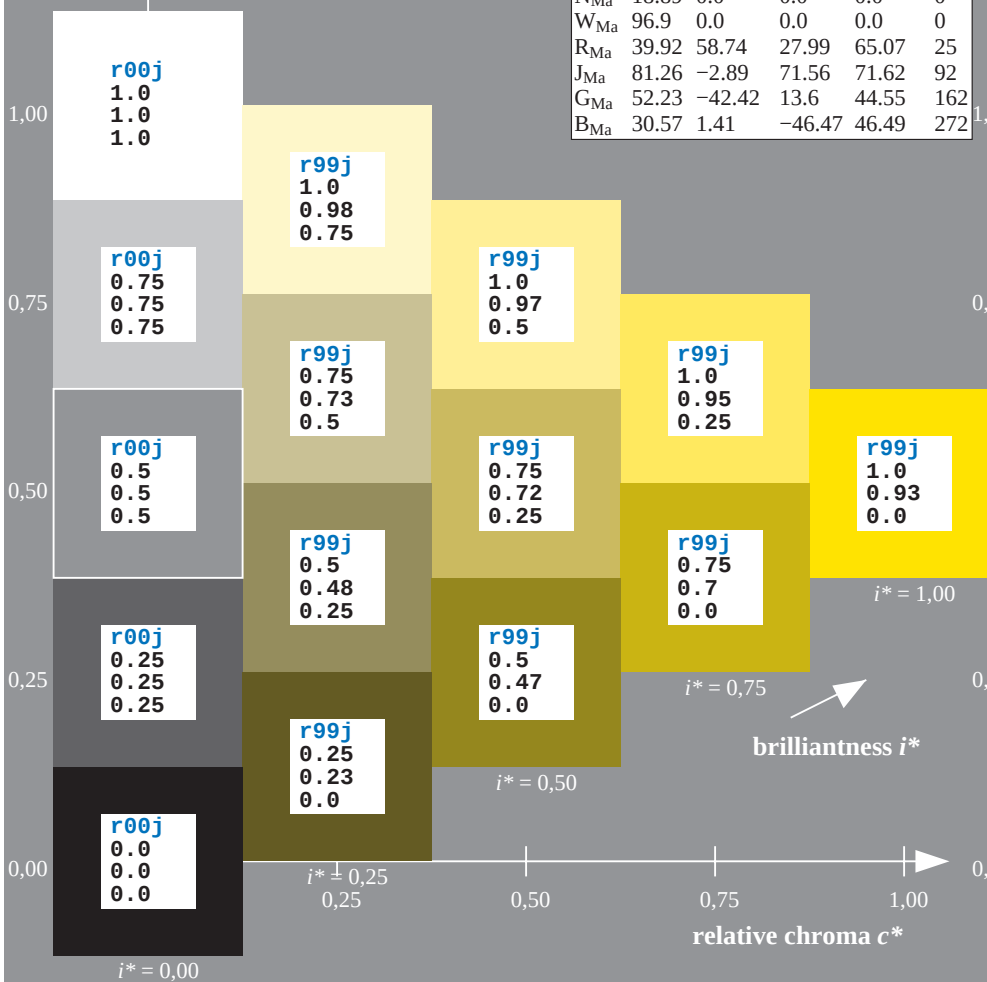
$u^*_{\text{rel}} = 89$

% 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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

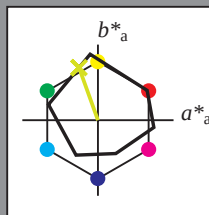
Hue texts:

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

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^*

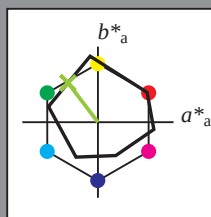
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

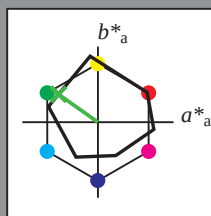
Hue texts:

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

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

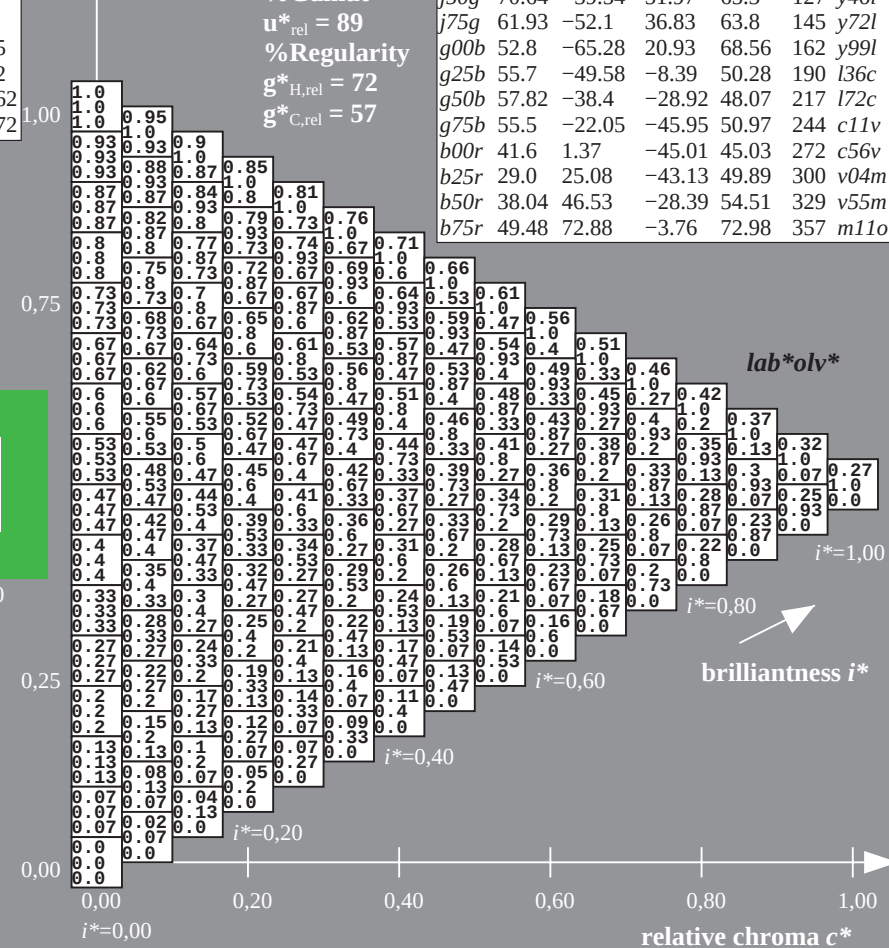
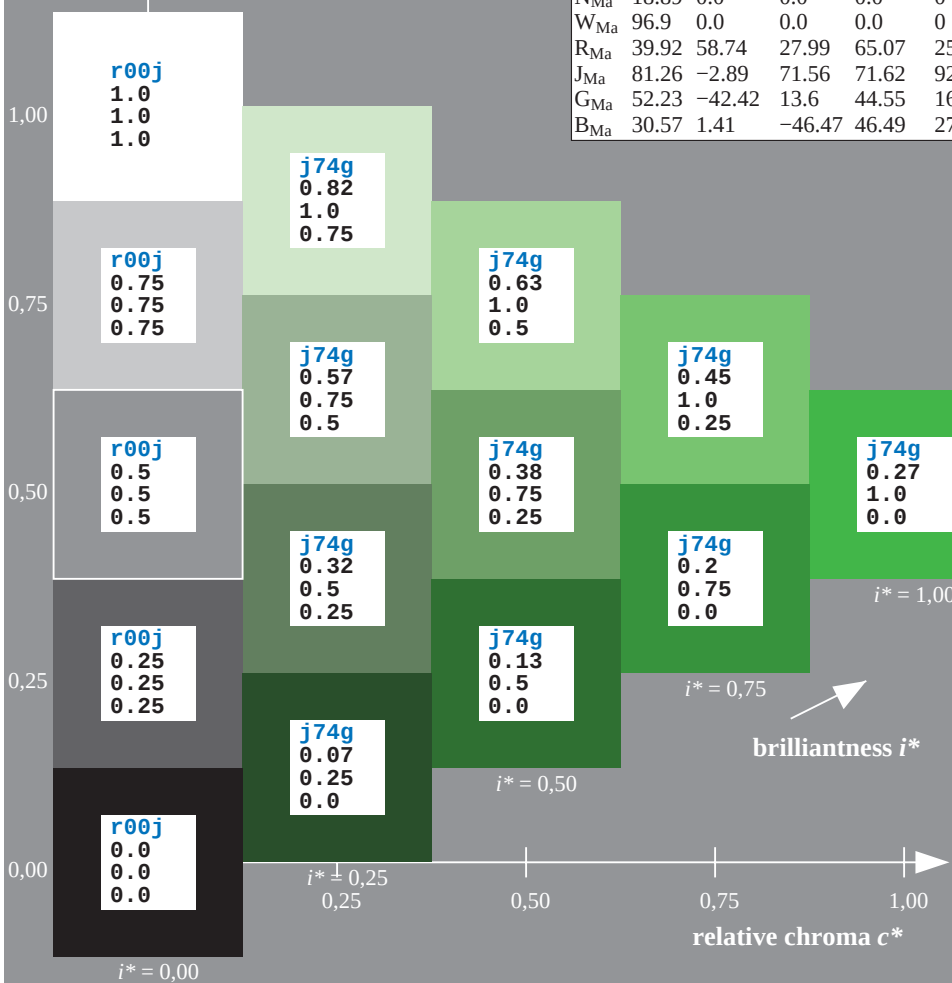
$u^*_{\text{rel}} = 89$

% 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^*

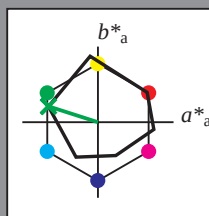
Hue texts:

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

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

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

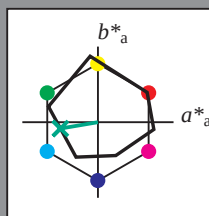
Hue texts:

$u_e^* = g25b$ $u_d^* = l36c$

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):

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

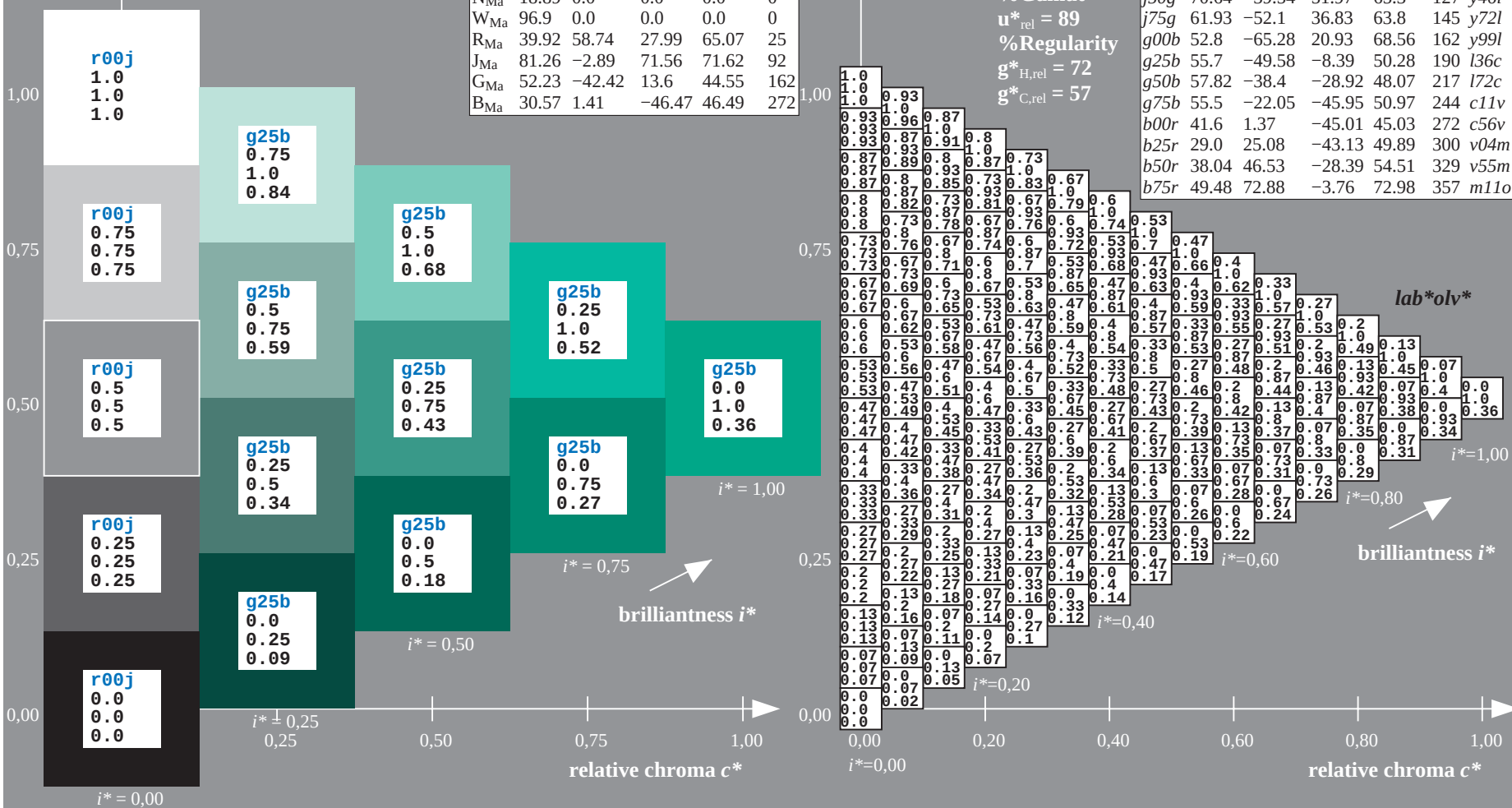
$u^*_{\text{rel}} = 89$

% 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^*

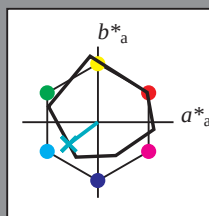
Hue texts:

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

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):

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

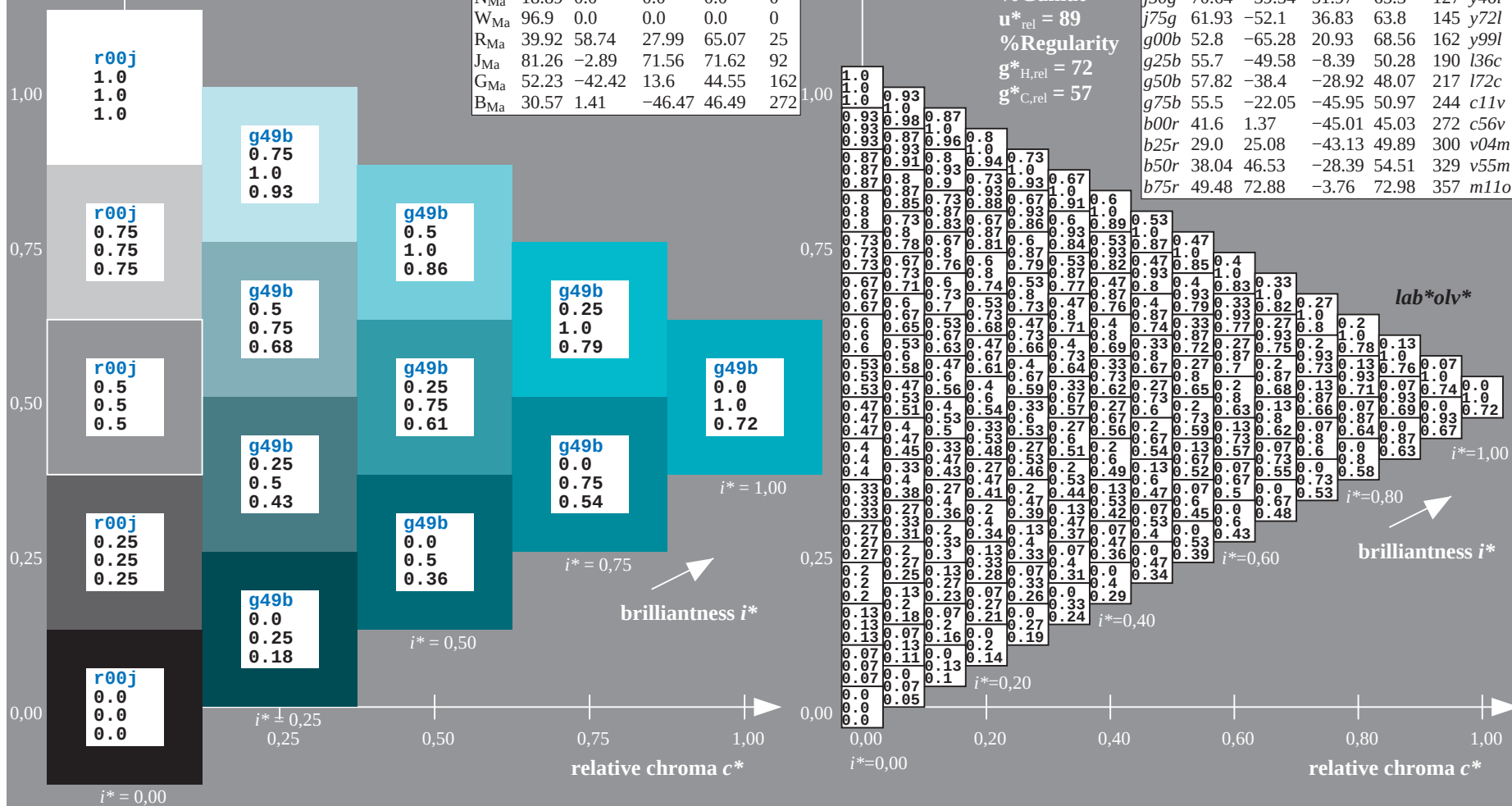
$u^*_{\text{rel}} = 89$

% Regularity

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

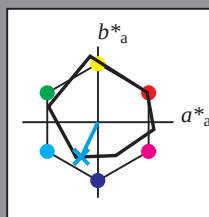
$g^*_{C,\text{rel}} = 57$

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

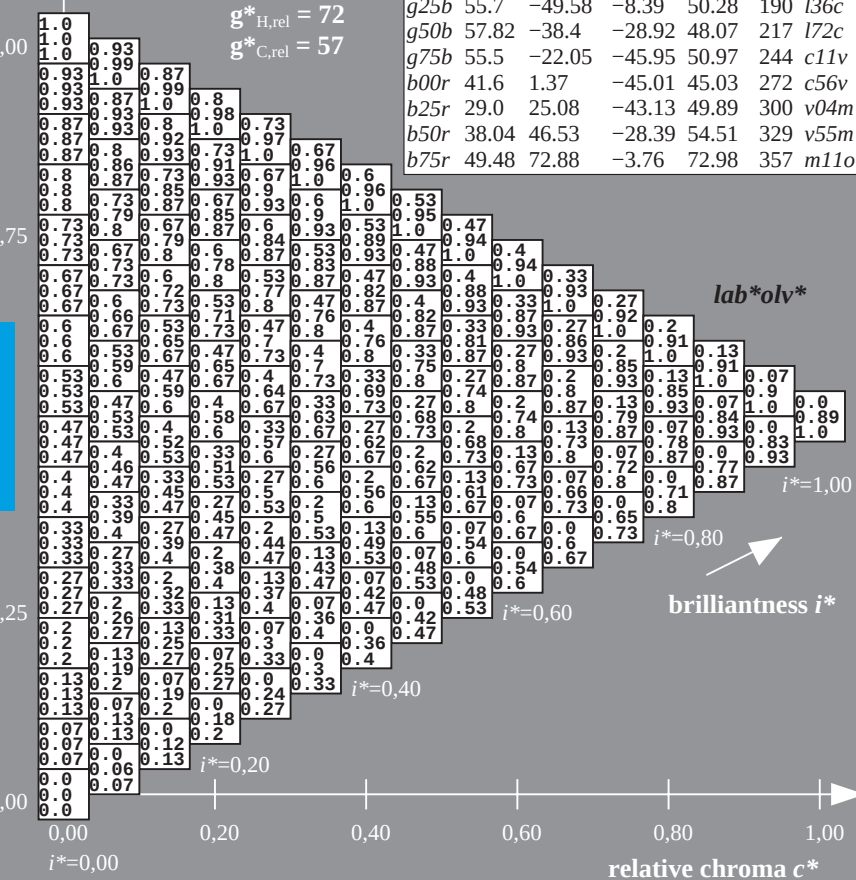
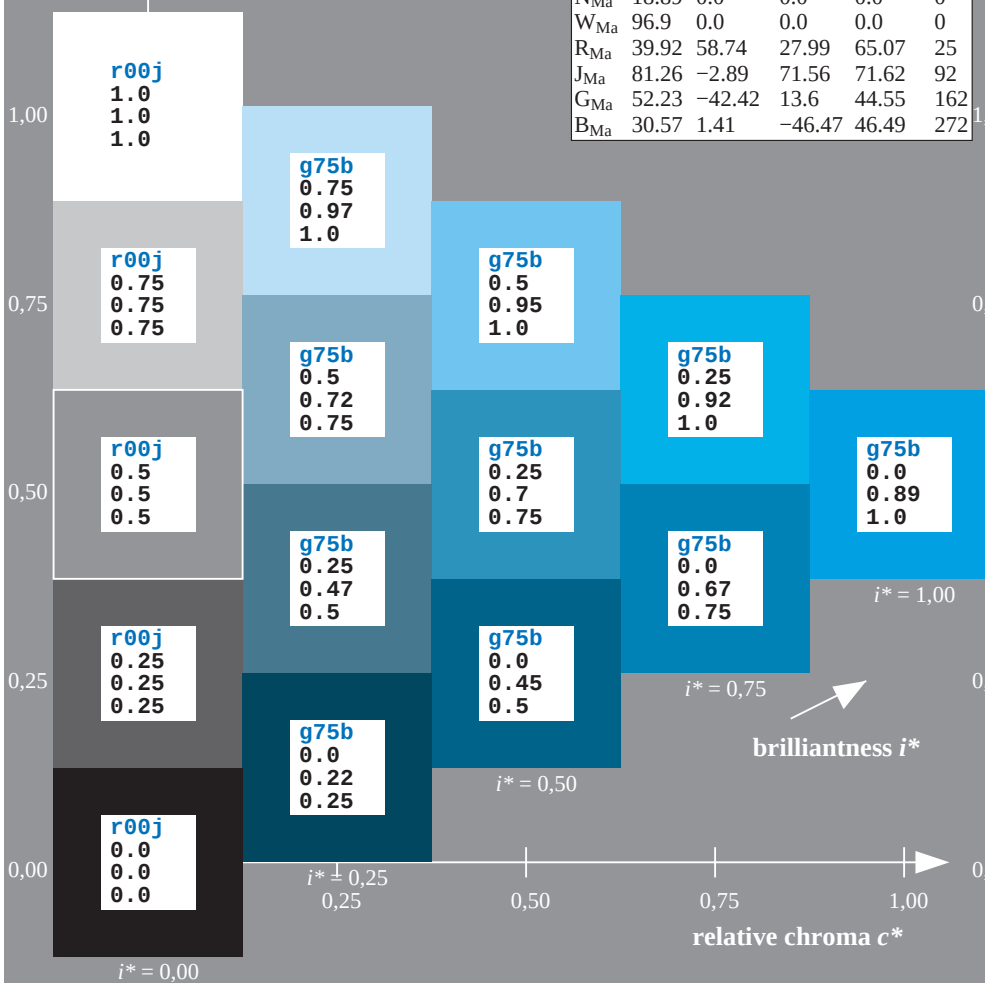
$u^*_{\text{rel}} = 89$

% 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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

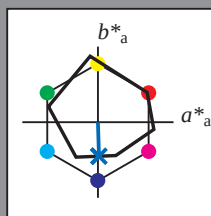
Hue texts:

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

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

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

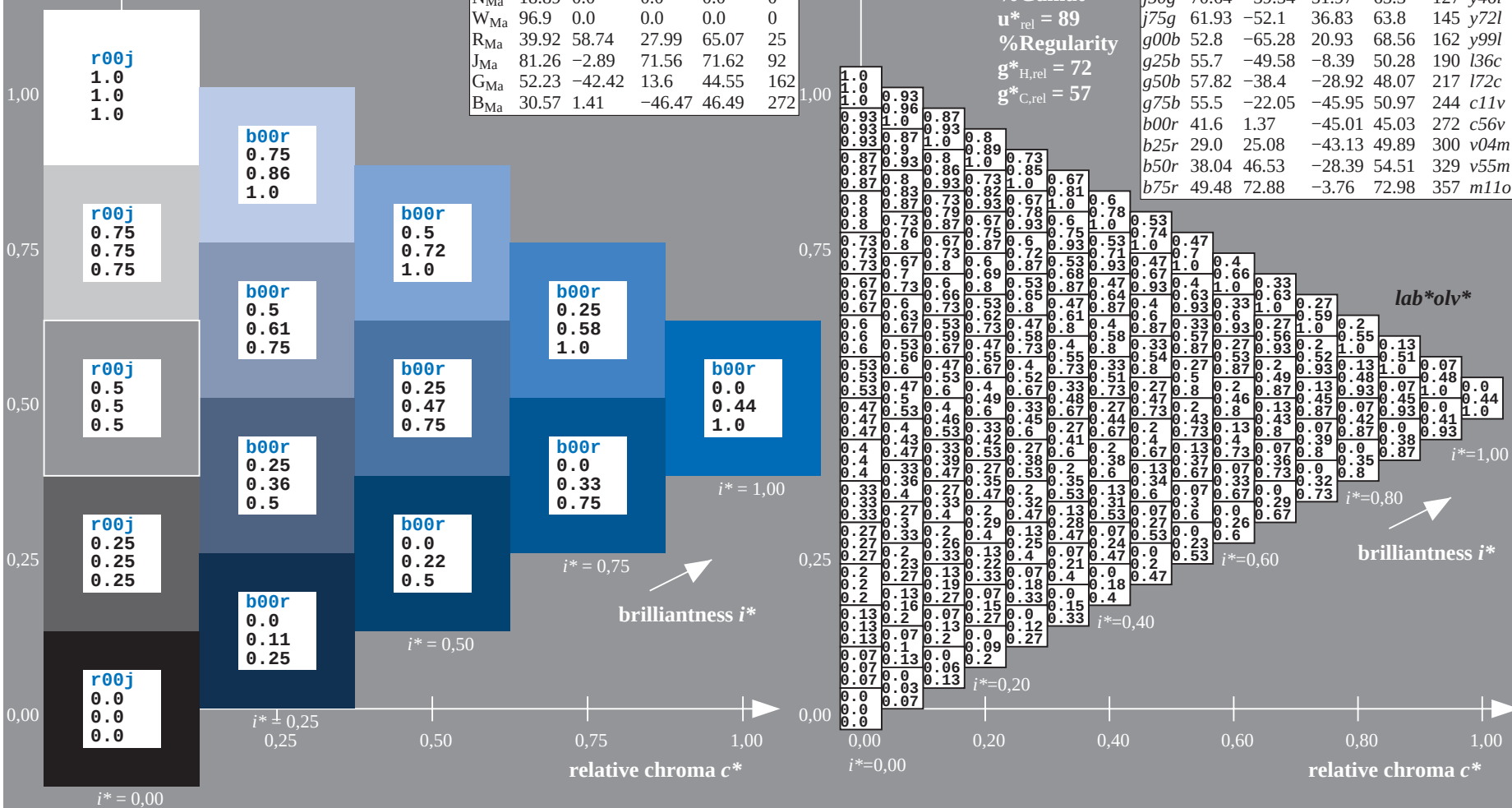
$u^*_{\text{rel}} = 89$

% Regularity

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

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

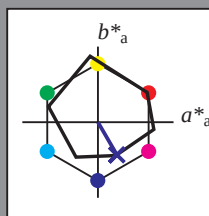
ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	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



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^*olv^*

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*rag**Ma: 0.5 0.0 1.0

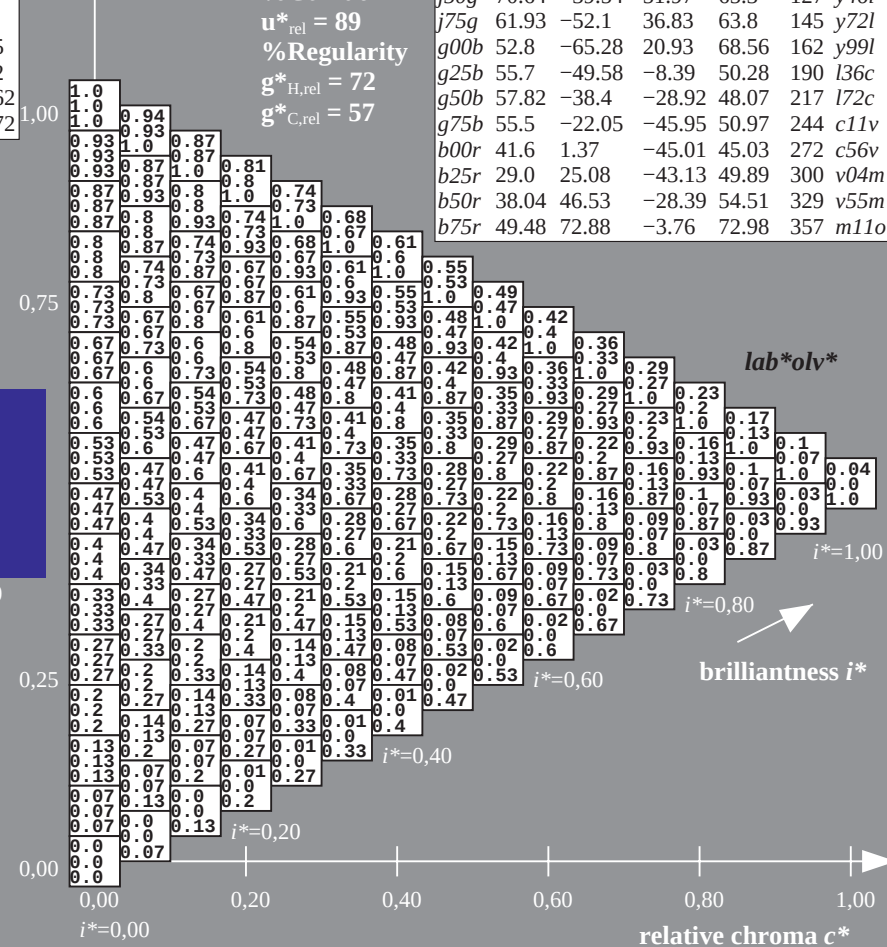
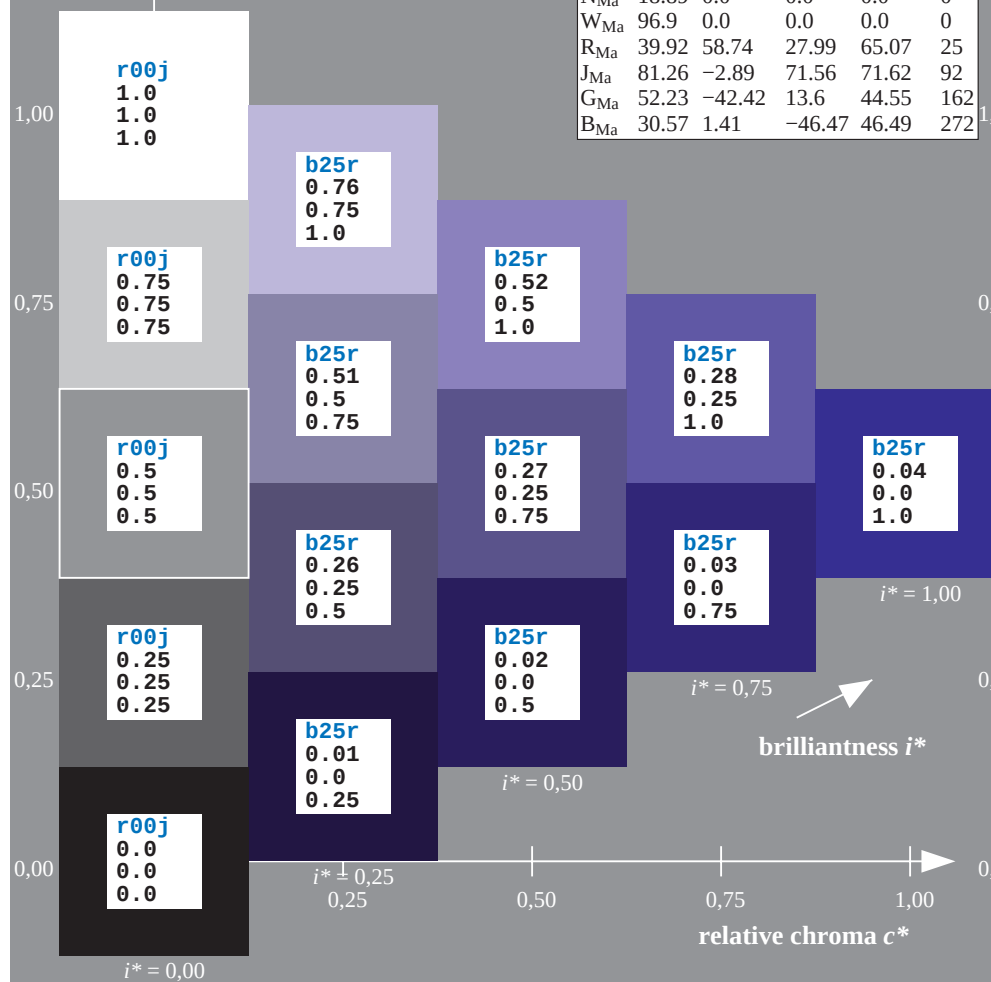
*lab*olv**Ma: 0.04 0.0 1.0

triangle lightness t^*

%Gamut

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

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>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 Ee38; Colorimetric systems, Page 51/198
D65: colour scales and 9 data tables for 16 hues $r00j$ to $b75r$

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

BAM registration: 20081001-Ee38/10/L38E00NA.PS/.TXT BAM material: code=rha4ta
 application for evaluation and measurement of printer or monitor systems

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

data for any colour:

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

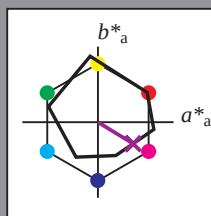
Hue texts:

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

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

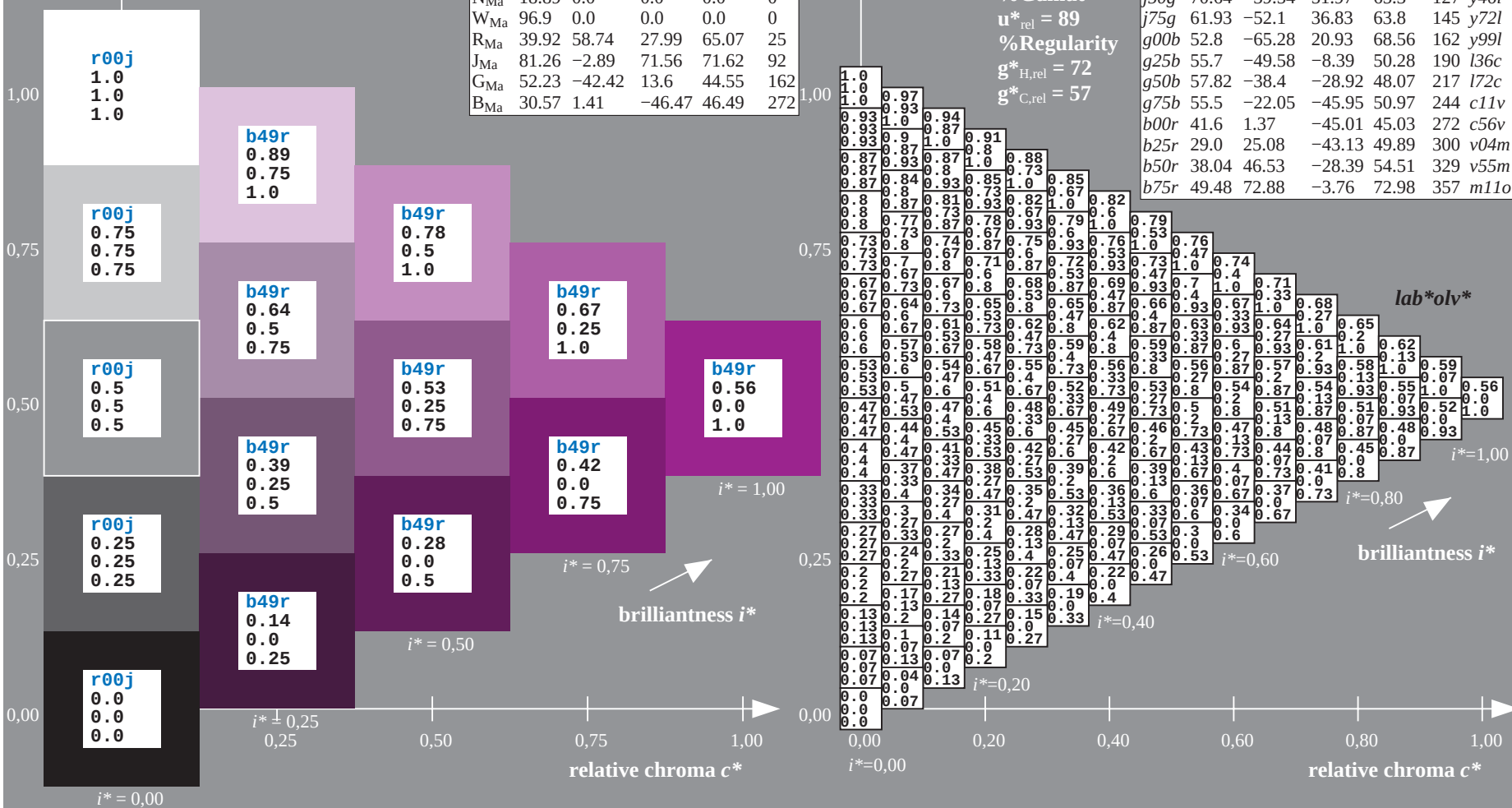
$u^*_{\text{rel}} = 89$

% 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^*

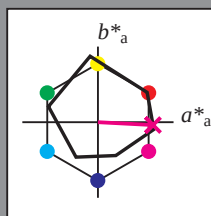
Hue texts:

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

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):

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

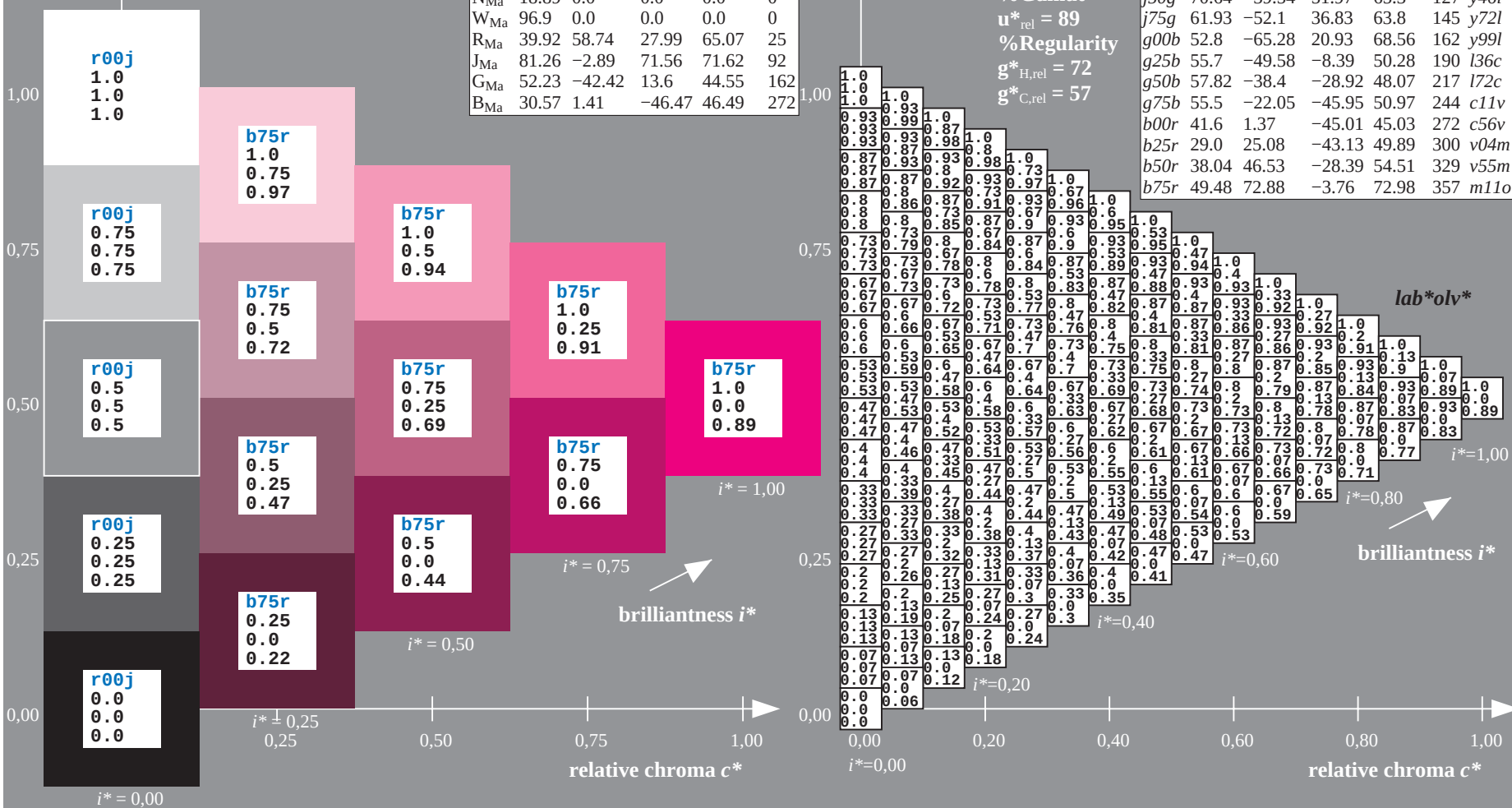
$u^*_{\text{rel}} = 89$

% 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



BAM-test chart Ee38; Colorimetric systems, Page 54/198
D65: colour scales and 9 data tables for 16 hues $r00j$ to $b00j$

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

BAM registration: 20081001-Ec38/10L/L38E00NA.PS/.TXT BAM material: code=rh4ata
application for evaluation and measurement of printer or monitor systems

BAM material: code=rh4ta

See for similar files: <http://www.ps.bam.de/Ee38/>; www.ps.bam.de/Ee.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=1

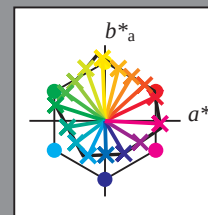
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*olv*							
01	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0					
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0						
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0					
02	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.13	0.13	0.13			
	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13					
	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13				
03	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.25	0.25	0.25				
	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.25	0.25	0.25	0.25					
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.25	0.25	0.25	0.25					
04	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38				
	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38					
	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38				
05	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5				
	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	1.0	0.87	0.75	0.62	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5					
	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5			
06	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.63	0.63	0.63	0.63				
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	1.0	0.87	0.75	0.62	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63					
	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63				
07	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.75	0.75	0.75	0.75				
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.13	0.0	0.75	0.75	0.75	0.75					
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.75					
08	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13						
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.13	0.0	0.88	0.88	0.88	0.88					
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.88	0.88	0.88		
09	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0			
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.12	0.0	1.0	1.0	1.0	1.0					
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0					
10	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0				
	0.38	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
11	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.88	0.88	0.87	0.87	0.87	0.87	0.87	0.87	0.07	0.07	0.07	0.07
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	1.0	0.88	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
	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.07	0.07	0.07	0.07			
12	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	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

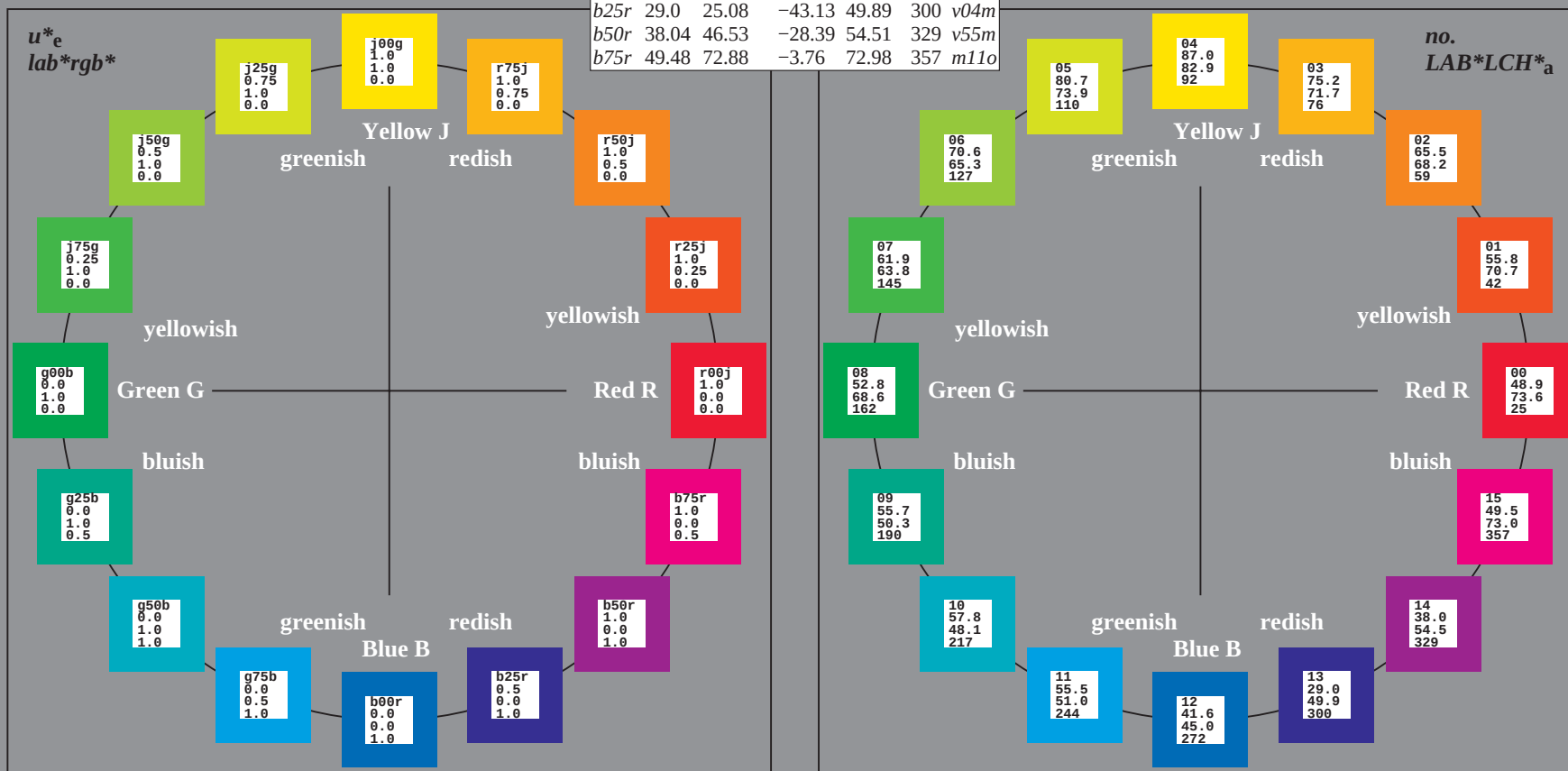
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	48.88	66.47	31.67	73.63	25	$m84o$
$r25j$	55.85	52.39	47.48	70.7	42	$o17y$
$r50j$	65.45	35.22	58.37	68.17	59	$o42y$
$r75j$	75.19	17.82	69.41	71.66	76	$o67y$
$j00g$	87.03	-3.35	82.83	82.9	92	$o92y$
$j25g$	80.72	-25.01	69.5	73.86	110	$y20l$
$j50g$	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	-0.39	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^*

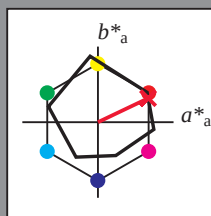
Hue texts:

$u^*_e = r00j$ $u^*_d = m84o$

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

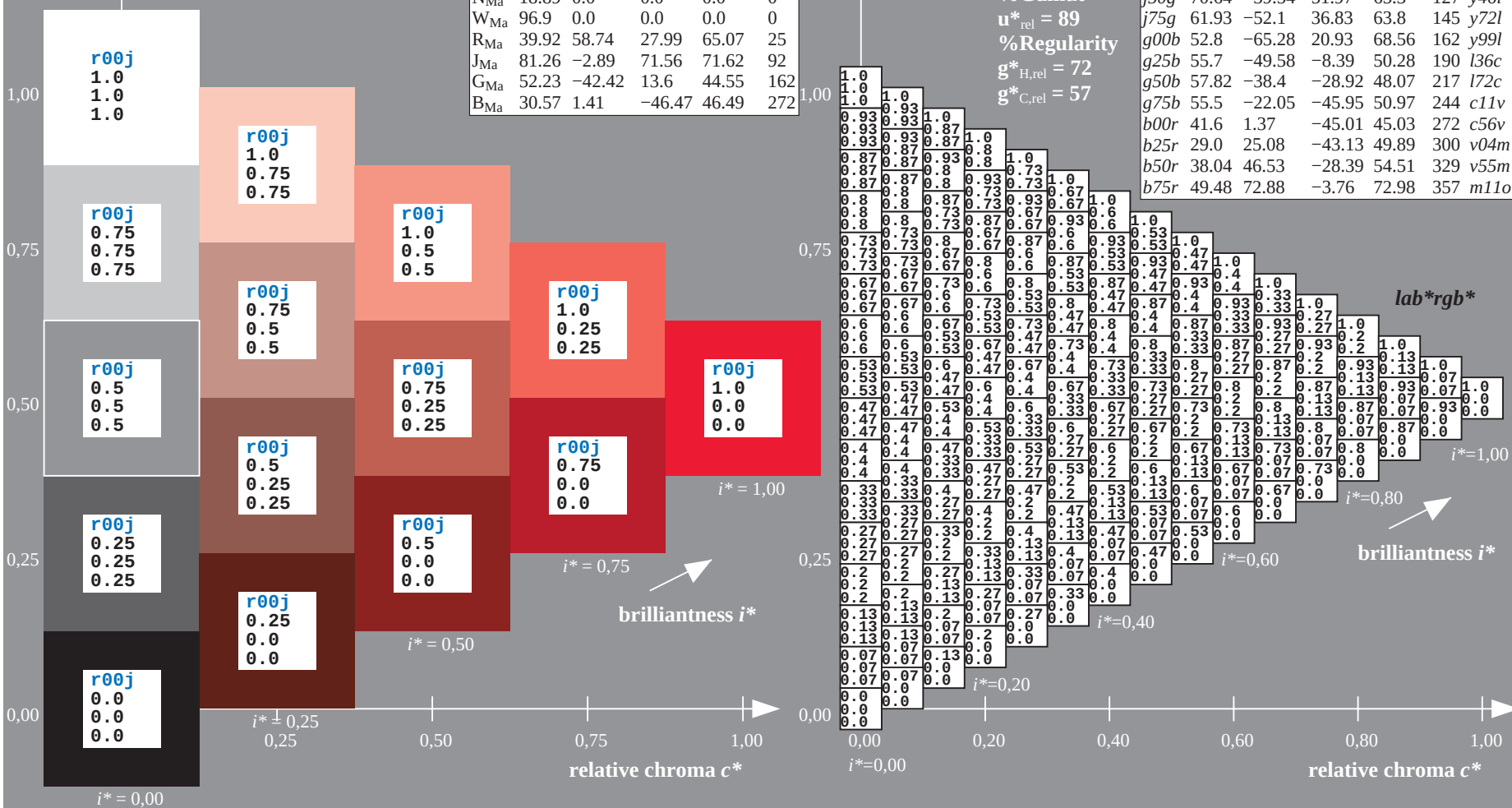
$u^*_{\text{rel}} = 89$

% 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^*

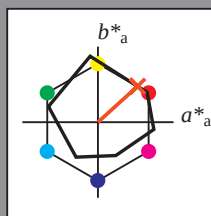
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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^*rgb^*

$i^* = 1.00$

brilliantness i^*

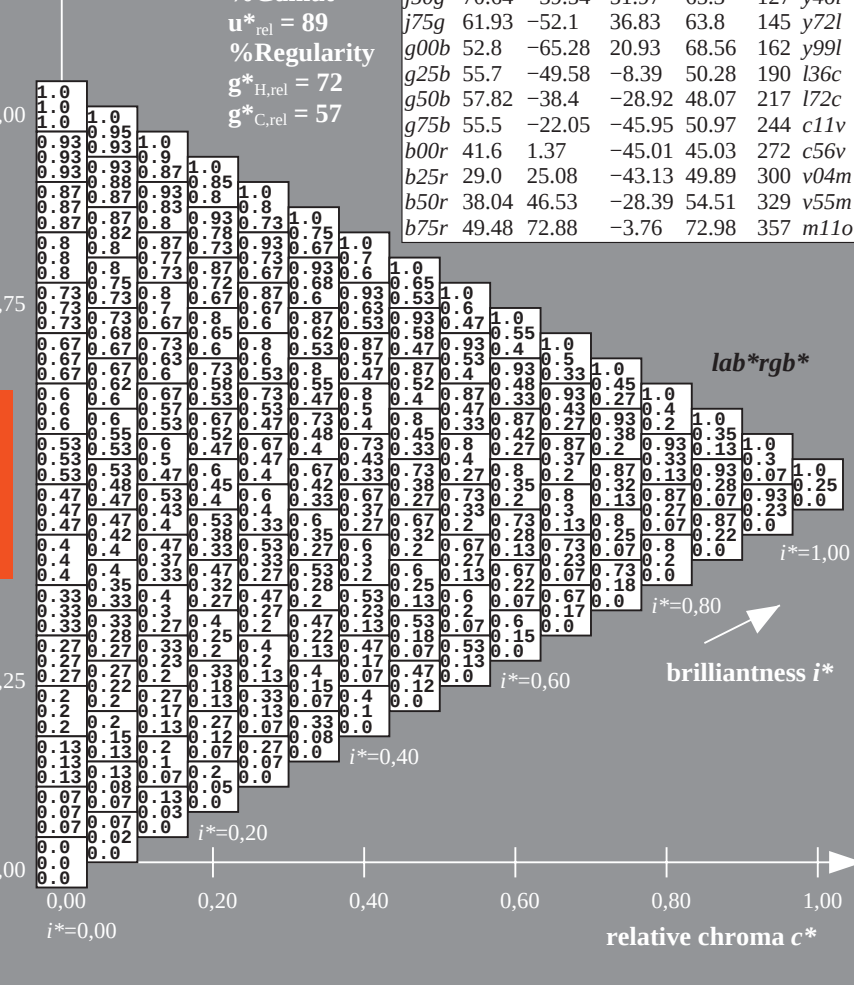
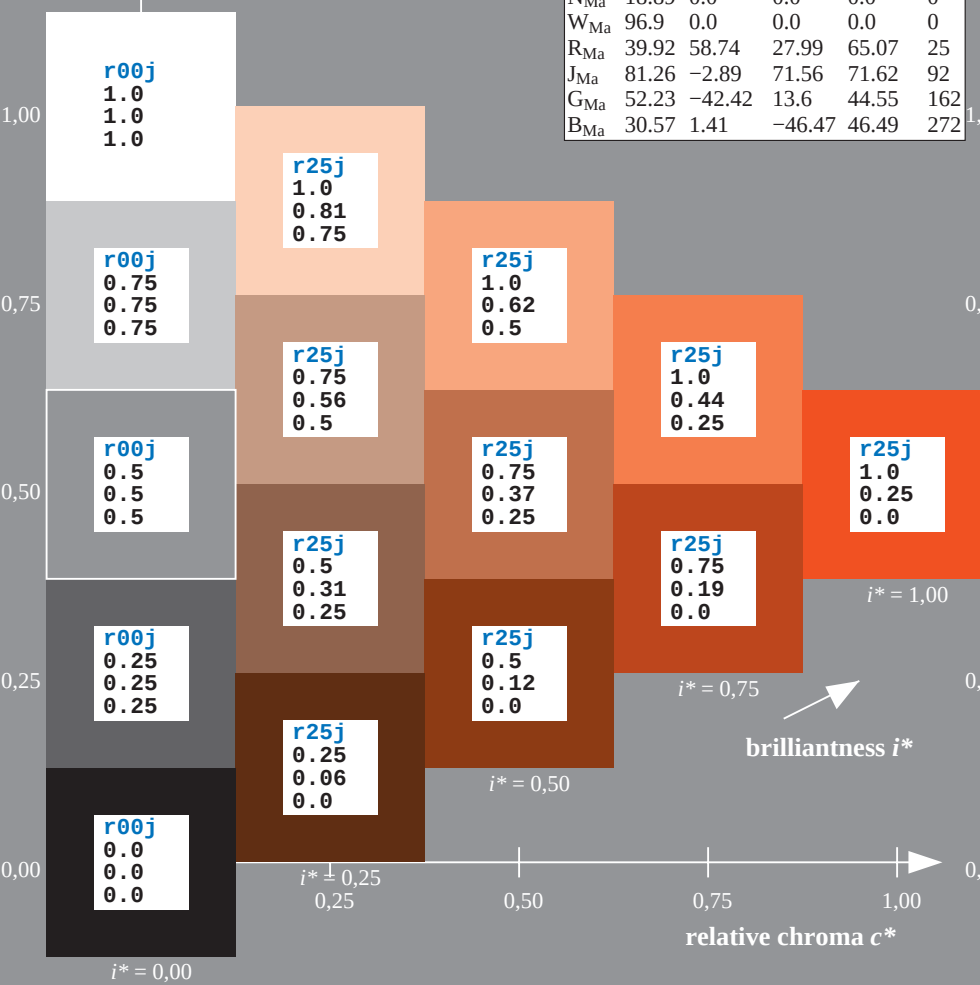
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



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

data for any colour:

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

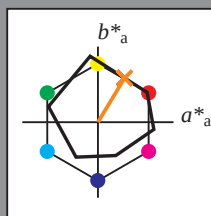
Hue texts:

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

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^*

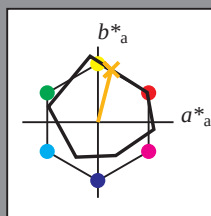
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$	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 $h^* = lab^*h^* = h_{ab}/360 = 0.256$ data for any colour: Data for maximum colour (Ma):

$u_e^* = j00g$
 lab^*rqb^*

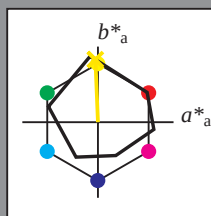
Hue texts:

$$u^*_e = j00q \quad u^*_d = 092y$$

contrast reduction factor:

 $c_D = 1.0$ triangle lightness t^*

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* M_0 : 87 -3 83

LAB*LCU* 07 02 02

LAB'LCH*Ma: 8/ 83 9

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

lab*olv*_Ma: 1.0 0.93 0.0

triangle lightness t^*

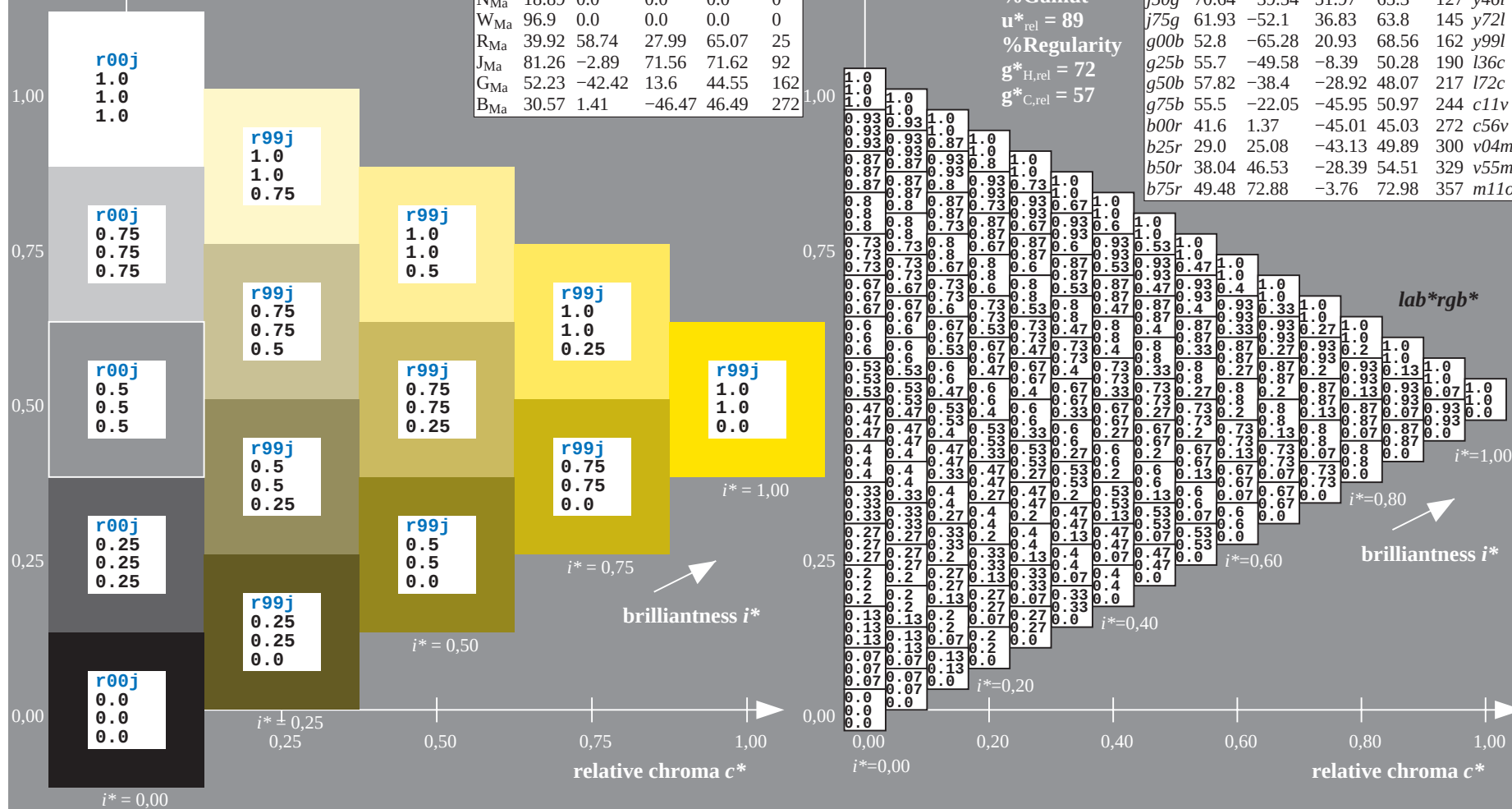
%Gamut

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

%Regularity

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

ORS19_96a; adapted (a) CIELAB data							
u_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>m11d</i>	



BAM registration: 20081001-Ee38/10/L38E00NA.PS/.TXT BAM material: code=rha4ta
+ application for evaluation and measurement of printer or monitor systems

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

data for any colour:

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

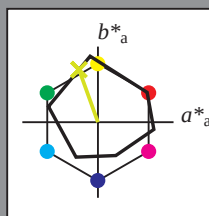
Hue texts:

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

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^*	$C^*_{ab,a}$	$h^*_{ab,a}$
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^*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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

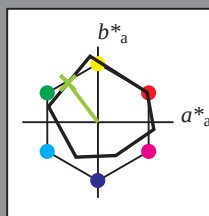
Hue texts:

$u_e^* = j50g$ $u_d^* = y46l$

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

$u_{rel}^* = 89$

% 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^*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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

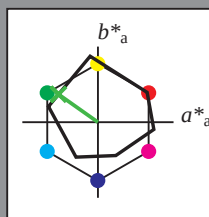
Hue texts:

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

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

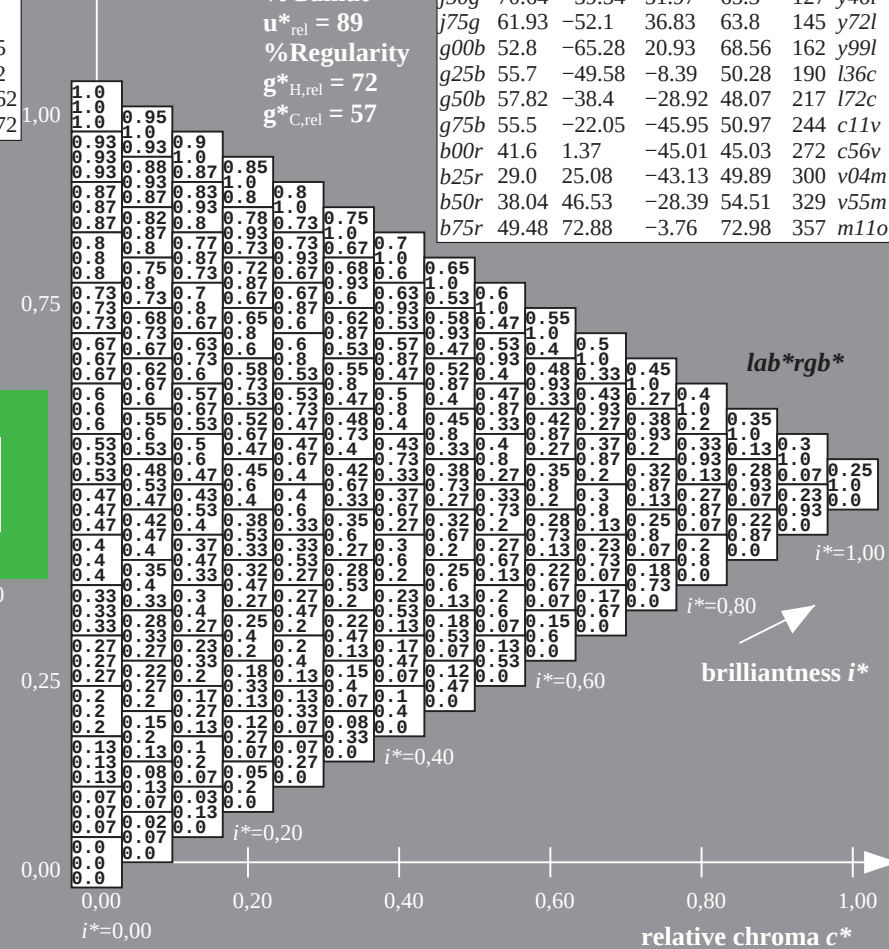
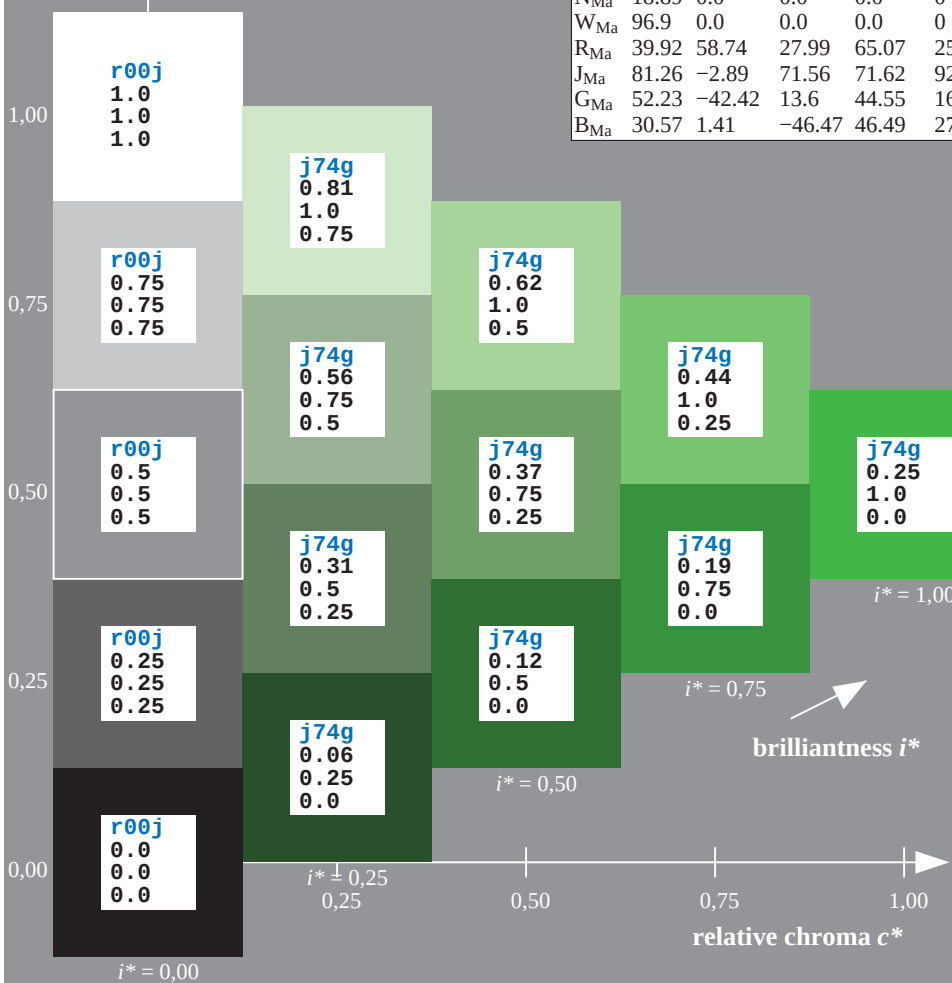
$u^*_{\text{rel}} = 89$

% 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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.527$

data for any colour:

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

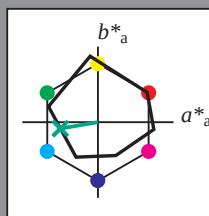
Hue texts:

$u_e^* = g25b$ $u_d^* = l36c$

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):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 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^*	$C^*_{ab,a}$	$h^*_{ab,a}$
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^*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^*

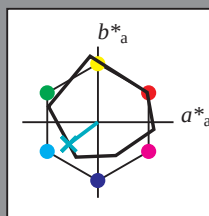
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$	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^*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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.679$

data for any colour:

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

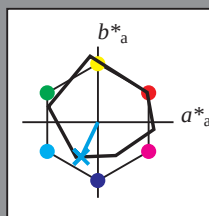
Hue texts:

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

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

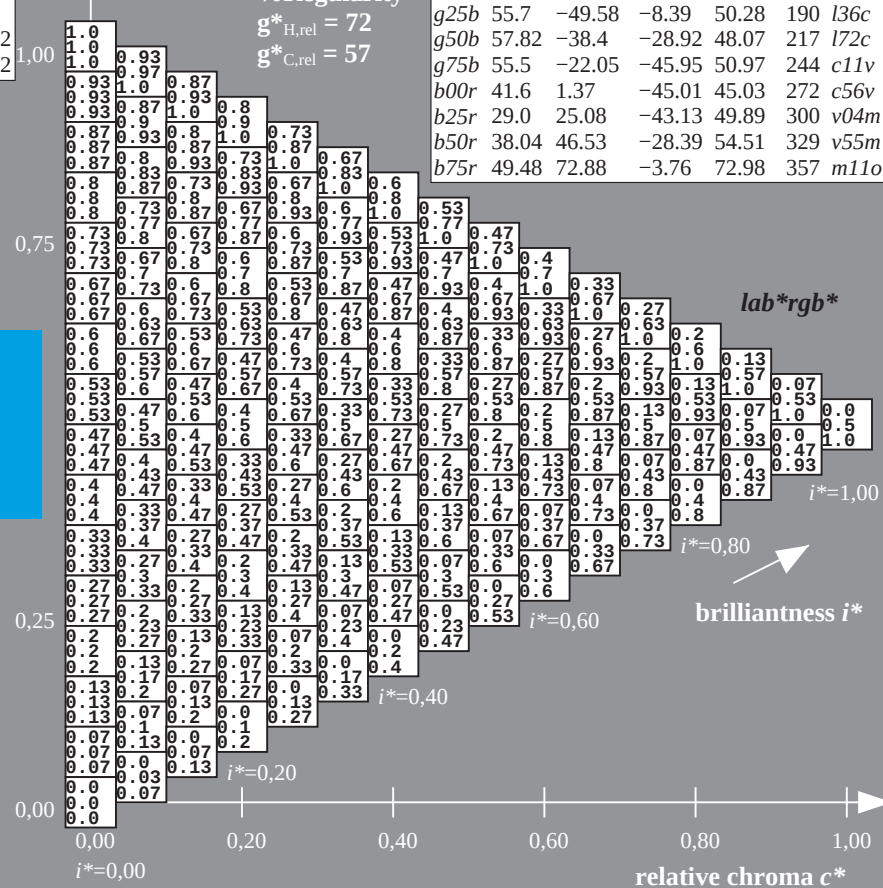
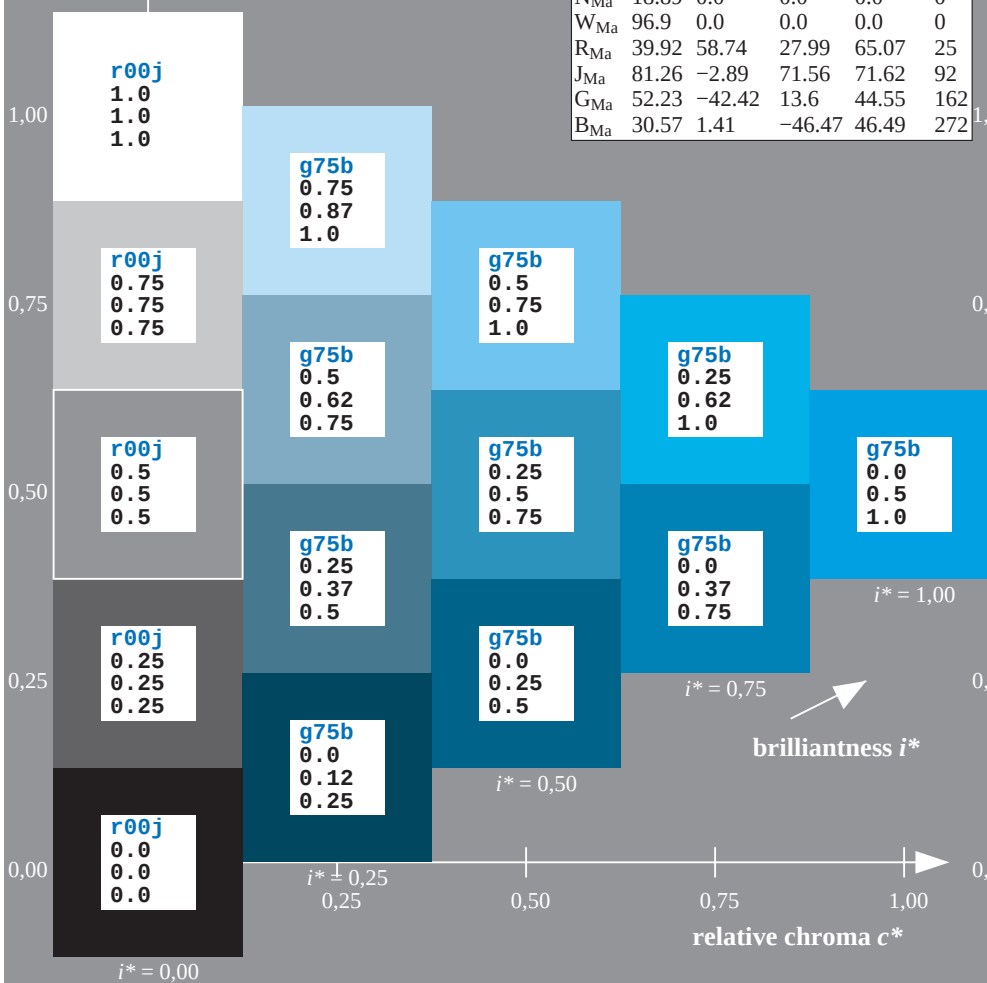
$u^*_{\text{rel}} = 89$

% 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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

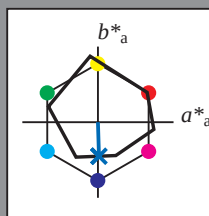
Hue texts:

$u_e^* = b00r$ $u_d^* = c56v$

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^*	$C_{ab,a}^*$	$h_{ab,a}^*$	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):

$\text{LAB}^*\text{LAB}^*\text{Ma}$: 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_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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.834$

data for any colour:

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

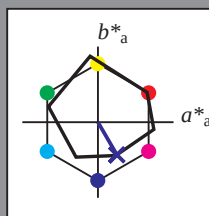
Hue texts:

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

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):

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

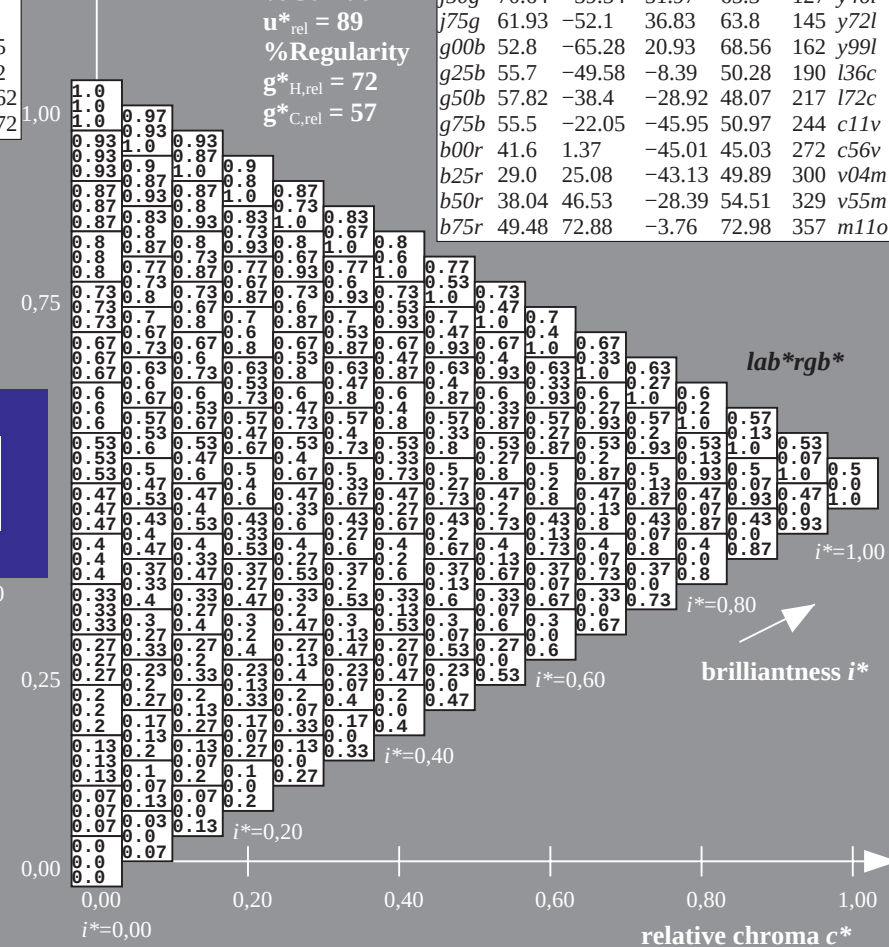
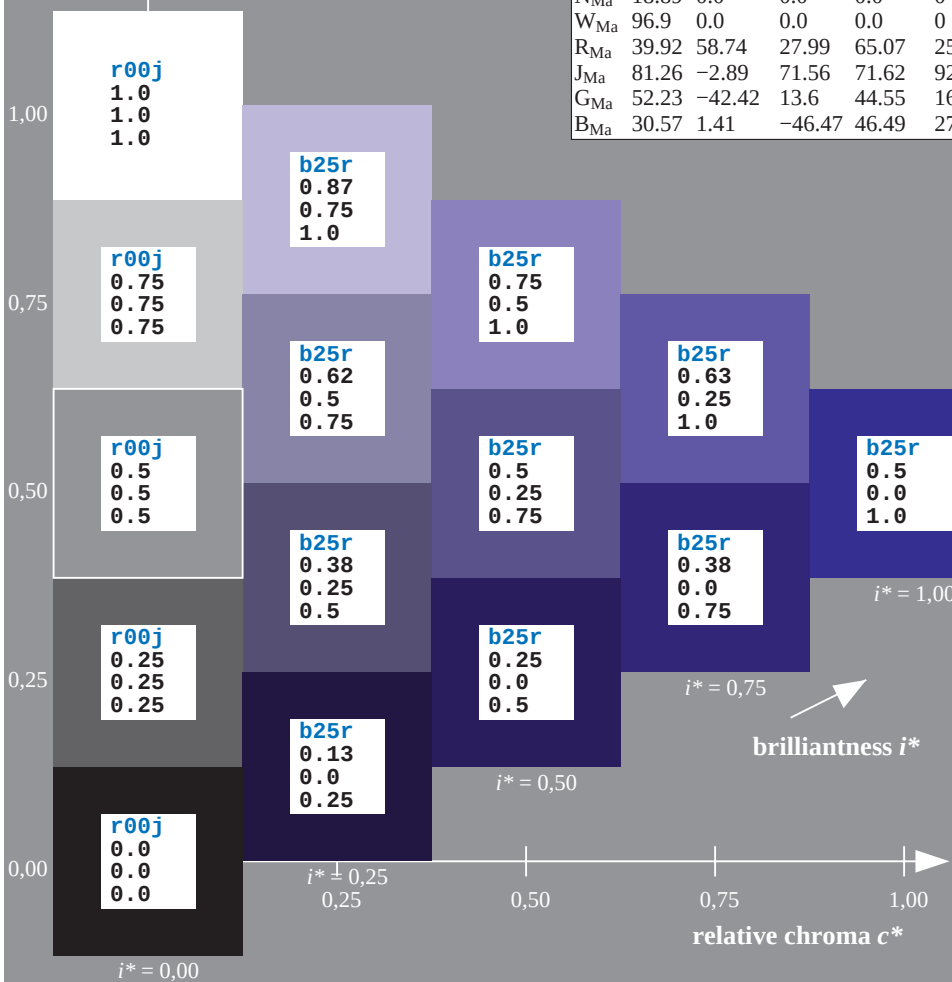
$u_{rel}^* = 89$

% 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



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^*

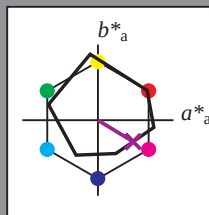
Hue texts:

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

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

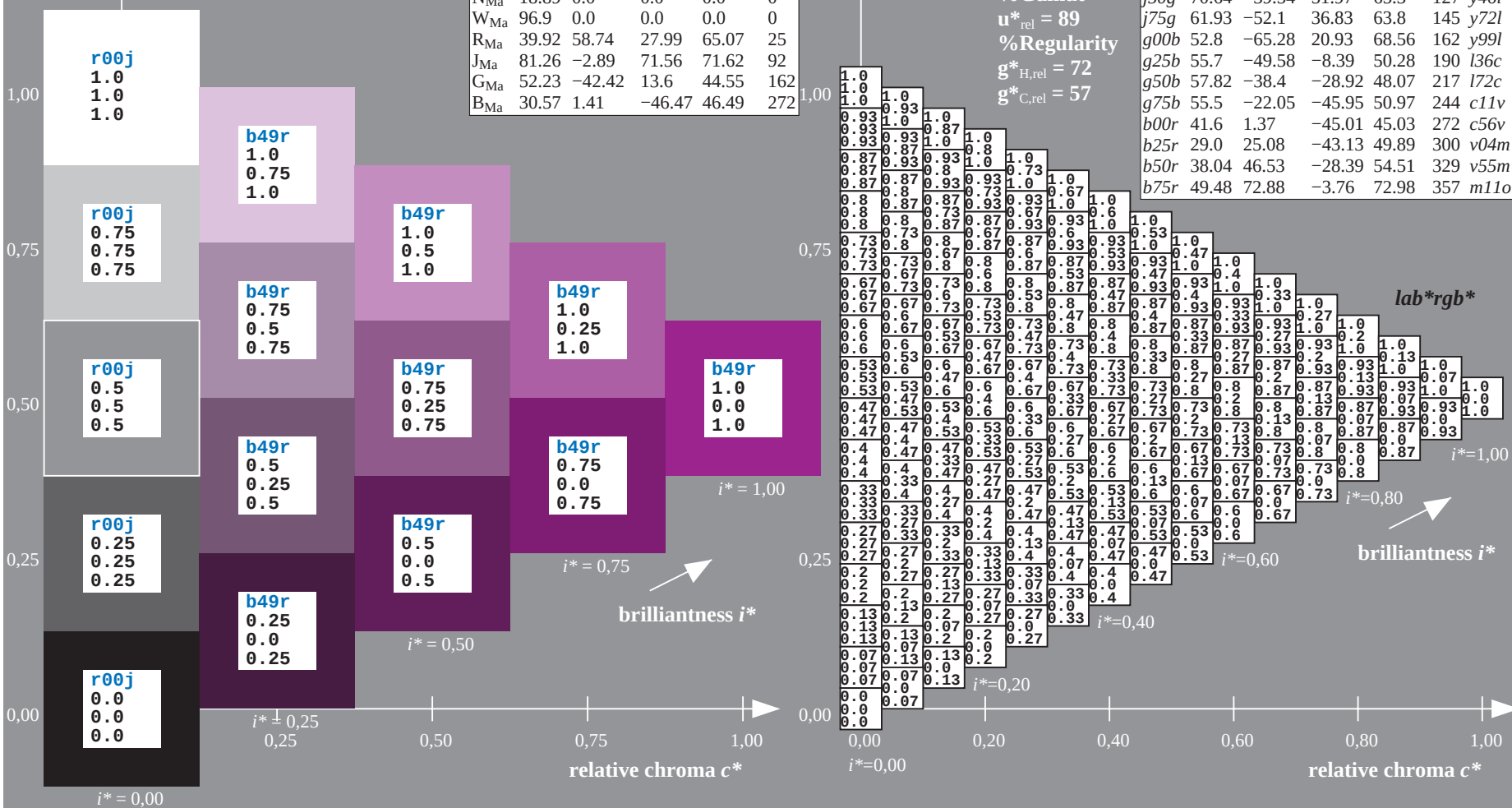
$u^*_{\text{rel}} = 89$

% 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^*

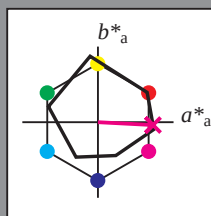
Hue texts:

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

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

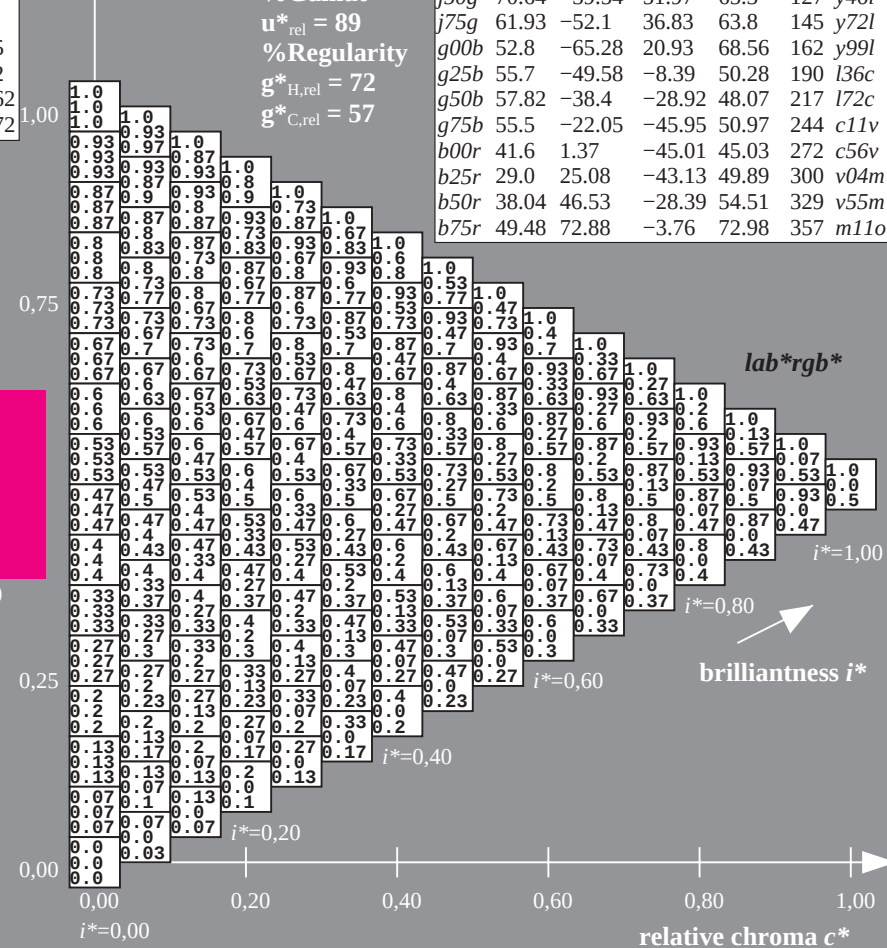
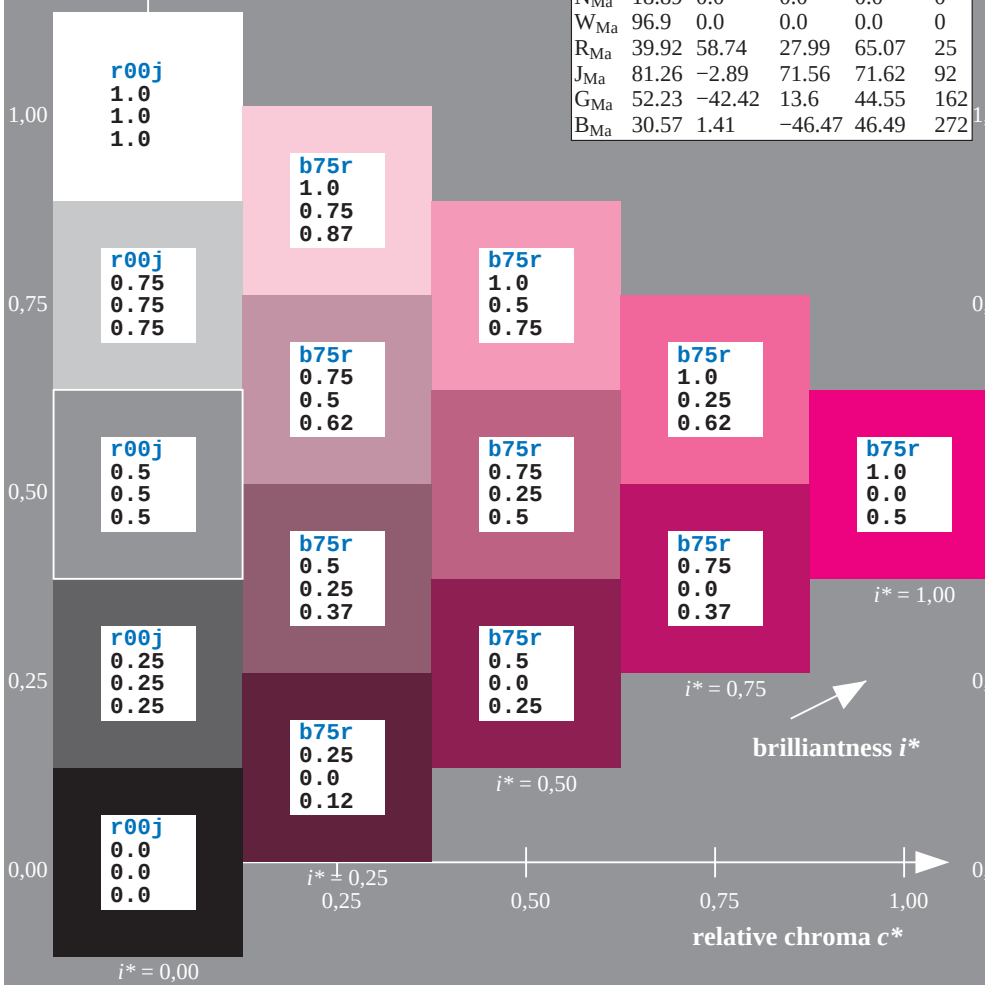
$u^*_{rel} = 89$

% 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

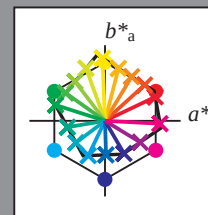


Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:

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

$u^*_{rel} = 89$

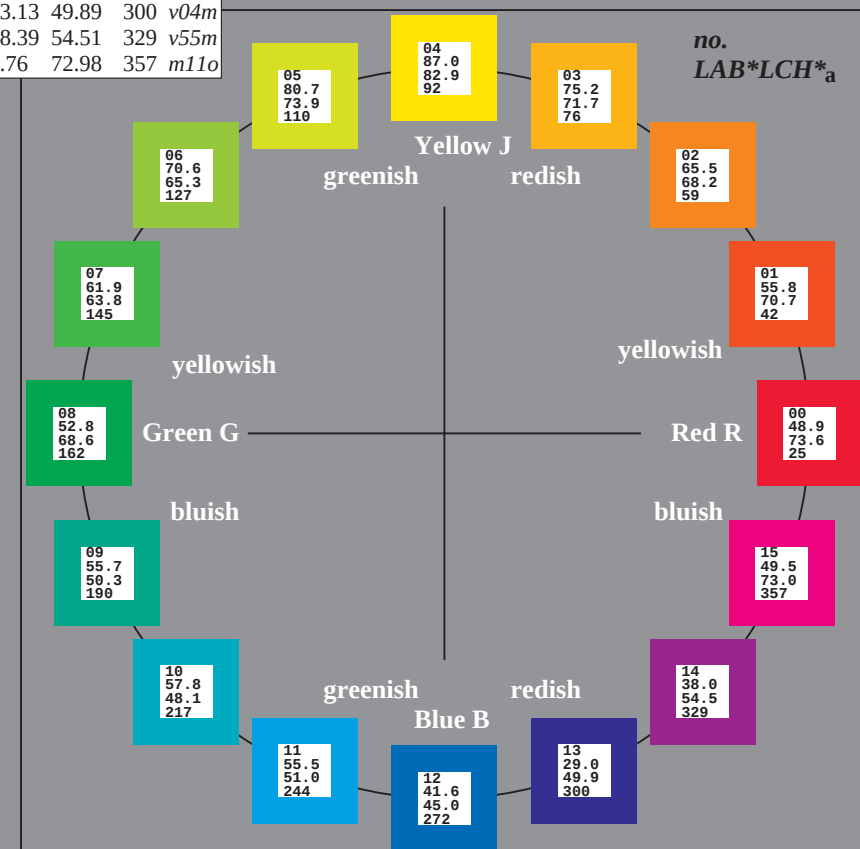
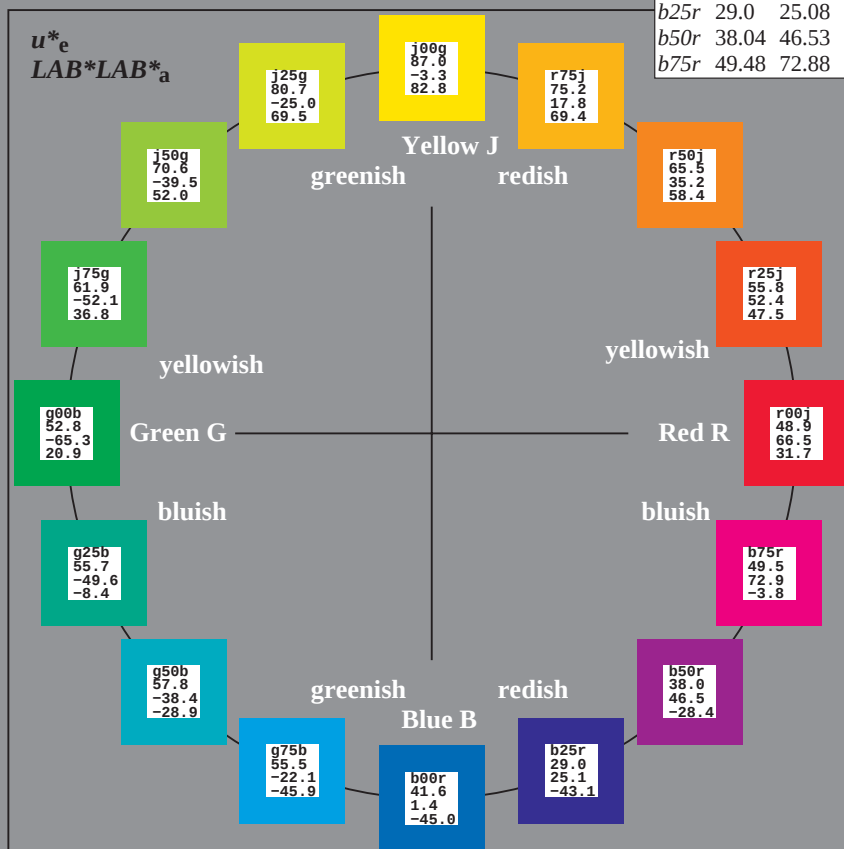
%Regularity

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

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

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^*

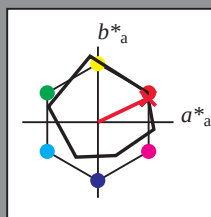
Hue texts:

$u^*_e = r00j$ $u^*_d = m84o$

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

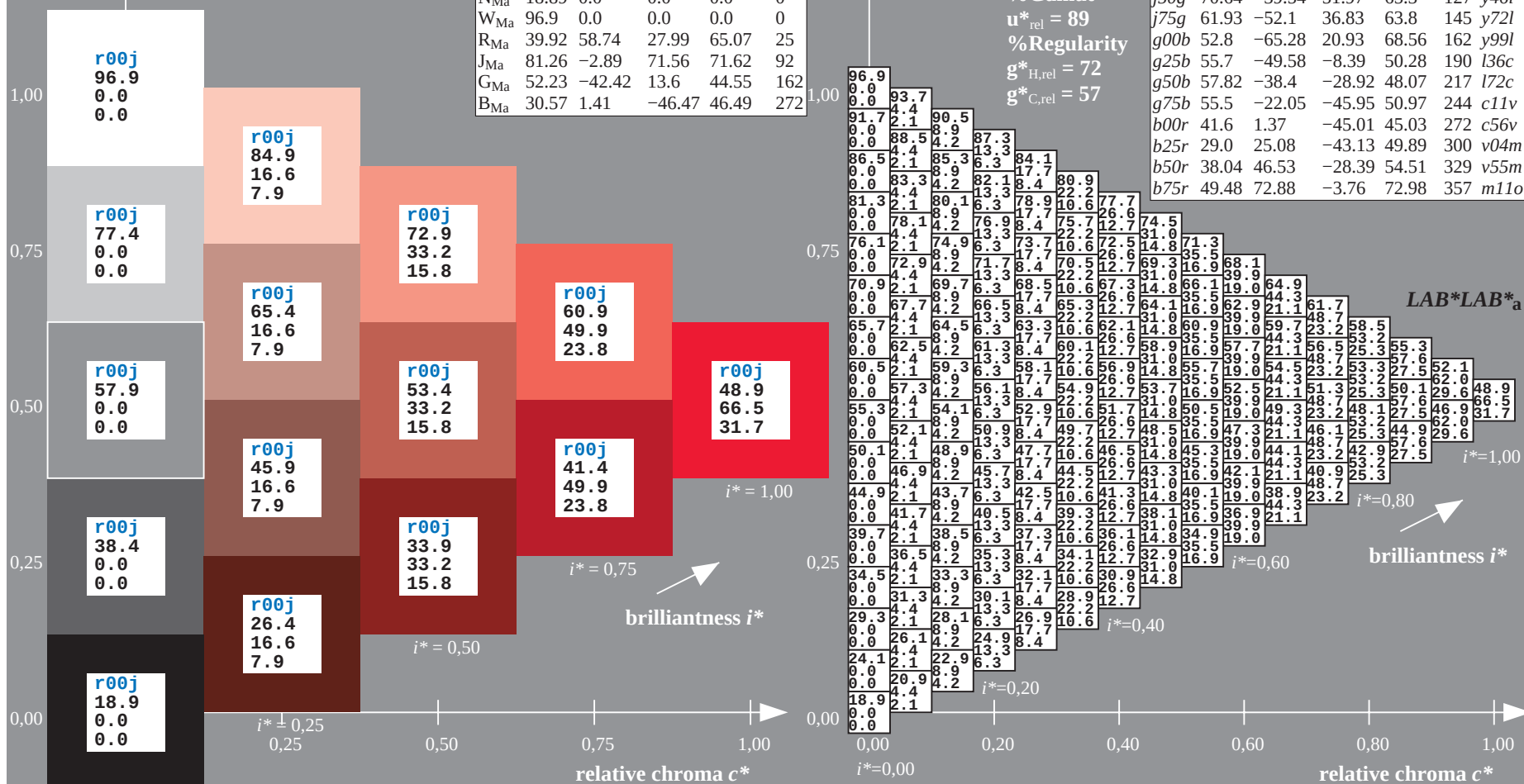
$u^*_{\text{rel}} = 89$

%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 $h^* = lab^*h^* = h_{ab}/360 = 0.117$

data for any colour:

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

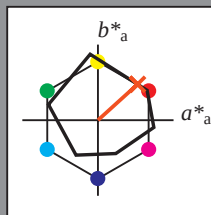
Hue texts:

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

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

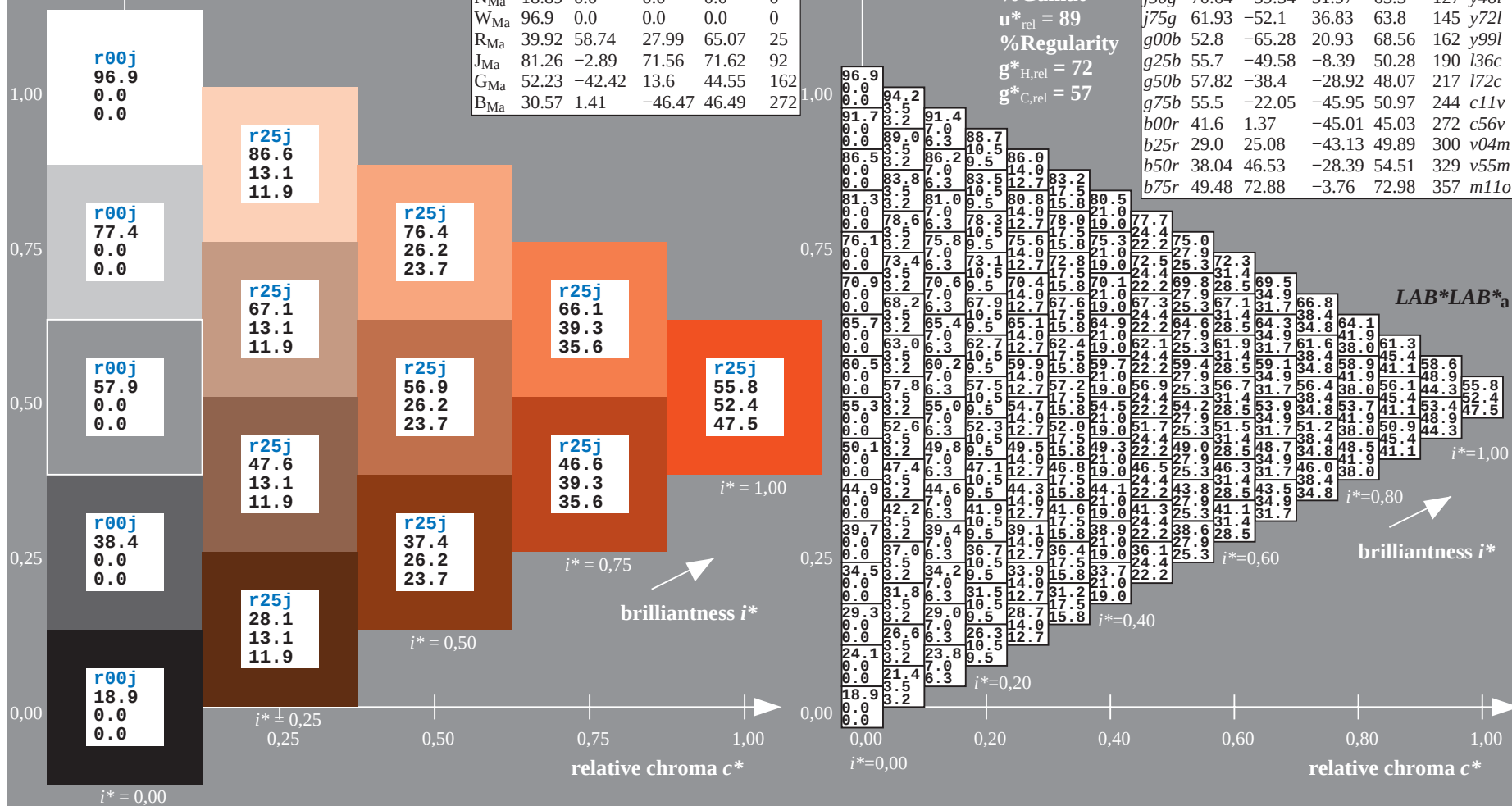
$g^*_{H,rel} = 72$

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

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

$u^*_e = r25j$
 $LAB^*LAB^*_a$



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^*

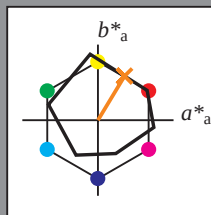
Hue texts:

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

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

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

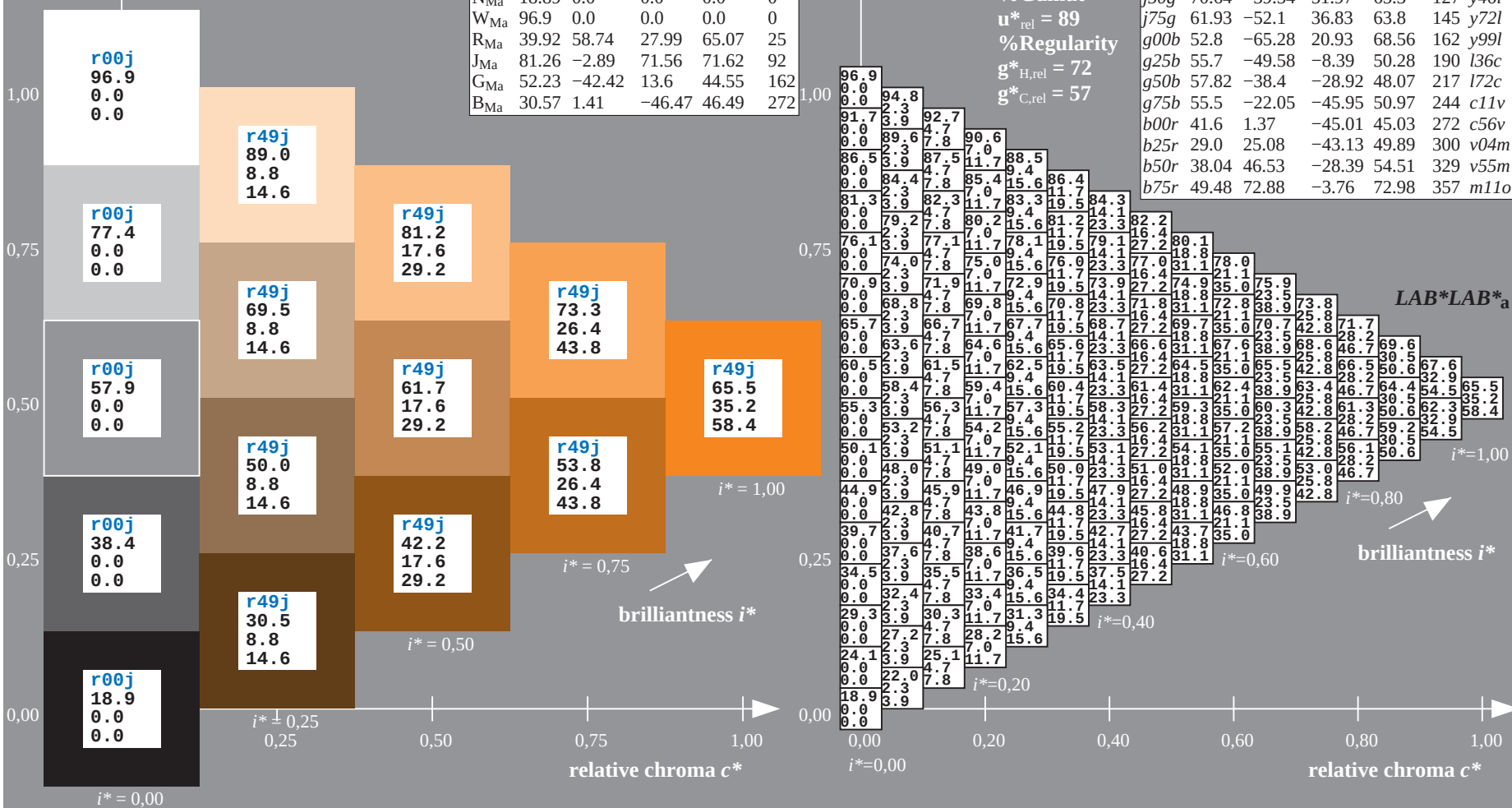
%Regularity

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

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

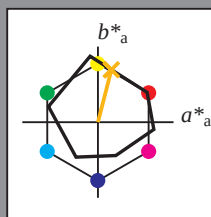
ORS19_96a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	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):

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

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

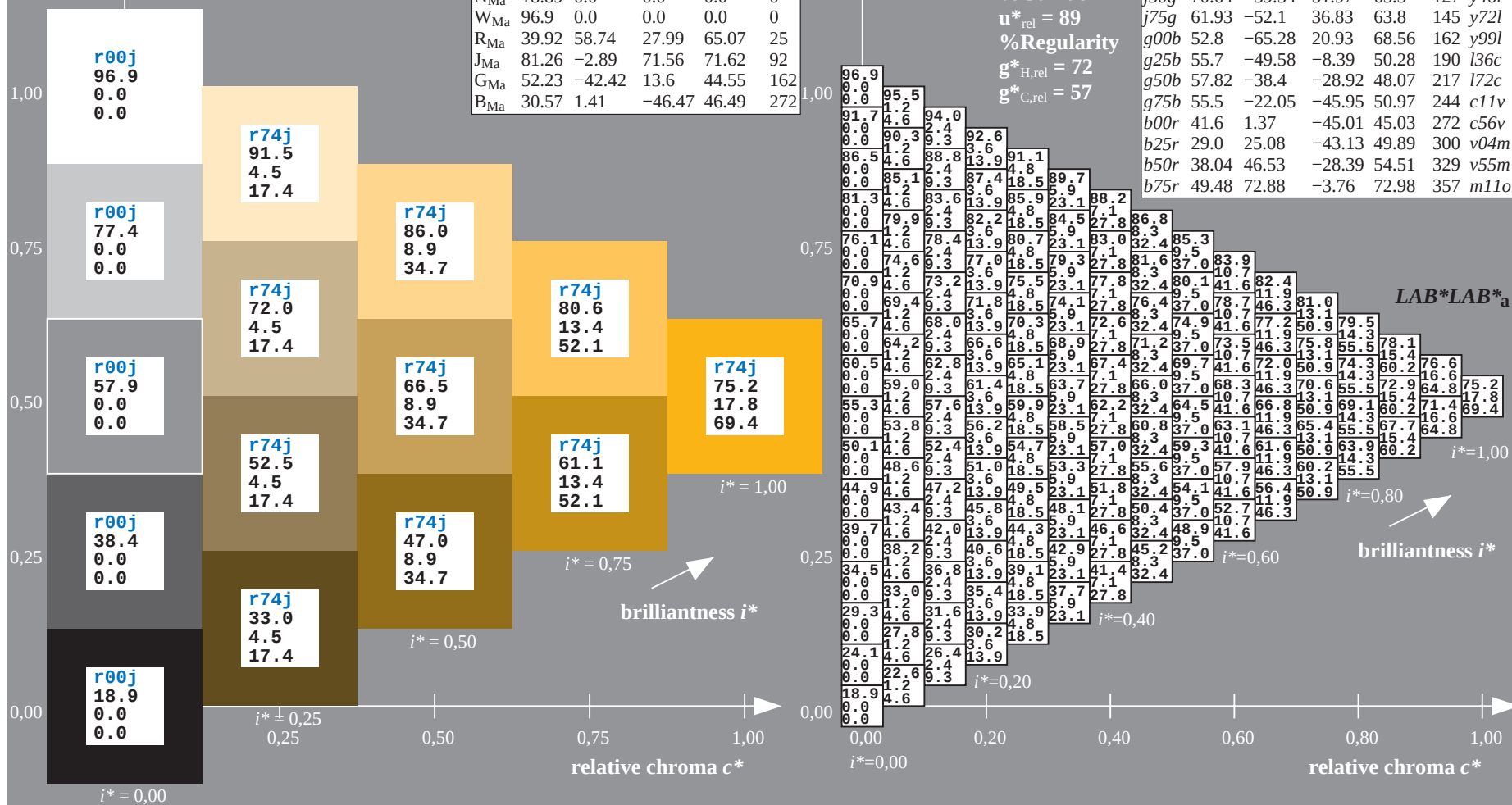
%Regularity

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

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

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

$u^*_e = r75j$
 $\text{LAB}^*\text{LAB}^*_{\text{a}}$



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^*

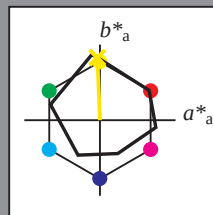
Hue texts:

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

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

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

brilliantness i^*

$i^* = 1.00$

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

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^*

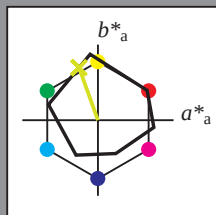
Hue texts:

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

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):

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

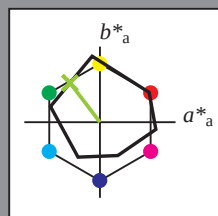
Hue texts:

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

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

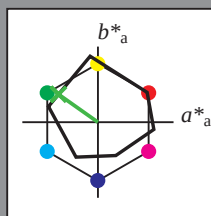
$g^*_{H,rel} = 72$

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

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

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

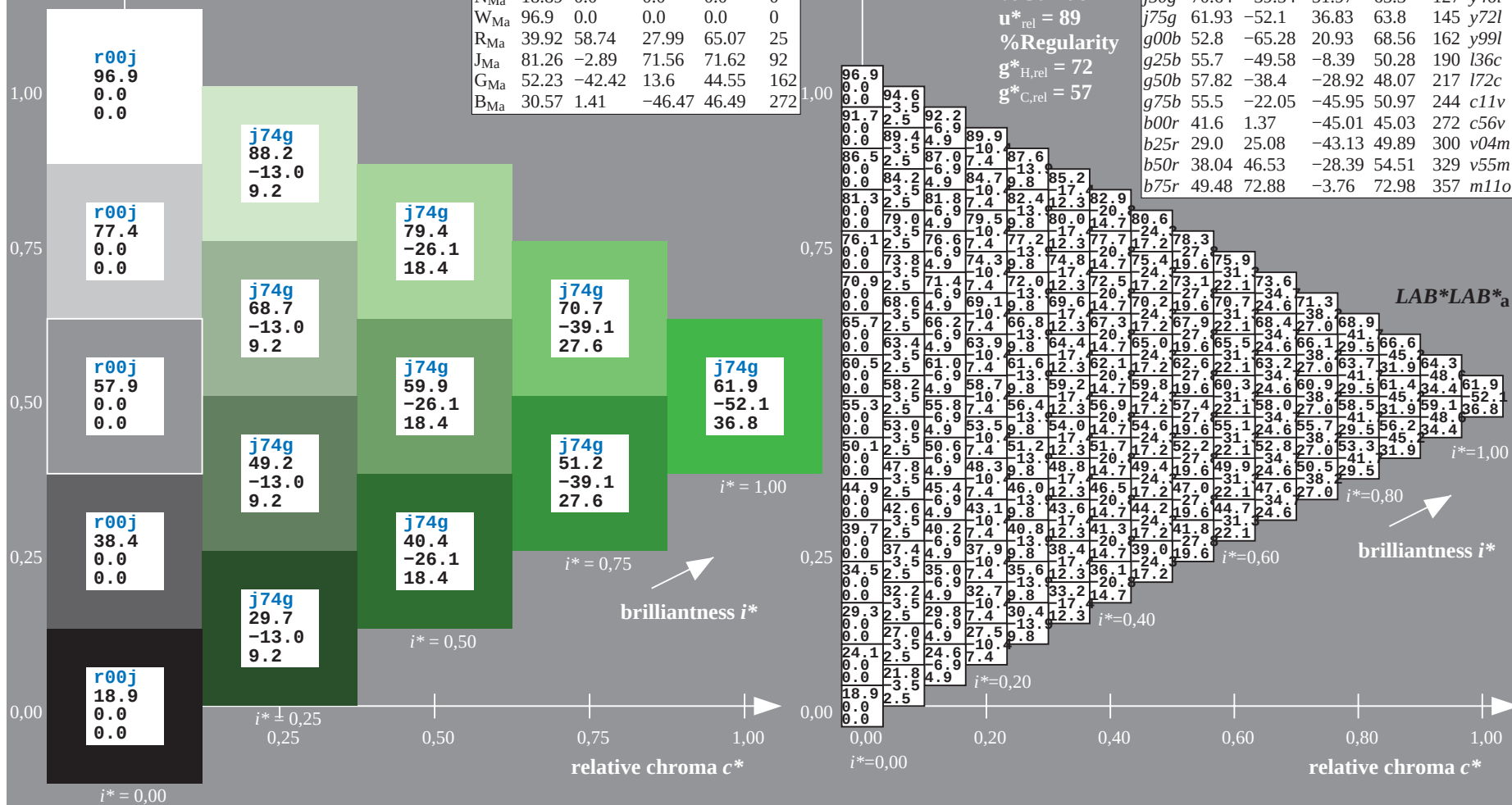
%Regularity

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

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

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

$u^*_e = j75g$
 $\text{LAB}^*\text{LAB}^*_{\text{a}}$



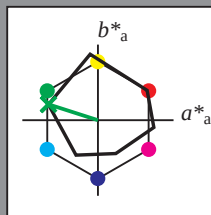
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$ data for any colour:

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

Hue texts:

$$u^*_e = q00b \quad u^*_d = y99l$$

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*Ma: 53 -65 21

LAB*LCH*M₂: 53 69 162

*lab*rag**M₃: 0.0 1.0 0.0

*lab*oly**M₃: 0.0 1.0 0.0

triangle lightness t^*

3 3 3

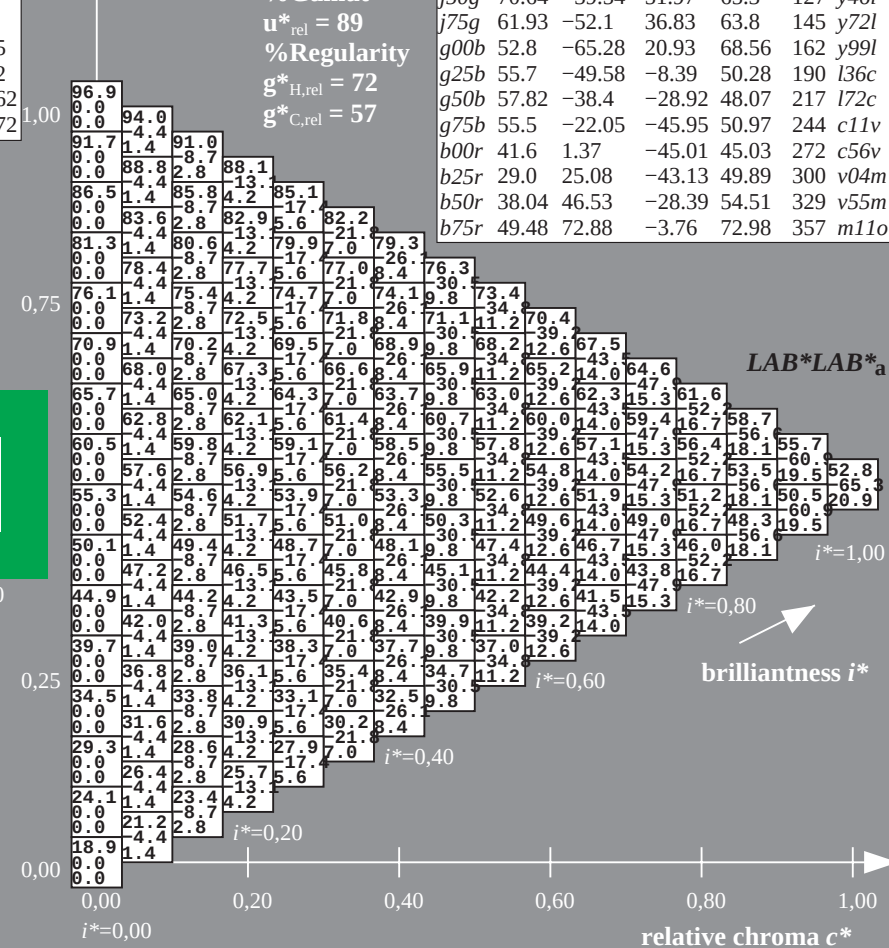
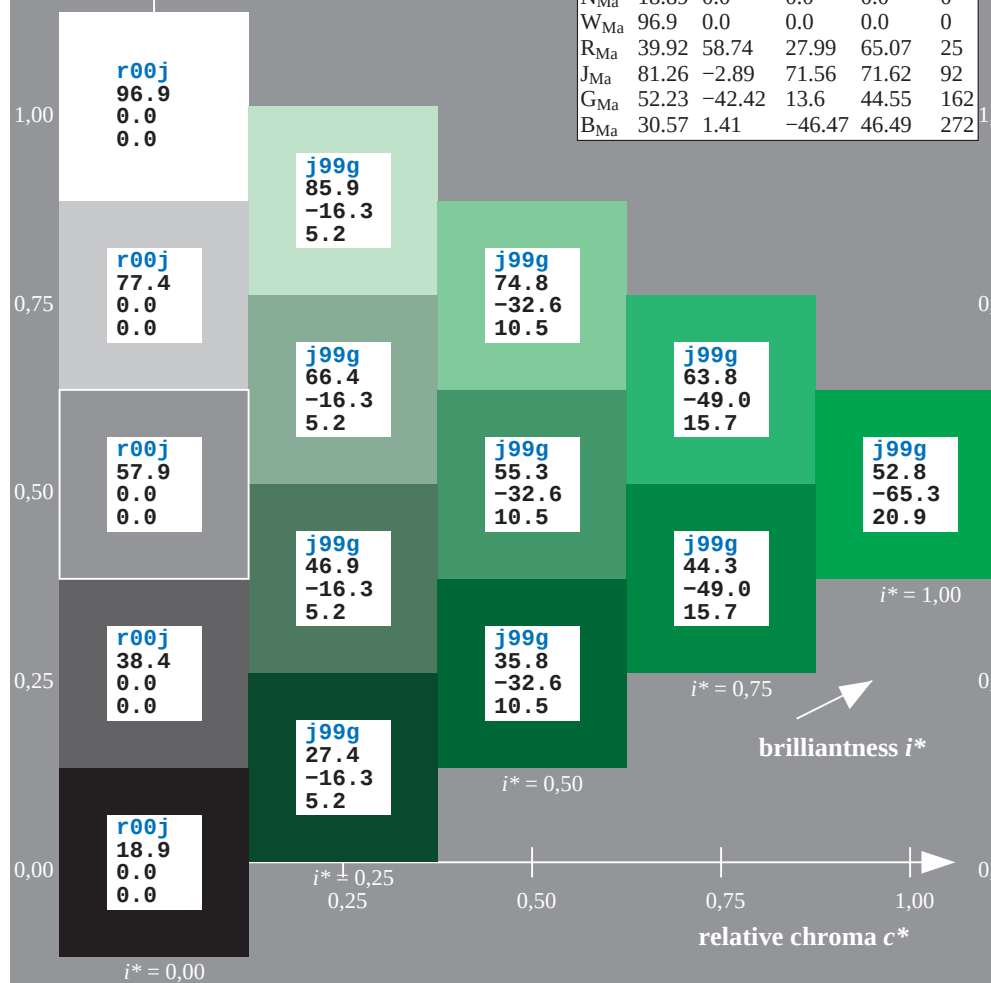
%Gamut

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

%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>	



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^*

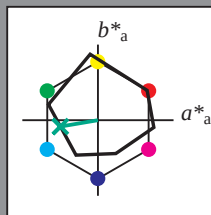
Hue texts:

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

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

O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	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

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

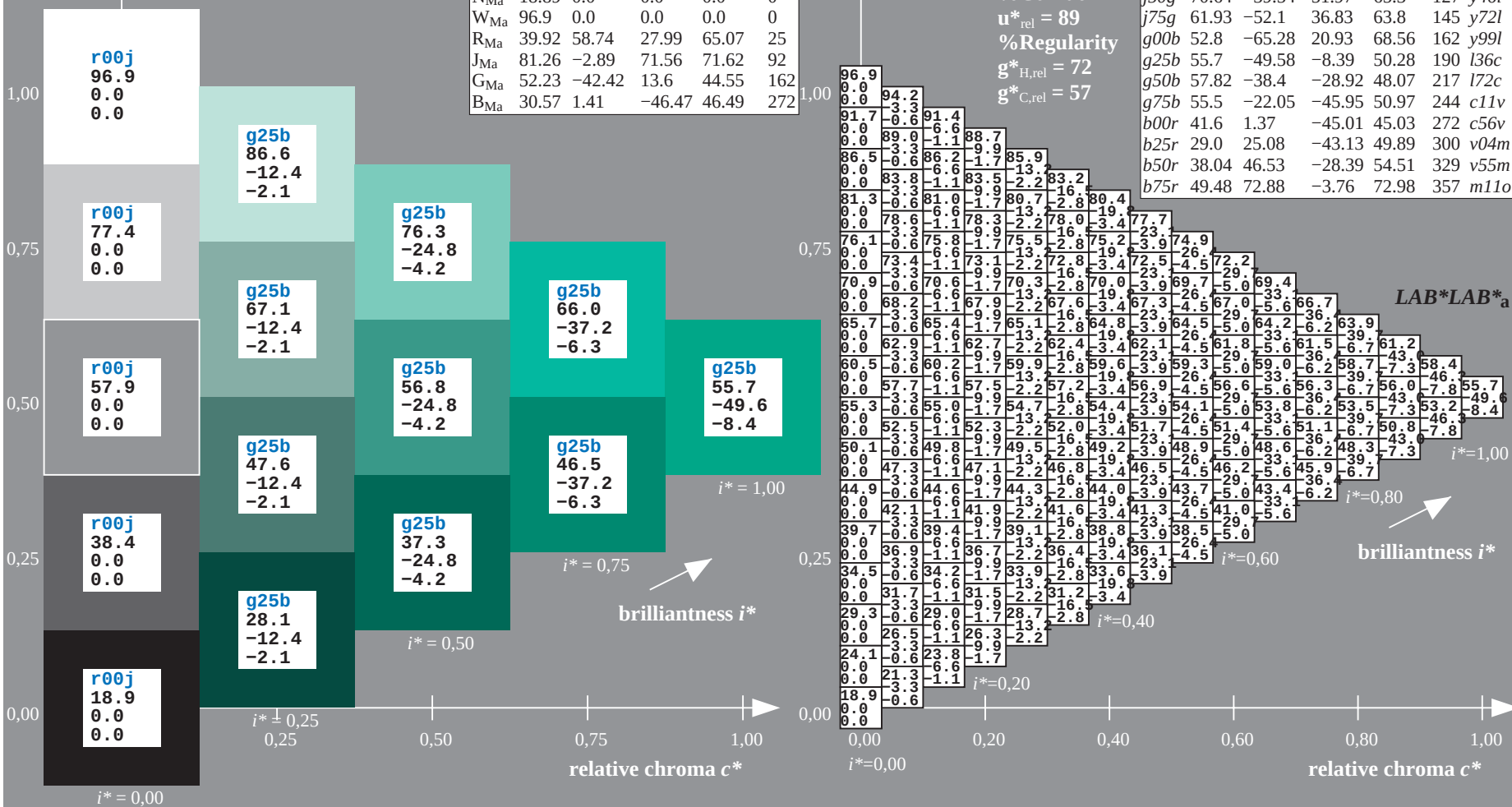
%Regularity

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

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

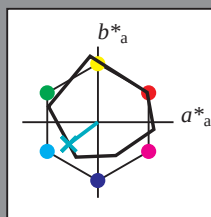
ORS19_96a; adapted (a) CIELAB data
 u^*_e $L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$ u^*_d

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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	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

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

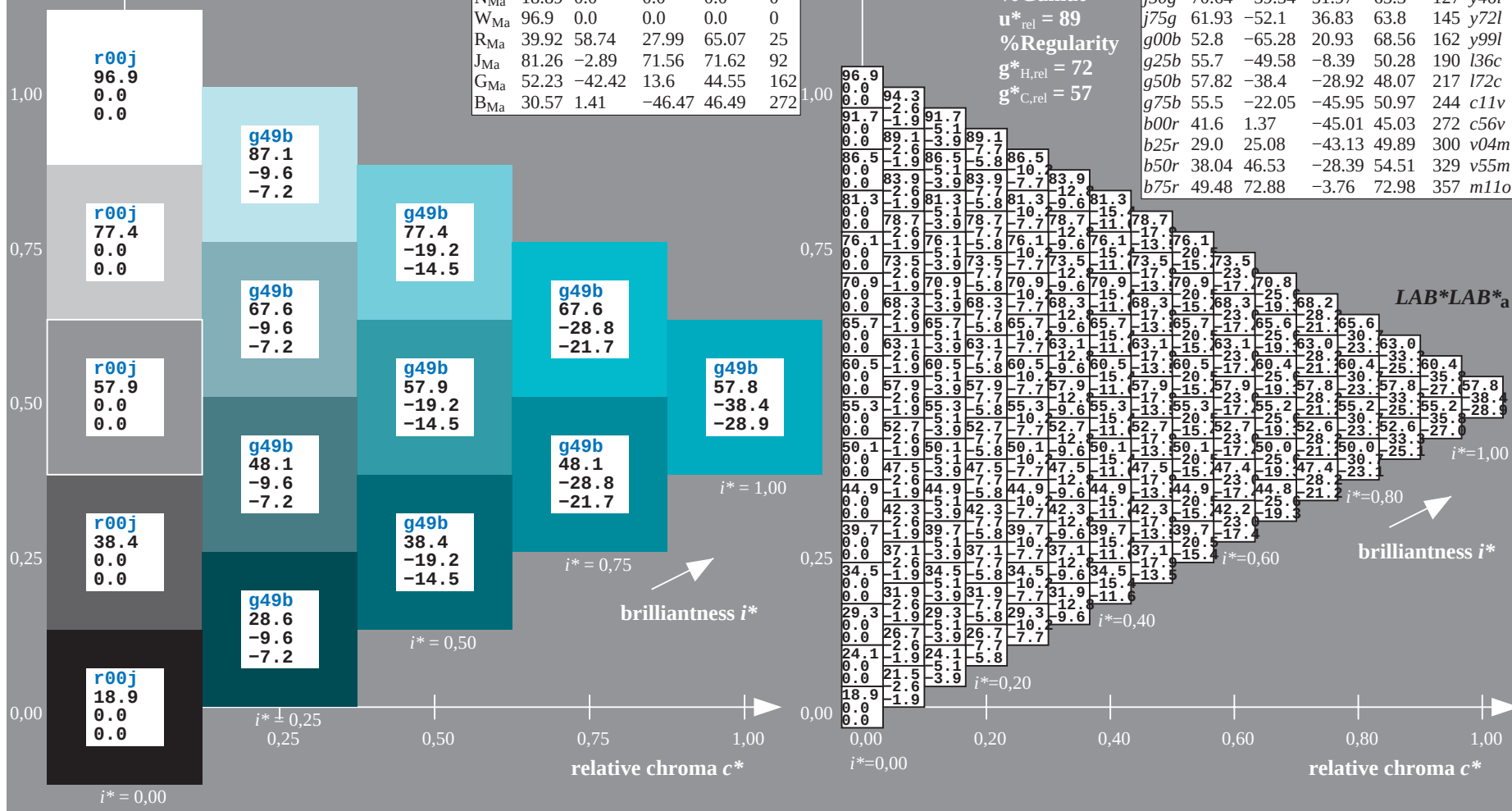
%Regularity

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

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

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

$u^*_e = g50b$
 $\text{LAB}^*\text{LAB}^*_{\text{a}}$



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^*

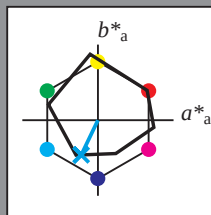
Hue texts:

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

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

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

$i^*=1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

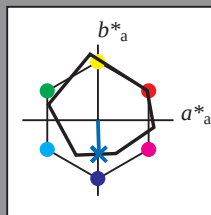
Hue texts:

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

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

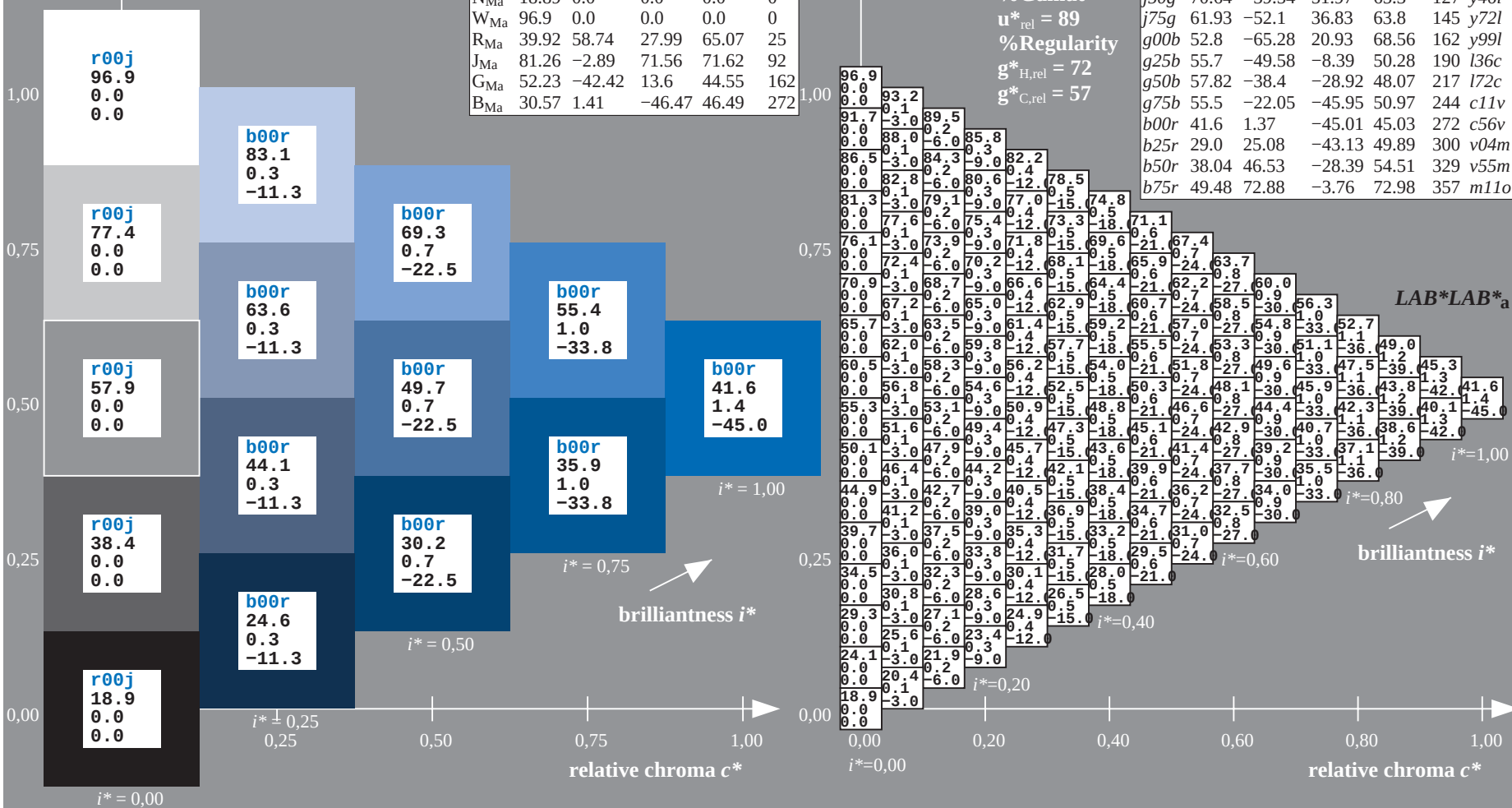
$g^*_{H,\text{rel}} = 72$

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

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

$u^*_e = b00r$
 $\text{LAB}^*\text{LAB}^*_{\text{a}}$



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^*

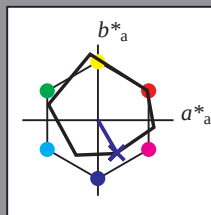
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a^*	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):

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

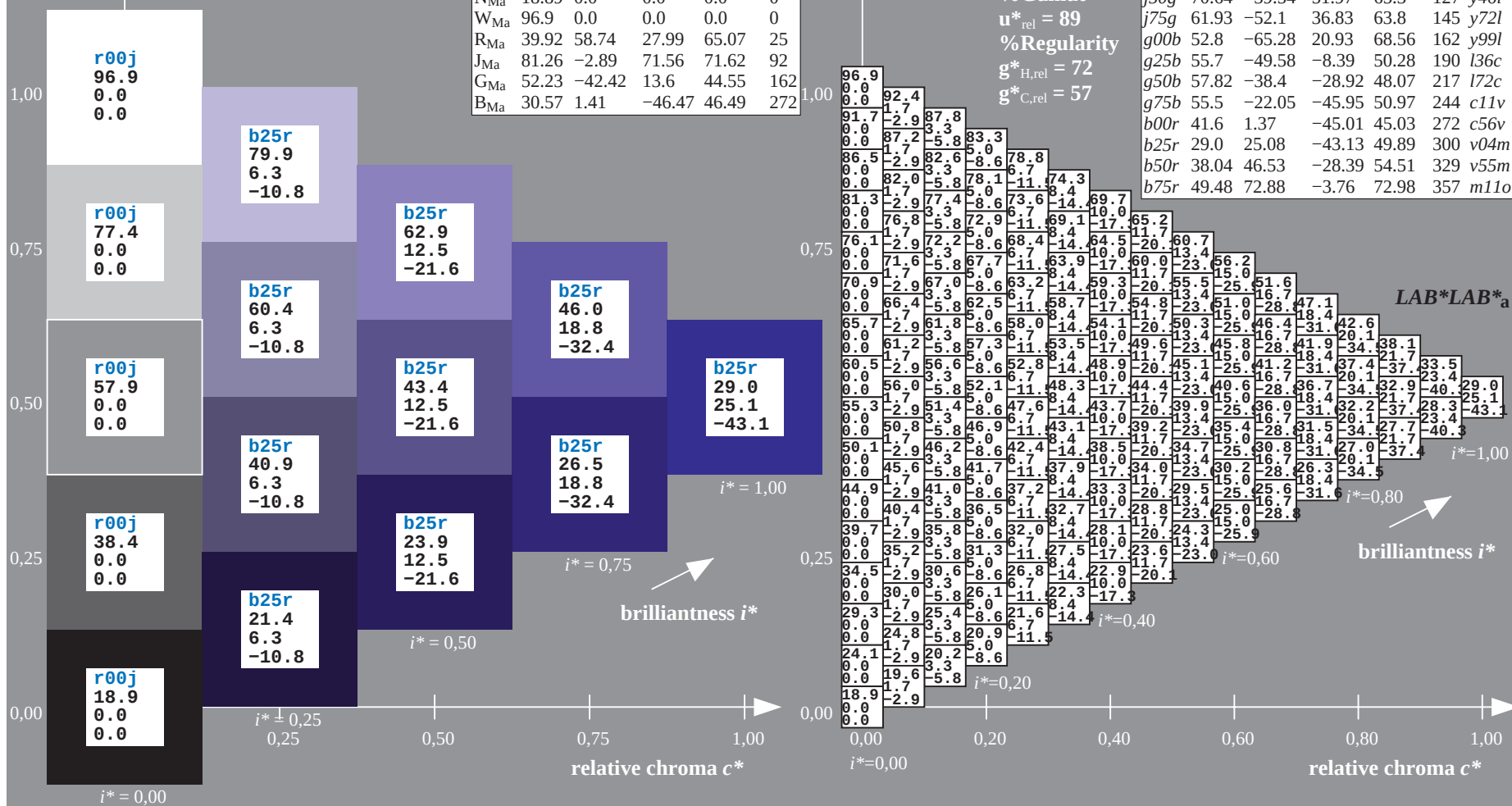
$g^*_{H,\text{rel}} = 72$

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

ORS19_96a; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a^*	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

$u_e^* = b25r$
 $\text{LAB}^*\text{LAB}^*_{\text{a}}$



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

data for any colour:

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

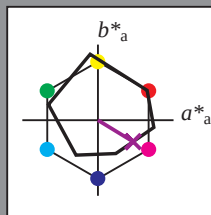
Hue texts:

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

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

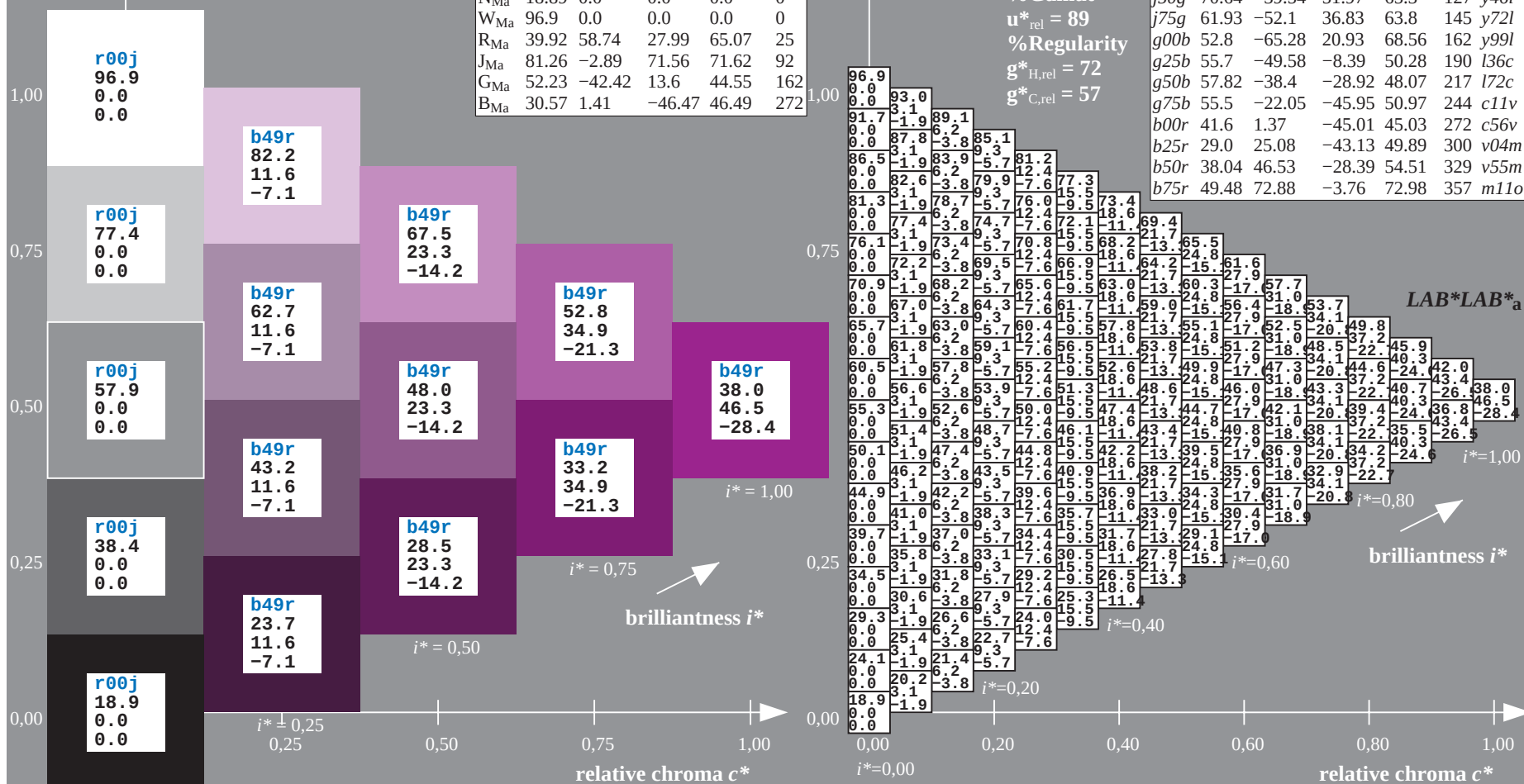
$g^*_{H,\text{rel}} = 72$

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

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^*

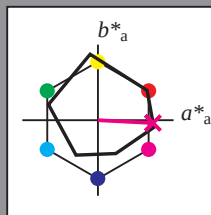
Hue texts:

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

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

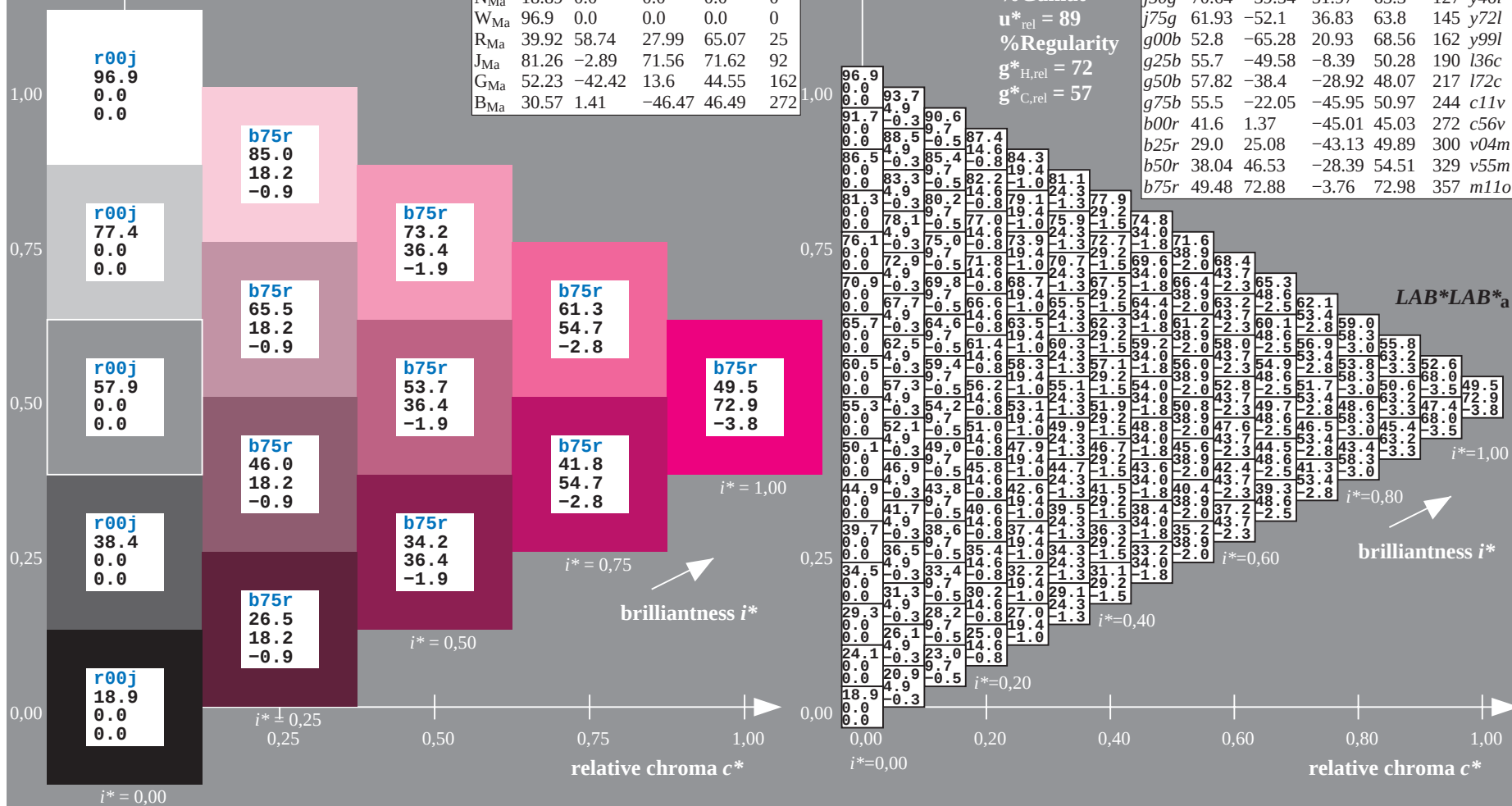
$u^*_{rel} = 89$

%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



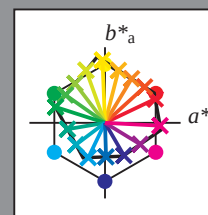
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*	LAB*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
01	18.9	23.1	27.3	31.6	35.8	40.0	44.2	48.5	52.7	57.0	61.3	65.5	69.8	74.0	78.3	82.5	86.8	91.0	95.3	99.5	103.8	108.0	112.3	116.5	120.8	125.0	129.3	133.5	137.8	142.0	146.3	150.5	154.8	159.0	163.3	167.5	171.8	176.0	180.3	184.5	188.8	193.0	197.3	201.5	205.8	210.0	214.3	218.5	222.8	227.0	231.3	235.5	239.8	244.0	248.3	252.5	256.8	261.0	265.3	269.5	273.8	278.0	282.3	286.5	290.8	295.0	299.3	303.5	307.8	312.0	316.3	320.5	324.8	329.0	333.3	337.5	341.8	346.0	350.3	354.5	358.8	363.0	367.3	371.5	375.8	380.0	384.3	388.5	392.8	397.0	401.3	405.5	409.8	414.0	418.3	422.5	426.8	431.0	435.3	439.5	443.8	448.0	452.3	456.5	460.8	465.0	469.3	473.5	477.8	482.0	486.3	490.5	494.8	499.0	503.3	507.5	511.8	516.0	520.3	524.5	528.8	533.0	537.3	541.5	545.8	550.0	554.3	558.5	562.8	567.0	571.3	575.5	579.8	584.0	588.3	592.5	596.8	601.0	605.3	609.5	613.8	618.0	622.3	626.5	630.8	635.0	639.3	643.5	647.8	652.0	656.3	660.5	664.8	669.0	673.3	677.5	681.8	686.0	690.3	694.5	698.8	703.0	707.3	711.5	715.8	720.0	724.3	728.5	732.8	737.0	741.3	745.5	749.8	754.0	758.3	762.5	766.8	771.0	775.3	779.5	783.8	788.0	792.3	796.5	800.8	805.0	809.3	813.5	817.8	822.0	826.3	830.5	834.8	839.0	843.3	847.5	851.8	856.0	860.3	864.5	868.8	873.0	877.3	881.5	885.8	890.0	894.3	898.5	902.8	907.0	911.3	915.5	919.8	924.0	928.3	932.5	936.8	941.0	945.3	949.5	953.8	958.0	962.3	966.5	970.8	975.0	979.3	983.5	987.8	992.0	996.3	1000.5	1004.8	1009.0	1013.3	1017.5	1021.8	1026.0	1030.3	1034.5	1038.8	1043.0	1047.3	1051.5	1055.8	1060.0	1064.3	1068.5	1072.8	1077.0	1081.3	1085.5	1089.8	1094.0	1098.3	1102.5	1106.8	1111.0	1115.3	1119.5	1123.8	1128.0	1132.3	1136.5	1140.8	1145.0	1149.3	1153.5	1157.8	1162.0	1166.3	1170.5	1174.8	1179.0	1183.3	1187.5	1191.8	1196.0	1200.3	1204.5	1208.8	1213.0	1217.3	1221.5	1225.8	1230.0	1234.3	1238.5	1242.8	1247.0	1251.3	1255.5	1259.8	1264.0	1268.3	1272.5	1276.8	1281.0	1285.3	1289.5	1293.8	1298.0	1302.3	1306.5	1310.8	1315.0	1319.3	1323.5	1327.8	1332.0	1336.3	1340.5	1344.8	1349.0	1353.3	1357.5	1361.8	1366.0	1370.3	1374.5	1378.8	1383.0	1387.2	1391.5	1395.8	1399.9	1404.3	1408.5	1412.8	1417.0	1421.3	1425.5	1429.8	1434.0	1438.3	1442.5	1446.8	1451.0	1455.3	1459.5	1463.8	1468.0	1472.3	1476.5	1480.8	1485.0	1489.3	1493.5	1497.8	1502.0	1506.3	1510.5	1514.8	1519.0	1523.3	1527.5	1531.8	1536.0	1540.3	1544.5	1548.8	1553.0	1557.3	1561.5	1565.8	1570.0	1574.3	1578.5	1582.8	1587.0	1591.3	1595.5	1599.8	1604.0	1608.3	1612.5	1616.8	1621.0	1625.3	1629.5	1633.8	1638.0	1642.3	1646.5	1650.8	1655.0	1659.3	1663.5	1667.8	1672.0	1676.3	1680.5	1684.8	1689.0	1693.3	1697.5	1701.8	1706.0	1710.3	1714.5	1718.8	1723.0	1727.3	1731.5	1735.8	1740.0	1744.3	1748.5	1752.8	1757.0	1761.3	1765.5	1769.8	1774.0	1778.3	1782.5	1786.8	1791.0	1795.3	1799.5	1803.8	1808.0	1812.3	1816.5	1820.8	1825.0	1829.3	1833.5	1837.8	1842.0	1846.3	1850.5	1854.8	1859.0	1863.3	1867.5	1871.8	1876.0	1880.3	1884.5	1888.8	1893.0	1897.3	1901.5	1905.8	1909.9	1914.3	1918.5	1922.8	1927.0	1931.3	1935.5	1939.8	1944.0	1948.3	1952.5	1956.8	1961.0	1965.3	1969.5	1973.8	1978.0	1982.3	1986.5	1990.8	1995.0	1999.3	2003.5	2007.8	2012.0	2016.3	2020.5	2024.8	2029.0	2033.3	2037.5	2041.8	2046.0	2050.3	2054.5	2058.8	2063.0	2067.3	2071.5	2075.8	2080.0	2084.3	2088.5	2092.8	2097.0	2101.3	2105.5	2109.8	2114.0	2118.3	2122.5	2126.8	2131.0	2135.3	2139.5	2143.8	2148.0	2152.3	2156.5	2160.8	2165.0	2169.3	2173.5	2177.8	2182.0	2186.3	2190.5	2194.8	2199.0	2203.3	2207.5	2211.8	2216.0	2220.3	2224.5	2228.8	2233.0	2237.3	2241.5	2245.8	2250.0	2254.3	2258.5	2262.8	2267.0	2271.3	2275.5	2279.8	2284.0	2288.3	2292.5	2296.8	2301.0	2305.3	2309.5	2313.8	2318.0	2322.3	2326.5	2330.8	2335.0	2339.3	2343.5	2347.8	2352.0	2356.3	2360.5	2364.8	2369.0	2373.3	2377.5	2381.8	2386.0	2390.3	2394.5	2398.8	2403.0	2407.3	2411.5	2415.8	2420.0	2424.3	2428.5	2432.8	2437.0	2441.3	2445.5	2449.8	2454.0	2458.2	2462.5	2466.8	2471.0	2475.3	2479.5	2483.8	2488.0	2492.3	2496.5	2500.8	2505.0	2509.3	2513.5	2517.8	2522.0	2526.3	2530.5	2534.8	2539.0	2543.3	2547.5	2551.8	2556.0	2560.3	2564.5	2568.8	2573.0	2577.3	2581.5	2585.8	2590.0	2594.3	2598.5	2602.8	2607.0	2611.3	2615.5	2619.8	2624.0	2628.3	2632.5	2636.8	2641.0	2645.3	2649.5	2653.8	2658.0	2662.3	2666.5	2670.8	2675.0	2679.3	2683.5	2687.8	2692.0	2696.3	2700.5	2704.8	2709.0	2713.3	2717.5	2721.8	2726.0	2730.3	2734.5	2738.8	2743.0	2747.3	2751.5	2755.8	2760.0	2764.3	2768.5	2772.8	2777.0	2781.3	2785.5	2789.8	2794.0	2798.3	2802.5	2806.8	2811.0	2815.3	2819.5	2823.8	2828.0	2832.3	2836.5	2840.8	2845.0	2849.3	2853.5	2857.8	2862.0	2866.3	2870.5	2874.8	2879.0	2883.3	2887.5	2891.8	2896.0	2900.3	2904.5	2908.8	2913.0	2917.3	2921.5	2925.8	2930.0	2934.3	2938.5	2942.8	2947.0	2951.3	2955.5	2959.8	2964.0	2968.3	2972.5	2976.8	2981.0	2985.3	2989.5	2993.8	2998.0	3002.3	3006.5	3010.8	3015.0	3019.3	3023.5	3027.8	3032.0	3036.3	3040.5	3044.8	3049.0	3053.3	3057.5	3061.8	3066.0	3070.3	3074.5	3078.8	3083.0	3087.2	3091.5	3095.8	3099.9	3104.3	3108.5	3112.8	3117.0	3121.3	3125.5	3129.8	3134.0	3138.3	3142.5	3146.8	3151.0	3155.3	3159.5	3163.8	3168.0	3172.3	3176.5	3180.8	3185.0	3189.3	3193.5	3197.8	3202.0	3206.3	3210.5	3214.8	3219.0	3223.3	3227.5	3231.8	3236.0	3240.3	3244.5	3248.8	3253.0	3257.3	3261.5	3265.8	3270.0	3274.3	3278.5	3282.8	3287.0	3291.3	3295.5	3299.8	3304.0	3308.3	3312.5	3316.8	3321.0	3325.3	3329.5	3333.8	3338.0	3342.3	3346.5	3350.8	3355.0	3359.3	3363.5	3367.8	3372.0	3376.3	3380.5	3384.8	3389.0	3393.3	3397.5	3401.8	3406.0	3410.3	3414.5	3418.8	3423.0	3427.3	3431.5	3435.8	3440.0	3444.3	3448.5	3452.8	3457.0	3461.3	3465.5	3469.8	3474.0	3478.3	3482.5	3486.8	3491.0	3495.3	3499.5	3503.8	3508.0	3512.3	3516.5	3520.8	3525.0	3529.3	3533.5	3537.8	3542.0	3546.3	3550.5	3554.8	3559.0	3563.3	3567.5	3571.8	3576.0	3580.3	3584.5	3588.8	3593.0	3597.3	3601.5	3605.8	3609.9	3614.3	3618.5	3622.8	3627.0	3631.3	3635.5	3639.8	3644.0	3648.3	3652.5	3656.8	3661.0	3665.3	3669.5	3673.8	3678.0	3682.3	3686.5	3690.8	3695.0	3699.3	3703.5	3707.8	3712.0	3716.3	3720.5	3724.8	3729.0	3733.3	3737.5	3741.8	3746.0	3750.3	3754.5	3758.8	3763.0	3767.3	3771.5	3775.8	3780.0	3784.3	3788.5	3792.8	3797.0	3801.3	3805.5	3809.8	3814.0	3818.3	3822.5	3826.8	3831.0	3835.3	3839.5	3843.8	3848.0	3852.3	3856.5	3860.8	3865.0	3869.3	3873.5	3877.8	3882.0	3886.3	3890.5	3894.8	3899.0	3903.3	3907.5	3911.8	3916.0	3920.3	3924.5	3928.8	3933.0	3

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

$u^*_{rel} = 89$

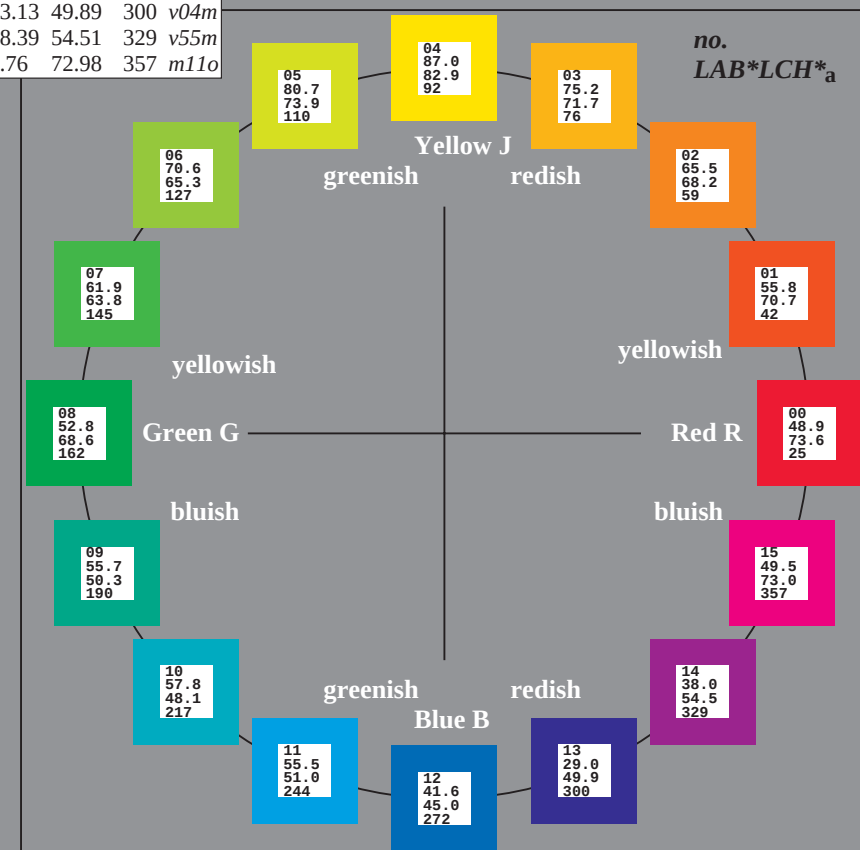
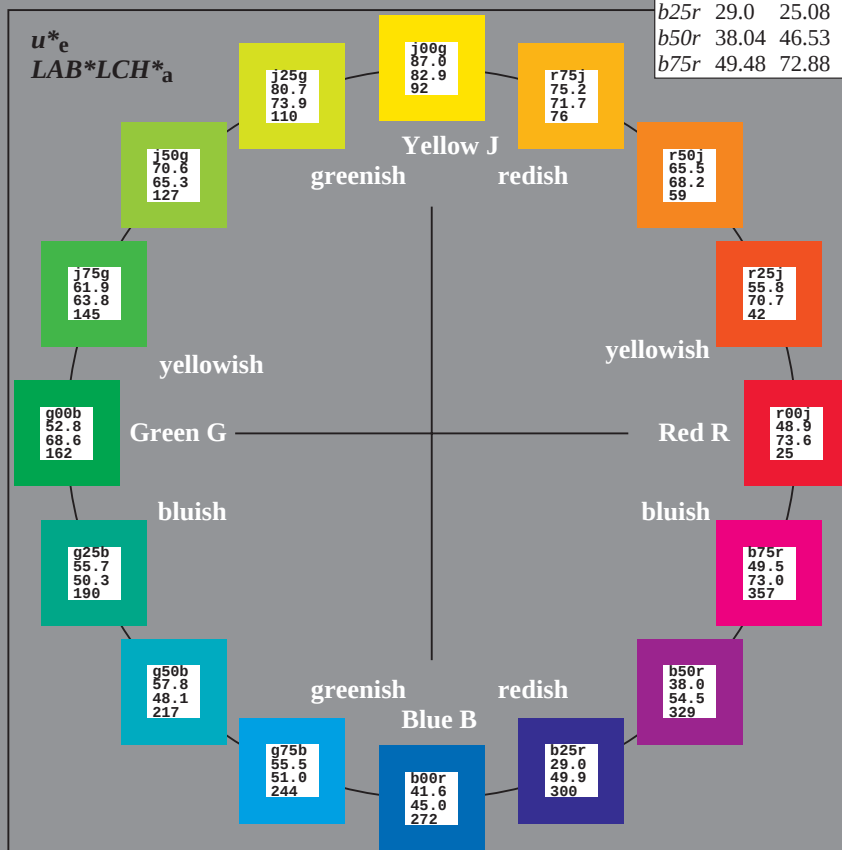
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

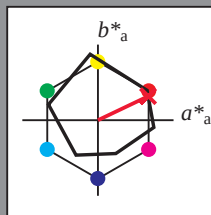
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	-10.29	87.24	87.85	97
L_{Ma}	52.69	-65.44	20.75	68.65	162
C_{Ma}	59.61	-28.98	-46.22	54.56	238
V_{Ma}	28.39	23.63	-44.13	50.06	298
M_{Ma}	49.58	73.93	-9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.071$
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

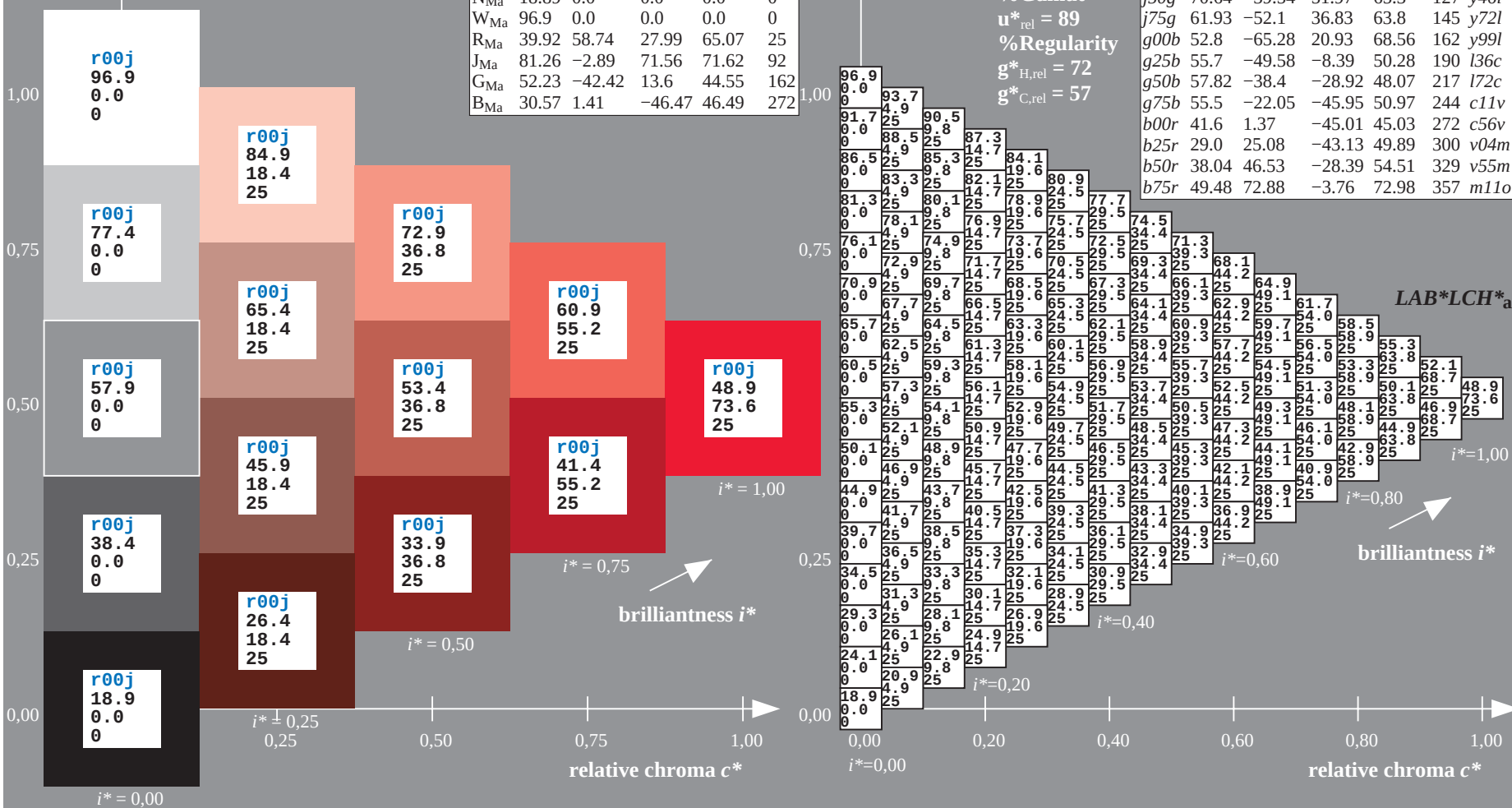
$u^*_{\text{rel}} = 89$

%Regularity

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

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

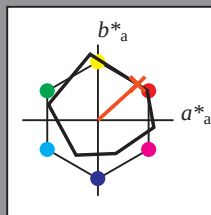
ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	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):

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

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

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

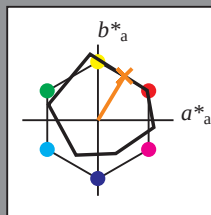
$i^*=0.00$

relative chroma c^*

relative chroma c^*

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

$u^*_e = r50j$
 $LAB^*LCH^*_{Ma}$

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

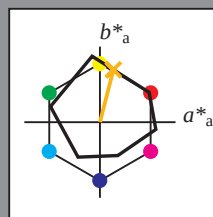
$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

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^*	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):

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

$u_e^* = r75j$
 $\text{LAB}^*\text{LCH}^*_{Ma}$

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

$i^* = 1.00$

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

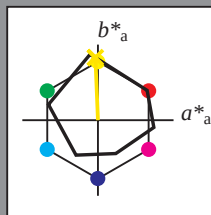
$i^* = 0.20$

$i^* = 0.00$

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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	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	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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

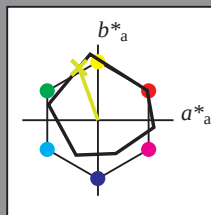
Hue texts:

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

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

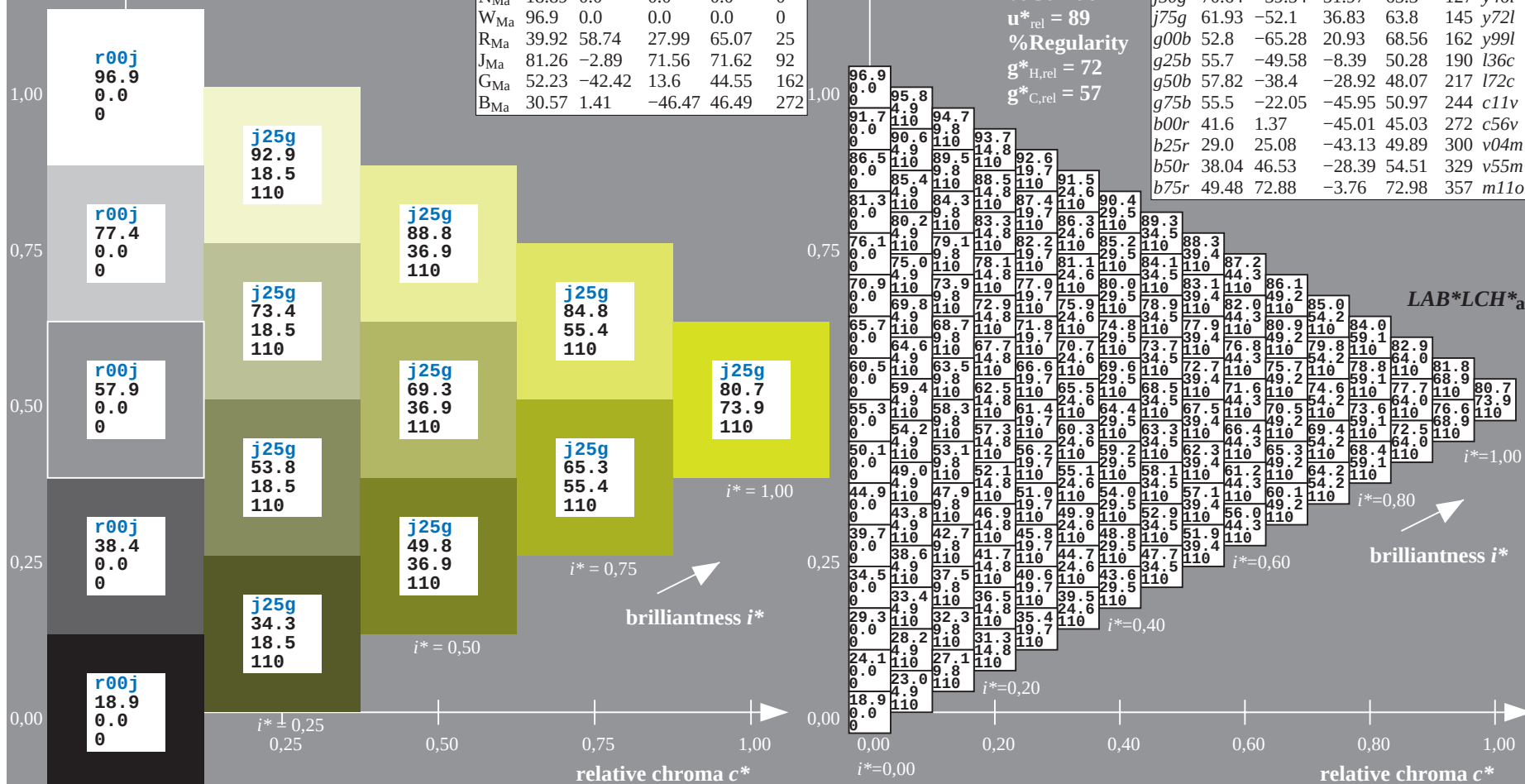
$u^*_{rel} = 89$

%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



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^*

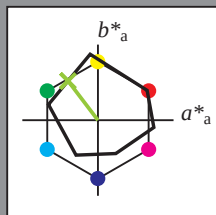
Hue texts:

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

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

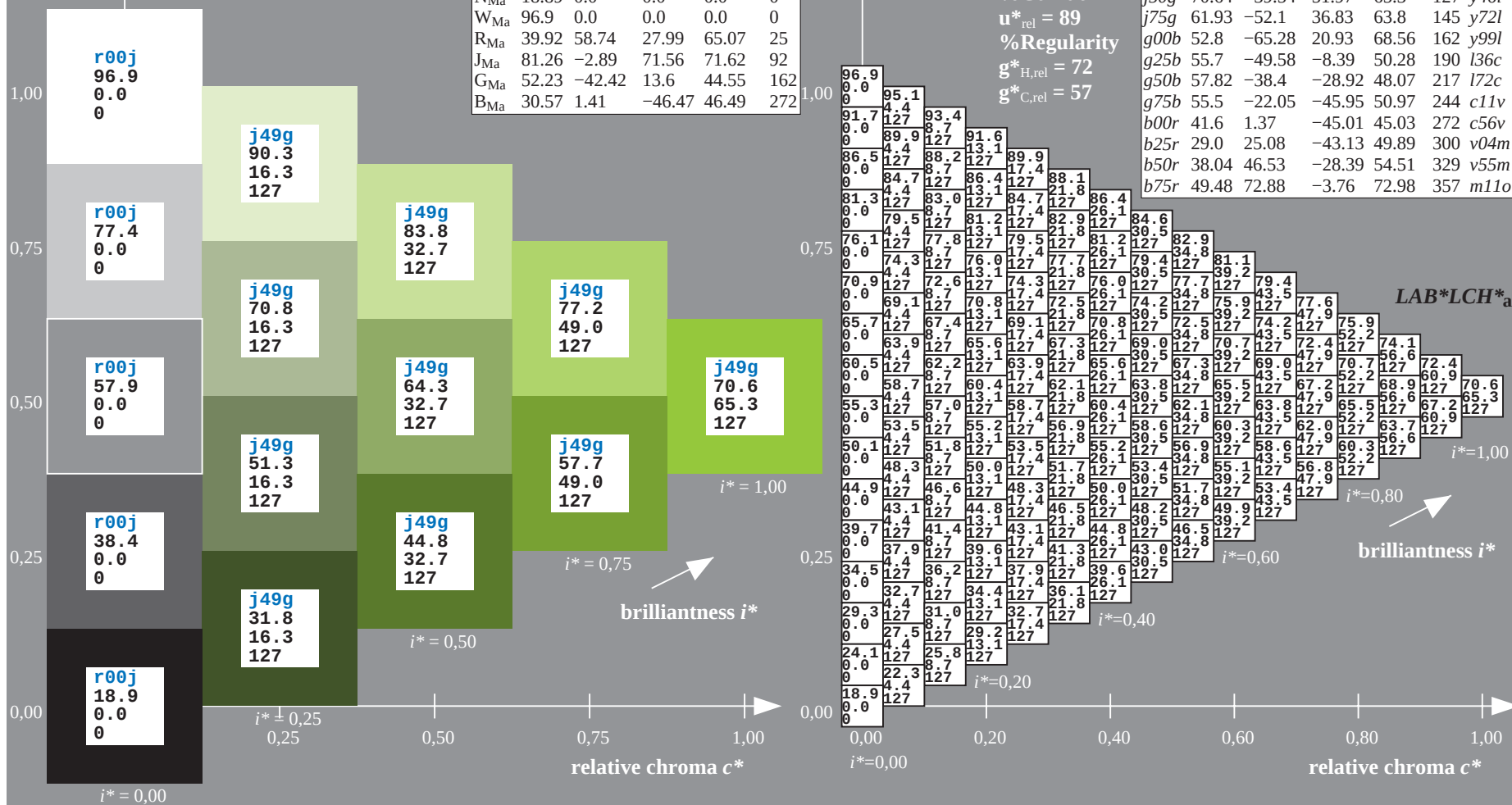
$u^*_{\text{rel}} = 89$

%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
<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>



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^*

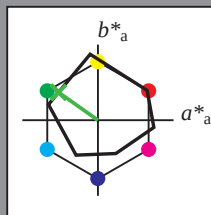
Hue texts:

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

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

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

$i^* = 0.00$

relative chroma c^*

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

data for any colour:

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

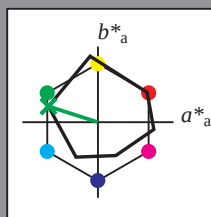
Hue texts:

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

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

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

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

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

data for any colour:

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

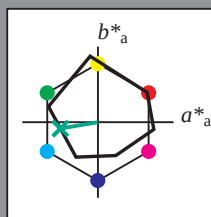
Hue texts:

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

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

$u^*_{rel} = 89$

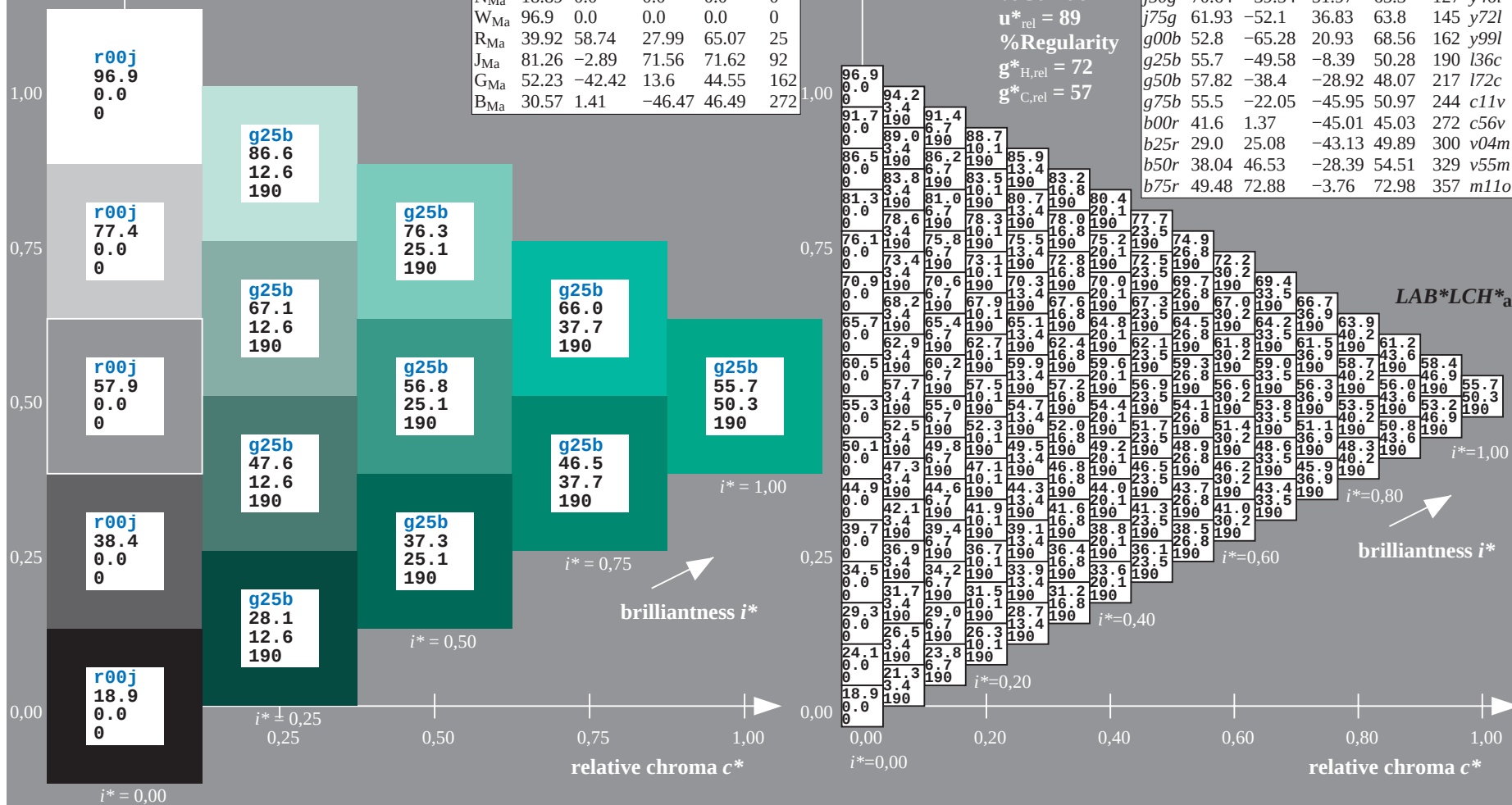
%Regularity

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

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

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

$u^*_e = g25b$
 $LAB^*LCH^*_{Ma}$



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^*

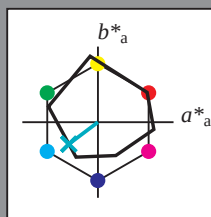
Hue texts:

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

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

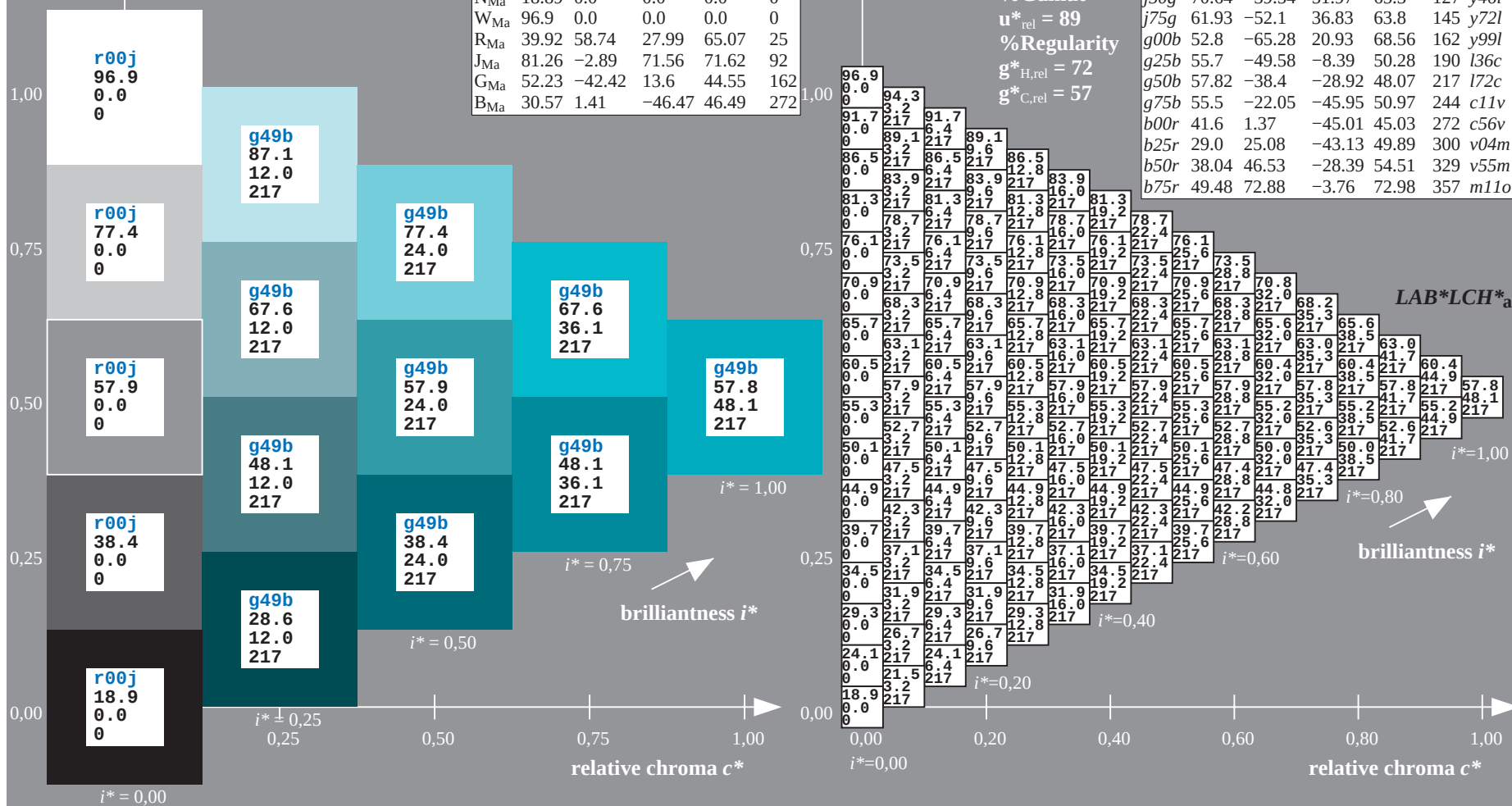
$u^*_{\text{rel}} = 89$

%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



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^*

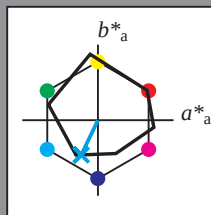
Hue texts:

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

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

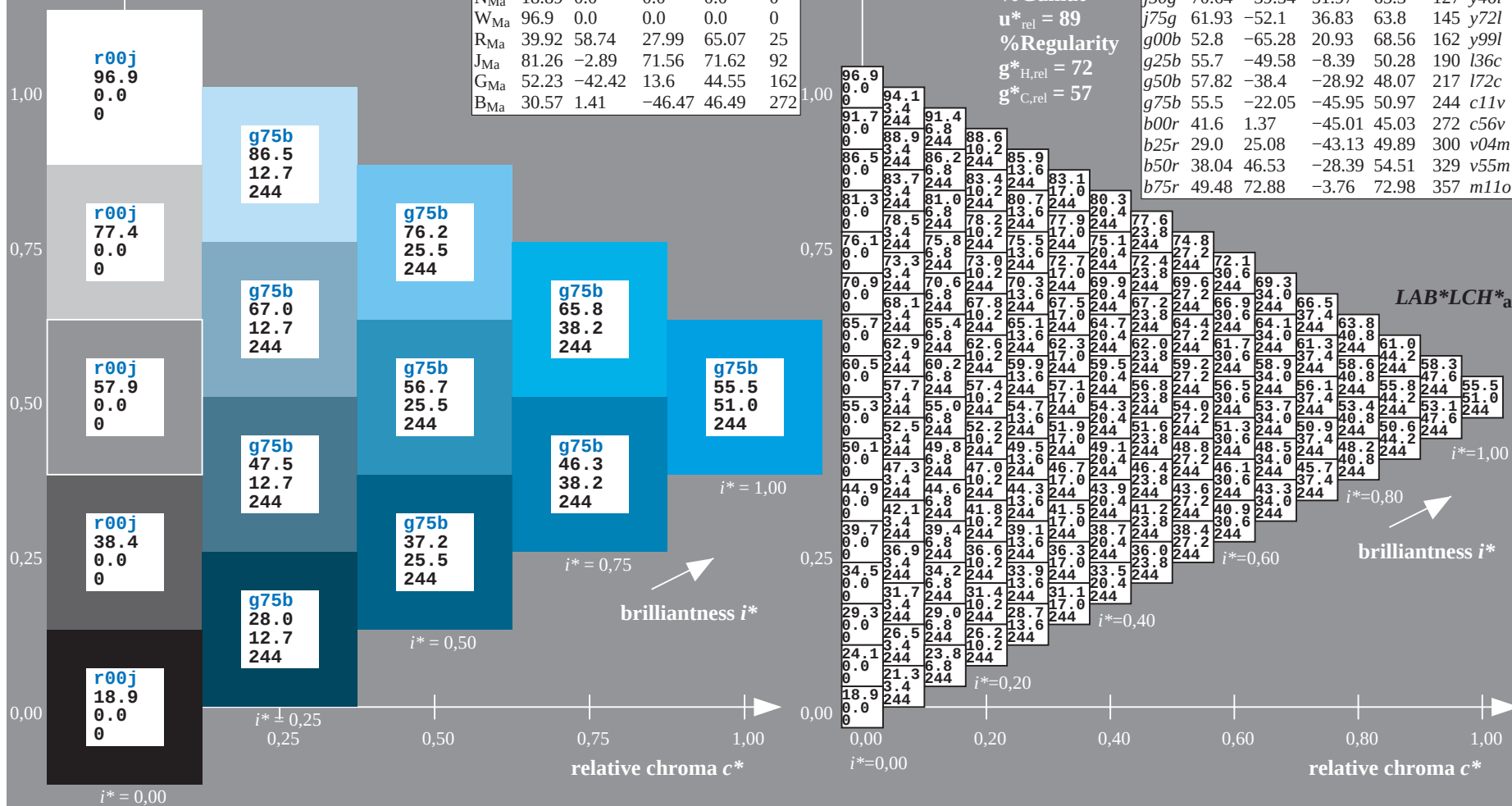
$g^*_{H,\text{rel}} = 72$

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

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	

$u^*_e = g75b$
 $\text{LAB}^*\text{LCH}^*_{\text{a}}$



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

data for any colour:

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

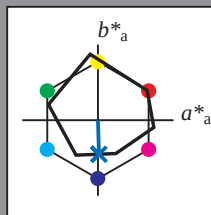
Hue texts:

$u_e^* = b00r$ $u_d^* = c56v$

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^*	$C_{ab,a}^*$	$h_{ab,a}^*$	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):

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

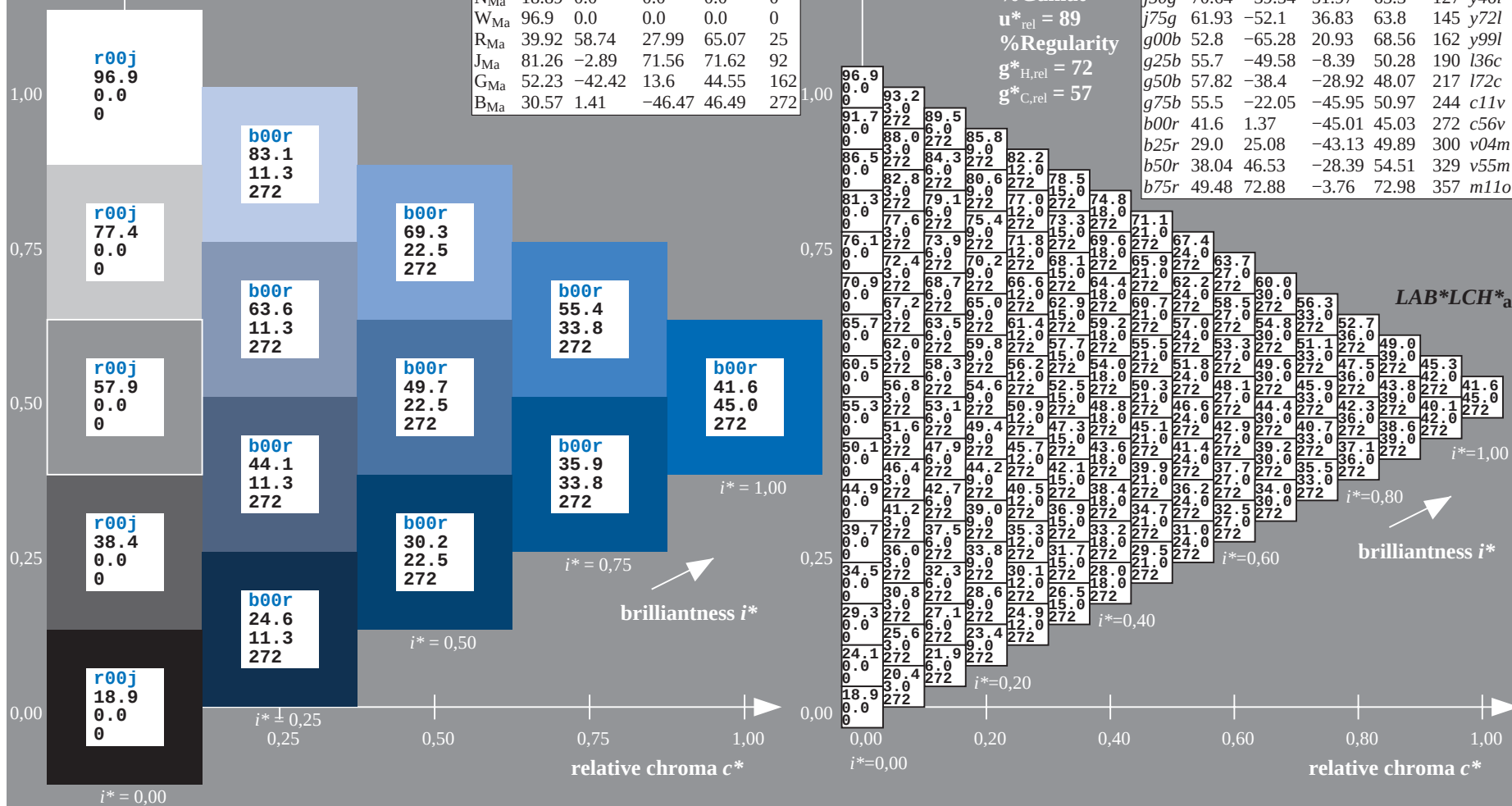
$u_{\text{rel}}^* = 89$

%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



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^*

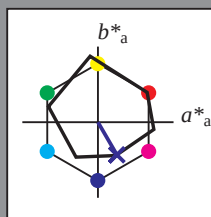
Hue texts:

$u^*_e = b25r$ $u^*_d = v04m$

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

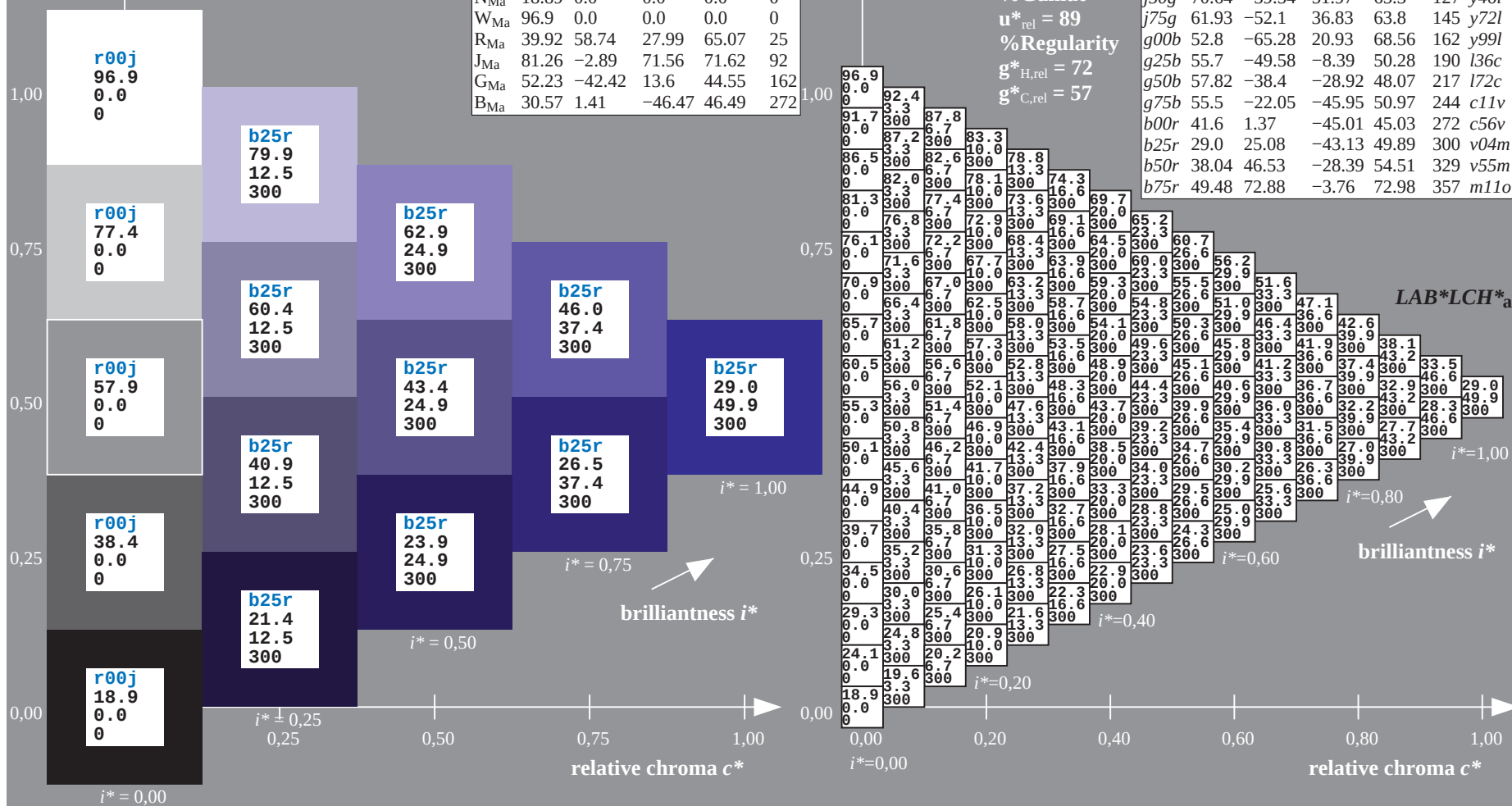
$u^*_{\text{rel}} = 89$

%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



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^*

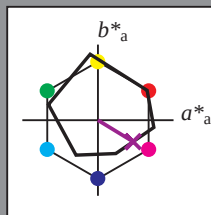
Hue texts:

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

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

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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

data for any colour:

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

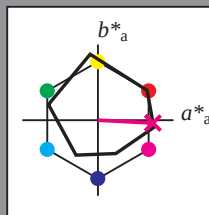
Hue texts:

$u_e^* = b75r$ $u_d^* = m11o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data
 u_e^* $L^*=L_a^*$ a^* 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):

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

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

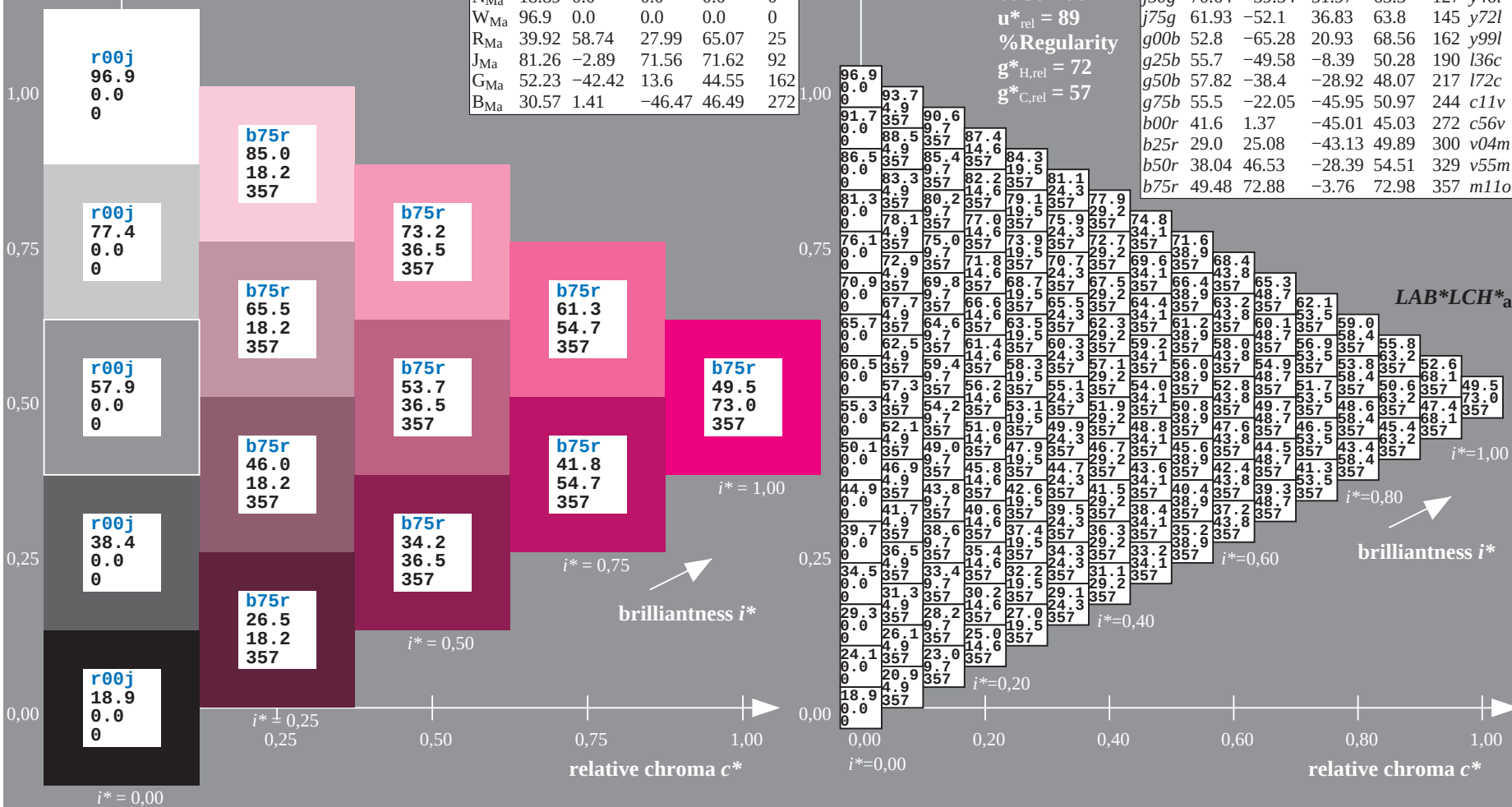
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data
 u_e^* $L^*=L_a^*$ a^* 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



See for similar files: <http://www.ps.bam.de/Ee38/>; www.ps.bam.de/Ee38/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=1

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LCH*a																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
01	18.9	8.6	12.7	31.6	35.8	42.9	44.2	48.5	52.7	22.6	27.9	31.5	35.8	40.1	44.4	48.6	52.9	57.2	61.5	65.8	70.1	74.4	78.7	83.0	87.3	91.6	95.9	100.2	104.5	108.8	113.1	117.4	121.7	126.0	130.3	134.6	138.9	143.2	147.5	151.8	156.1	160.4	164.7	169.0	173.3	177.6	181.9	186.2	190.5	194.8	199.1	203.4	207.7	212.0	216.3	220.6	224.9	229.2	233.5	237.8	242.1	246.4	250.7	255.0	259.3	263.6	267.9	272.2	276.5	280.8	285.1	289.4	293.7	298.0	302.3	306.6	310.9	315.2	319.5	323.8	328.1	332.4	336.7	341.0	345.3	349.6	353.9	358.2	362.5	366.8	371.1	375.4	379.7	384.0	388.3	392.6	396.9	401.2	405.5	409.8	414.1	418.4	422.7	427.0	431.3	435.6	439.9	444.2	448.5	452.8	457.1	461.4	465.7	470.0	474.3	478.6	482.9	487.2	491.5	495.8	500.1	504.4	508.7	513.0	517.3	521.6	525.9	530.2	534.5	538.8	543.1	547.4	551.7	556.0	560.3	564.6	568.9	573.2	577.5	581.8	586.1	590.4	594.7	599.0	603.3	607.6	611.9	616.2	620.5	624.8	629.1	633.4	637.7	642.0	646.3	650.6	654.9	659.2	663.5	667.8	672.1	676.4	680.7	685.0	689.3	693.6	697.9	702.2	706.5	710.8	715.1	719.4	723.7	728.0	732.3	736.6	740.9	745.2	749.5	753.8	758.1	762.4	766.7	771.0	775.3	779.6	783.9	788.2	792.5	796.8	801.1	805.4	809.7	814.0	818.3	822.6	826.9	831.2	835.5	839.8	844.1	848.4	852.7	857.0	861.3	865.6	869.9	874.2	878.5	882.8	887.1	891.4	895.7	899.0	903.3	907.6	911.9	916.2	920.5	924.8	929.1	933.4	937.7	942.0	946.3	950.6	954.9	959.2	963.5	967.8	972.1	976.4	980.7	985.0	989.3	993.6	997.9	1002.2	1006.5	1010.8	1015.1	1019.4	1023.7	1028.0	1032.3	1036.6	1040.9	1045.2	1049.5	1053.8	1058.1	1062.4	1066.7	1071.0	1075.3	1079.6	1083.9	1088.2	1092.5	1096.8	1101.1	1105.4	1109.7	1114.0	1118.3	1122.6	1126.9	1131.2	1135.5	1139.8	1144.1	1148.4	1152.7	1157.0	1161.3	1165.6	1169.9	1174.2	1178.5	1182.8	1187.1	1191.4	1195.7	1200.0	1204.3	1208.6	1212.9	1217.2	1221.5	1225.8	1230.1	1234.4	1238.7	1243.0	1247.3	1251.6	1255.9	1260.2	1264.5	1268.8	1273.1	1277.4	1281.7	1286.0	1290.3	1294.6	1298.9	1303.2	1307.5	1311.8	1316.1	1320.4	1324.7	1329.0	1333.3	1337.6	1341.9	1346.2	1350.5	1354.8	1359.1	1363.4	1367.7	1372.0	1376.3	1380.6	1384.9	1389.2	1393.5	1397.8	1402.1	1406.4	1410.7	1415.0	1419.3	1423.6	1427.9	1432.2	1436.5	1440.8	1445.1	1449.4	1453.7	1458.0	1462.3	1466.6	1470.9	1475.2	1479.5	1483.8	1488.1	1492.4	1496.7	1501.0	1505.3	1509.6	1513.9	1518.2	1522.5	1526.8	1531.1	1535.4	1539.7	1544.0	1548.3	1552.6	1556.9	1561.2	1565.5	1569.8	1574.1	1578.4	1582.7	1587.0	1591.3	1595.6	1599.9	1604.2	1608.5	1612.8	1617.1	1621.4	1625.7	1630.0	1634.3	1638.6	1642.9	1647.2	1651.5	1655.8	1660.1	1664.4	1668.7	1673.0	1677.3	1681.6	1685.9	1690.2	1694.5	1698.8	1703.1	1707.4	1711.7	1716.0	1720.3	1724.6	1728.9	1733.2	1737.5	1741.8	1746.1	1750.4	1754.7	1759.0	1763.3	1767.6	1771.9	1776.2	1780.5	1784.8	1789.1	1793.4	1797.7	1802.0	1806.3	1810.6	1814.9	1819.2	1823.5	1827.8	1832.1	1836.4	1840.7	1845.0	1849.3	1853.6	1857.9	1862.2	1866.5	1870.8	1875.1	1879.4	1883.7	1888.0	1892.3	1896.6	1900.9	1905.2	1909.5	1913.8	1918.1	1922.4	1926.7	1931.0	1935.3	1939.6	1943.9	1948.2	1952.5	1956.8	1961.1	1965.4	1969.7	1974.0	1978.3	1982.6	1986.9	1991.2	1995.5	1999.8	2004.1	2008.4	2012.7	2017.0	2021.3	2025.6	2029.9	2034.2	2038.5	2042.8	2047.1	2051.4	2055.7	2060.0	2064.3	2068.6	2072.9	2077.2	2081.5	2085.8	2090.1	2094.4	2098.7	2103.0	2107.3	2111.6	2115.9	2120.2	2124.5	2128.8	2133.1	2137.4	2141.7	2146.0	2150.3	2154.6	2158.9	2163.2	2167.5	2171.8	2176.1	2180.4	2184.7	2189.0	2193.3	2197.6	2201.9	2206.2	2210.5	2214.8	2219.1	2223.4	2227.7	2232.0	2236.3	2240.6	2244.9	2249.2	2253.5	2257.8	2262.1	2266.4	2270.7	2275.0	2279.3	2283.6	2287.9	2292.2	2296.5	2300.8	2305.1	2309.4	2313.7	2318.0	2322.3	2326.6	2330.9	2335.2	2339.5	2343.8	2348.1	2352.4	2356.7	2361.0	2365.3	2369.6	2373.9	2378.2	2382.5	2386.8	2391.1	2395.4	2399.7	2404.0	2408.3	2412.6	2416.9	2421.2	2425.5	2429.8	2434.1	2438.4	2442.7	2447.0	2451.3	2455.6	2459.9	2464.2	2468.5	2472.8	2477.1	2481.4	2485.7	2490.0	2494.3	2498.6	2502.9	2507.2	2511.5	2515.8	2520.1	2524.4	2528.7	2533.0	2537.3	2541.6	2545.9	2550.2	2554.5	2558.8	2563.1	2567.4	2571.7	2576.0	2580.3	2584.6	2588.9	2593.2	2597.5	2601.8	2606.1	2610.4	2614.7	2619.0	2623.3	2627.6	2631.9	2636.2	2640.5	2644.8	2649.1	2653.4	2657.7	2662.0	2666.3	2670.6	2674.9	2679.2	2683.5	2687.8	2692.1	2696.4	2700.7	2705.0	2709.3	2713.6	2717.9	2722.2	2726.5	2730.8	2735.1	2739.4	2743.7	2748.0	2752.3	2756.6	2760.9	2765.2	2769.5	2773.8	2778.1	2782.4	2786.7	2791.0	2795.3	2799.6	2803.9	2808.2	2812.5	2816.8	2821.1	2825.4	2829.7	2834.0	2838.3	2842.6	2846.9	2851.2	2855.5	2859.8	2864.1	2868.4	2872.7	2877.0	2881.3	2885.6	2889.9	2894.2	2898.5	2902.8	2907.1	2911.4	2915.7	2920.0	2924.3	2928.6	2932.9	2937.2	2941.5	2945.8	2950.1	2954.4	2958.7	2963.0	2967.3	2971.6	2975.9	2980.2	2984.5	2988.8	2993.1	2997.4	3001.7	3006.0	3010.3	3014.6	3018.9	3023.2	3027.5	3031.8	3036.1	3040.4	3044.7	3049.0	3053.3	3057.6	3061.9	3066.2	3070.5	3074.8	3079.1	3083.4	3087.7	3092.0	3096.3	3100.6	3104.9	3109.2	3113.5	3117.8	3122.1	3126.4	3130.7	3135.0	3139.3	3143.6	3147.9	3152.2	3156.5	3160.8	3165.1	3169.4	3173.7	3178.0	3182.3	3186.6	3190.9	3195.2	3199.5	3203.8	3208.1	3212.4	3216.7	3221.0	3225.3	3229.6	3233.9	3238.2	3242.5	3246.8	3251.1	3255.4	3259.7	3264.0	3268.3	3272.6	3276.9	3281.2	3285.5	3289.8	3294.1	3298.4	3302.7	3307.0	3311.3	3315.6	3319.9	3324.2	3328.5	3332.8	3337.1	3341.4	3345.7	3350.0	3354.3	3358.6	3362.9	3367.2	3371.5	3375.8	3380.1	3384.4	3388.7	3393.0	3397.3	3401.6	3405.9	3410.2	3414.5	3418.8	3423.1	3427.4	3431.7	3436.0	3440.3	3444.6	3448.9	3453.2	3457.5	3461.8	3466.1	3470.4	3474.7	3479.0	3483.3	3487.6	3491.9	3496.2	3500.5	3504.8	3509.1	3513.4	3517.7	3522.0	3526.3	3530.6	3534.9	3539.2	3543.5	3547.8	3552.1	3556.4	3560.7	3565.0	3569.3	3573.6	3577.9	3582.2	3586.5	3590.8	3595.1	3599.4	3603.7	3608.0	3612.3	3616.6	3620.9	3625.2	3629.5	3633.8	3638.1	3642.4	3646.7	3651.0	3655.3	3659.6	3663.9	3668.2	3672.5	3676.8	3681.1	3685.4	3689.7	3694.0	3698.3	3702.6	3706.9	3711.2	3715.5	3719.8	3724.1	3728.4	3732.7	3737.0	3741.3	3745.6	3749.9	3754.2	3758.5	3762.8	3767.1	3771.4	3775.7	3780.0	3784.3	3788.6	3792.9	3797.2	3801.5	3805.8	3810.1	3814.4	3818.7	3823.0	3827.3	3831.6	3835.9	3840.2	3844.5	3848.8	3853.1	3857.4	3861.7	3866.0	3870.3	3874.6	3878.9	3883.2	3887.5	3891.8	3896.1	3900.4	3904.7	3909.0	3913.3	3917.6	3921.9	3926.2	3930.5	3934.8	3939.1	3943.4	3947.7	3952.0	3956.3	3960.6	3964.9	3969.2	3973.5	3977.8	3982.1	3986.4	3990.7	3995.0	3999.3	4003.6	4007.9	4012.2	4016.5	4020.8	4025.1	4029.4	4033.7	4038.0	4042.3	4046.6	4050.9	4055.2	4059.5	4063.8	4068.1	4072.4	4076.7	4081.0	4085.3	4089.6	4093.9	4098.2	4102.5	4106.8	4111.1	4115.4	4119.7	4124.0	4128.3	4132.6	4136.9	4141.2	4145.5	4149.8	4154.1	4158.4	4162.7	4167.0	4171.3	4175.6	4179.9	4184.2	4188.5	4192.8	4197.1	4201.4	4205.7	4210.0	4214.3	4218.6	4222.9	4227.2	4231.5	4235.8	4240.1	4244.4	4248.7	4253.0	4257.3	4261.6	4265.9	4270.2	4274.5	4278.8	4283.1	4287.4	4291.7	4296.0	4300.3	4304.6	4308.9	4313.2	4317.5	4321.8	4326.1	4330.4	4334.7	4339.0	4343.3	4347.6	4351.9	4356.2	4360.5	4364.8	4369.1	4373.4	4377.7	4382.0	4386.3	4390.6	4394.9	4399.2	4403.5	4407.8	4412.1	4416.4	4420.7	4425.0	4429.3	4433.6	4437.9	4442.2	4446.5	4450.8	4455.1	4459.4	4463.7	4468.0	4472.3	4476.6	4480.9	4485.2	4489.5	4493.8	4498.1	4502.4	4506.7	4511.0	4515.3	4519.6	4523.9	4528.2	4532.5	4536.8	4541.1	4545.4	4549.7	4554.0	4558.3	4562.6	4566.9	4571.2	4575.5	4579.8	4584.1	4588.4	4592.7	4597.0	4601.3	4605.6	4609.9	4614.2	4618.5	4622.8	4627.1	4631.4	4635.7	4640.0	4644.3	4648.6	4652.9	4657.2	4661.5	4665.8	4670.1	4674.4	4678.7	4683.0	4687.3	4691.6	4695.9	4700.2	4704.5	4708.8	4713.1	4717.4	4721.7	4726.0	4730.3	4734.6	4738

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

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

elementary hue text:

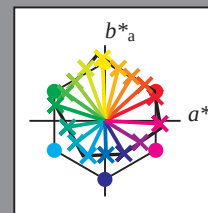
$u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$

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	-0.39	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

$u^*_{rel} = 89$

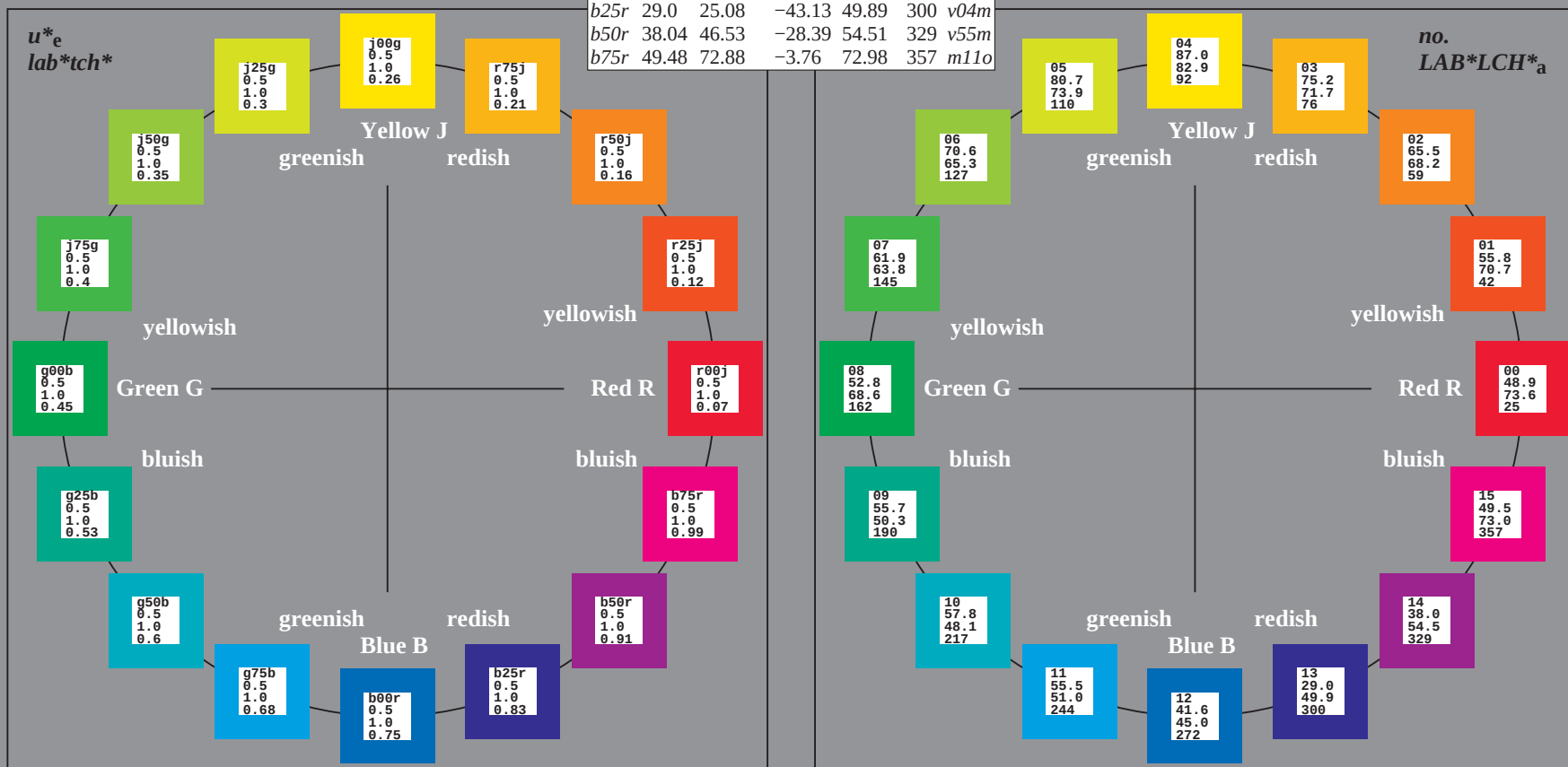
%Regularity

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

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

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^*

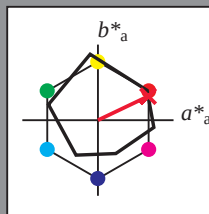
Hue texts:

$u^*_e = r00j$ $u^*_d = m84o$

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

O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	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

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

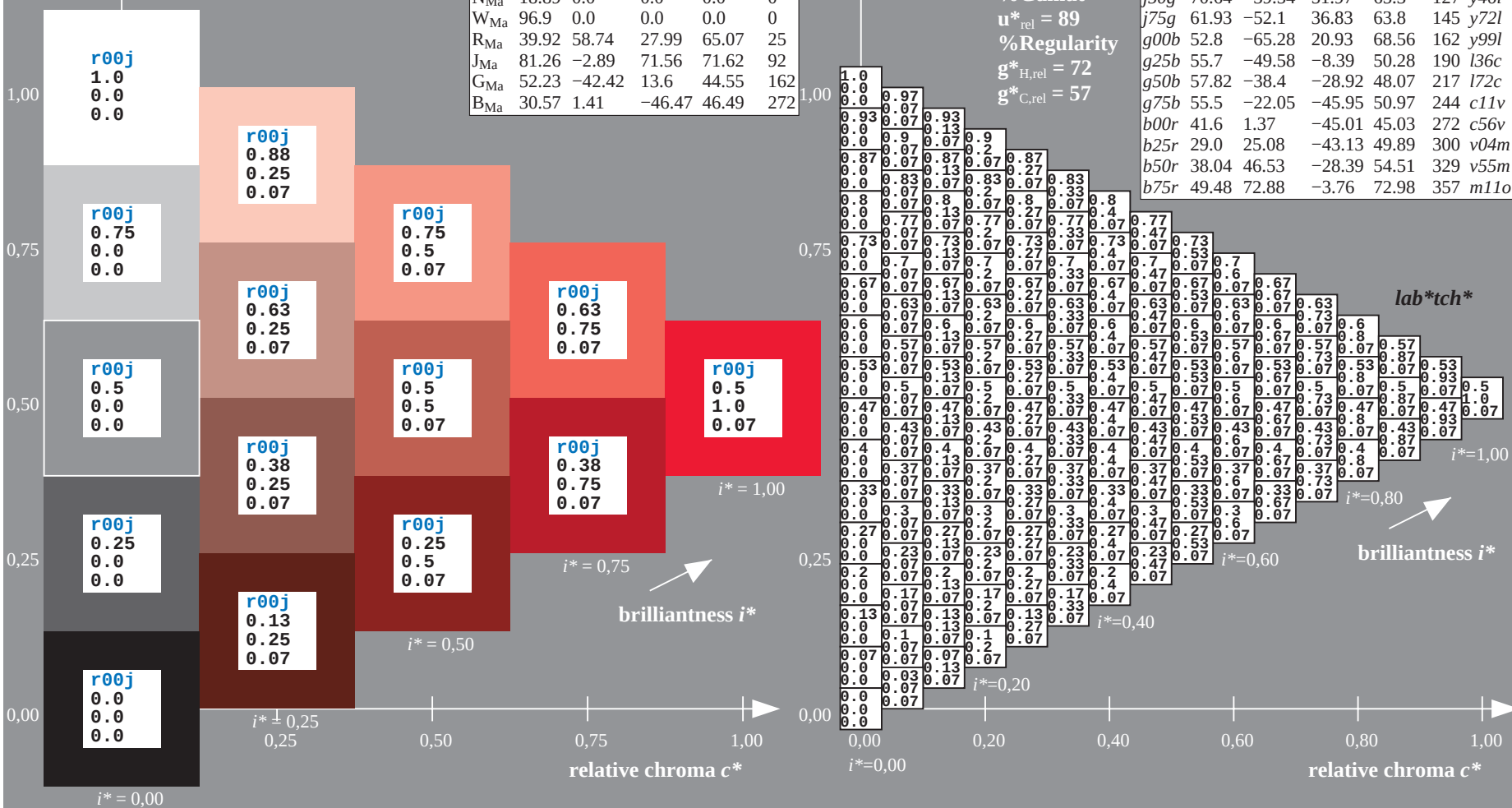
% Regularity

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

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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.164$

data for any colour:

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

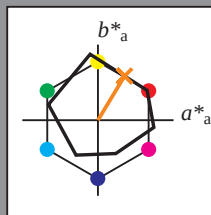
Hue texts:

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

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

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

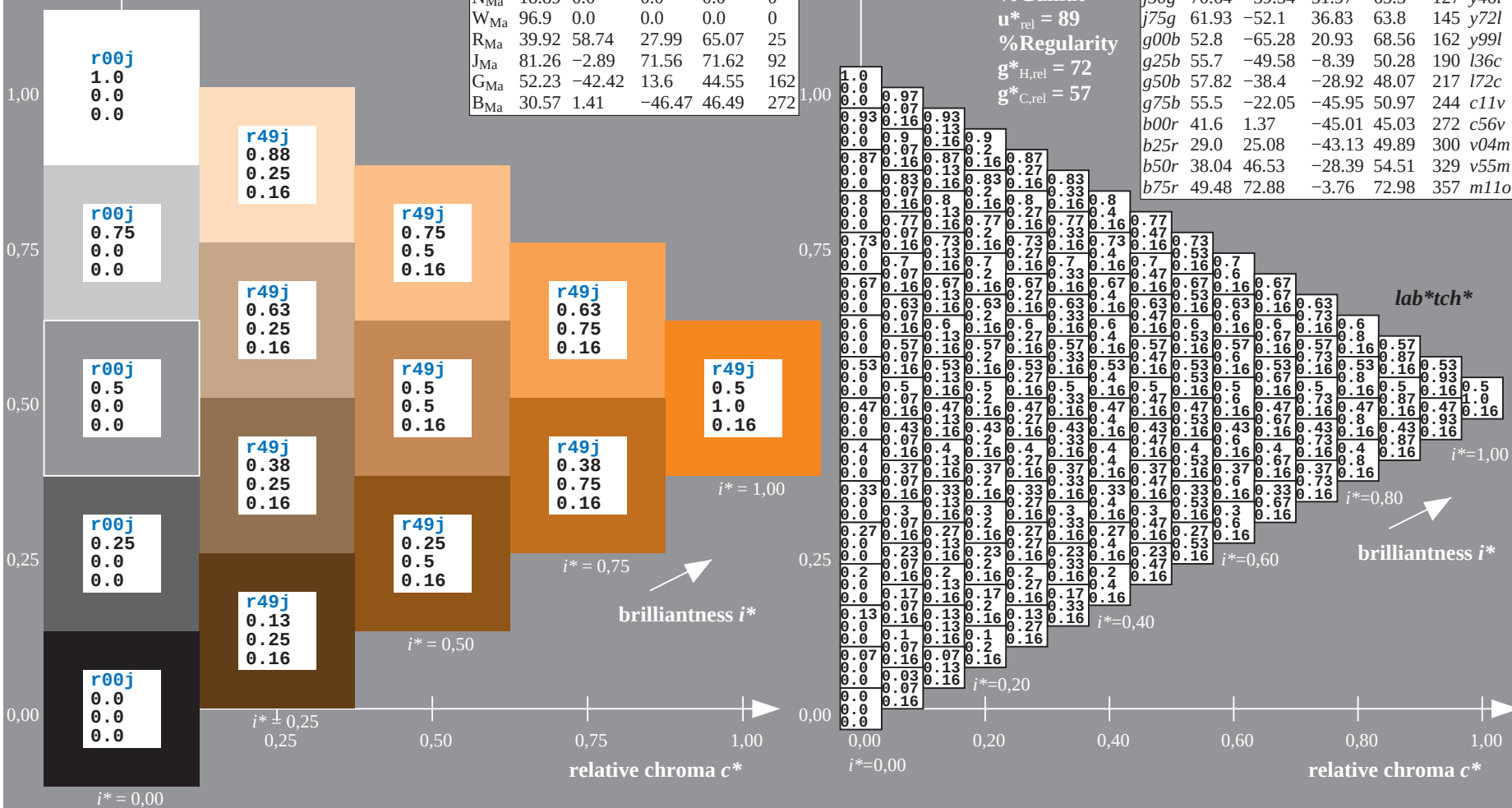
% Regularity

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

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

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^*

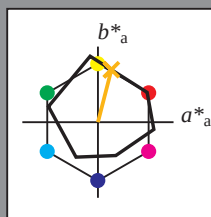
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	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

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

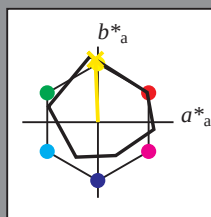
$i^* = 0.00$

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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	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

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

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

data for any colour:

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

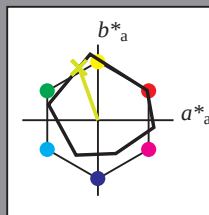
Hue texts:

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

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

$i^* = 1.00$

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^*

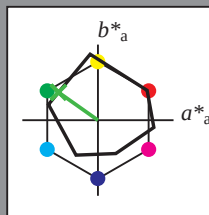
Hue texts:

$u_e^* = j75g$ $u_d^* = y72l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; 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^*	$C_{ab,a}^*$	$h_{ab,a}^*$
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^*

$i^* = 1.00$

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^*

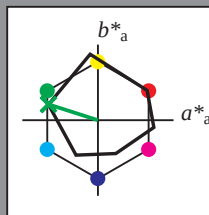
Hue texts:

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

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

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

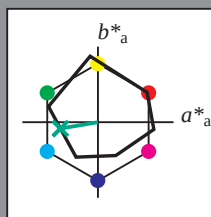
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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

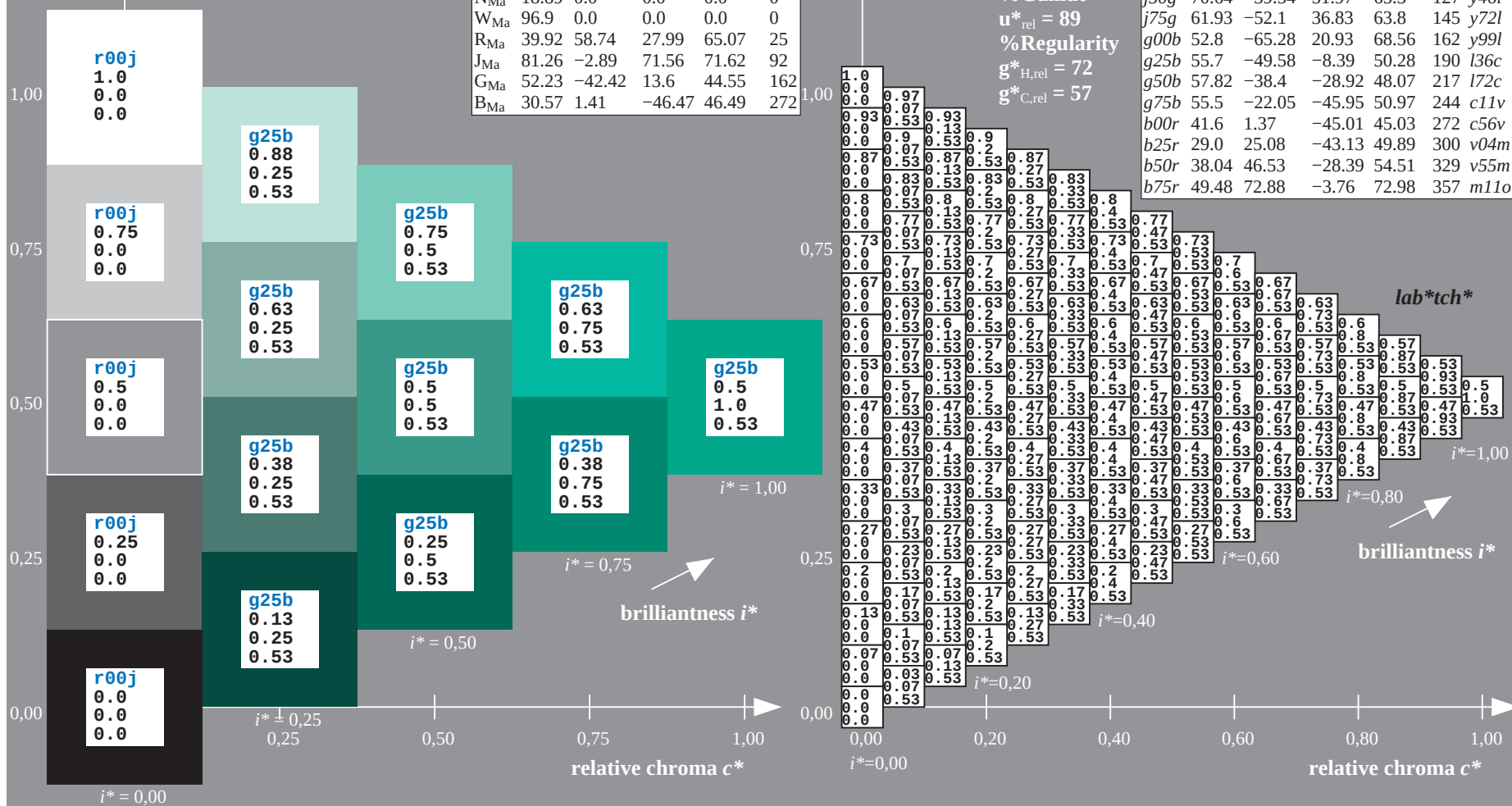
$u_{\text{rel}}^* = 89$

% 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^*

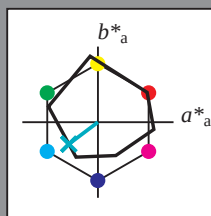
Hue texts:

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

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^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	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^*	$C^*_{ab,a}$	$h^*_{ab,a}$
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^*

$i^* = 1.00$

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^*

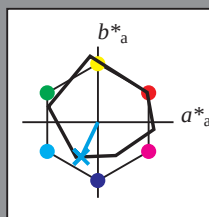
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; 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):

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

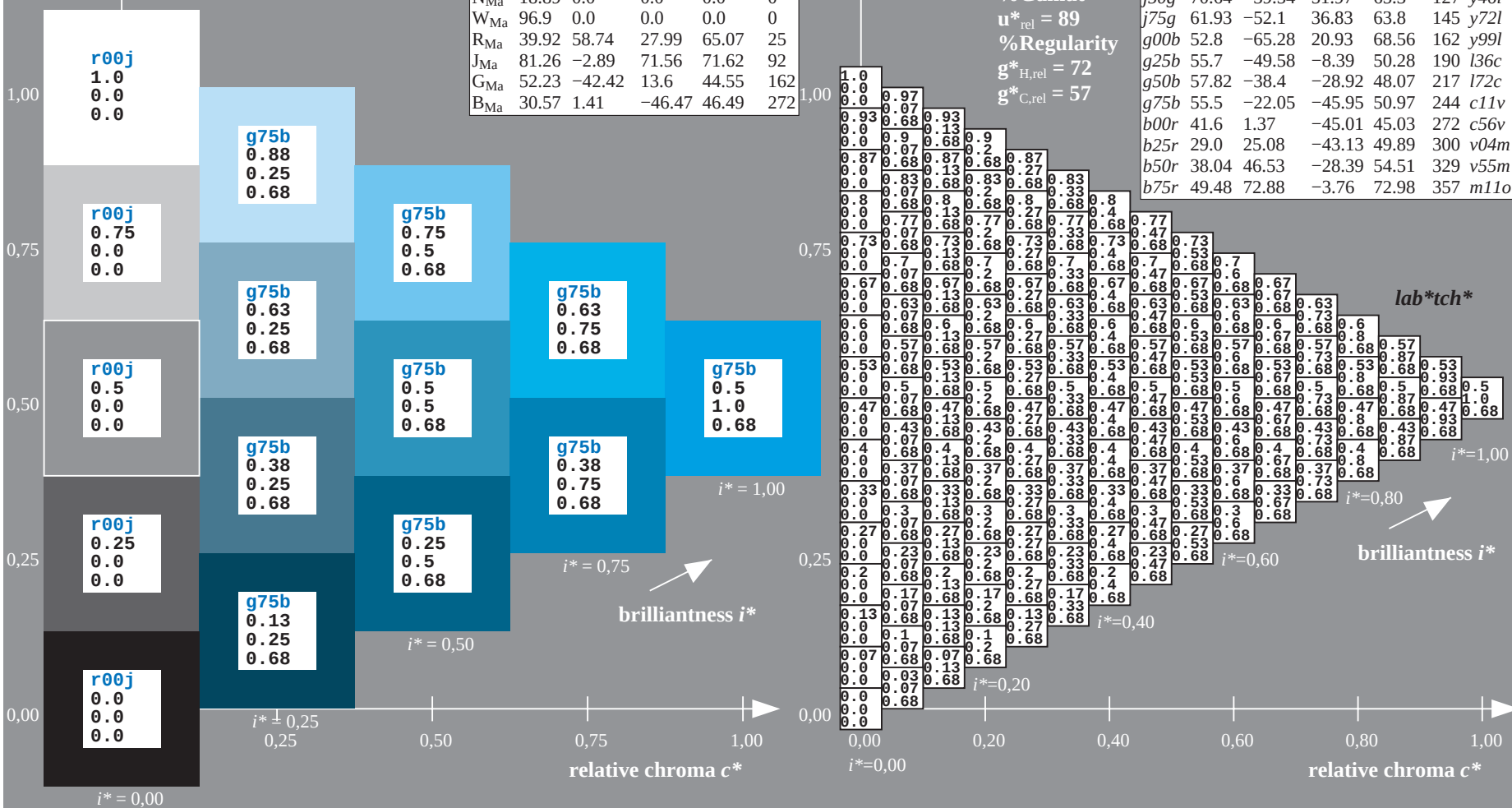
$u^*_{rel} = 89$

% 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^*

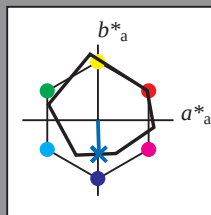
Hue texts:

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

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):

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

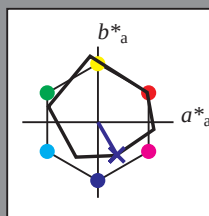
relative chroma c^*

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

$u_e^* = b_{25r}$
 lab^*tch^*

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}	50.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	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*rag*Ma: 0.5 0.0 1.0

*lgb*oly**M₂: 0.04 0.0 1.0

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*tch**

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

BAM-test chart Ee38; Colorimetric systems, Page 123/198
D65: colour scales and 9 data tables for 16 hues $r00j$ to $b75r$

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

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

data for any colour:

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

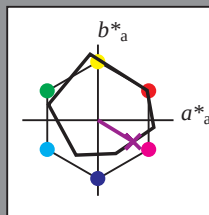
Hue texts:

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

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

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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

data for any colour:

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

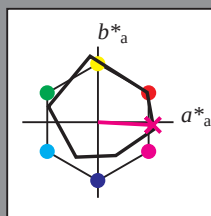
Hue texts:

$u_e^* = b75r$ $u_d^* = m11o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a^*	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):

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

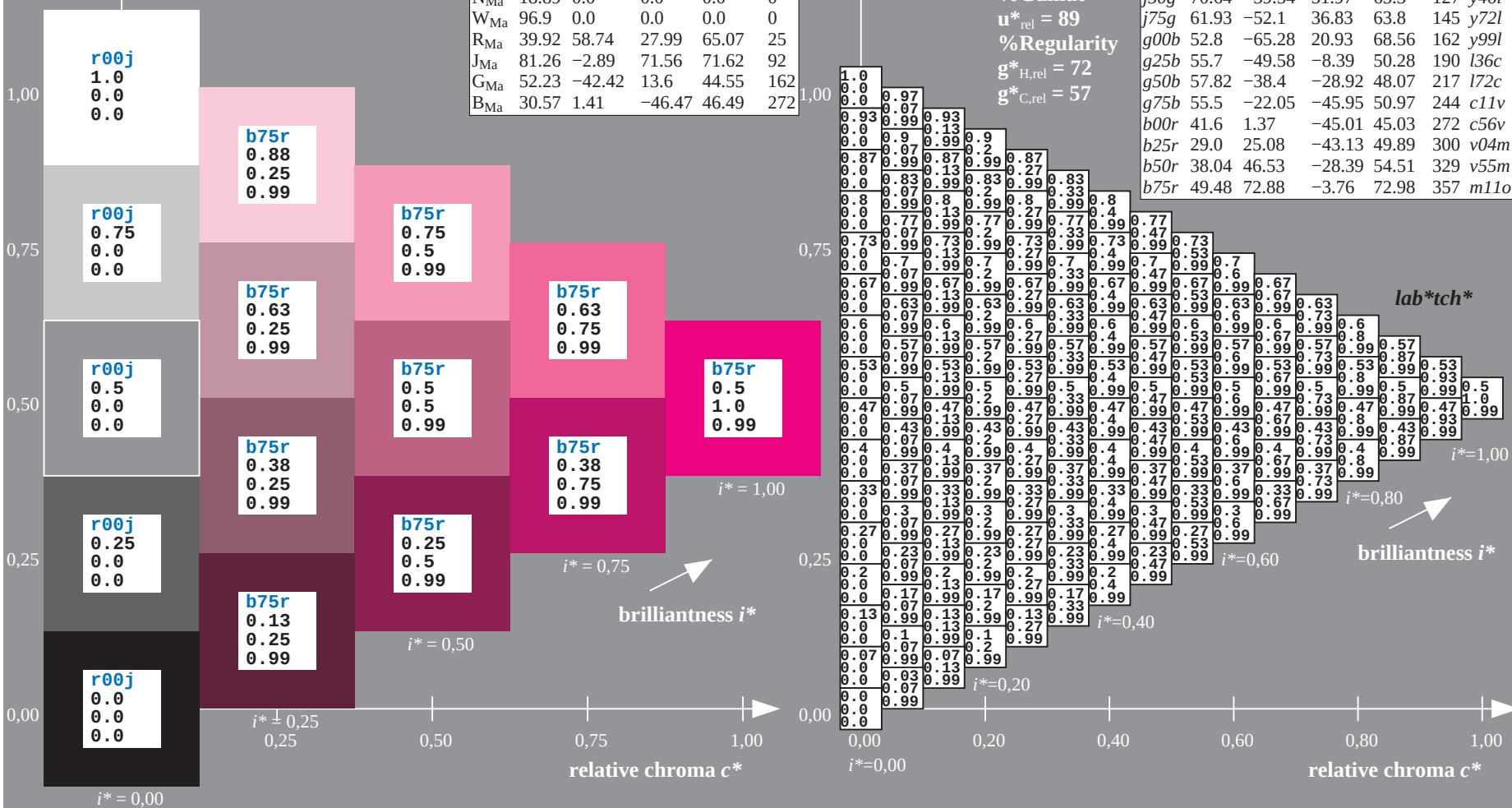
$u^*_{rel} = 89$

% Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a^*	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



See for similar files: <http://www.ps.bam.de/Ee38/>; www.ps.bam.de/Ee.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=1

BAM registration: 20081001-Ee38/10/L38E00NA.PS/.TXT BAM material: code=rh4ta
- application for evaluation and measurement of printer or monitor systems

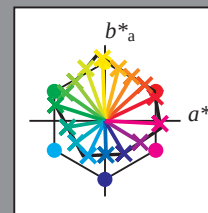
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*tch*			
01	0.0	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.06	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.13	0.13	0.13	0.19	0.25	0.31	0.38	0.44	0.5	1.0	0.0	0.94	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.0	0.0	0.0	
	0.0	0.13	0.25	0.38	0.5	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	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	
	0.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.09	0.27	0.36	0.39	0.41	0.41	0.42	0.43	0.43	0.09	0.18	0.27	0.33	0.36	0.38	0.39	0.4	0.41	0.0	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	
02	0.06	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.13	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.94	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.44	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	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0	0.0	
	0.83	0.66	0.56	0.52	0.5	0.49	0.49	0.48	0.48	0.98	0.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.03	0.09	0.27	0.36	0.39	0.41	0.41	0.42	0.43	0.66	0.0	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09		
03	0.13	0.13	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.13	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.63	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.38	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	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0	0.0
	0.83	0.74	0.66	0.59	0.56	0.54	0.52	0.51	0.5	0.9	0.83	0.66	0.56	0.52	0.5	0.49	0.49	0.48	0.98	0.98	0.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	
04	0.19	0.19	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.19	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.56	0.19	0.25	0.31	0.31	0.38	0.44	0.5	0.56	0.63	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.31	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	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0
	0.83	0.77	0.72	0.66	0.61	0.58	0.56	0.54	0.53	0.88	0.83	0.74	0.66	0.59	0.56	0.54	0.52	0.51	0.93	0.9	0.83	0.66	0.56	0.52	0.5	0.49	0.49	0.48	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
05	0.25	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.25	0.31	0.31	0.38	0.44	0.5	0.25	0.31	0.38	0.44	0.5	0.25	0.31	0.38	0.44	0.5	0.25	0.31	0.38	0.44	0.5	0.25	0.31	0.38	0.44	0.5	0.25	0.31	0.38	0.44	0.5	0.25	0.31
	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0
	0.83	0.79	0.74	0.7	0.66	0.62	0.59	0.57	0.56	0.87	0.83	0.77	0.72	0.66	0.61	0.58	0.56	0.54	0.9	0.88	0.83	0.74	0.66	0.59	0.56	0.54	0.52	0.51	0.5	0.49	0.49	0.48	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	
06	0.31	0.31	0.31	0.31	0.31	0.31	0.38	0.44	0.5	0.31	0.38	0.38	0.38	0.38	0.44	0.5	0.56	0.31	0.38	0.44	0.44	0.44	0.44	0.5	0.56	0.63	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.19	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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.0	0.0	0.0	0.0	
	0.83	0.79	0.76	0.73	0.69	0.66	0.63	0.6	0.58	0.86	0.83	0.79	0.74	0.7	0.66	0.62	0.59	0.57	0.88	0.83	0.77	0.72	0.66	0.61	0.58	0.56	0.54	0.52	0.51	0.5	0.49	0.49	0.48	0.66	0.66	0.66	0.66	0.66	0.66	0.66	
07	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.44	0.5	0.38	0.44	0.44	0.44	0.44	0.44	0.44	0.5	0.56	0.38	0.44	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.56	0.63	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.19	0.13	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	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.0	0.0	0.0
	0.83	0.8	0.77	0.74	0.72	0.69	0.66	0.63	0.61	0.85	0.83	0.79	0.76	0.73	0.69	0.66	0.63	0.6	0.88	0.86	0.83	0.79	0.74	0.7	0.66	0.62	0.59	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
08	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.5	0.44	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.56	0.44	0.5	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.19	0.13	0.66	0.88	0.88	0.88
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.0	0.0	0.0
	0.83	0.8	0.78	0.76	0.73	0.71	0.68	0.66	0.63	0.85	0.83	0.8	0.77	0.74	0.72	0.69	0.66	0.63	0.87	0.85	0.83	0.79	0.76	0.73	0.69	0.66	0.63	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
09	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.5	0.56	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.5	0.44	0.38	0.31	0.25	0.19	0.13	0.66	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	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0
	0.83	0.81	0.79	0.77	0.74	0.72	0.7	0.68	0.66	0.85	0.83	0.8	0.78	0.76	0.73	0.71	0.68	0.66	0.87	0.85	0.83	0.8	0.77	0.74	0.72	0.69	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
10	0.19	0.19	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.25	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.56	0.19	0.25	0.31	0.31	0.38	0.44	0.5	0.56	0.63	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.19	0.13	0.66	0.88	0.88	0.88
	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	0.5	0.5	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.0	0.0	0.0	0.0	
	0.09	0.15	0.21	0.27	0.31	0.34	0.36	0.37	0.38	0.09	0.13	0.18	0.22	0.27	0.31	0.33	0.35	0.36	0.09	0.12	0.16	0.2	0.23	0.27	0.3	0.32	0.34	0.0	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
11	0.13	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.25	0.31	0.31	0.31	0.31	0.38	0.44	0.5	0.25	0.31	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	
	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0
	0.05	0.09	0.18	0.27	0.33	0.36	0.38	0.39	0.4	0.06	0.09	0.15	0.21	0.27	0.31	0.34	0.36	0.37	0.07	0.09	0.13	0.18	0.22	0.27	0.31	0.33	0.35	0.83	0.0	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	
12	0.19	0.25	0.31	0.31	0.38	0.44	0.5	0.56	0.63	0.25	0.3																														

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	-0.39	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

$u^*_{rel} = 89$

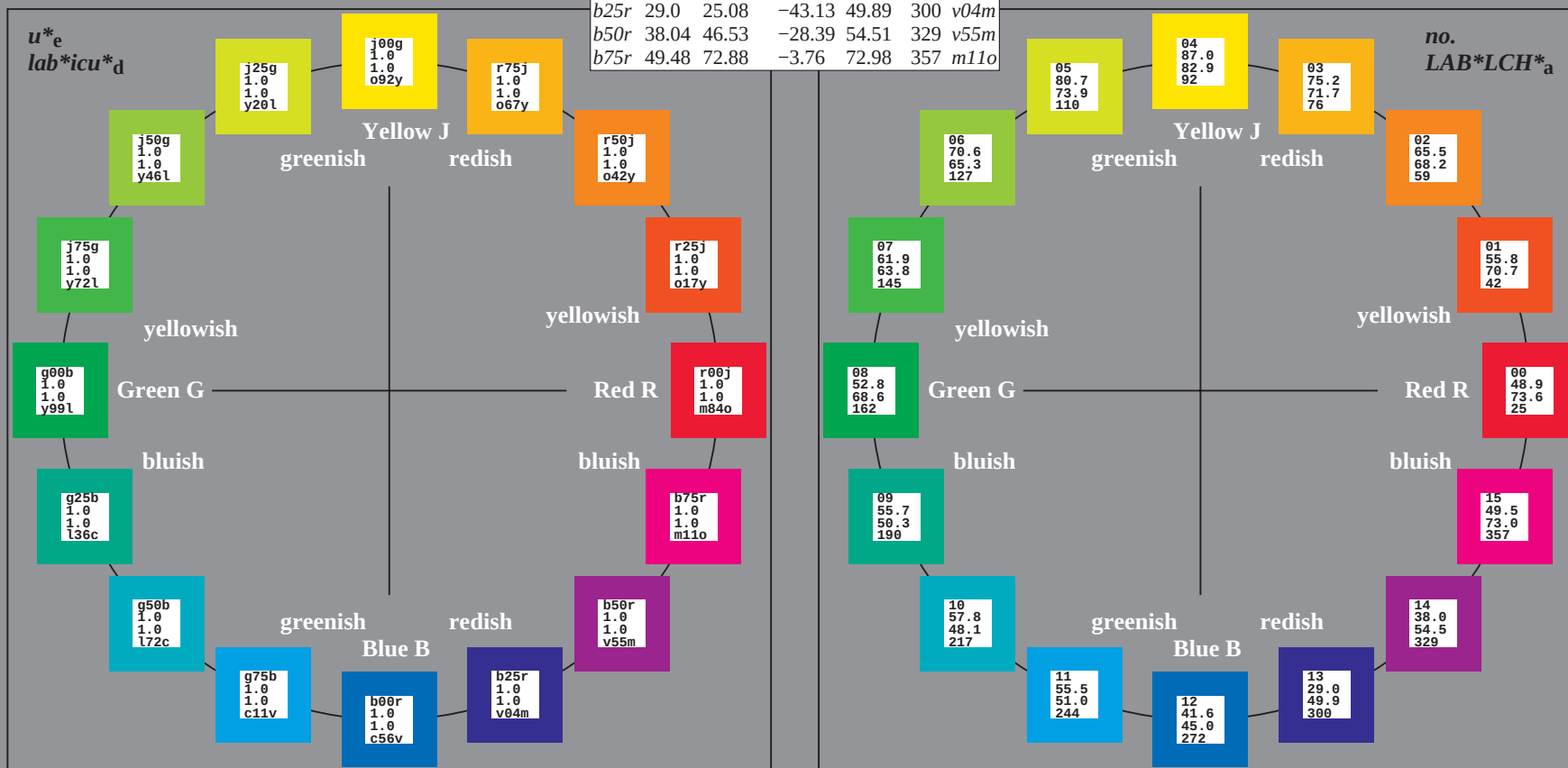
%Regularity

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

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

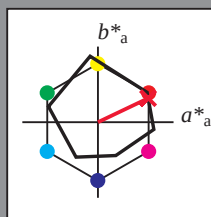
ORS19_96a; adapted (a) CIELAB data

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

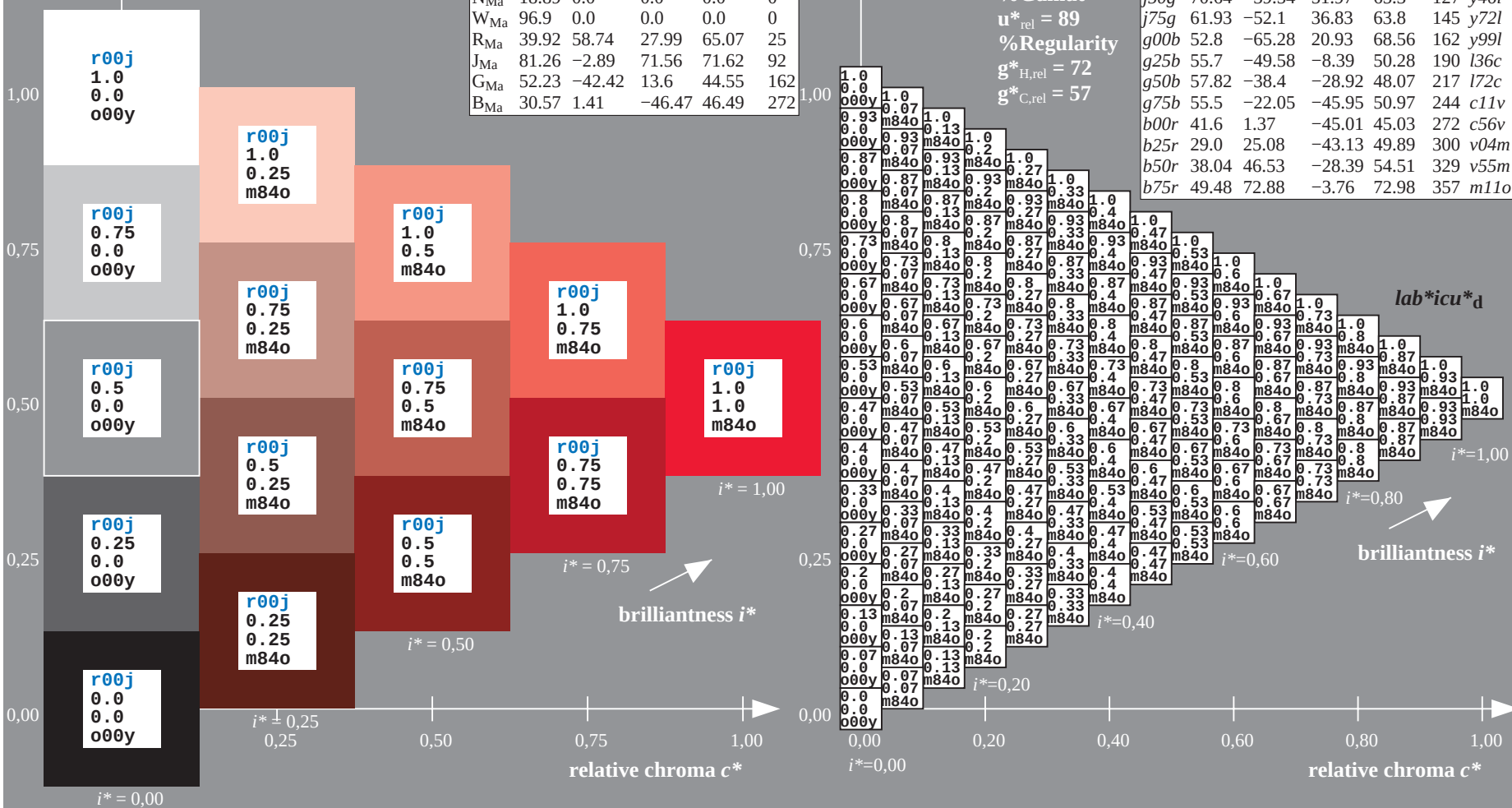
$u^*_{\text{rel}} = 89$

% Regularity

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

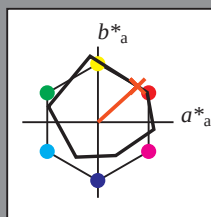
$g^*_{C,\text{rel}} = 57$

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

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

$i^* = 1.00$

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 $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:

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

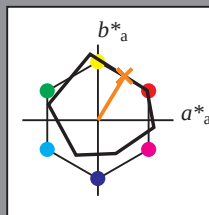
Hue texts:

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

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

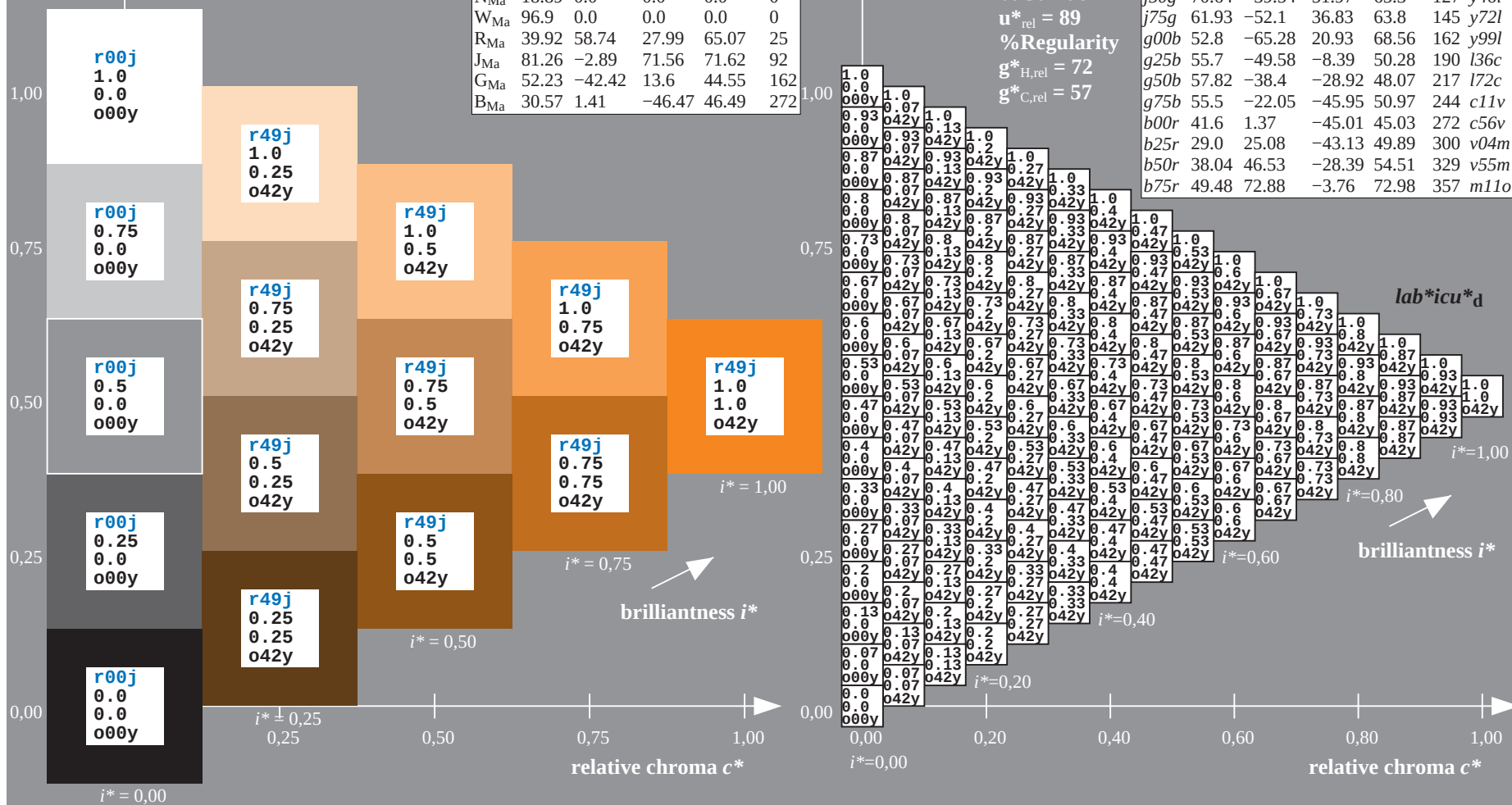
$u^*_{rel} = 89$

%Regularity

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

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

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

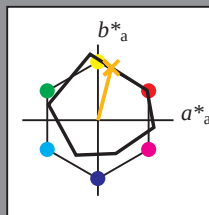
Hue texts:

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

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

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

$i^* = 1.00$

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^*

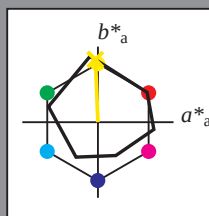
Hue texts:

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

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

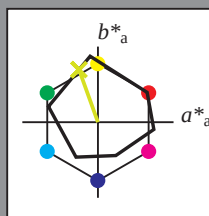
$g^*_{H,\text{rel}} = 72$

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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.305$
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	$C^*_{ab,a}$	$h^*_{ab,a}$
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

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

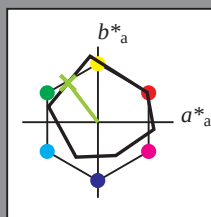
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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

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

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

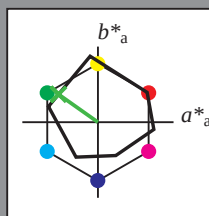
Hue texts:

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

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^*

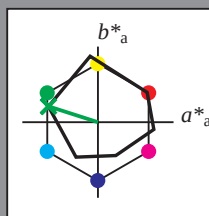
Hue texts:

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

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

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

$i^*=1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.527$

data for any colour:

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

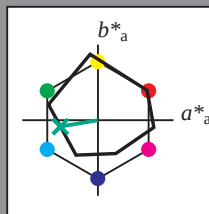
Hue texts:

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

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^*

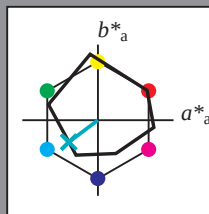
Hue texts:

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

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):

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

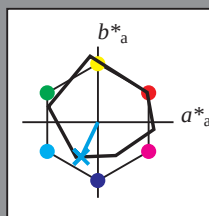
Hue texts:

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

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):

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

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

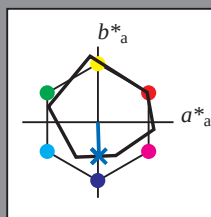
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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

$u_e^* = b00r$
 $\text{lab}^*icu^*_d$

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

$i^* = 1.00$

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^*

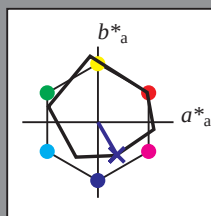
Hue texts:

$u^*_e = b25r$ $u^*_d = v04m$

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

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^*

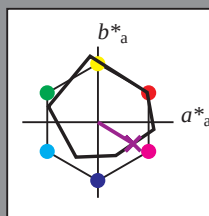
Hue texts:

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

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

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

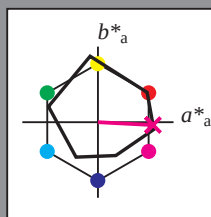
$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

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

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

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

See for similar files: <http://www.ps.bam.de/Ee38/>; www.ps.bam.de
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=1

BAM registration: 20081001-Ee38/10L/L38E00NA.PS/.TXT BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

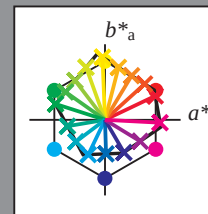
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*icu*d				
01	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0		
02	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	
03	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	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	1.0	1.0	0.0	0.0	0.0	0.0
04	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
05	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	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	0.0	0.0	0.0	0.0	
06	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	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	
07	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	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	1.0	0.0	0.0	0.0	0.0	
08	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	
09	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
10	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.75	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	
11	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	0.63	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	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
13	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.75	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	
15	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
16	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
17	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.75	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	
19	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
20	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
21	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.75	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	
23	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	0.63	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
24	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
26	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.75	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	
27	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63

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

u^*_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

$u^*_{rel} = 89$

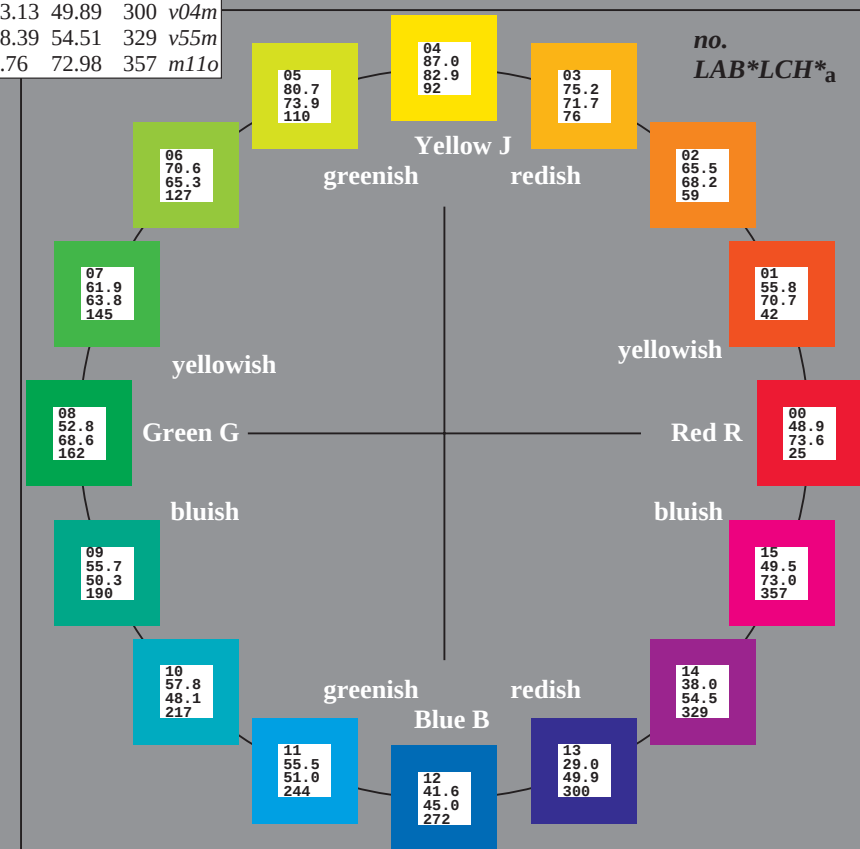
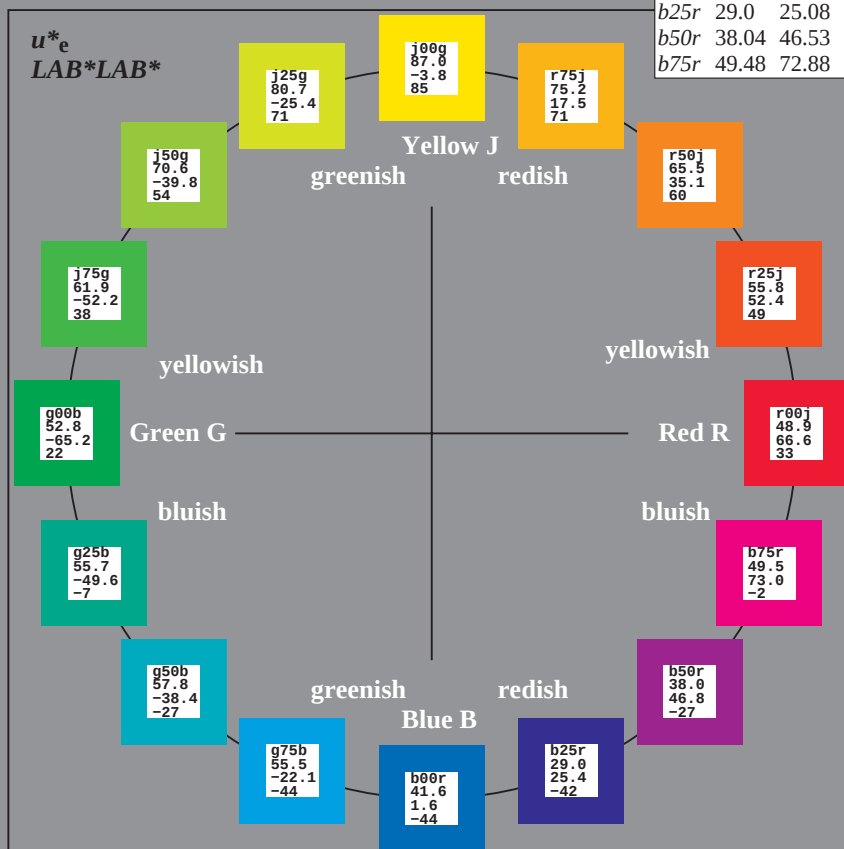
%Regularity

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

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

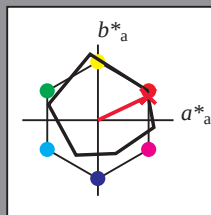
ORS19_96; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	-10.78	89.36	90.01	97
L_M	52.69	-65.4	22.15	69.05	161
C_M	59.61	-29.04	-44.69	53.3	237
V_M	28.39	24.0	-43.18	49.4	299
M_M	49.58	74.01	-8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	-0.57	2.23	2.3	104
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

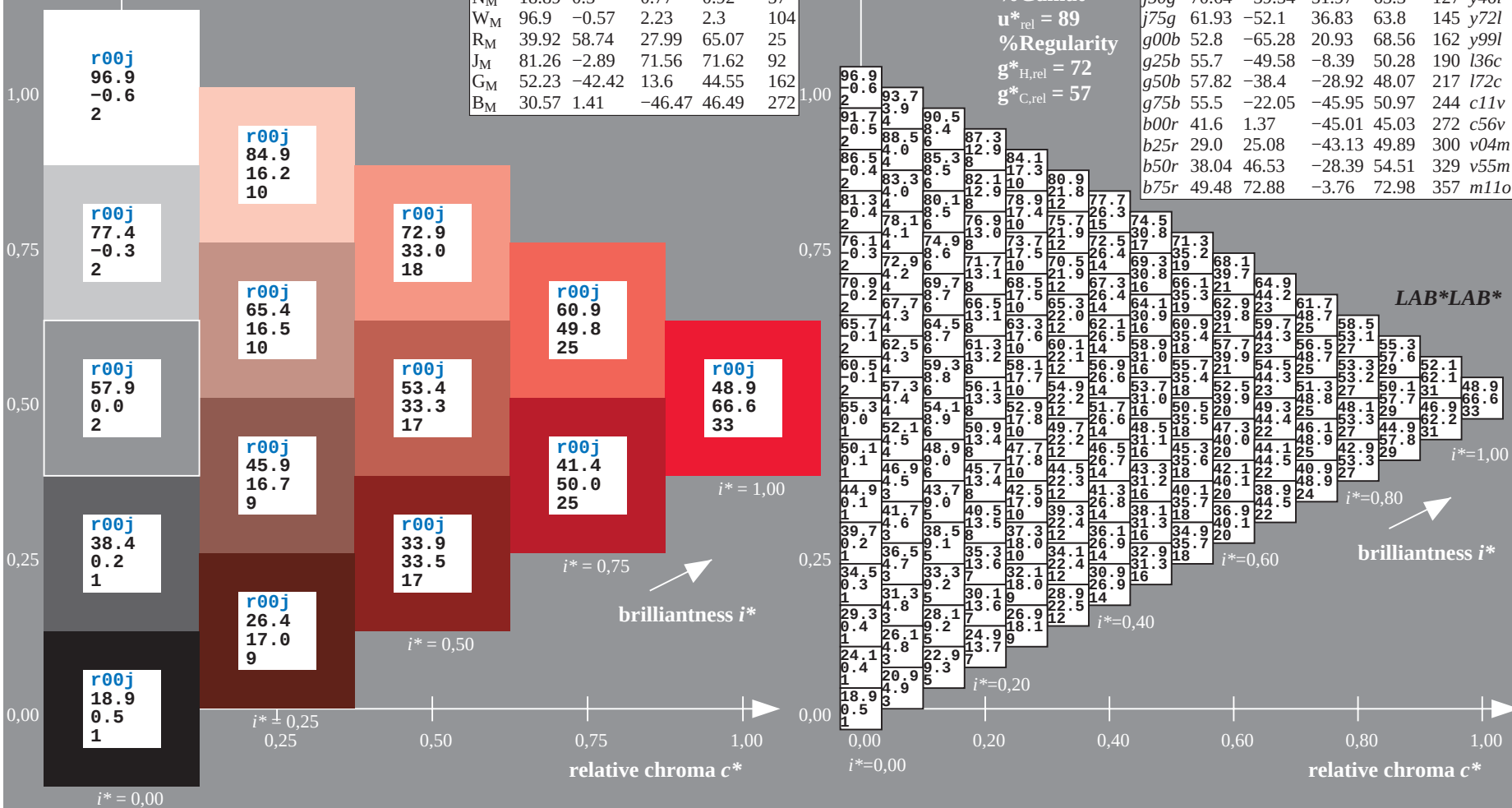
$u^*_{\text{rel}} = 89$

%Regularity

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

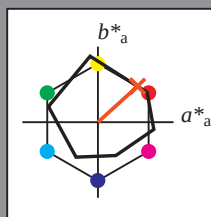
$g^*_{C,\text{rel}} = 57$

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	$L^*=L^*_a$	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			

LAB^*LAB^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

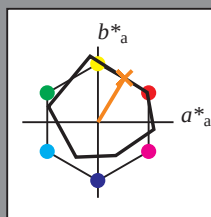
$i^*=0.00$

relative chroma c^*

relative chroma c^*

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

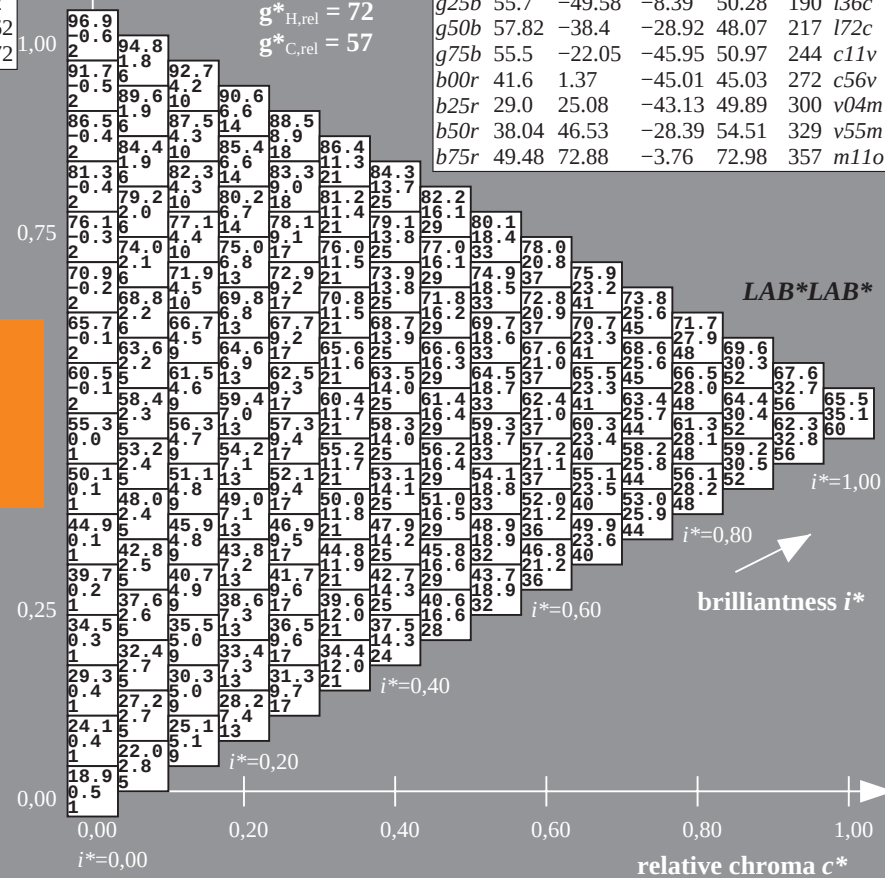
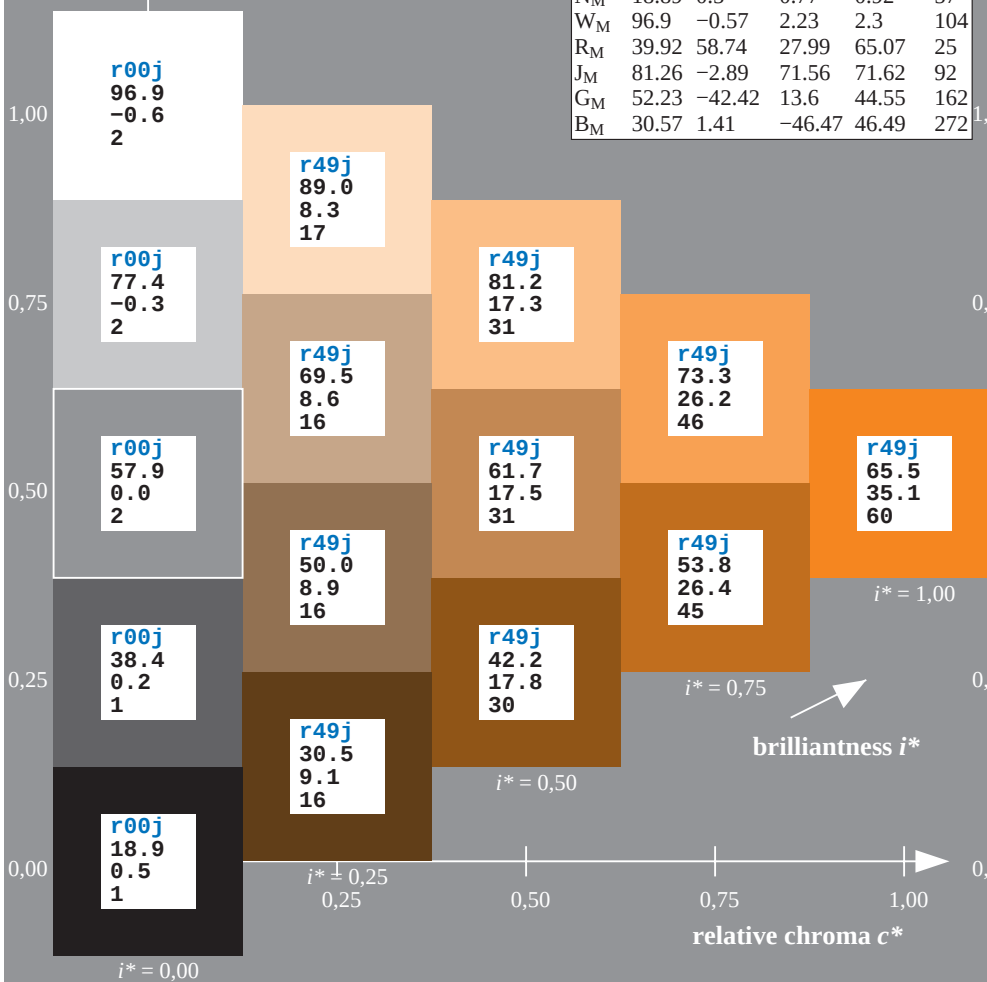
$u^*_{rel} = 89$

%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^*

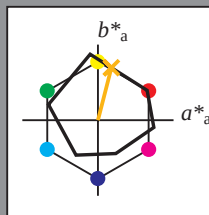
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_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):

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

LAB^*LAB^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

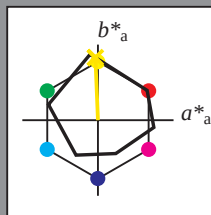
$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

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

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

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

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

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

triangle lightness t^*

%Gamut

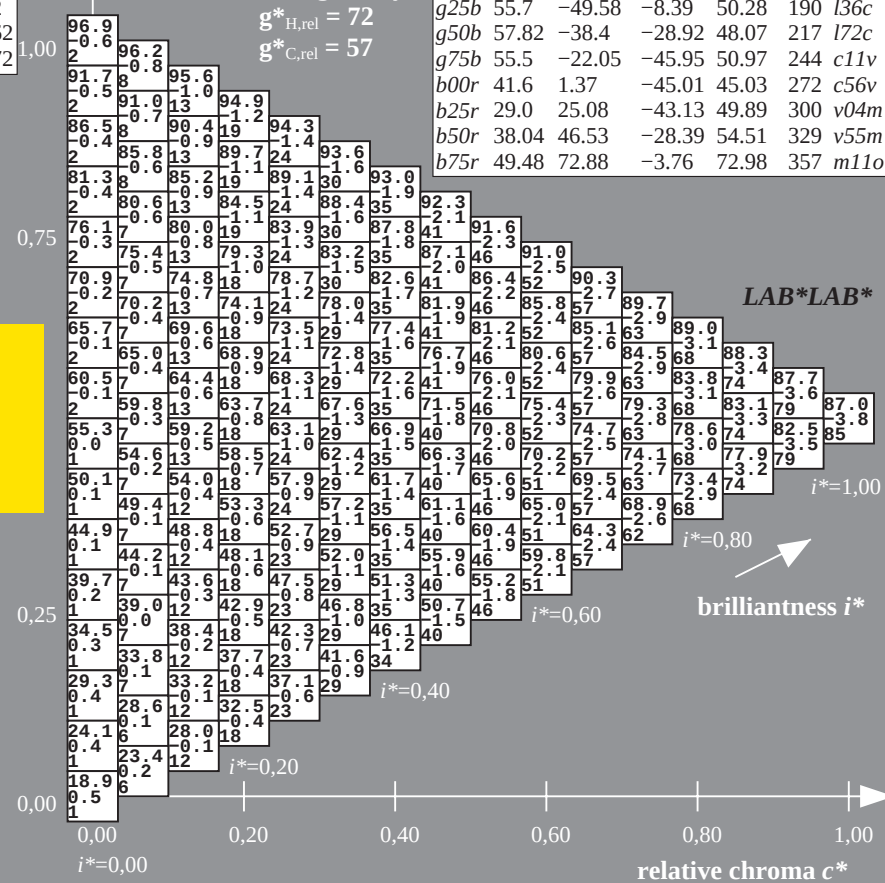
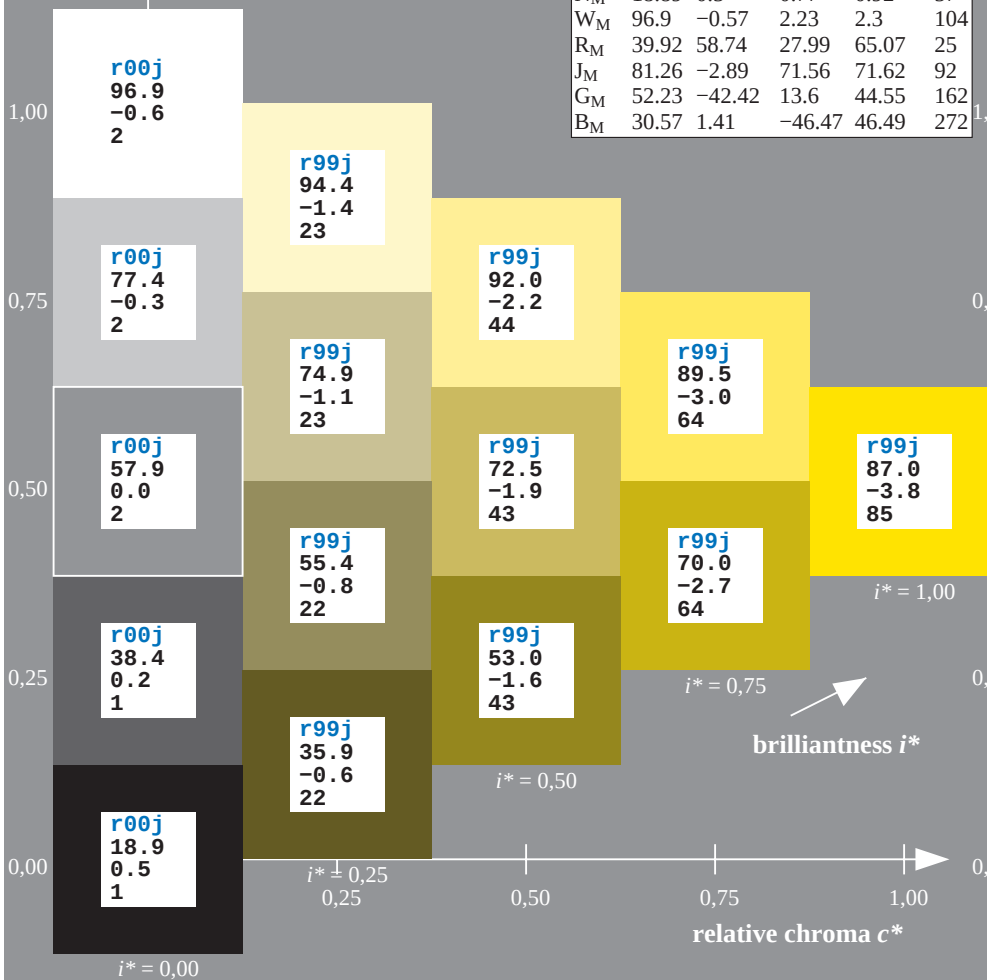
$u^*_{\text{rel}} = 89$

%Regularity

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

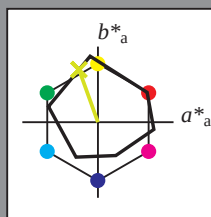
$g^*_{C,\text{rel}} = 57$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.305$
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

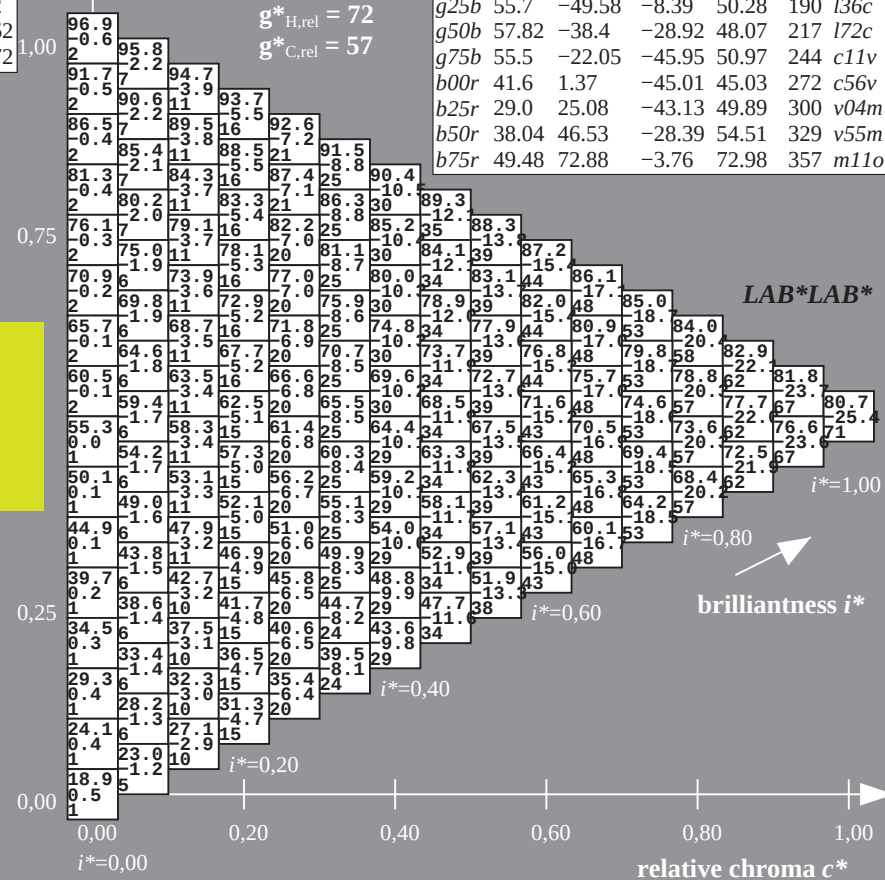
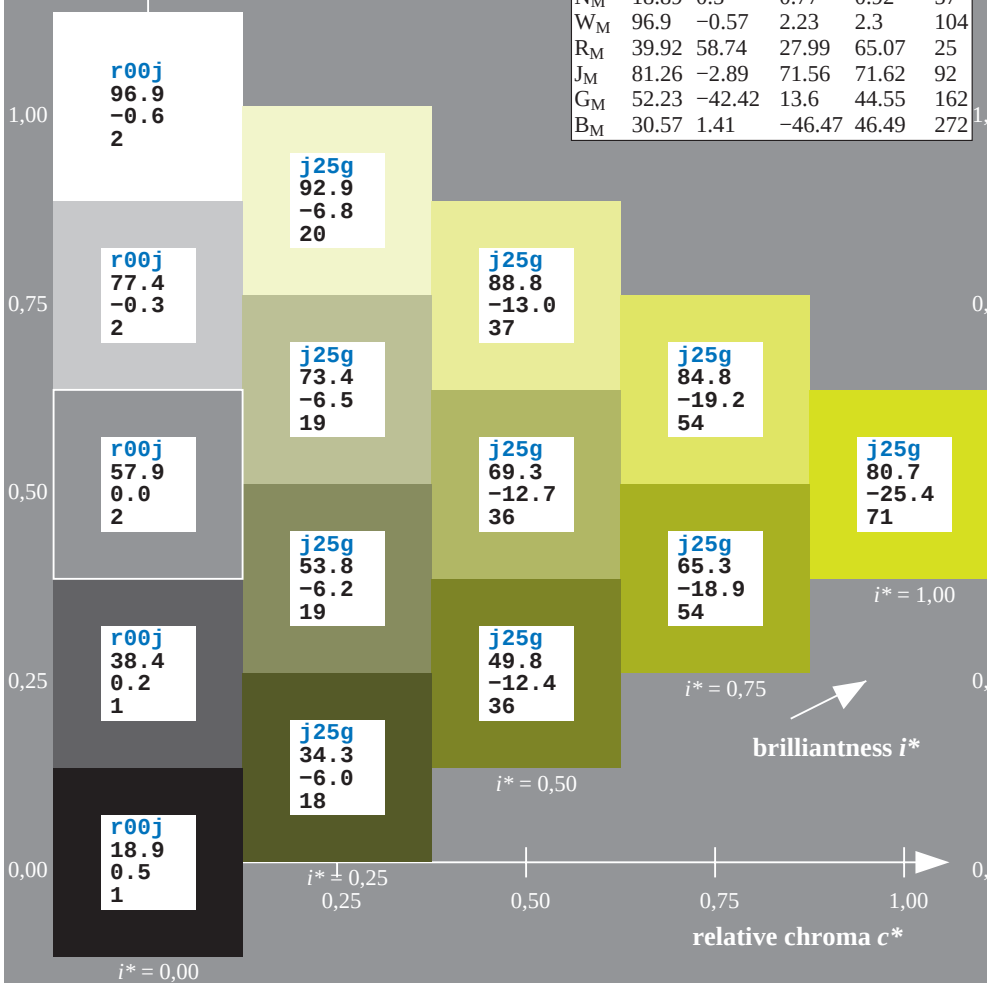
$u^*_{\text{rel}} = 89$

%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 $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

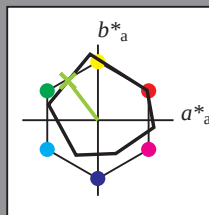
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data

u^*_e	$L^*=L^*$	a^*	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^*LAB^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

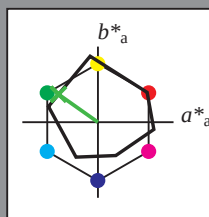
$i^*=0.00$

relative chroma c^*

relative chroma c^*

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

$u^*_{rel} = 89$

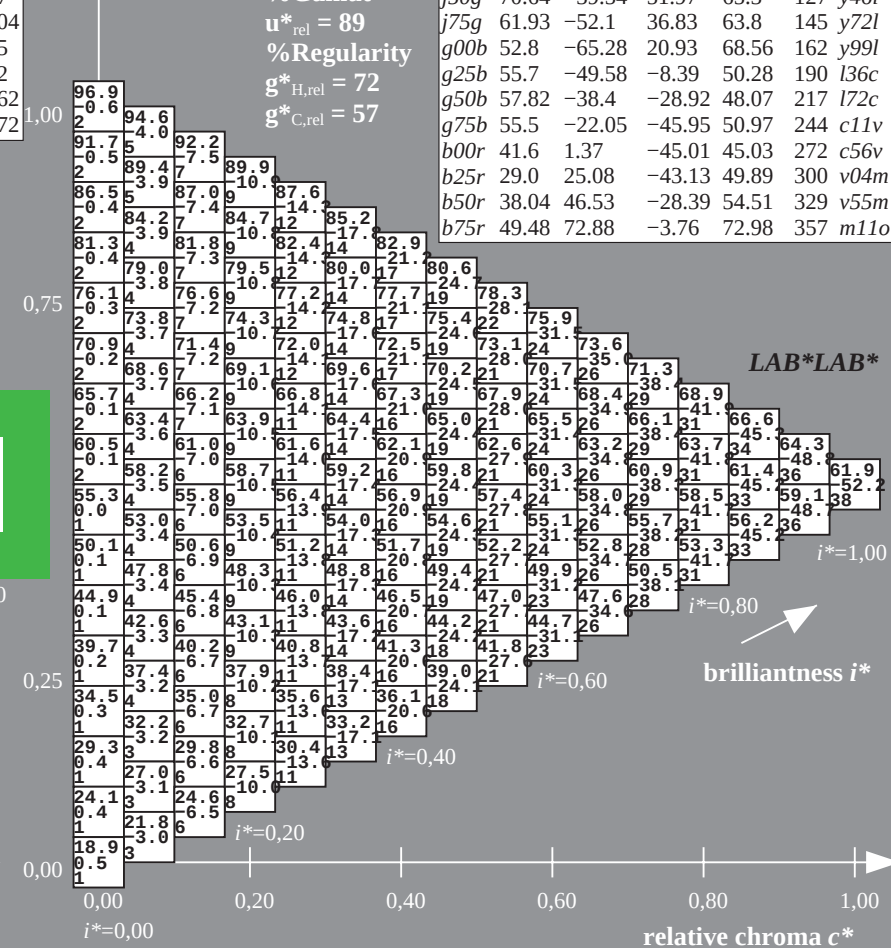
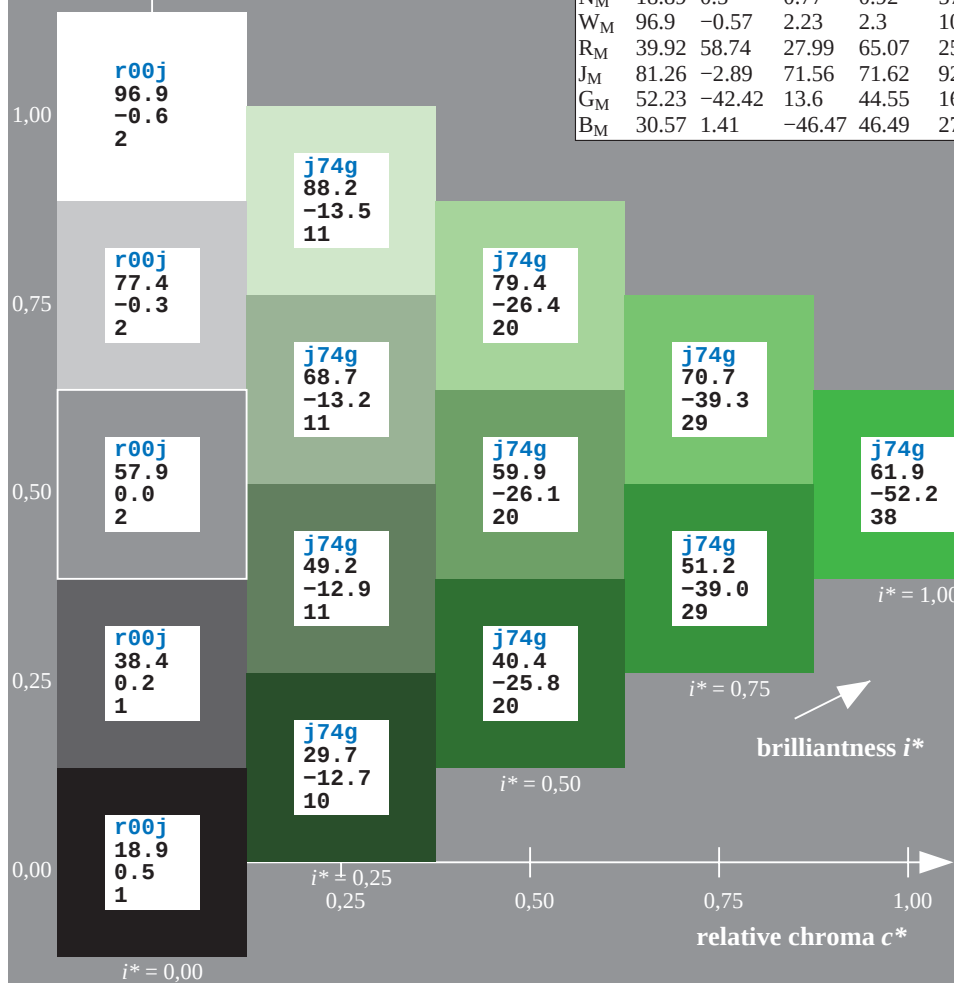
%Regularity

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

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

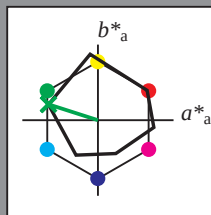
$u^*_e = j75g$
 LAB^*LAB^*

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_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

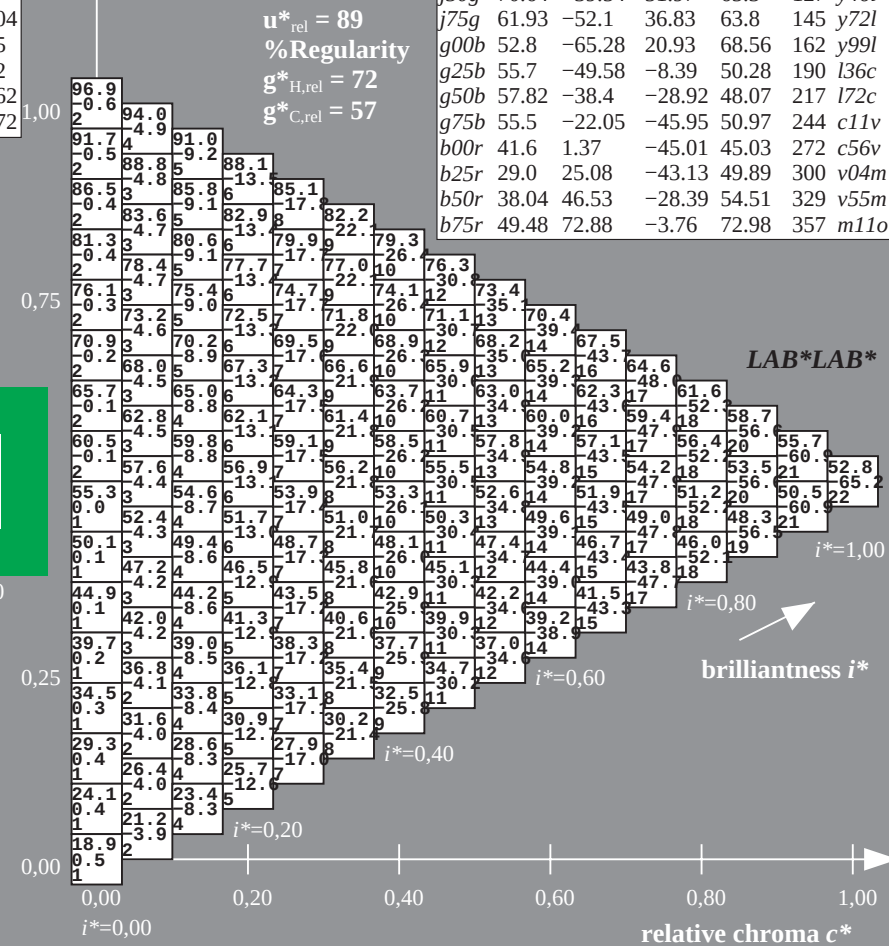
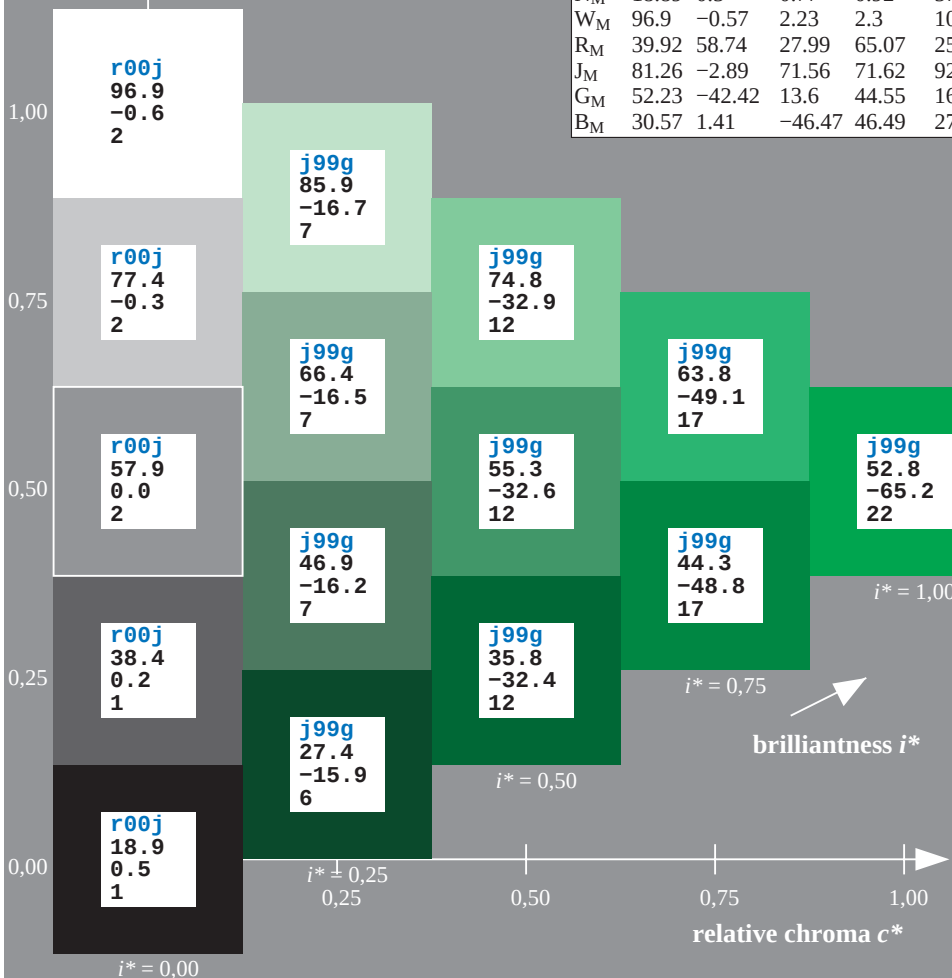
$u^*_{\text{rel}} = 89$

%Regularity

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

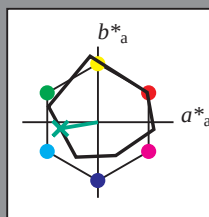
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data									
u_e^*	$L^*=L_a^*$	a^*	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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.527$
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^*

$i^*=1.00$

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

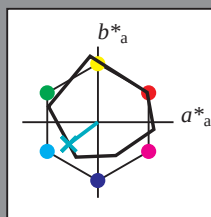
brilliantness i^*

relative chroma c^*

relative chroma c^*

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

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

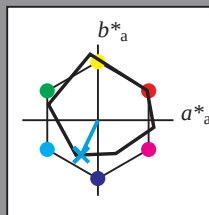
$i^*=0.20$

relative chroma c^*

relative chroma c^*

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

$u_e^* = g75b$

LAB^*LAB^*

LAB^*LAB^*

brilliantness i^*

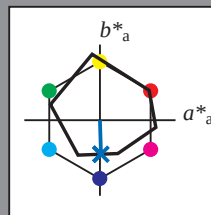
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab \cdot h^* = h_{ab}/360 = 0.755$
data for any colour: Data for maximum colour (Ma):

*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_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		16
C _M	59.61	-29.04	-44.69	53.3		23
V _M	28.39	24.0	-43.18	49.4		29
M _M	49.58	74.01	-8.22	74.47		35
N _M	18.89	0.5	0.77	0.92		57
W _M	96.9	-0.57	2.23	2.3		104
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*_M: 42 1 -45

LAB LAB Ma. 42 1 45
LAB*LGII* 45 45 254

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

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

%Regularity

$$g^*_{H,rel} = 72$$
$$g^*_{C,rel} = 57$$
$$u_e^* = b00r$$

LAB*LAB*

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>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>m11c</i>	

*LAB*LAB**

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

BAM-test chart Ee38; Colorimetric systems, Page 158/198
D65: colour scales and 9 data tables for 16 hues $r00j$ to $b75n$

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


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

data for any colour:

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

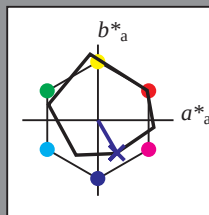
Hue texts:

$u^*_e = b25r$ $u^*_d = v04m$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_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):

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

LAB^*LAB^*

$i^* = 1.00$

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

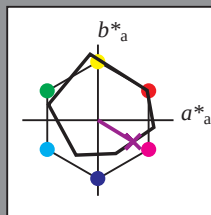
$i^* = 0.00$

$i^* = 0.00$

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

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

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

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

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

triangle lightness t^*

%Gamut

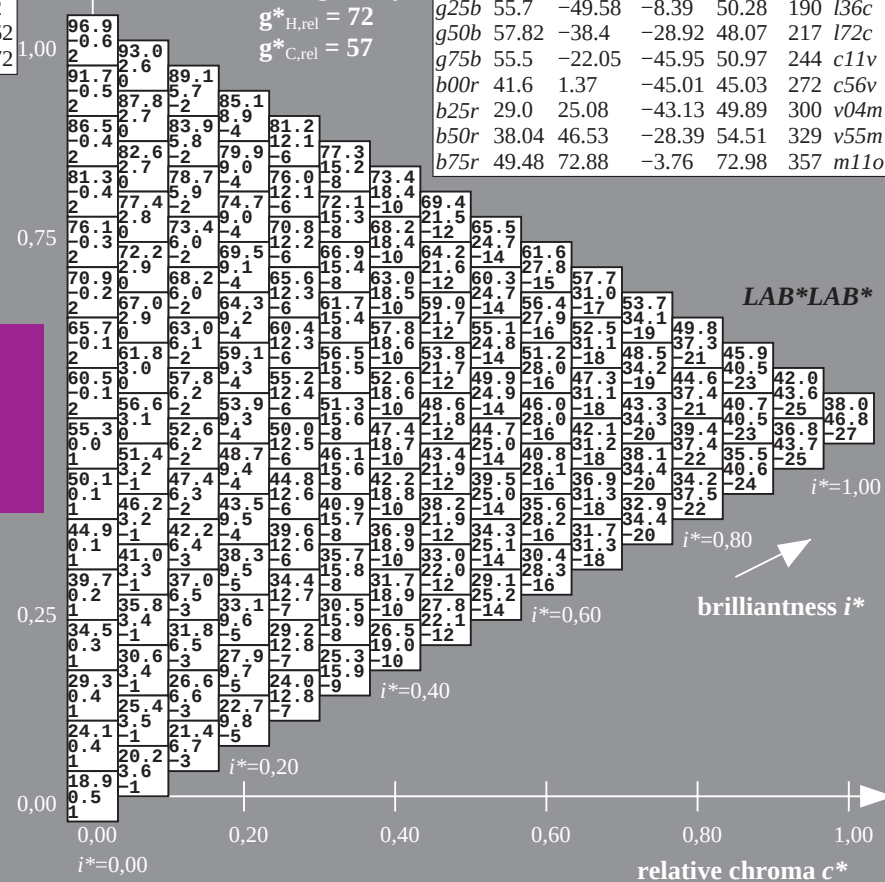
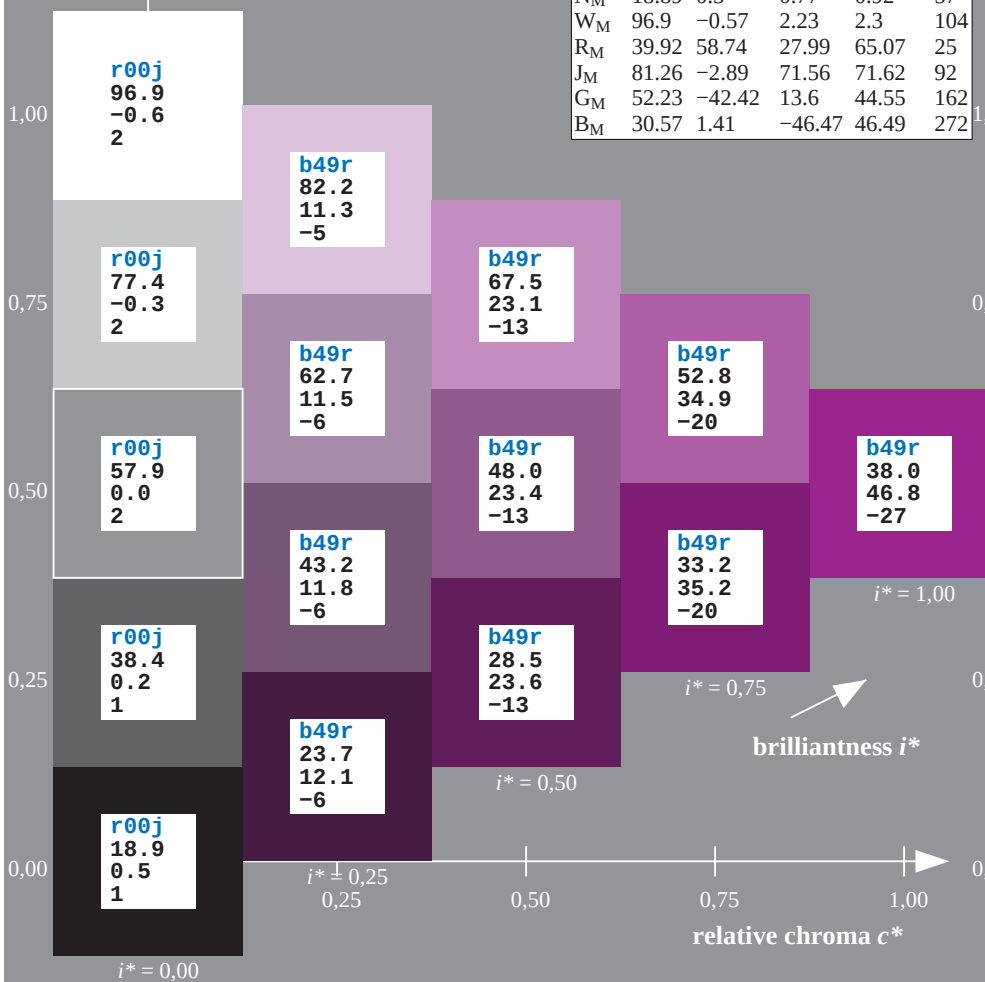
$u^*_{\text{rel}} = 89$

%Regularity

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

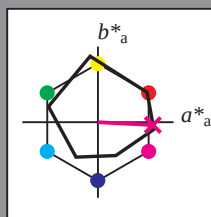
$g^*_{C,\text{rel}} = 57$

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_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

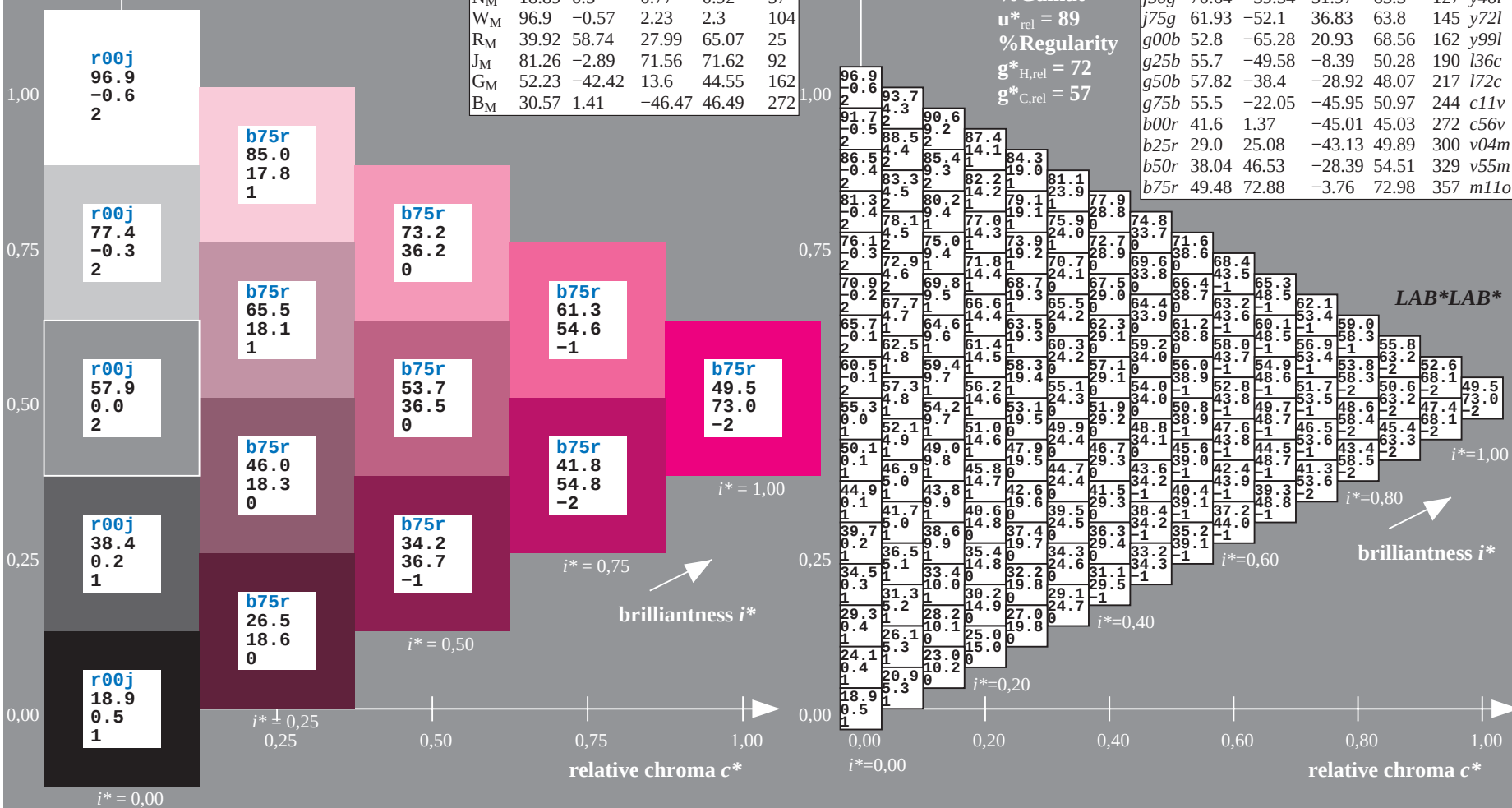
$u^*_{\text{rel}} = 89$

%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/Ee38/>; www.ps.bam.de
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=1

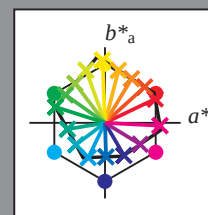
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
01	8.9	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	3895.7	3899.9	3904.1	3908.3	3912.5	3916.7	3920.9	3925.1	3929.3	3933.5	3937.7	3941.9	3946.1	3950.3	3954.5	3958.7	3962.9	3967.1	3971.3	3975.5	3979.7	3983.9	3988.1	3992.3	3996.5	4000.7	4004.9	4009.1	4013.3	4017.5	4021.7	4025.9	4030.1	4034.3	4038.5	4042.7	4046.9	4051.1	4055.3	4059.5	4063.7	4067.9	4072.1	4076.3	4080.5	4084.7	4088.9	4093.1	4097.3	4101.5	4105.7	4109.9	4114.1	4118.3	4122.5	4126.7	4130.9	4135.1	4139.3	4143.5	4147.7	4151.9	4156.1	4160.3	4164.5	4168.7	4172.9	4177.1	4181.3	4185.5	4189.7	4193.9	4198.1	4202.3	4206.5	4210.7	4214.9	4219.1	4223.3	4227.5	4231.7	4235.9	4240.1	4244.3	4248.5	4252.7	4256.9	4261.1	4265.3	4269.5	4273.7	4277.9	4282.1	4286.3	4290.5	4294.7	4298.9	4303.1	4307.3	4311.5	4315.7	4319.9	4324.1	4328.3	4332.5	4336.7	4340.9	4345.1	4349.3	4353.5	4357.7	4361.9	4366.1	4370.3	4374.5	4378.7	4382.9	4387.1	4391.3	4395.5	4399.7	4403.9	4408.1	4412.3	4416.5	4420.7	4424.9	4429.1	4433.3	4437.5	4441.7	4445.9	4450.1	4454.3	4458.5	4462.7	4466.9	4471.1	4475.3	4479.5	4483.7	4487.9	4492.1	4496.3	4500.5	4504.7	4508.9	4513.1	4517.3	4521.5	4525.7	4529.9	4534.1	4538.3	4542.5	4546.7	4550.9	4555.1	4559.3	4563.5	4567.7	4571.9	4576.1	4580.3	4584.5	4588.7	4592.9	4597.1	4601.3	4605.5	4609.7	4613.9	4618.1	4622.3	4626.5	4630.7	4634.9	4639.1	4643.3	4647.5	4651.7	4655.9	4660.1	4664

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	-0.39	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

$u^*_{rel} = 89$

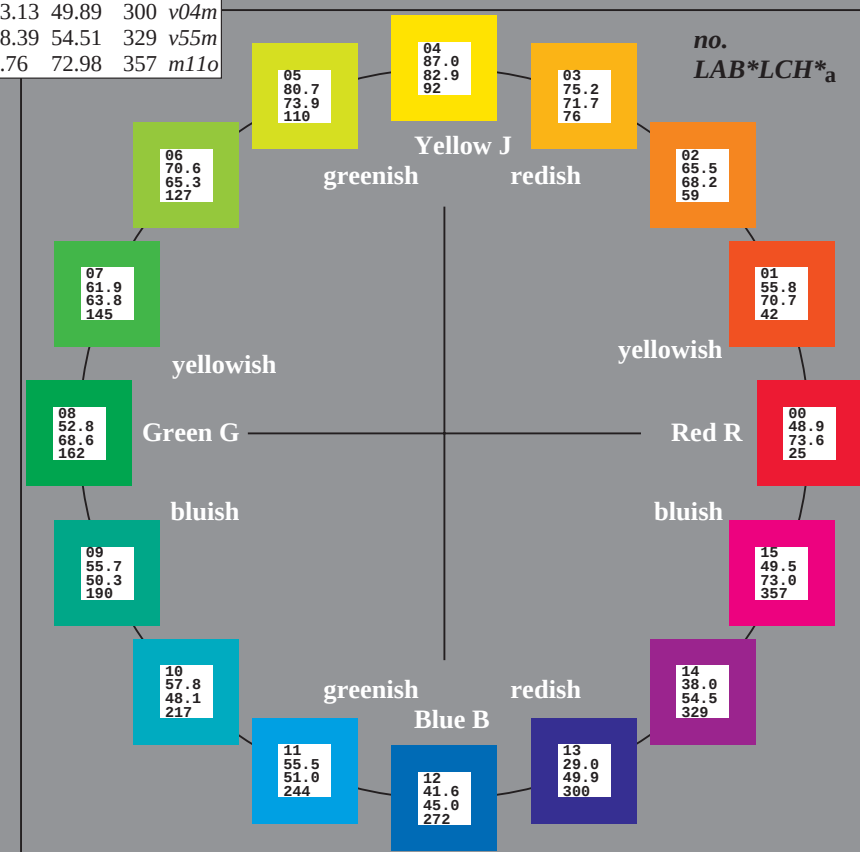
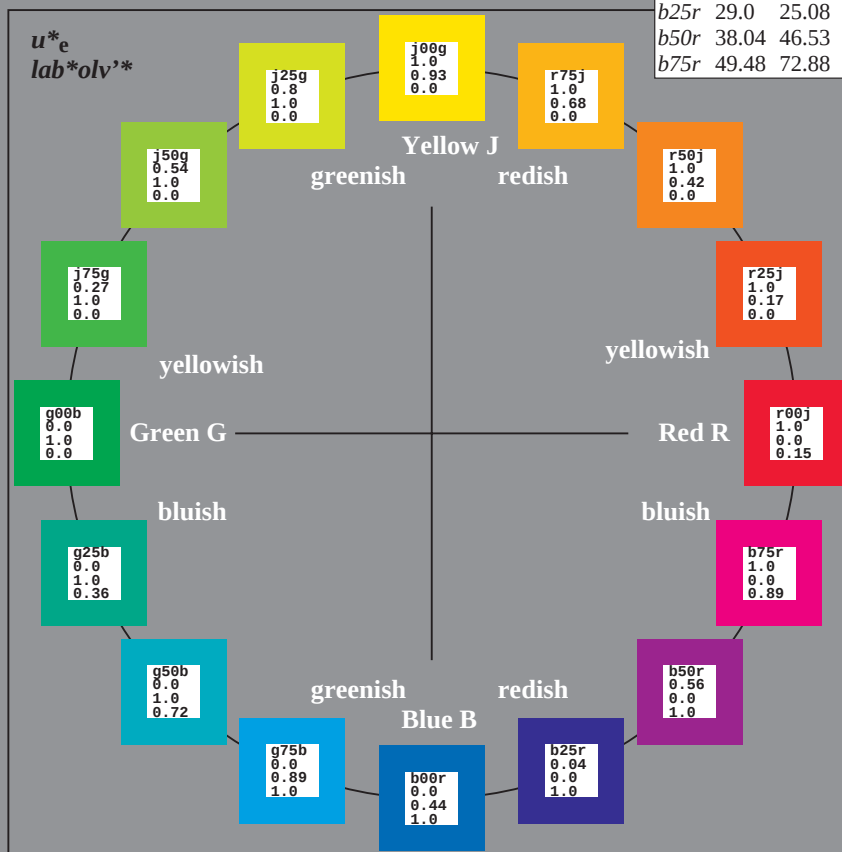
%Regularity

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

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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.071$

data for any colour:

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

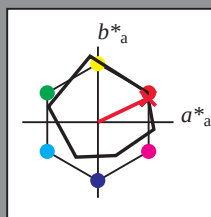
Hue texts:

$u^*_e = r00j$ $u^*_d = m84o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_e	$L^*=L^*$	a^*	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

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

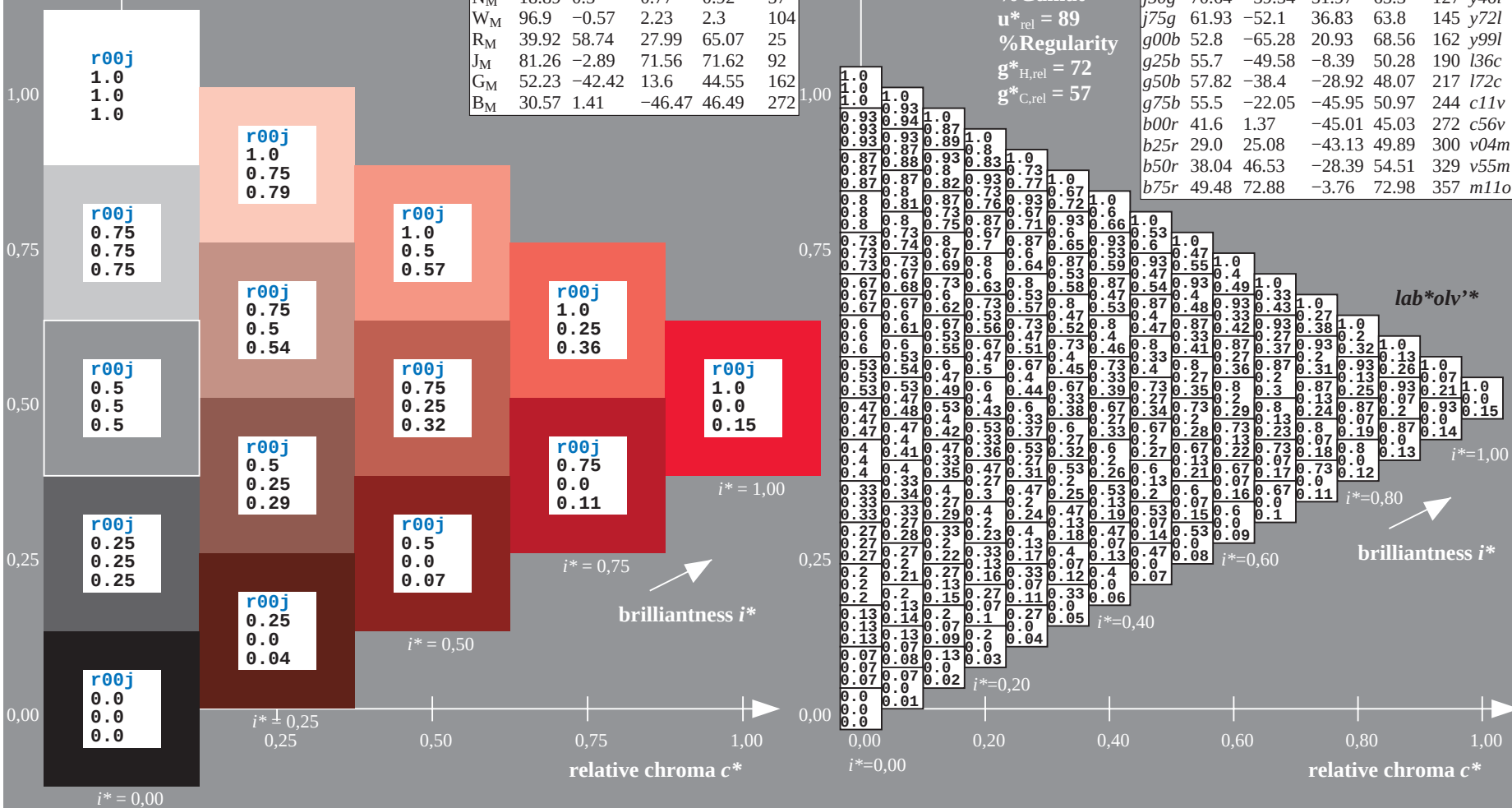
% Regularity

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

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

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 $h^* = lab^*h^* = h_{ab}/360 = 0.117$

data for any colour:

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

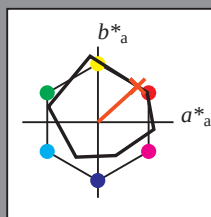
Hue texts:

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

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):

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.164$

data for any colour:

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

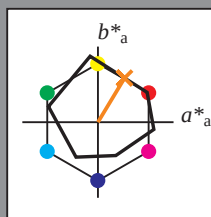
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_e	$L^*=L^*$	a^*	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	$m11o$

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^*

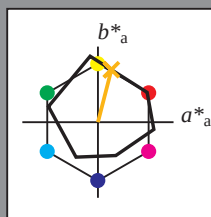
Hue texts:

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

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):

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

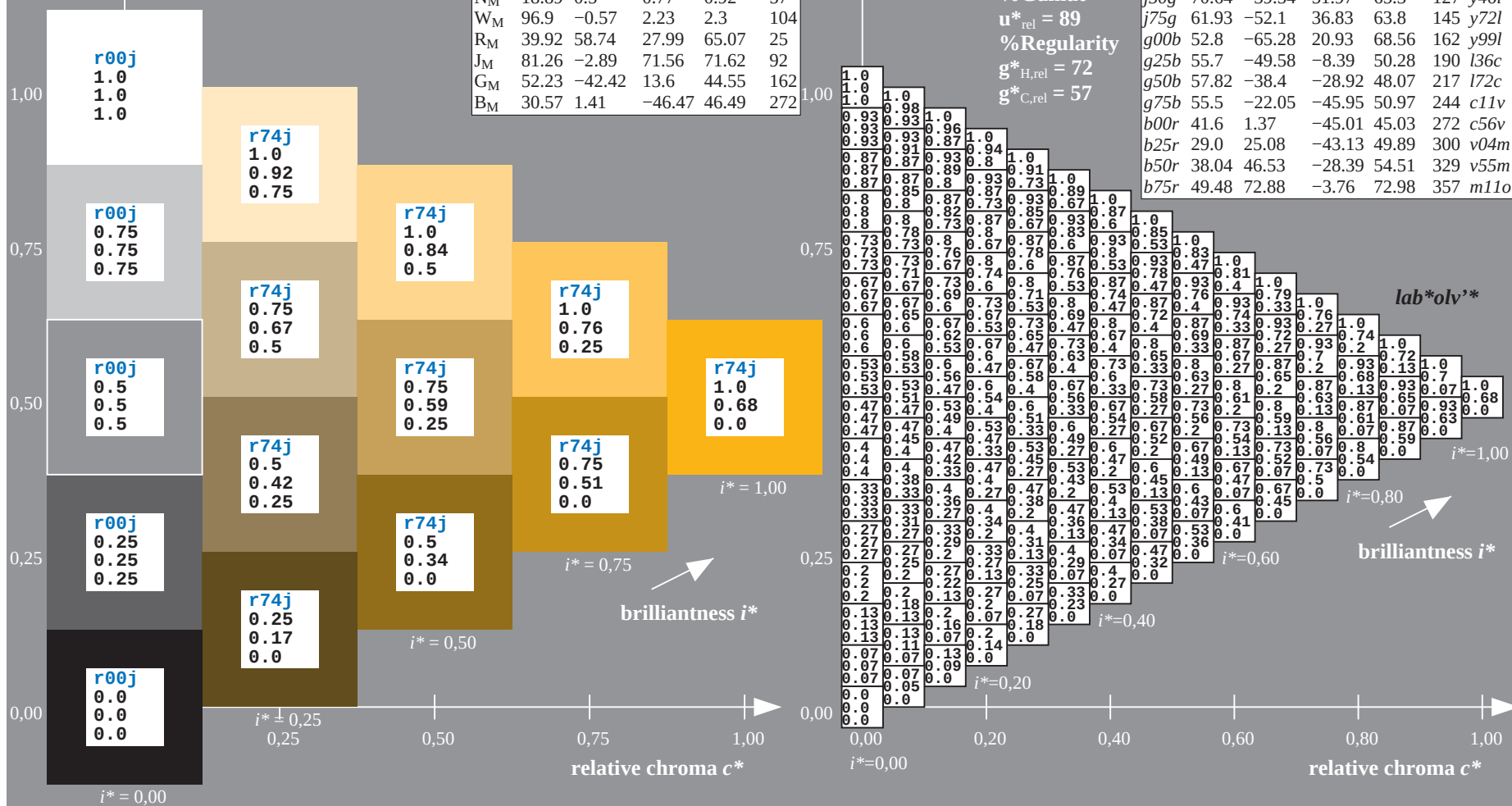
$u^*_{\text{rel}} = 89$

% Regularity

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

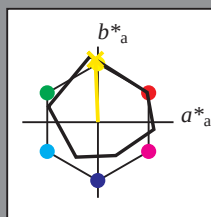
$g^*_{C,\text{rel}} = 57$

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; 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):

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

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

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

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

triangle lightness t^*

% Gamut

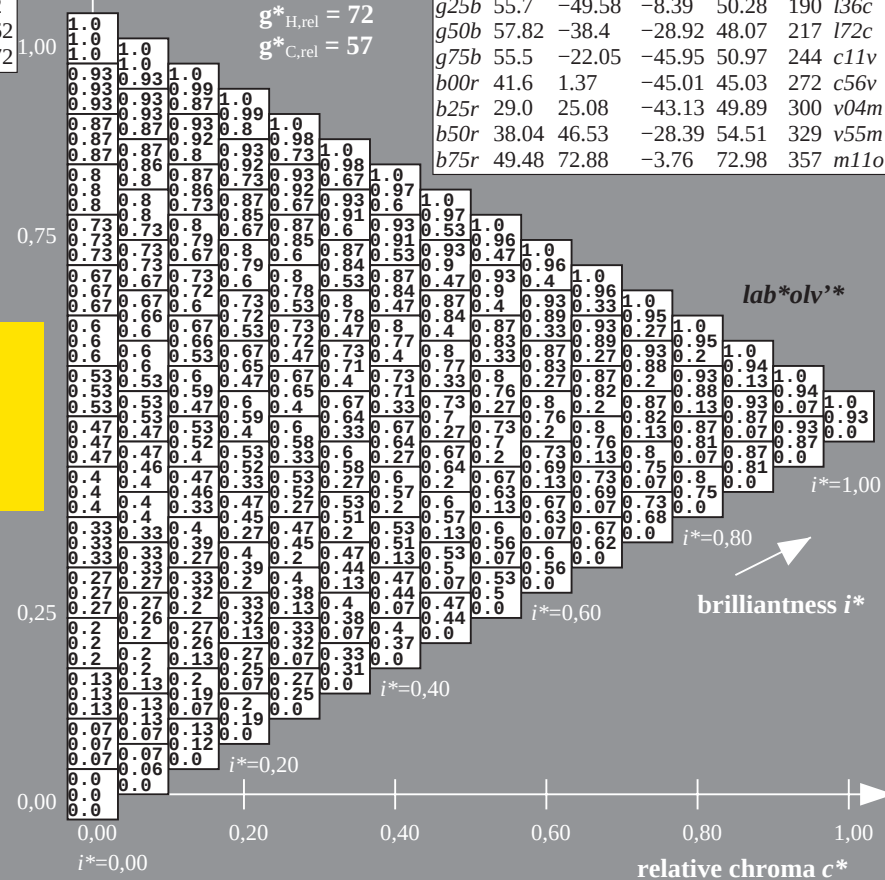
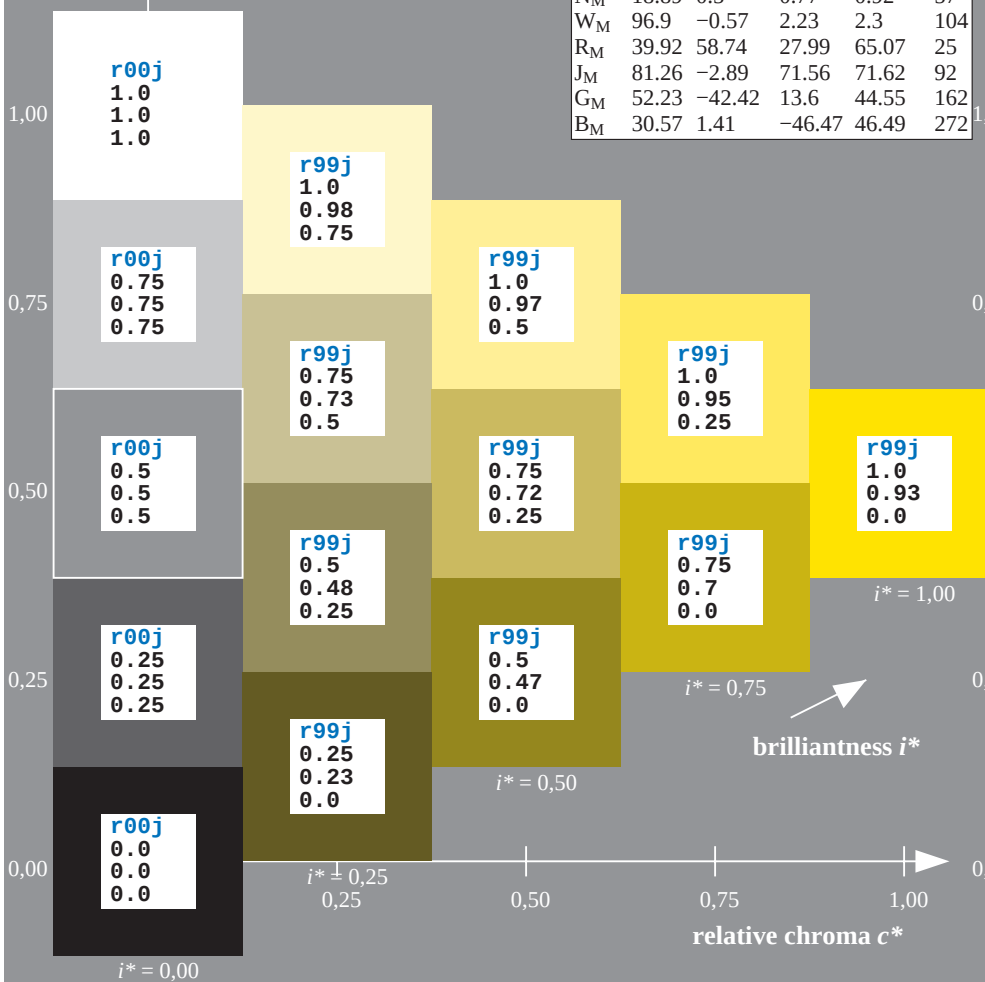
$u^*_{\text{rel}} = 89$

% 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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

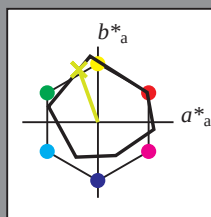
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_e	$L^*=L^*$	a^*	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

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

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

data for any colour:

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

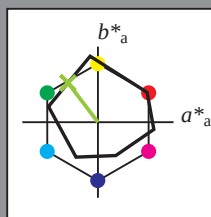
Hue texts:

$u_e^* = j50g$ $u_d^* = y46l$

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):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 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	$m11o$

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^*

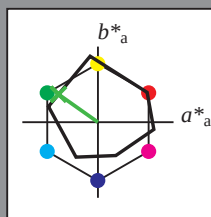
Hue texts:

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

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

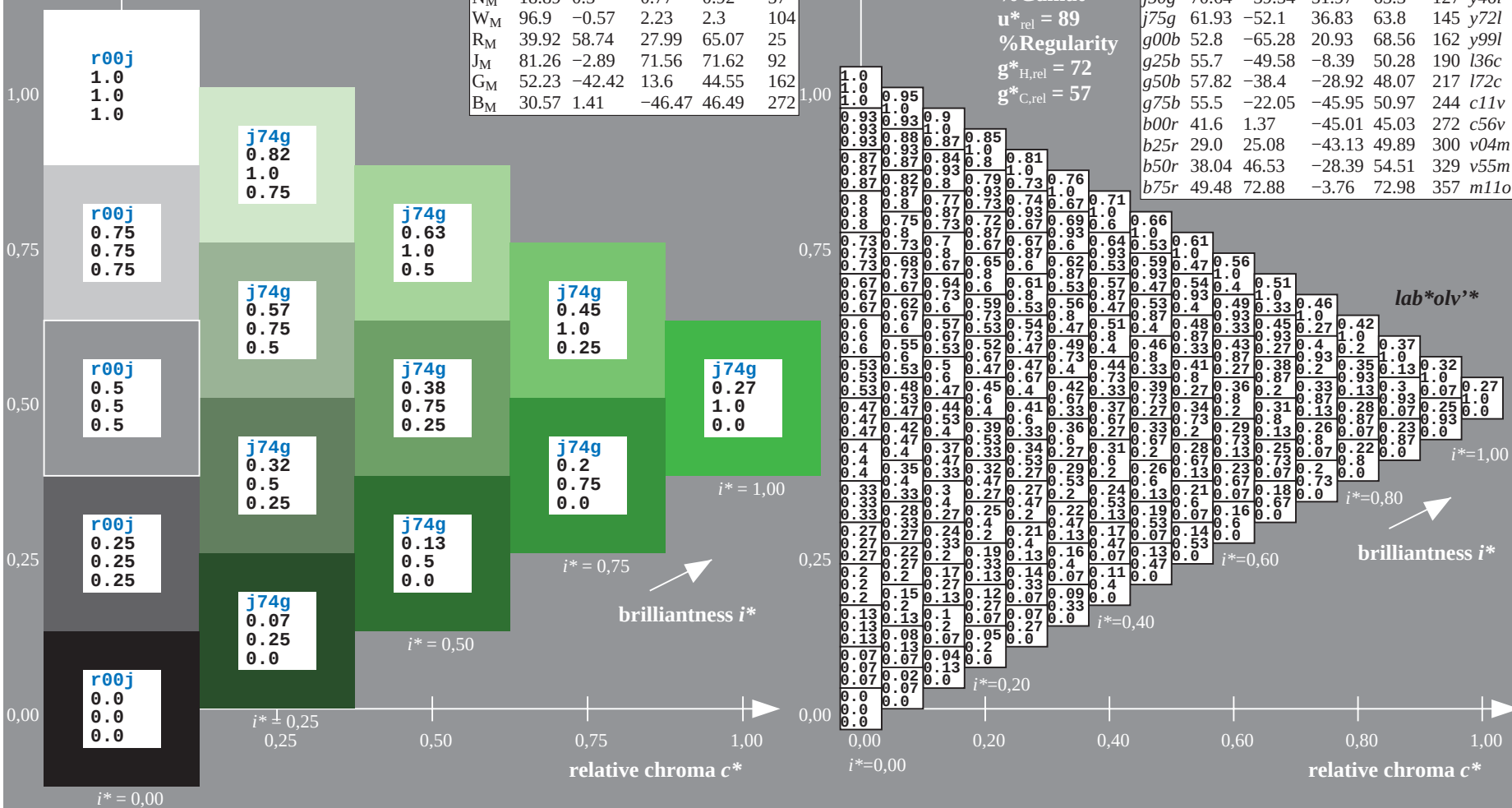
$u^*_{\text{rel}} = 89$

%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			



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^*

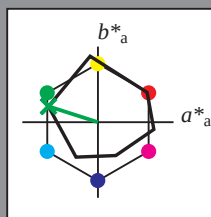
Hue texts:

$u_e^* = g00b$ $u_d^* = y99l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u_e^*	$L^*=L^*$	a^*	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

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

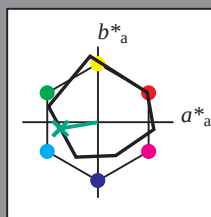
$i^* = 0.00$

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^*	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

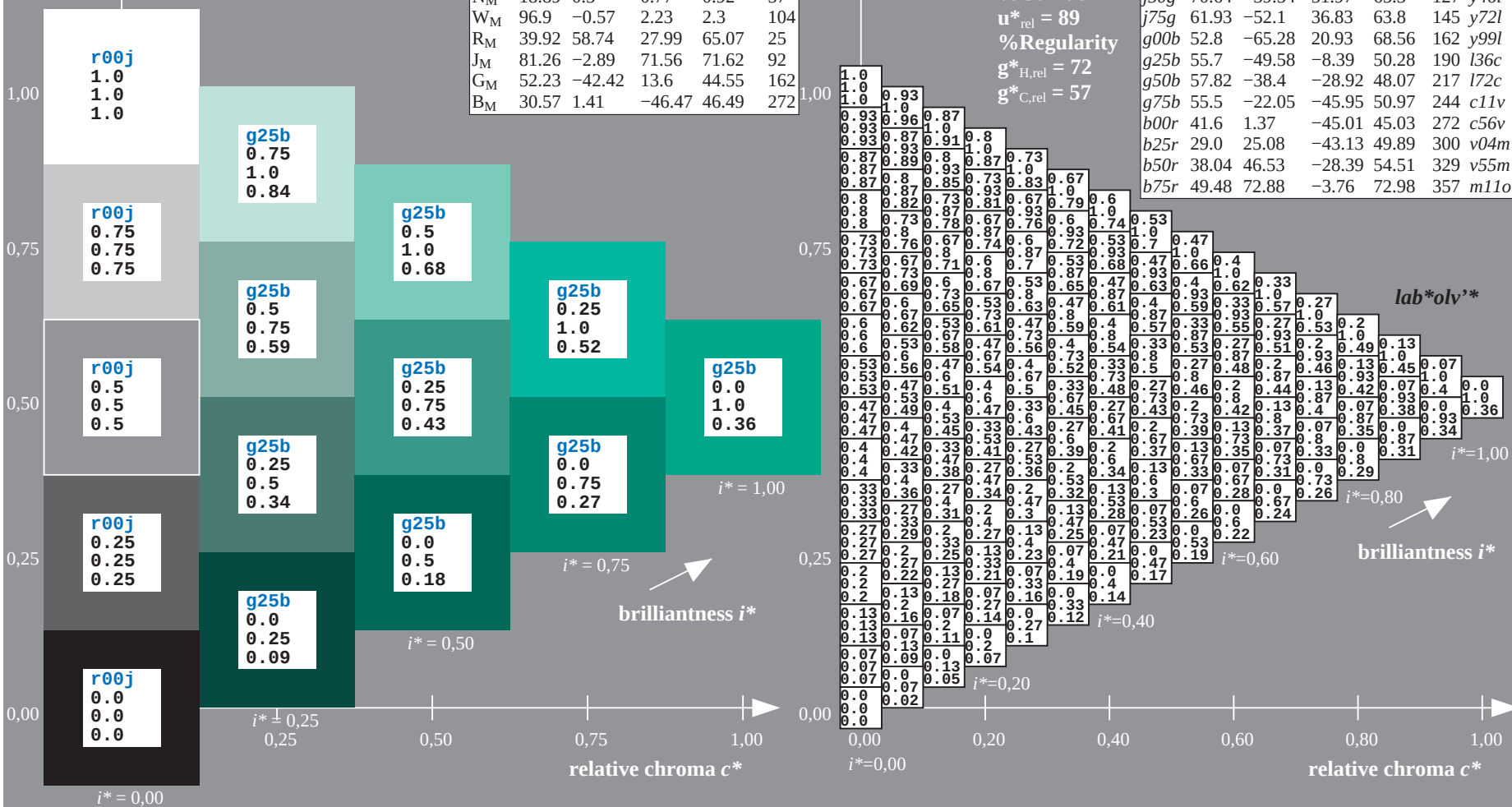
$u^*_{\text{rel}} = 89$

% 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^*

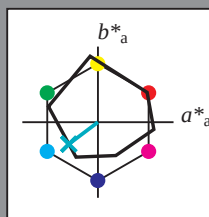
Hue texts:

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

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^*

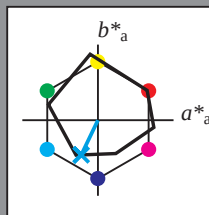
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_e	$L^*=L^*_a$	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

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

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

data for any colour:

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

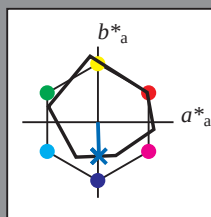
Hue texts:

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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.834$

data for any colour:

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

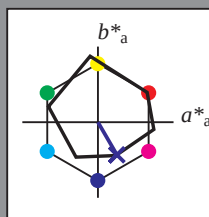
Hue texts:

$u^*_e = b25r$ $u^*_d = v04m$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; 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):

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

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

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

data for any colour:

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

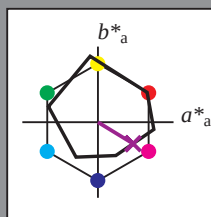
Hue texts:

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

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):

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

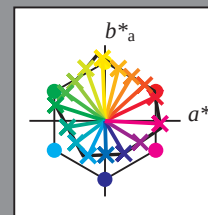
relative chroma c^*

Input and output:
Colorimetric Printer Reflective System ORS19_96a
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	-0.39	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

$u^*_{rel} = 89$

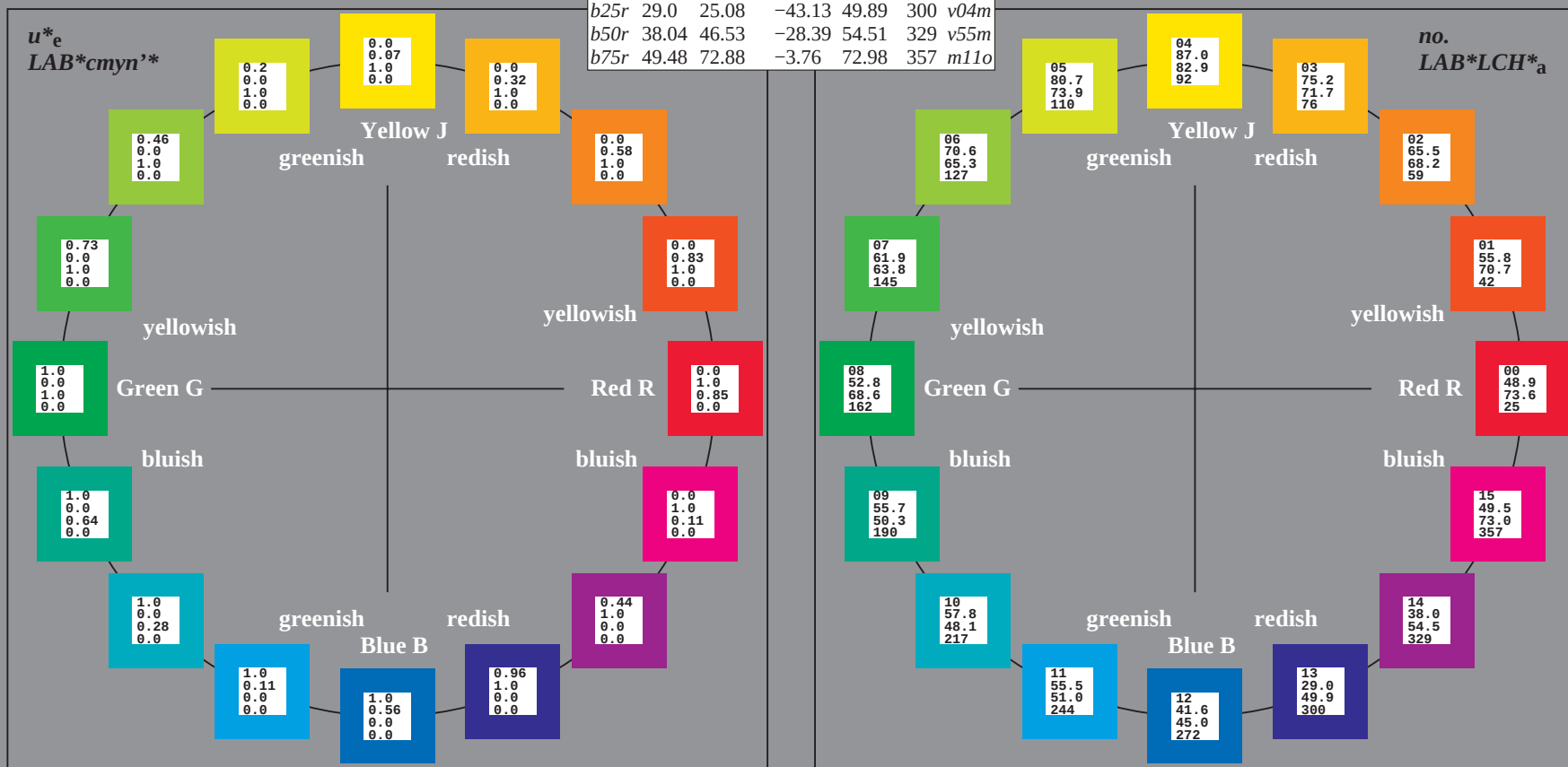
%Regularity

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

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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.071$

data for any colour:

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

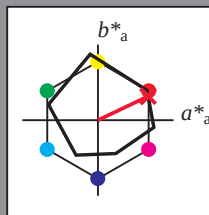
Hue texts:

$u^*_e = r00j$ $u^*_d = m84o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_e	$L^*=L^*$	a^*	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

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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

data for any colour:

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

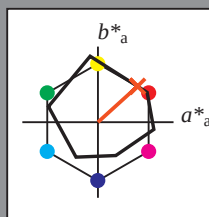
Hue texts:

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

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):

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

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

$i^*=1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.164$

data for any colour:

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

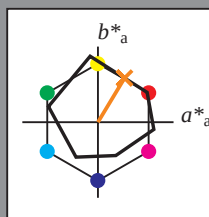
Hue texts:

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

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	

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

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

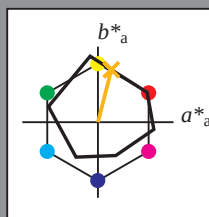
$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.21$
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^*	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	$C^*_{ab,a}$	$h^*_{ab,a}$
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

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

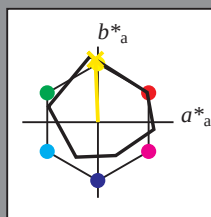
$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

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

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

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

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

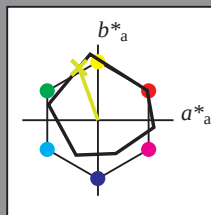
Hue texts:

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

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):

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

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

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

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

data for any colour:

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

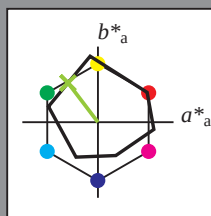
Hue texts:

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

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):

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

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

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

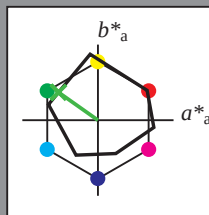
Hue texts:

$u_e^* = j75g$ $u_d^* = y72l$

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

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

$i^* = 1.00$

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

data for any colour:

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

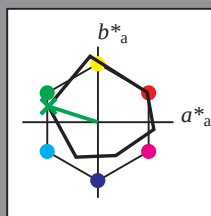
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data						
u^*_e	$L^*=L^*$	a^*	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			

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

$i^*=1.00$

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^*

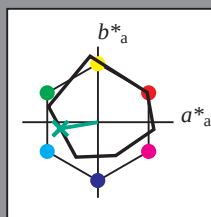
Hue texts:

$u_e^* = g25b$ $u_d^* = l36c$

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):

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

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

$i^* = 1.00$

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^*

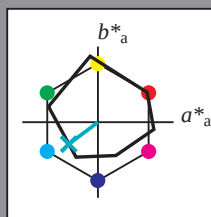
Hue texts:

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

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):

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

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

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

$u^*_e = g50b$
 $\text{LAB}^*\text{cmyn}^*_{\text{Ma}}$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.679$

data for any colour:

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

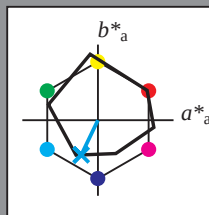
Hue texts:

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

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):

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

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

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

$u^*_e = g75b$

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

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

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

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

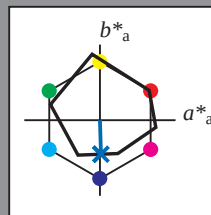
Hue texts:

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

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

$u^*_e = b00r$
 $\text{LAB}^*\text{cmy}n^*_{\text{Ma}}$

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

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.834$

data for any colour:

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

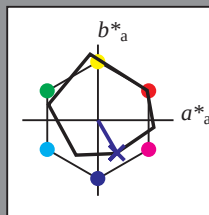
Hue texts:

$u^*_e = b25r$ $u^*_d = v04m$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; 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):

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

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

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

$u^*_e = b25r$

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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.913$

data for any colour:

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

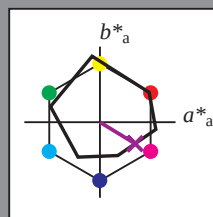
Hue texts:

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

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^*_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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.992$

data for any colour:

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

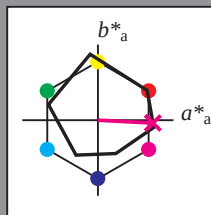
Hue texts:

$u_e^* = b75r$ $u_d^* = m11o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u_e^*	$L^*=L^*$	a^*	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):

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

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

[illegible]