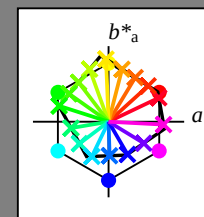


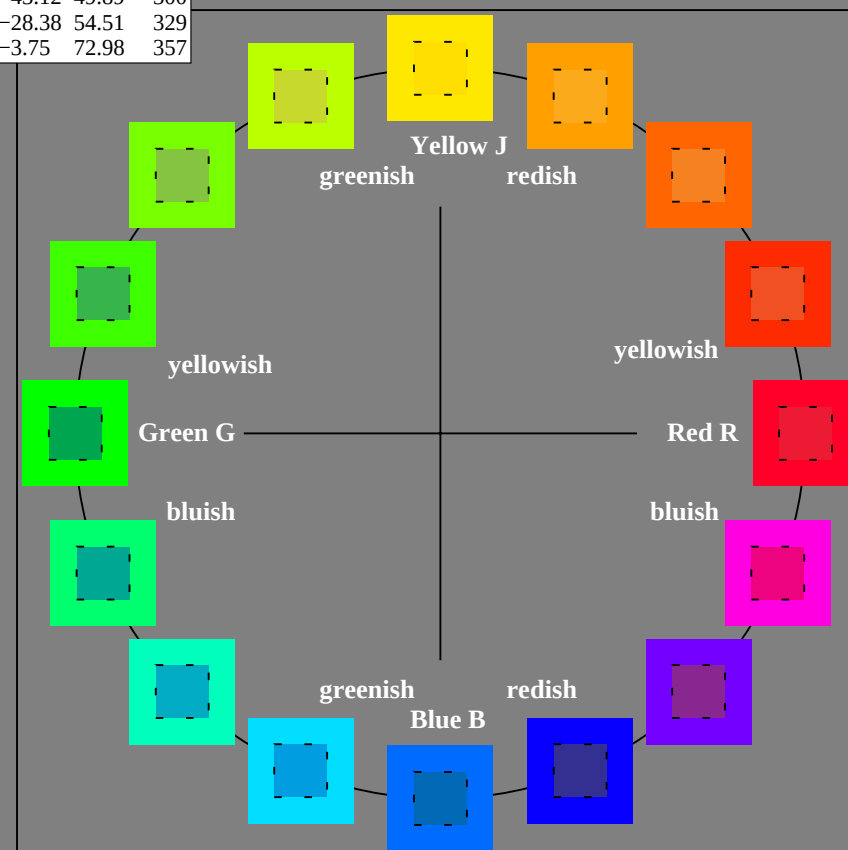
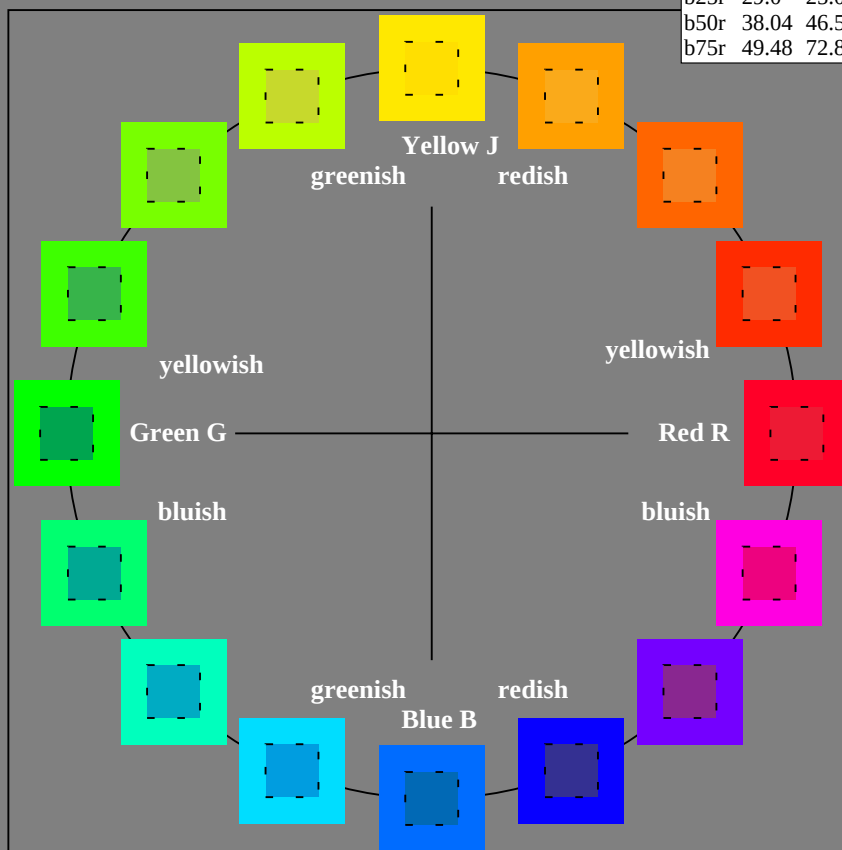
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data					
	$L^{*}=L^{*}_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



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

ORS19_96a; adapted (a) CIELAB data					
	$L^{*}=L^{*}_a$	a^{*}_a	b^{*}_a	$C^{*}_{ab,a}$	$h^{*}_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

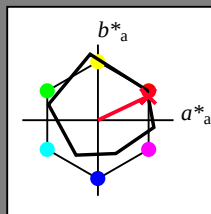
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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 0.16

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

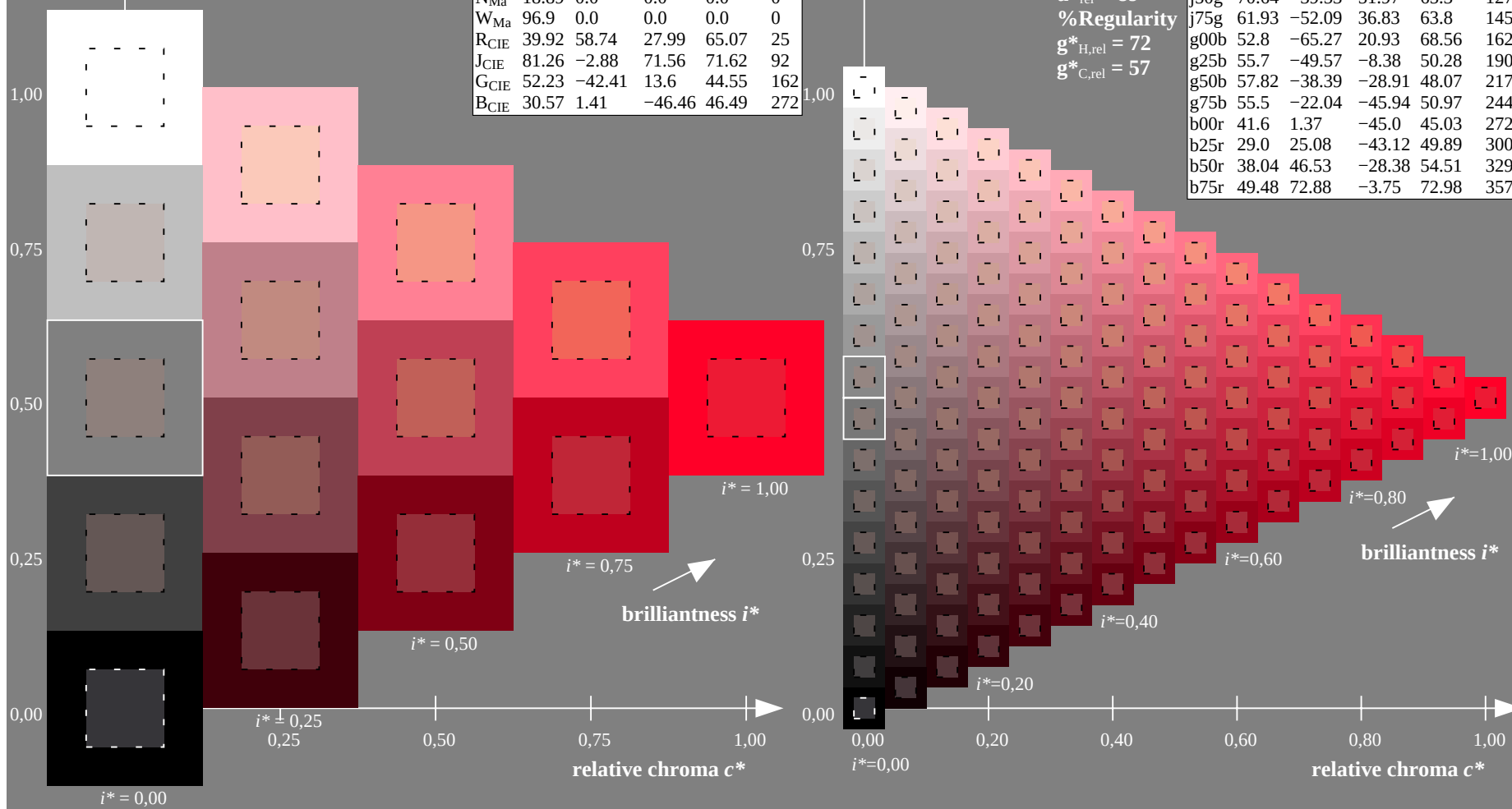
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$ data for any colour: Data for maximum colour (Ma):

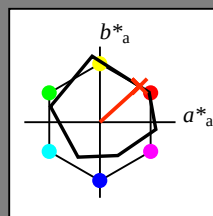
$$u^* = r25j$$

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

elementary hue text:

$$u^* = r25j$$

contrast reduction factor:

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

ORS19_96a; adapted (a) CIELAB data

	L^*_a	d^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB*LAB* μ : 56 52 47

LAD*LGU* 56 51 42

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

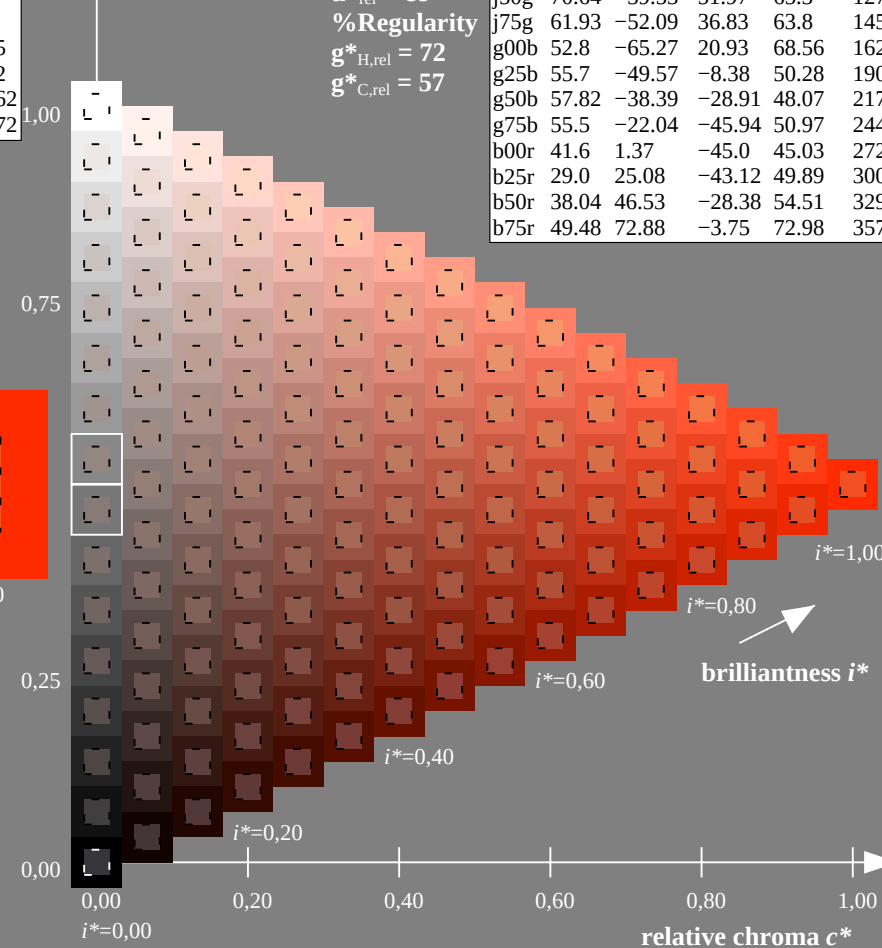
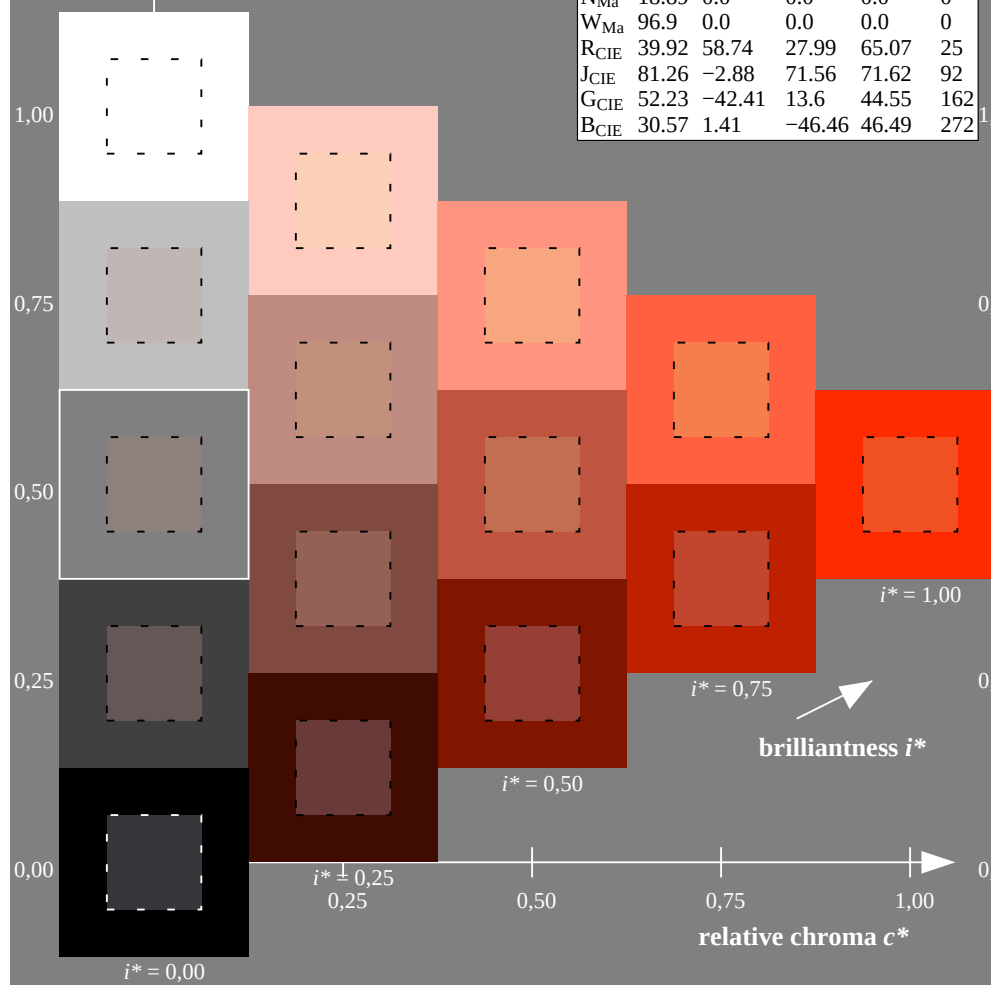
$$\mathbf{u}_{\text{rel}}^* = 89$$

%Regularity

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

ORS19_96a; adapted (a) CIELAB data

	$L^* = L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	h_{ab}^*
r00j	48.88	66.47	31.67	73.63	25.5
r25j	55.85	52.39	47.48	70.7	42.5
r50j	65.45	35.22	58.37	68.17	59.5
r75j	75.19	17.82	69.41	71.66	76.5
j00g	87.03	-3.34	82.83	82.9	92.5
j25g	80.72	-25.0	69.5	73.86	112.5
j50g	70.64	-39.53	51.97	65.3	127.5
j75g	61.93	-52.09	36.83	63.8	142.5
g00b	52.8	-65.27	20.93	68.56	167.5
g25b	55.7	-49.57	-8.38	50.28	192.5
g50b	57.82	-38.39	-28.91	48.07	217.5
g75b	55.5	-22.04	-45.94	50.97	242.5
b00r	41.6	1.37	-45.0	45.03	277.5
b25r	39.0	25.08	-43.12	49.89	302.5
b50r	28.04	46.53	-28.38	54.51	327.5
b75r	49.48	72.88	-3.75	72.98	352.5



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

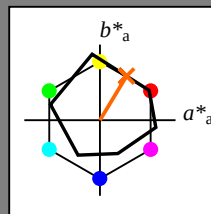
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 65 68 59

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

$lab^*olv^*_{Ma}$: 1.0 0.4 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

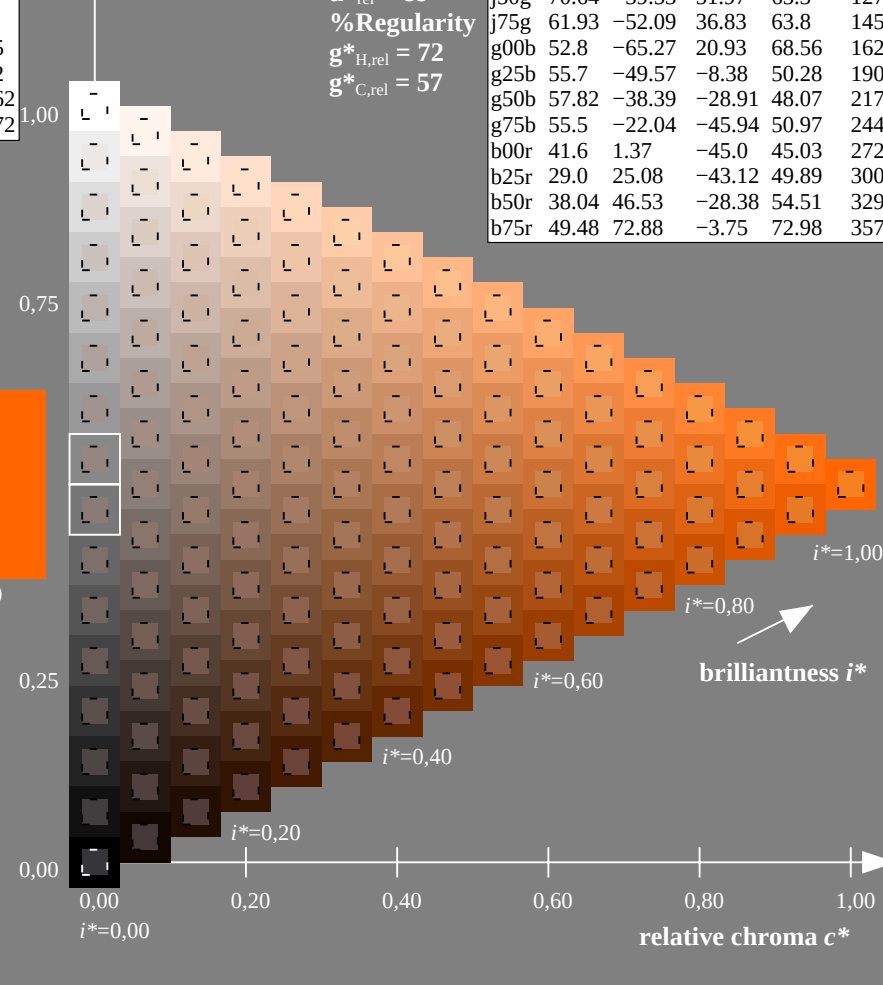
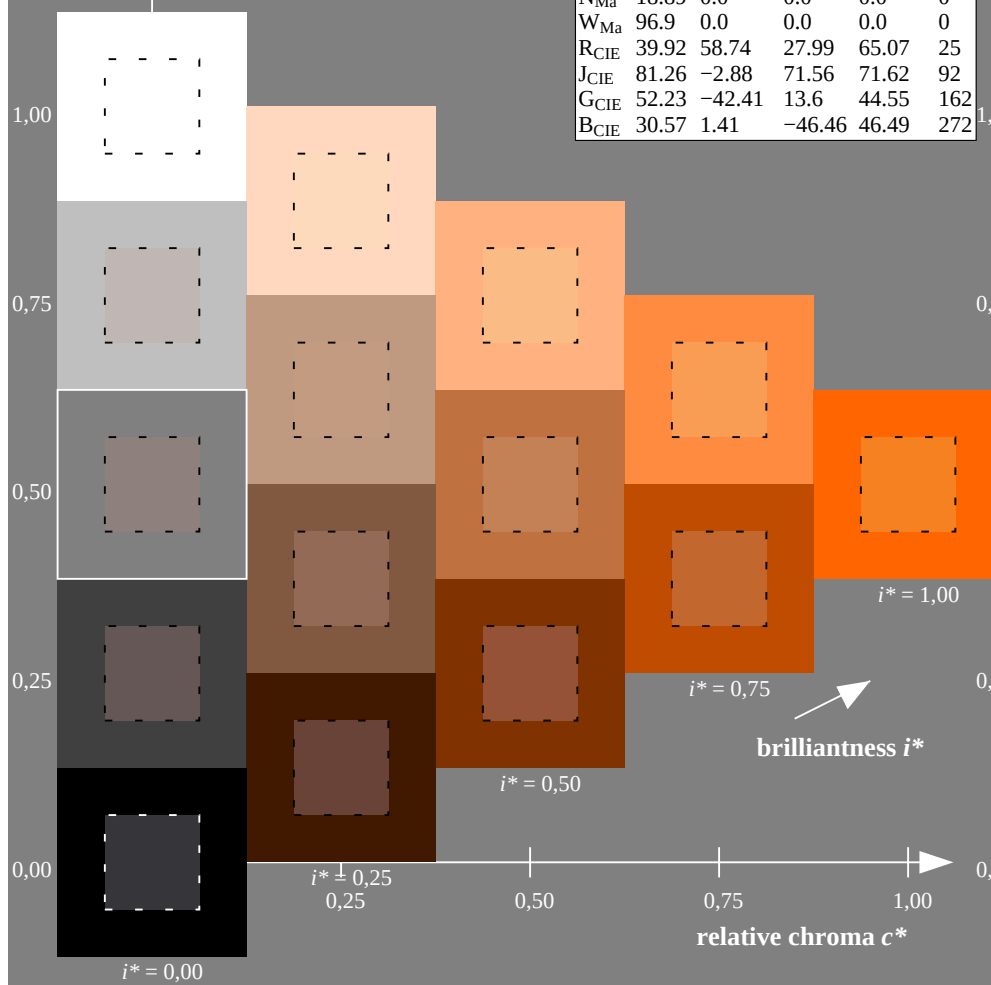
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

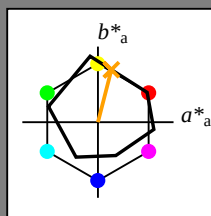
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 75 72 76

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

$lab^*olv^*_{Ma}$: 1.0 0.63 0.0

triangle lightness t^*

%Gamut

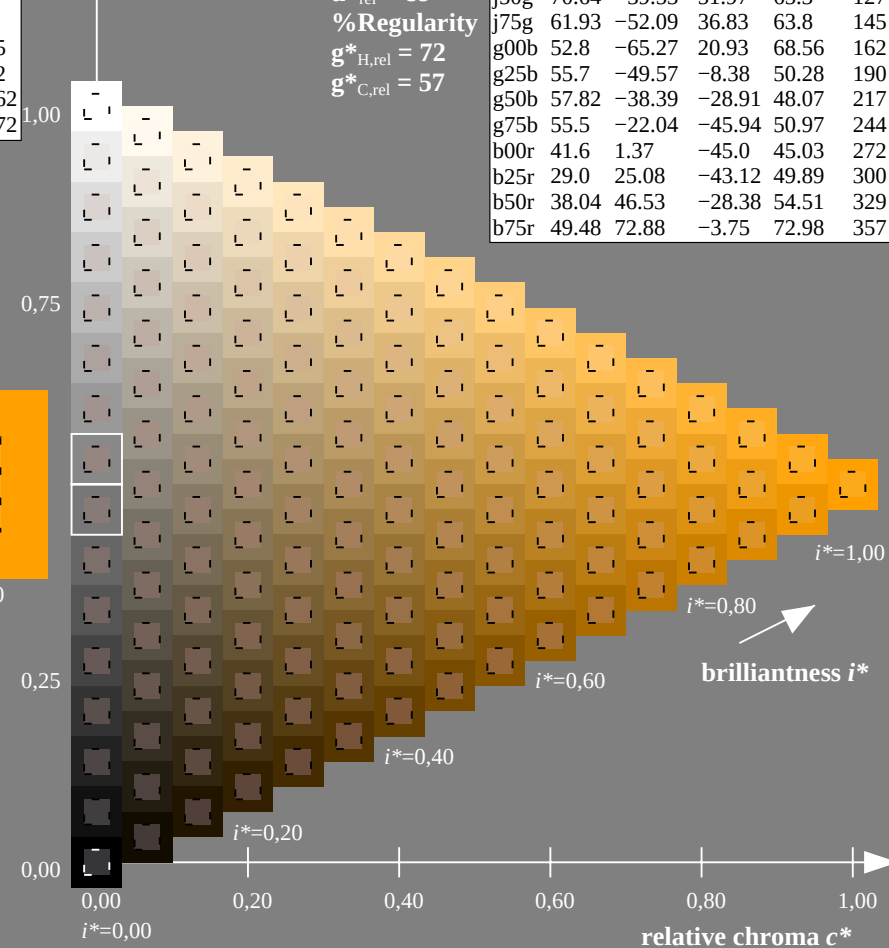
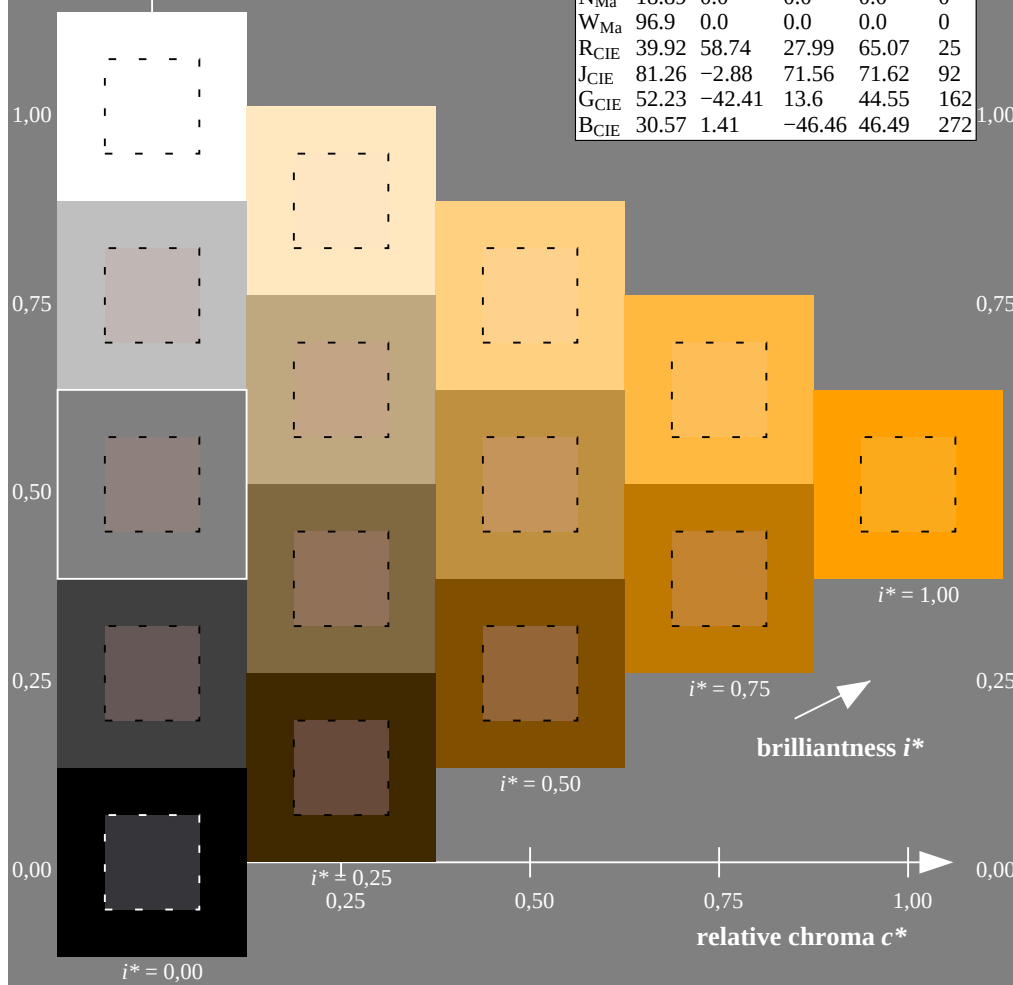
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$ data for any colour: Data for maximum colour (Ma):

$$u^* = j00g$$

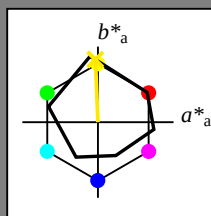
lab*tch* and lab*icu*
elementary hue text:

$$u^* = j00g$$

contrast reduction factor:

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

↑



ORS19_96a; adapted (a) CIELAB data

	$L^* = \bar{L}_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB*LAB*Ma: 87 -2 83

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

lab*rgb*Ma: 1.0 1.0 0.0

lab*olv*_Ma: 1.0 0.91 0.0

triangle lightness t^*

A

%Gamut

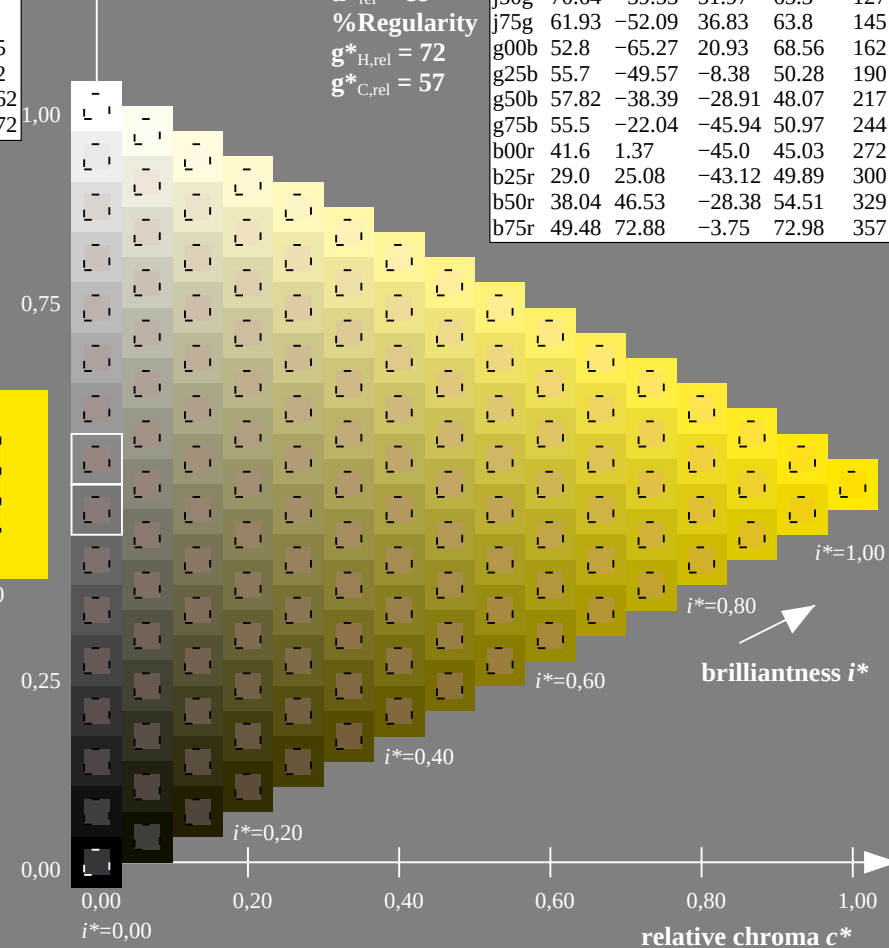
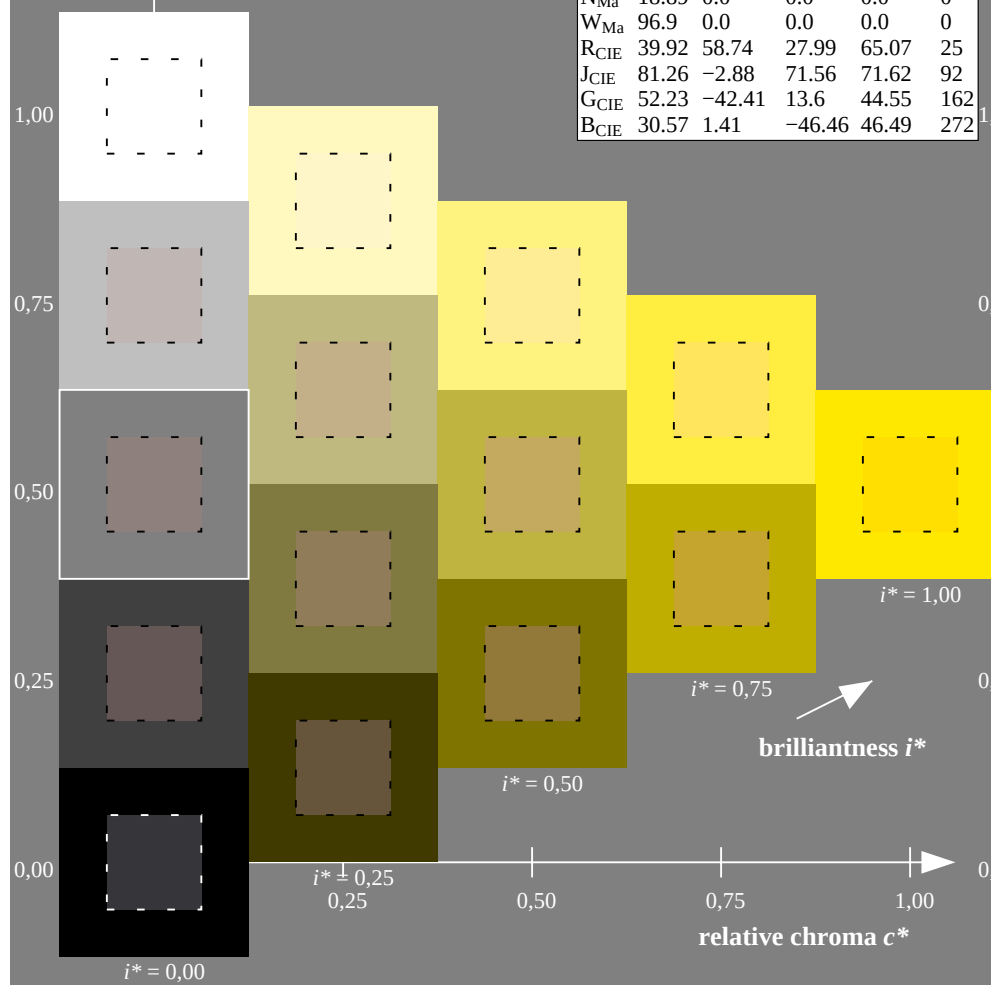
$$\mathbf{u}_{\text{rel}}^* = 89$$

%Regularity

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

ORS19_96a; adapted (a) CIELAB data

	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

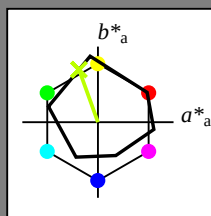
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 81 -24 69

$LAB^*LCH^*_{Ma}$: 81 74 110

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

$lab^*olv^*_{Ma}$: 0.73 1.0 0.0

triangle lightness t^*

%Gamut

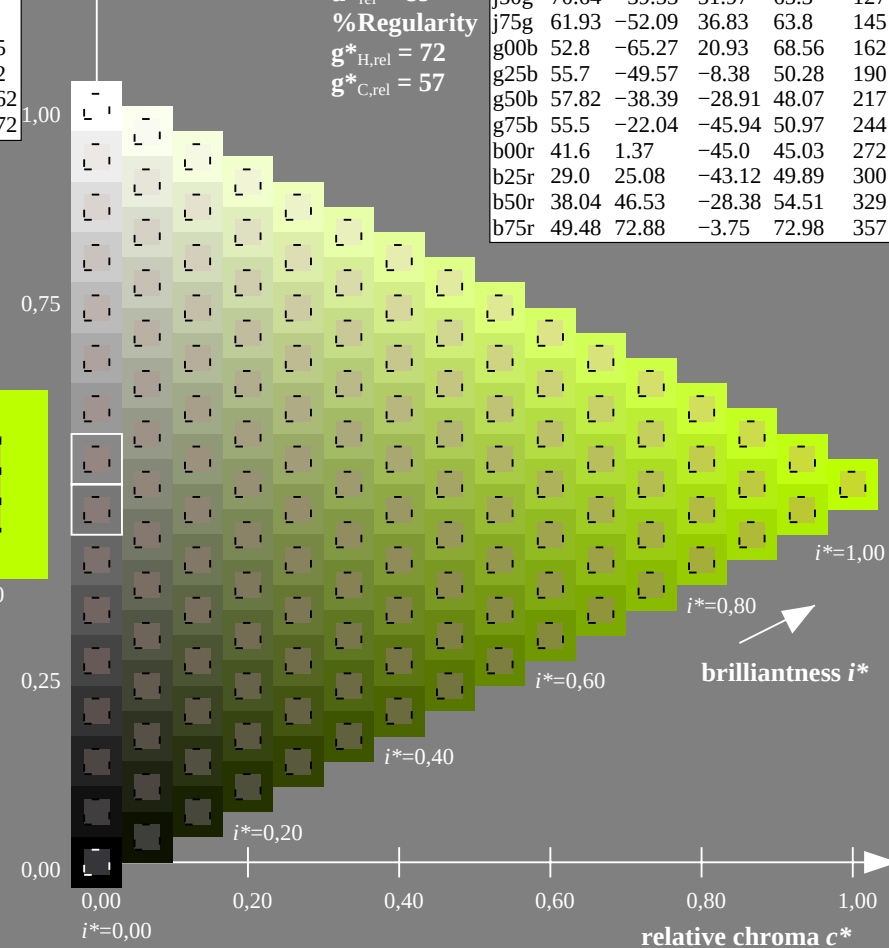
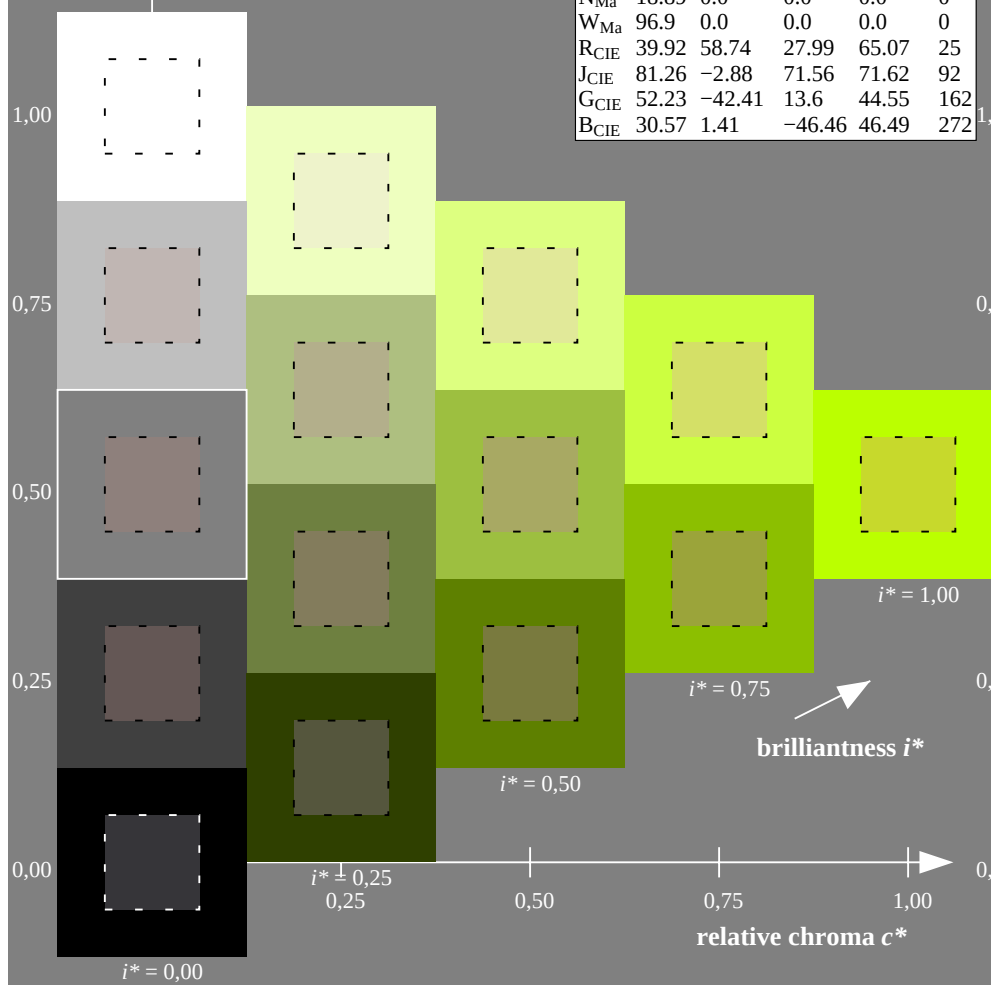
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

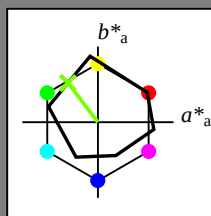
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 71 -39 52

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

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

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

triangle lightness t^*

%Gamut

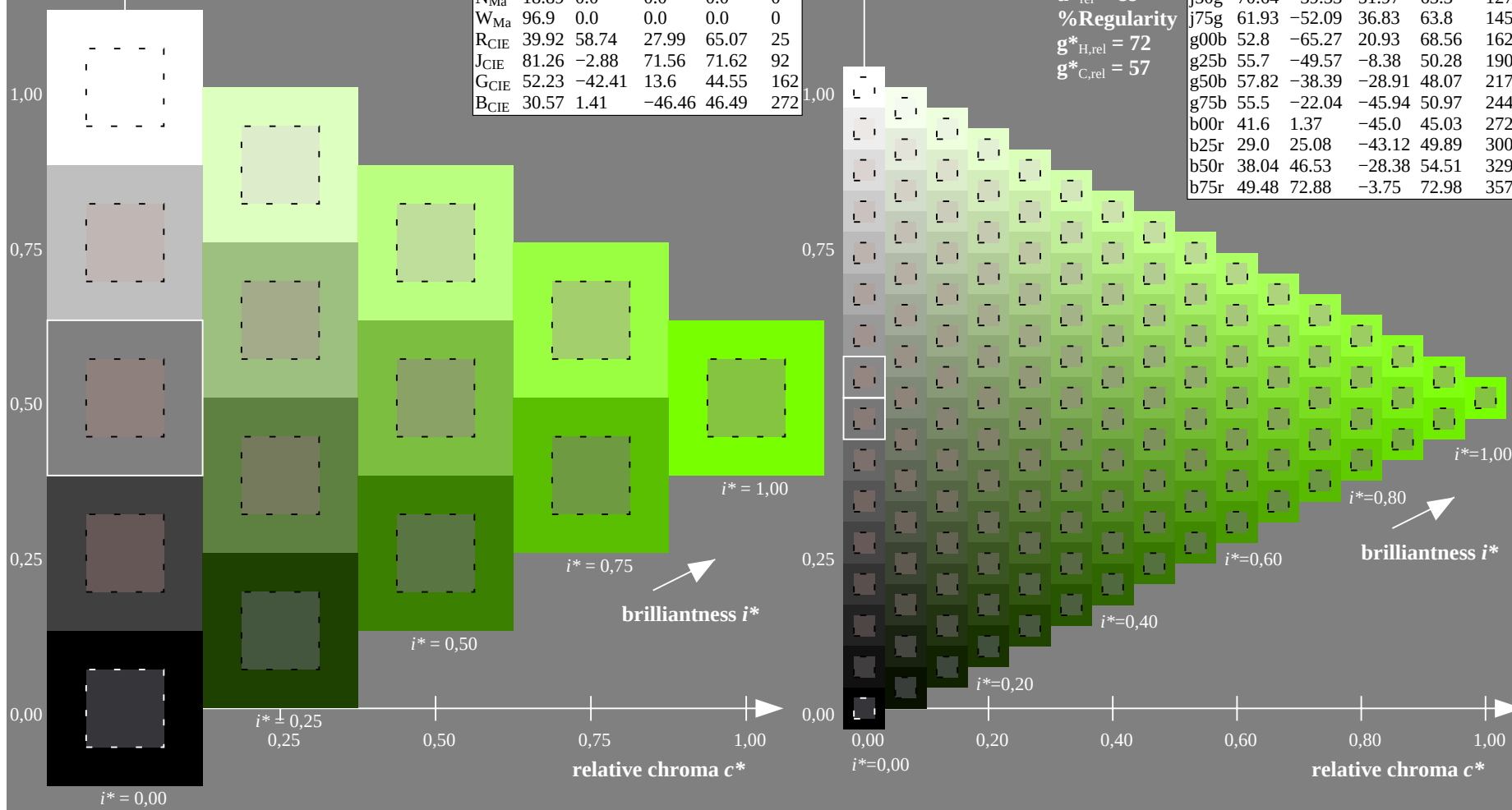
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

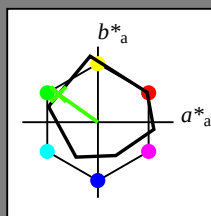
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 62 -51 37

$LAB^*LCH^*_{Ma}$: 62 64 145

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

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

triangle lightness t^*

%Gamut

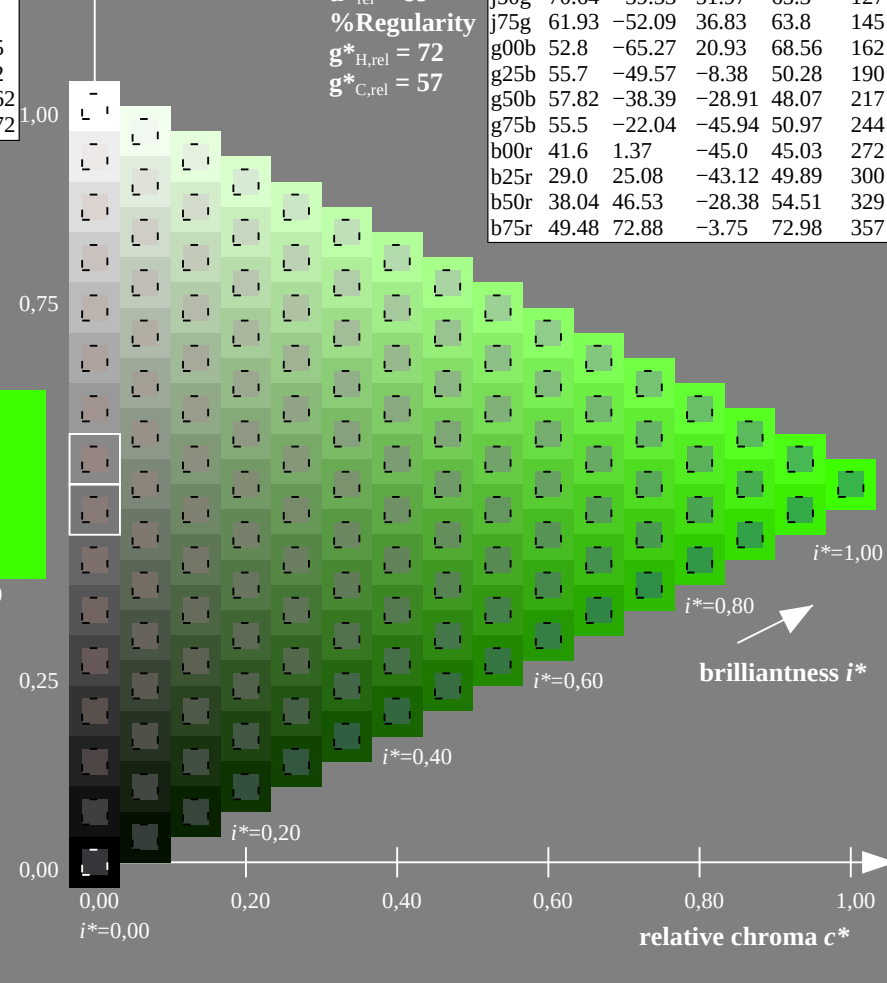
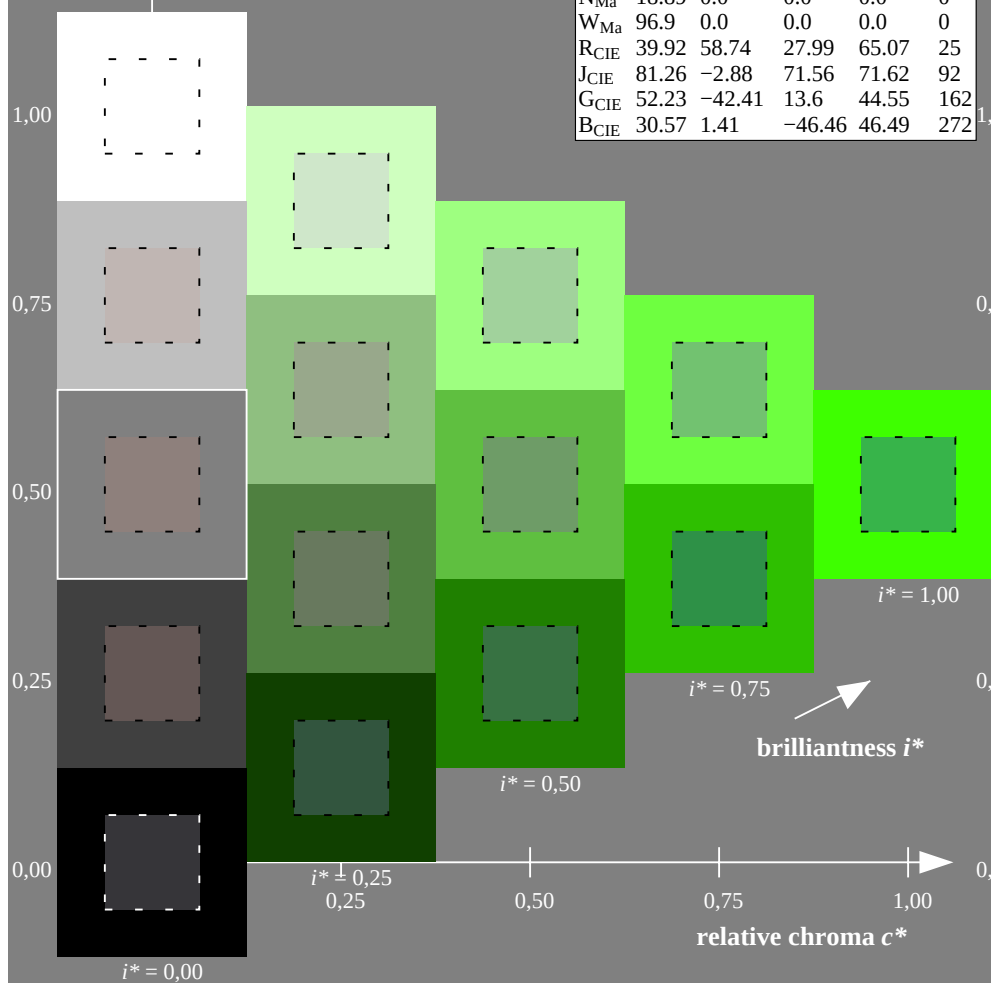
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

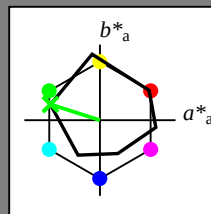
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -64 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

$u^*_{rel} = 89$

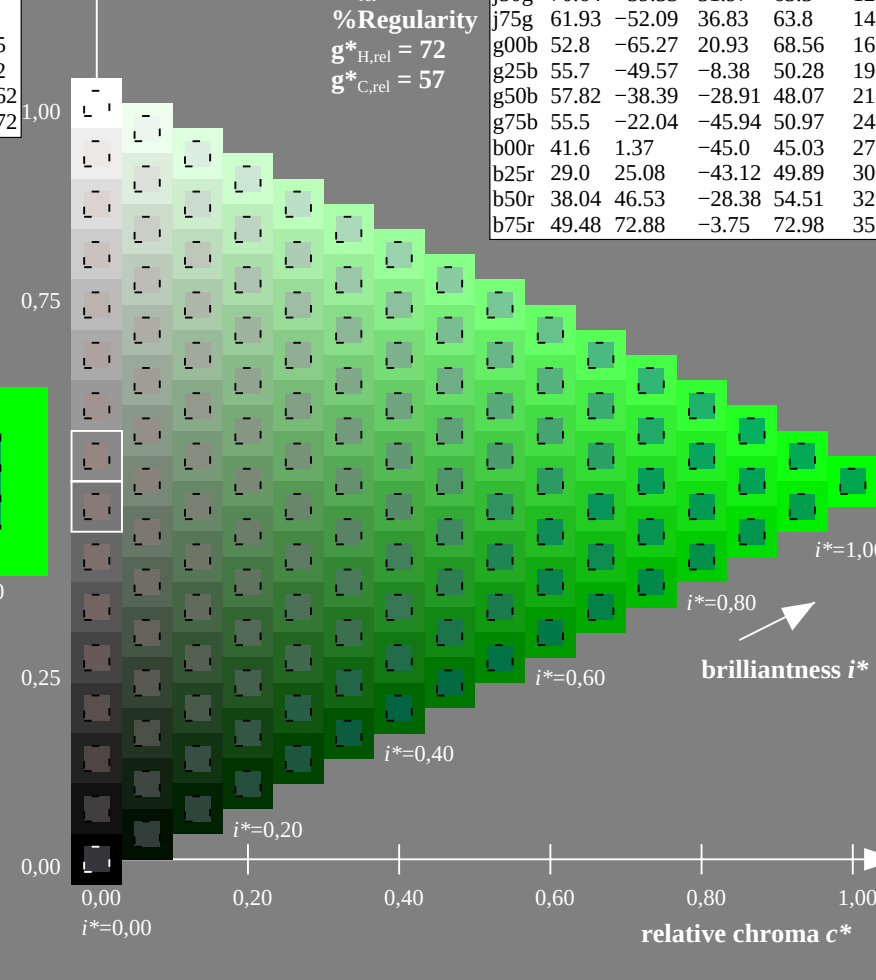
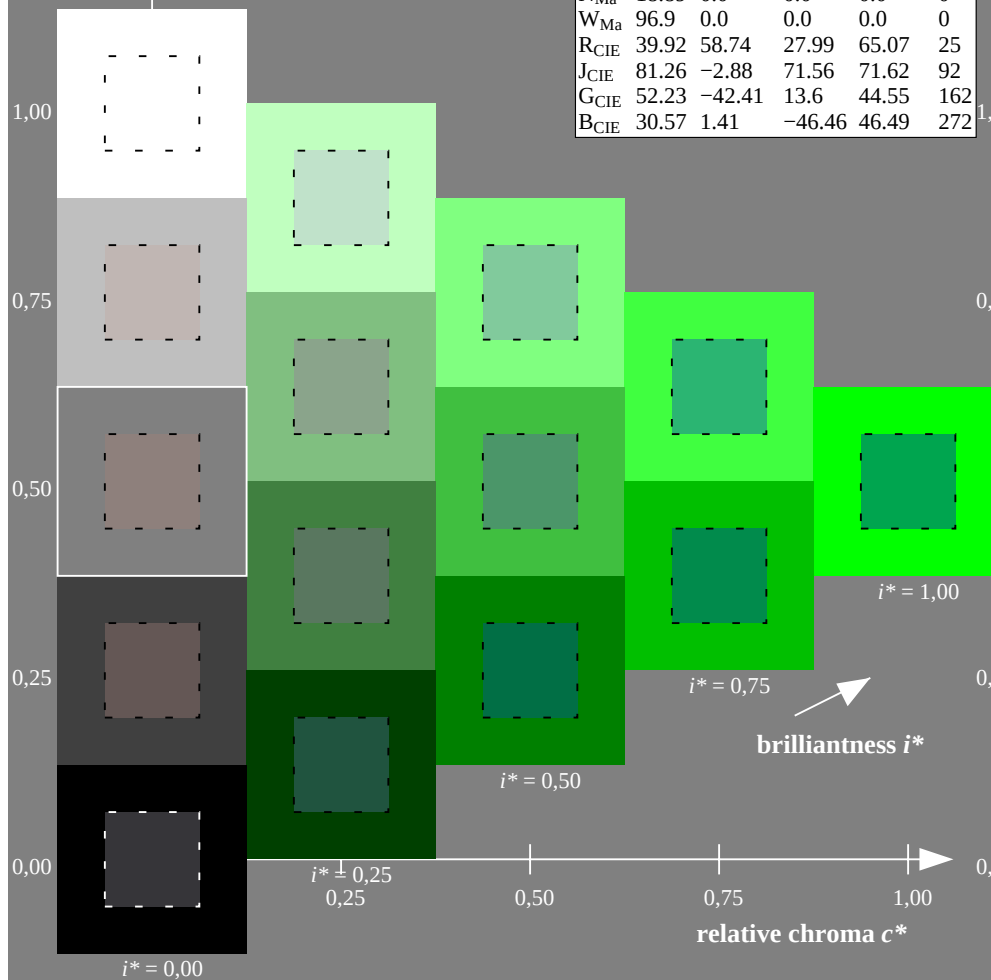
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

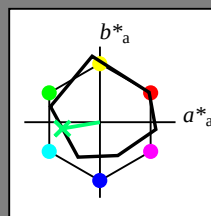
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -49 -7

$LAB^*LCH^*_{Ma}$: 56 50 190

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

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

triangle lightness t^*

%Gamut

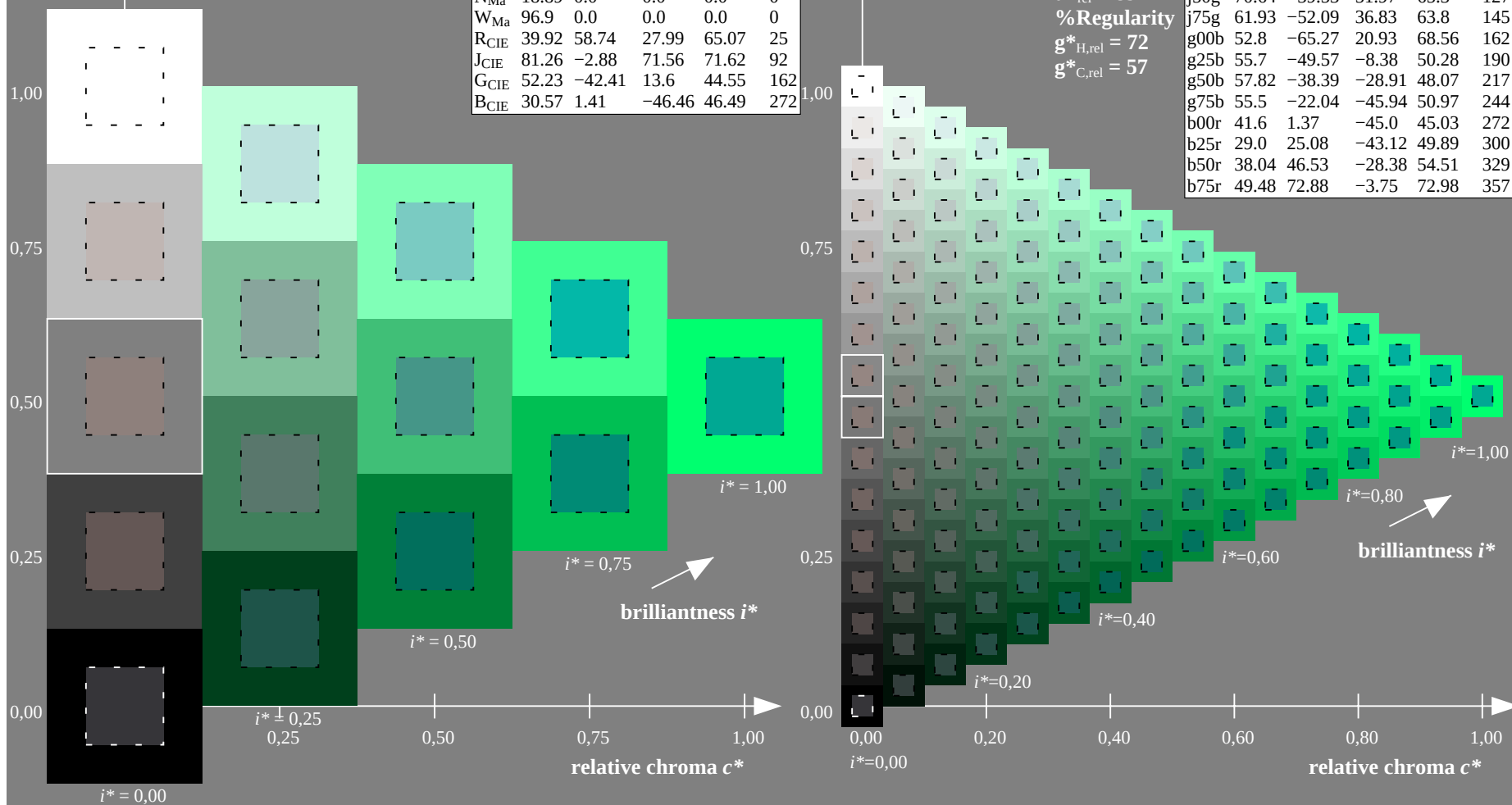
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

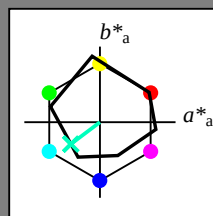
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 -37 -28

$LAB^*LCH^*_{Ma}$: 58 48 217

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.74

triangle lightness t^*

%Gamut

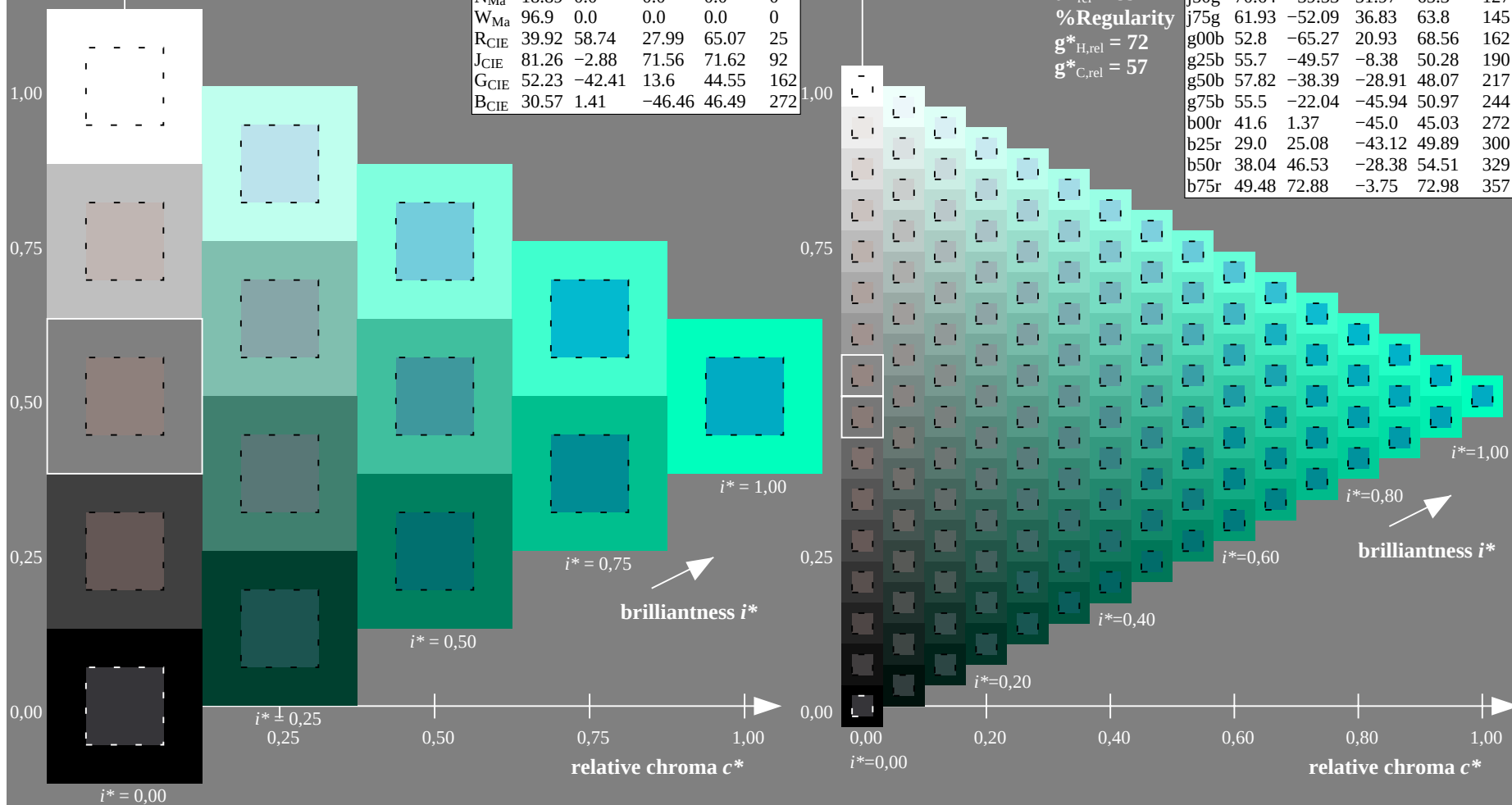
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

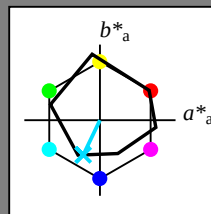
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 -21 -45

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

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

$lab^*olv^*_{Ma}$: 0.0 0.87 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

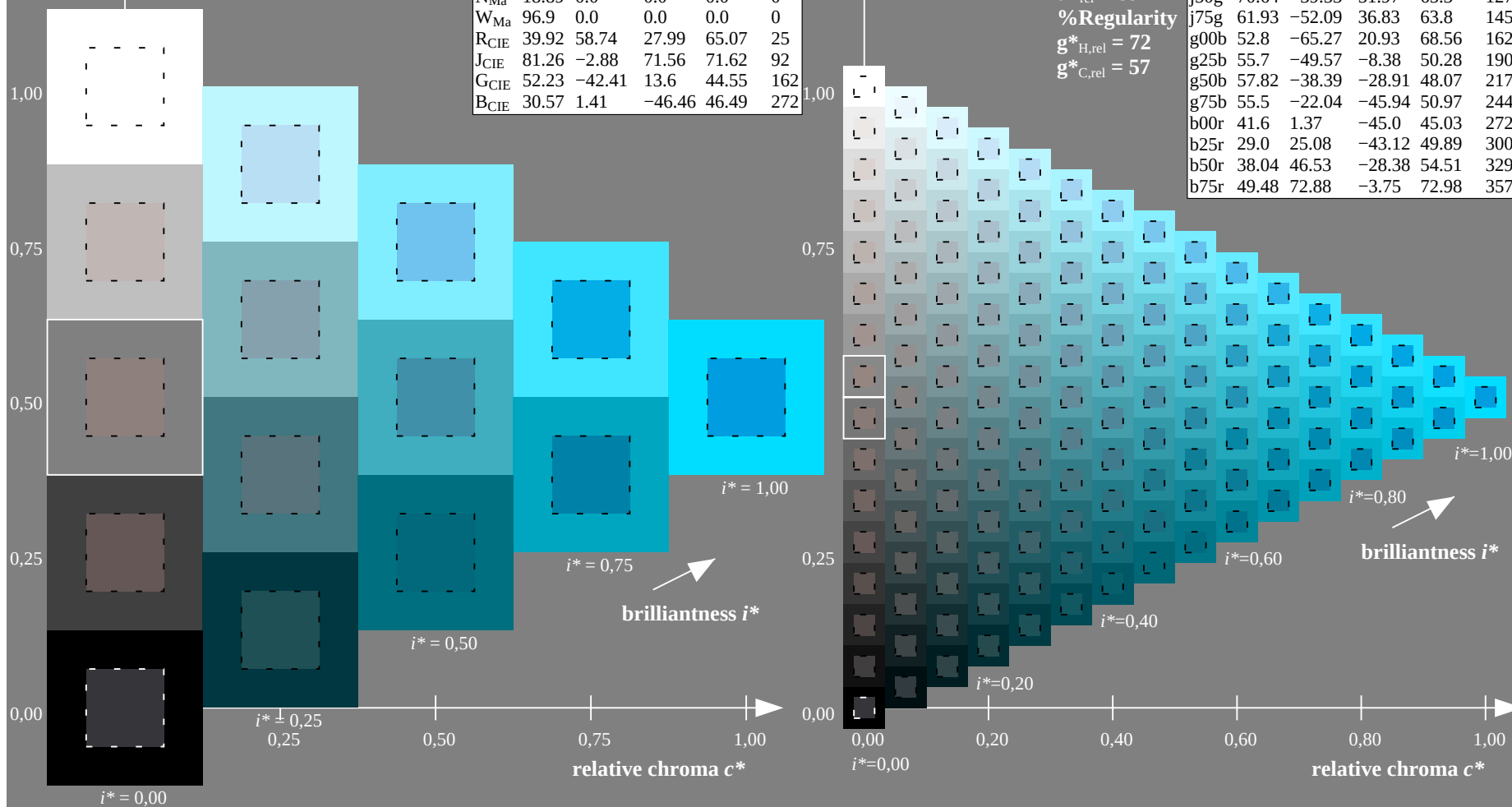
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

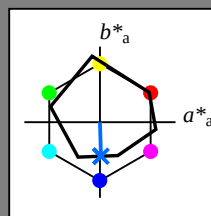
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 1 -44

$LAB^*LCH^*_{Ma}$: 42 45 272

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

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

triangle lightness t^*

%Gamut

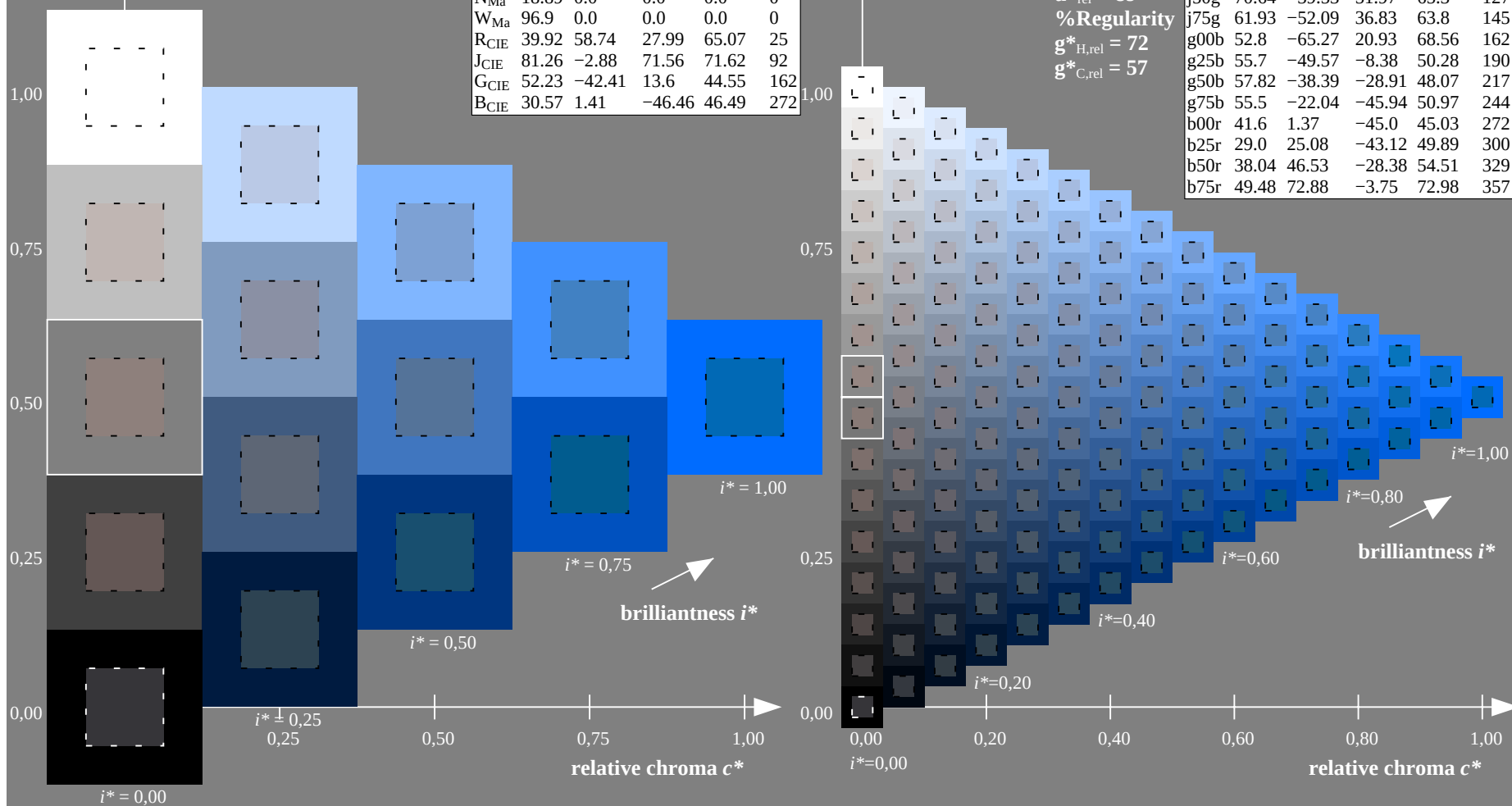
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

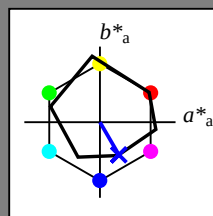
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 25 -42

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

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

$lab^*olv^*_{Ma}$: 0.03 0.0 1.0

triangle lightness t^*

%Gamut

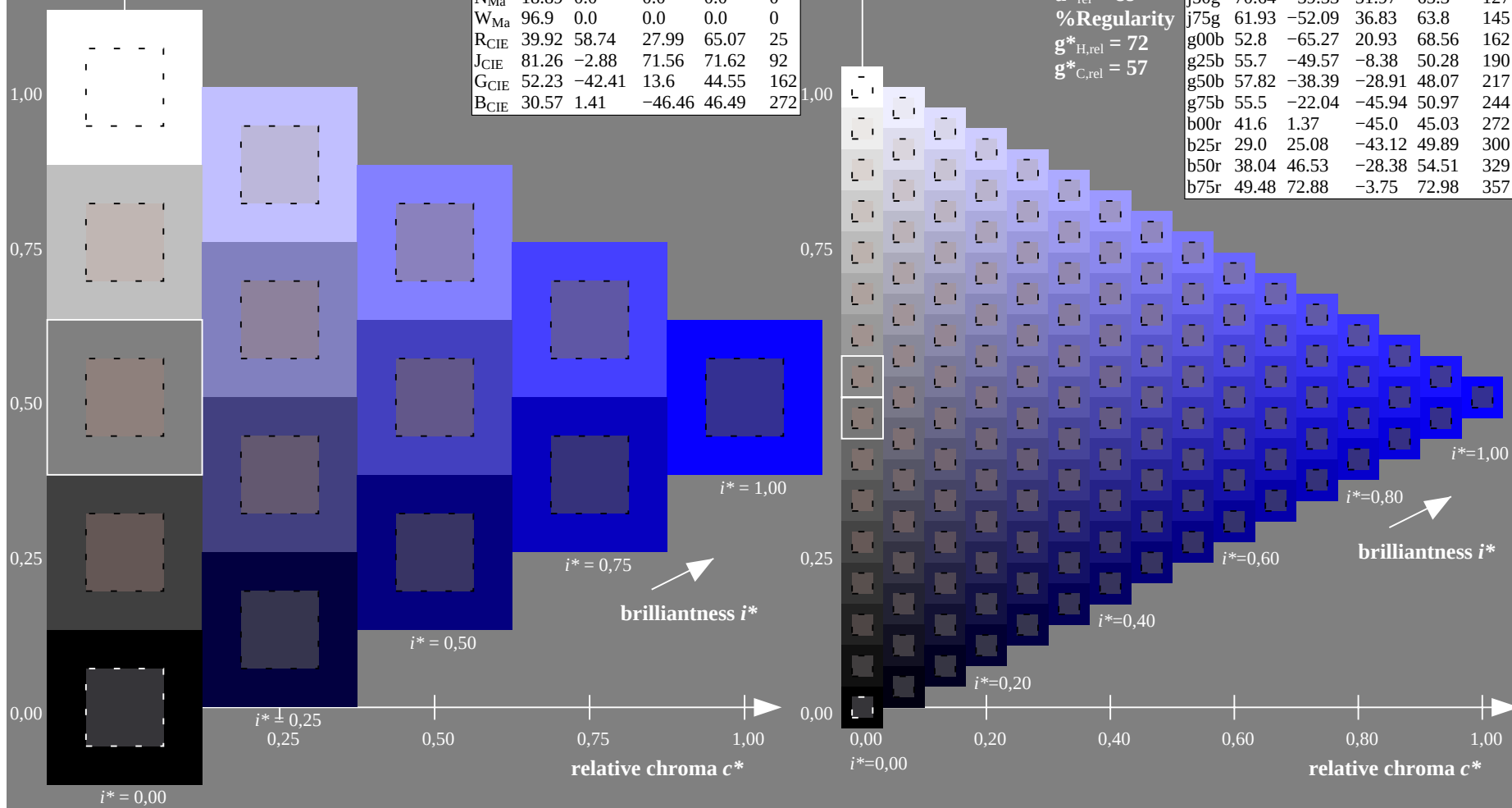
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

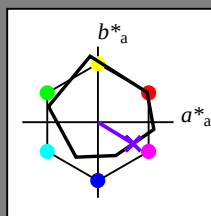
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 47 -27

$LAB^*LCH^*_{Ma}$: 38 55 329

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

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

triangle lightness t^*

%Gamut

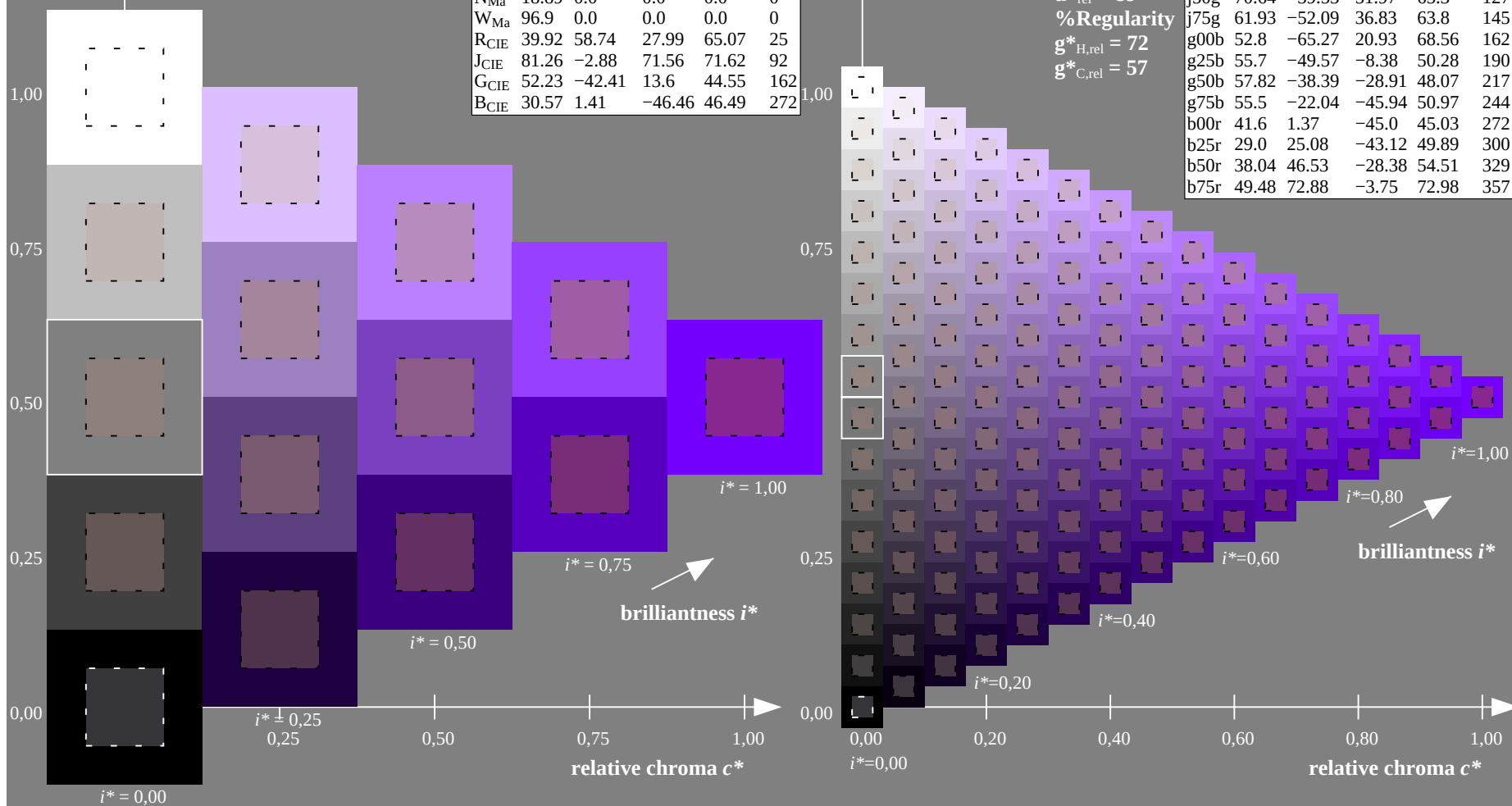
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

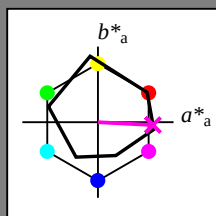
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 73 -3

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

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.88

triangle lightness t^*

%Gamut

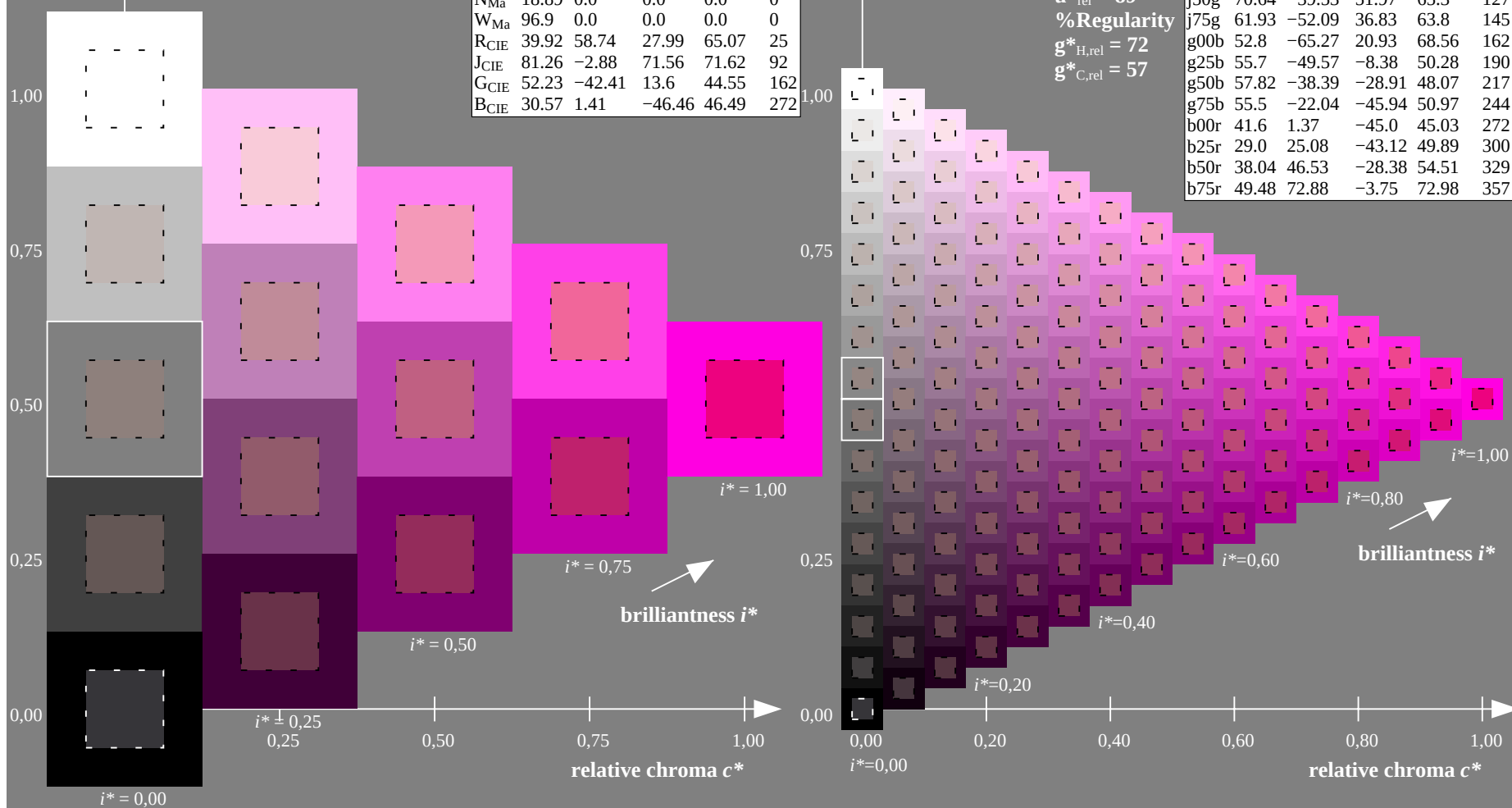
$u^*_{rel} = 89$

%Regularity

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

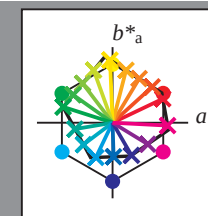
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



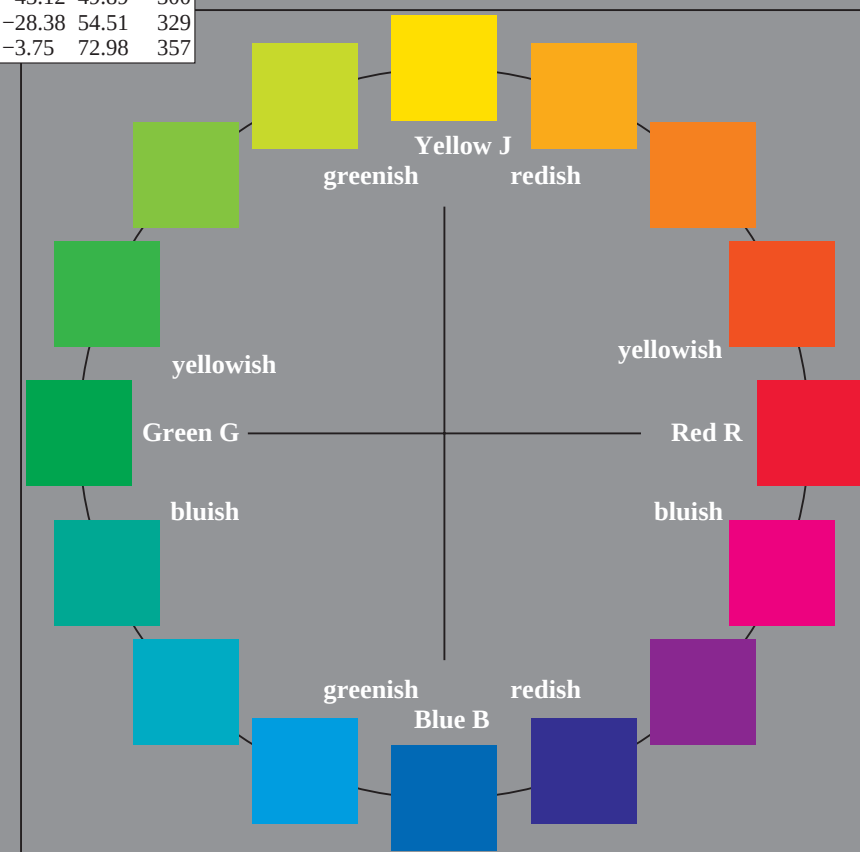
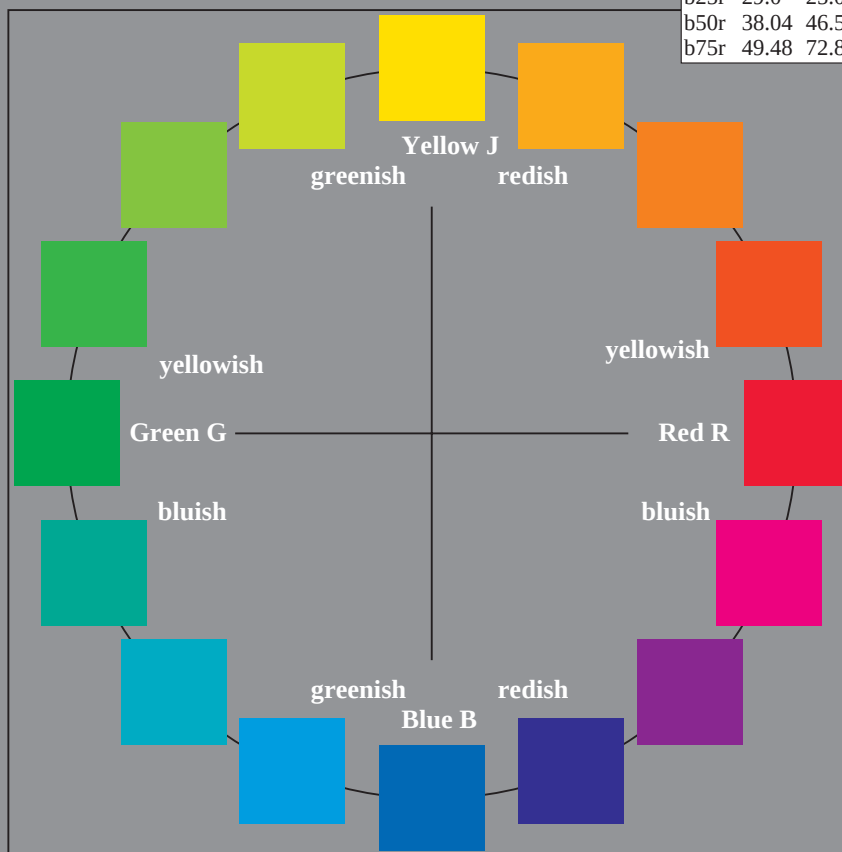
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data					
	$L^{*}=L^{*}_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



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

ORS19_96a; adapted (a) CIELAB data					
	$L^{*}=L^{*}_a$	a^{*}_a	b^{*}_a	$C^{*}_{ab,a}$	$h^{*}_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

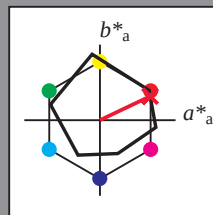
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	$L^* = \bar{L}_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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 0.16

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

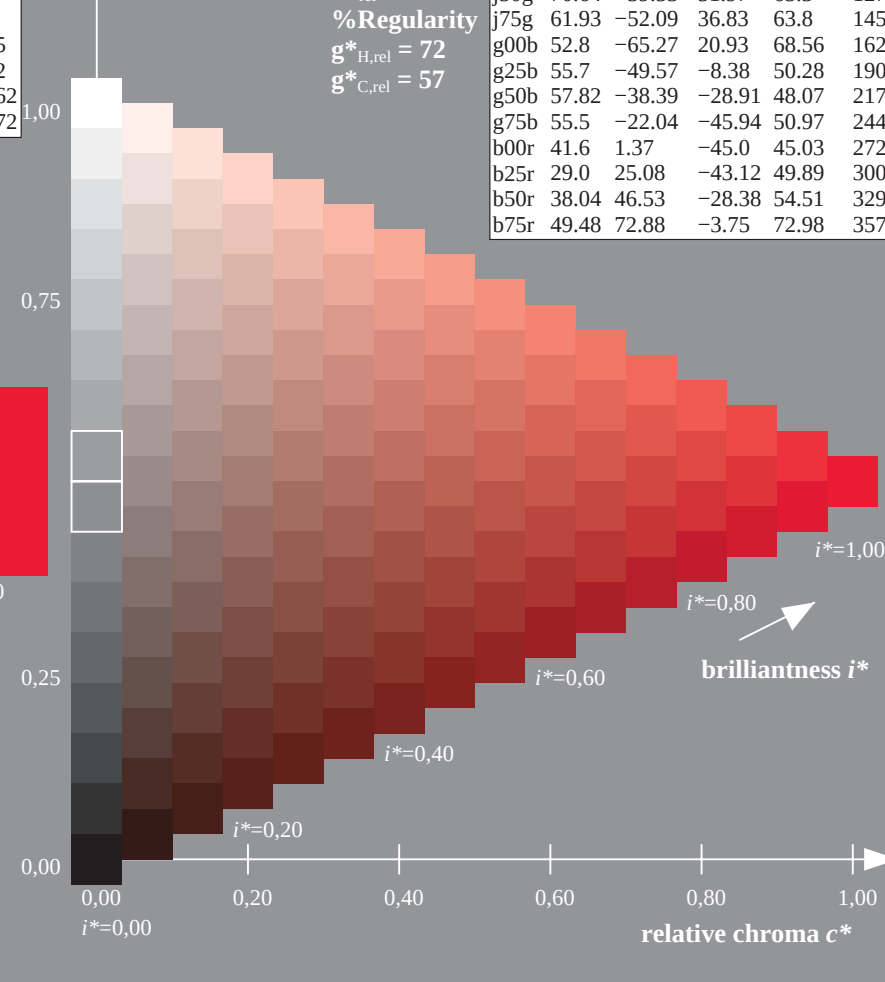
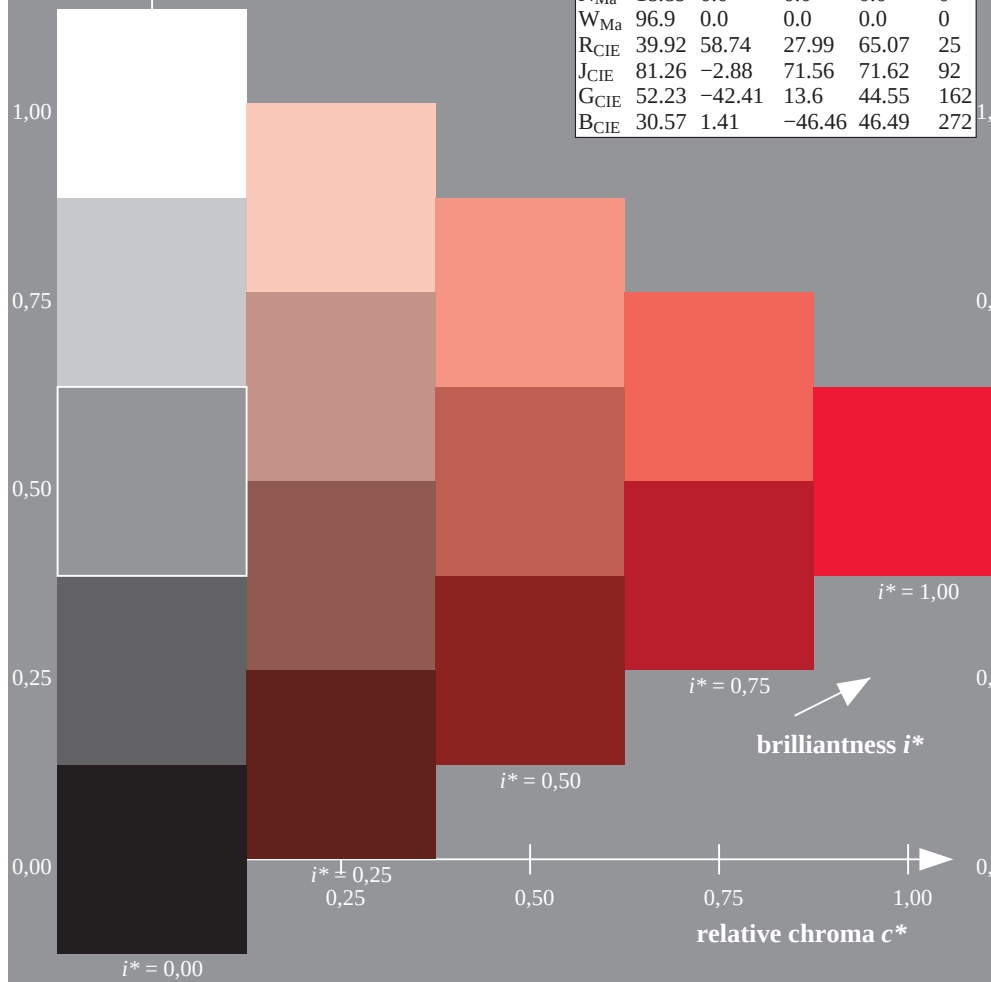
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

	$L^* = \bar{L}_a^*$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

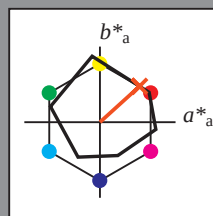
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = \bar{L}^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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

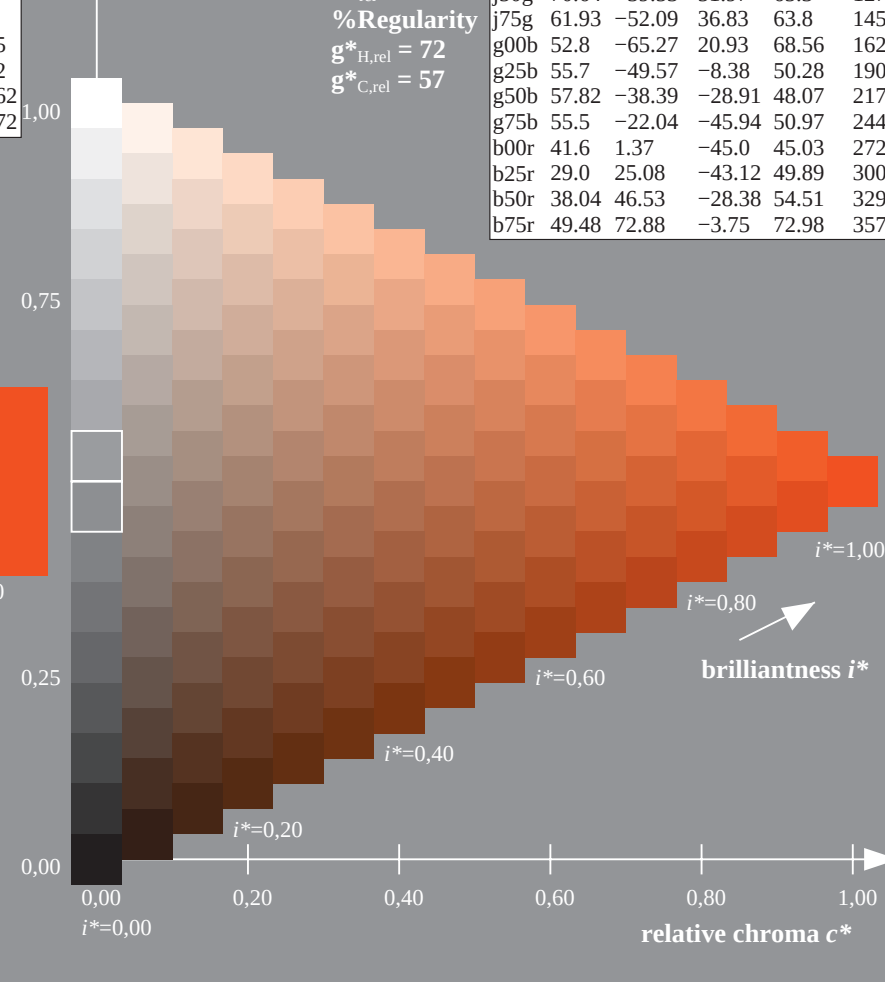
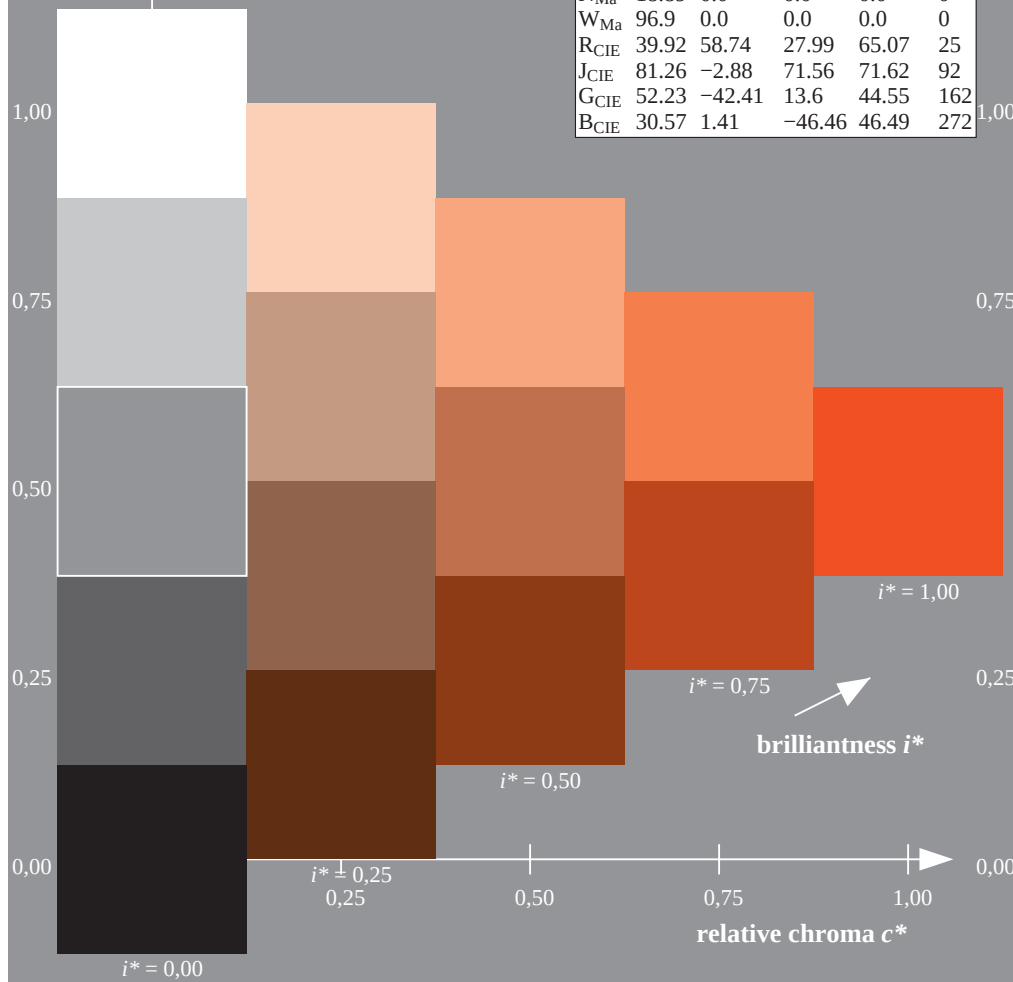
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = \bar{L}^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

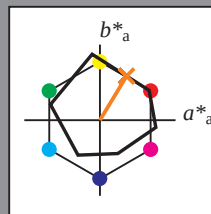
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=\bar{L}^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 65 68 59

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

$lab^*olv^*_{Ma}$: 1.0 0.4 0.0

triangle lightness t^*

%Gamut

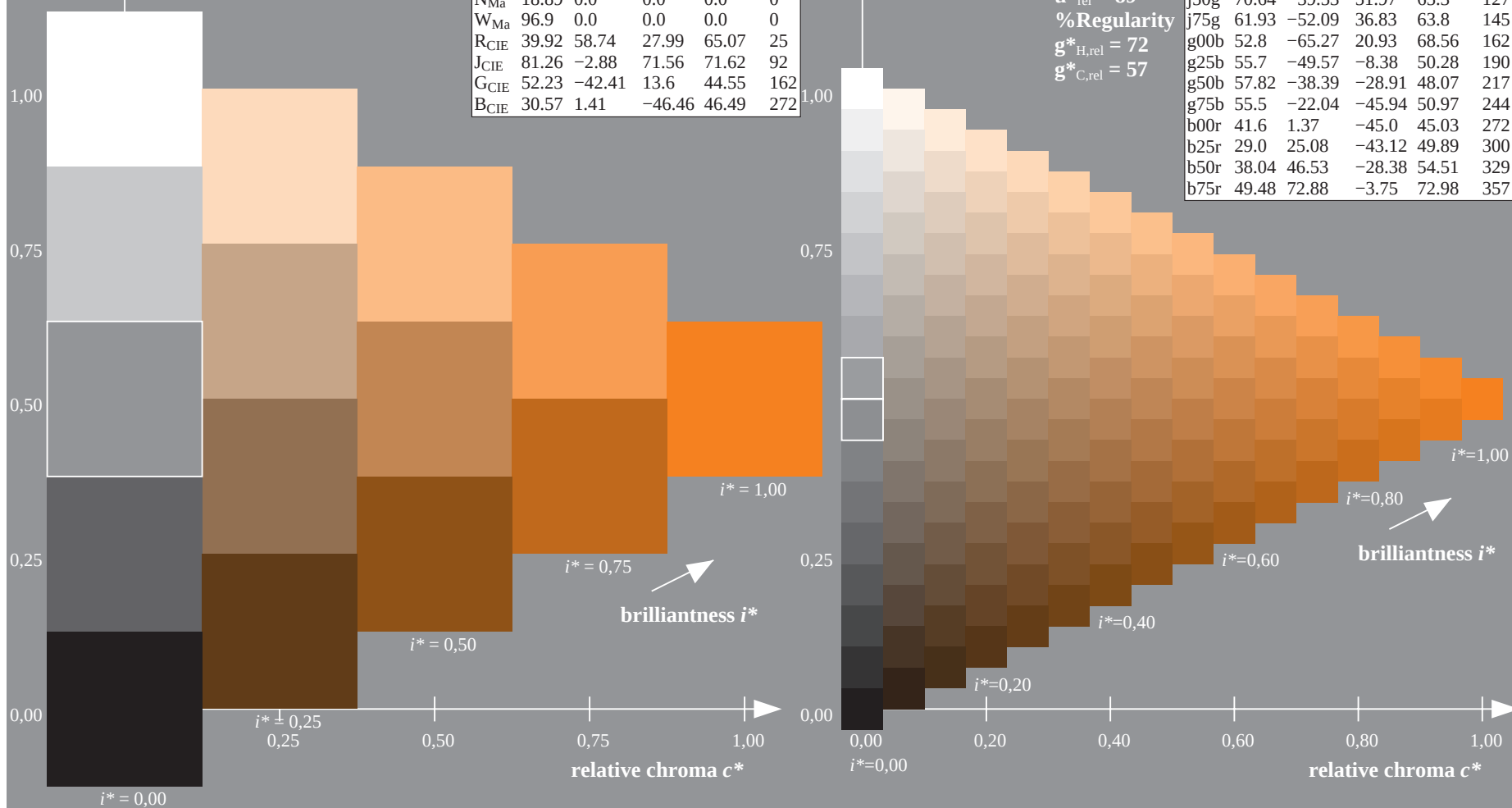
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=\bar{L}^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

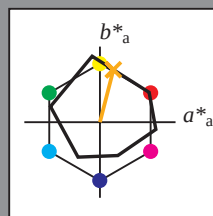
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = \bar{L}^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 75 72 76

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

$lab^*olv^*_{Ma}$: 1.0 0.63 0.0

triangle lightness t^*

%Gamut

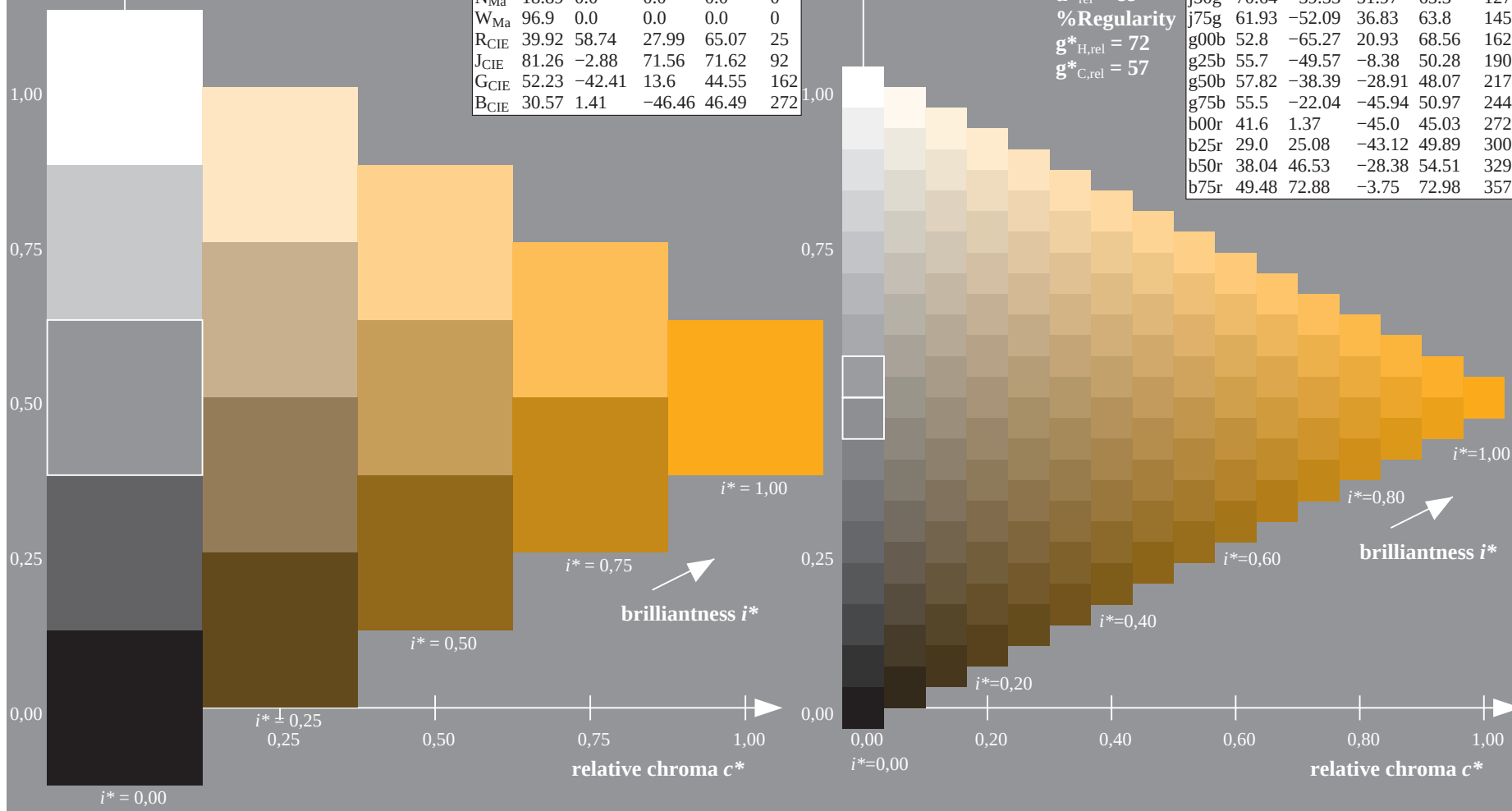
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = \bar{L}^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

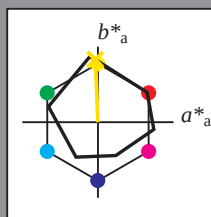
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=\bar{L}^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -2 83

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

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

$lab^*olv^*_{Ma}$: 1.0 0.91 0.0

triangle lightness t^*

%Gamut

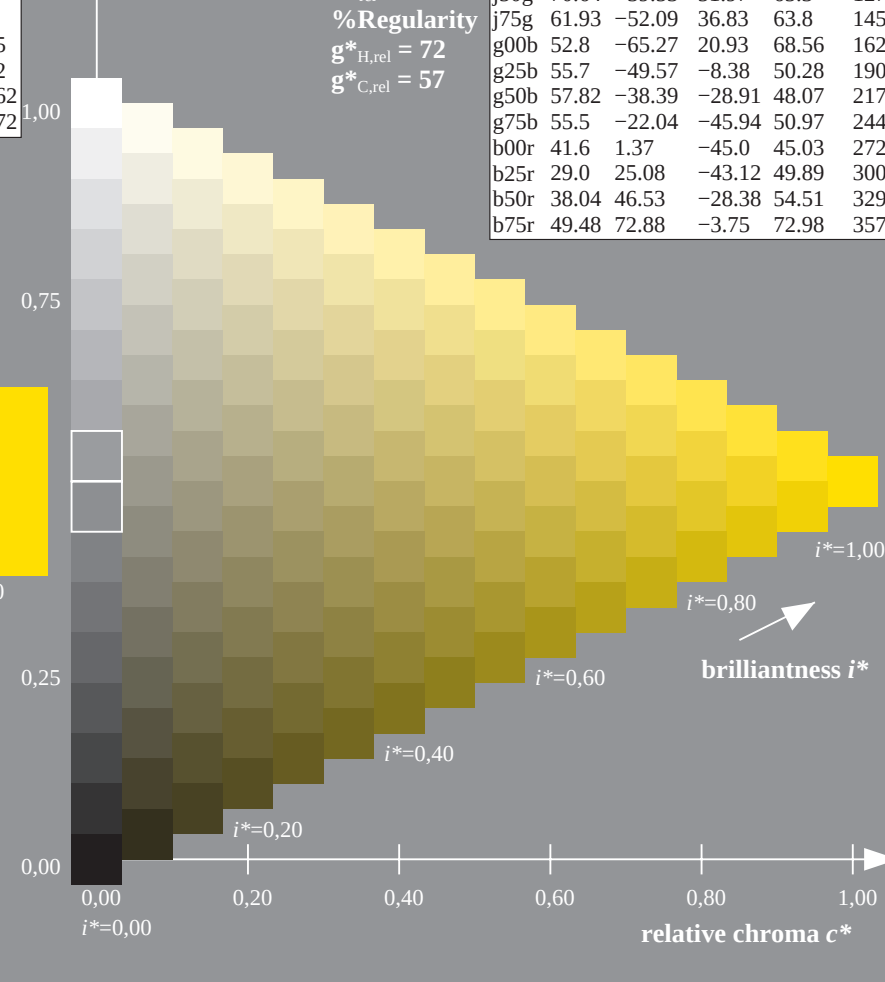
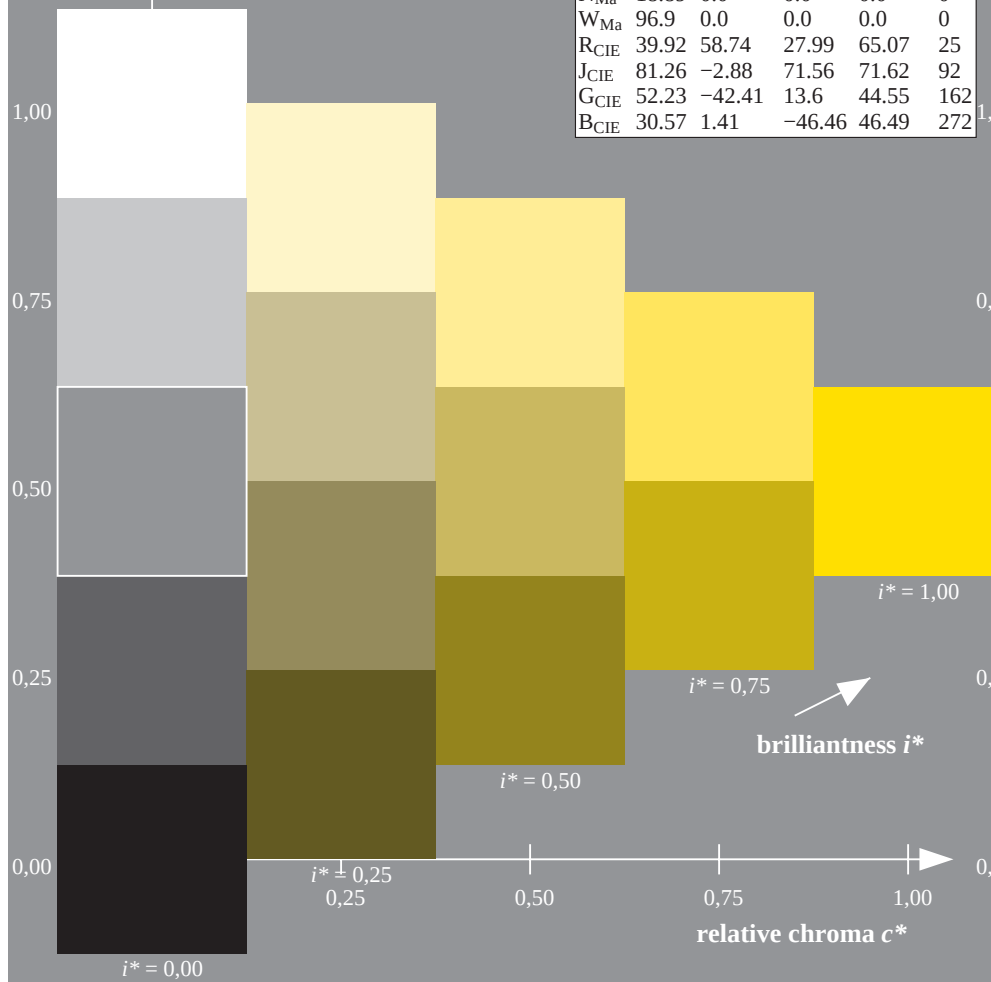
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=\bar{L}^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

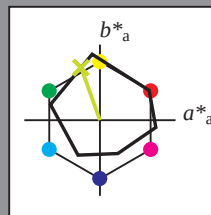
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = \bar{L}^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 81 -24 69

$LAB^*LCH^*_{Ma}$: 81 74 110

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

$lab^*olv^*_{Ma}$: 0.73 1.0 0.0

triangle lightness t^*

%Gamut

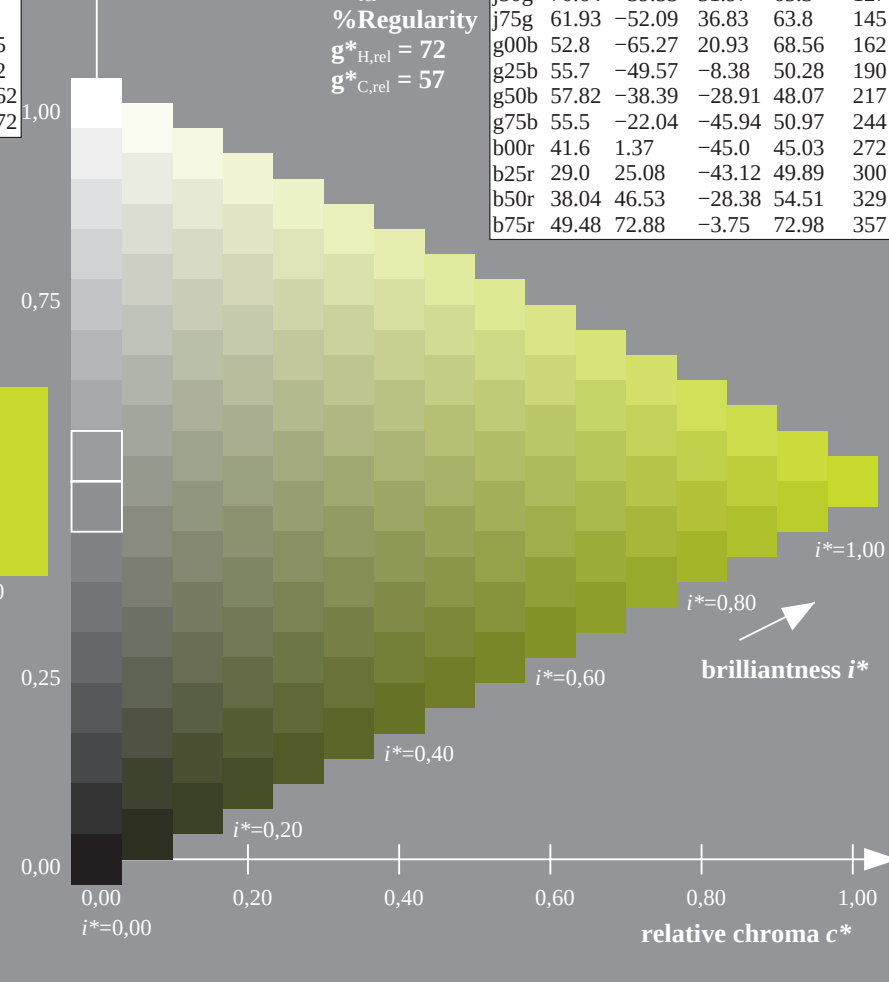
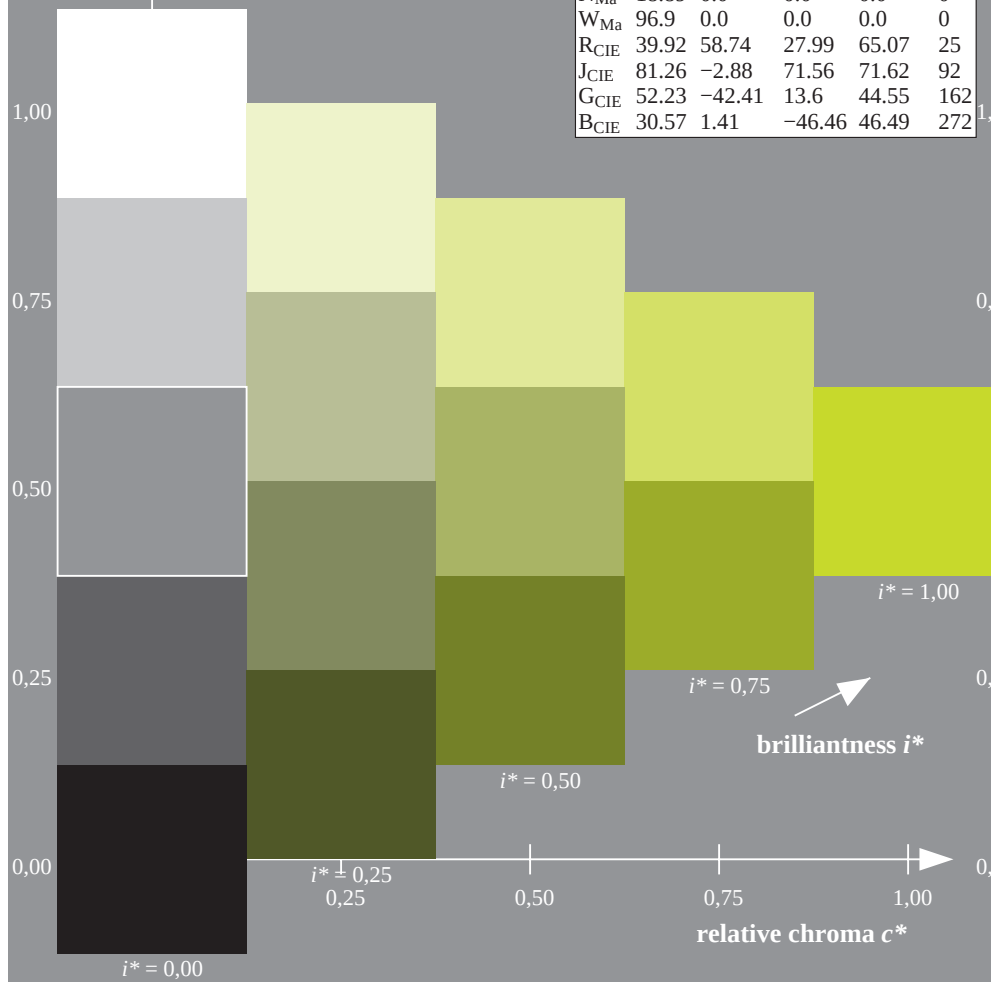
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = \bar{L}^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

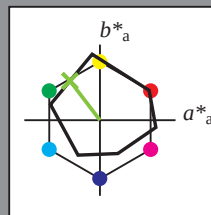
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	$L^* = \bar{L}^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 71 -39 52

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

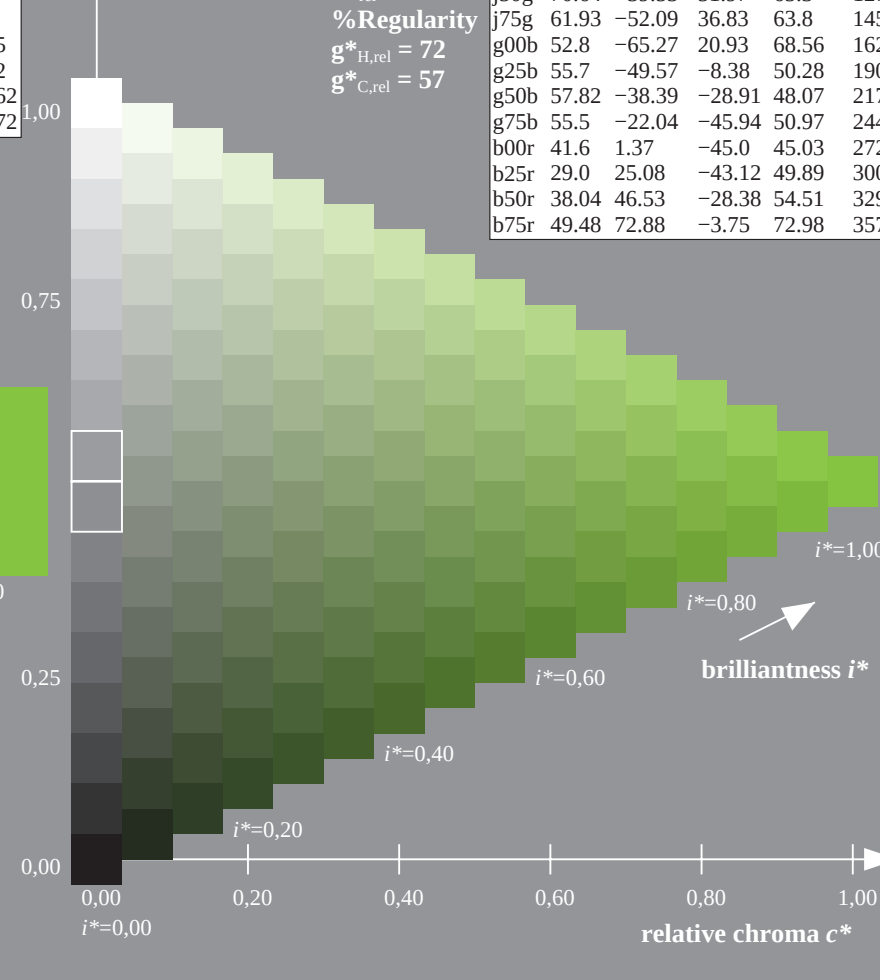
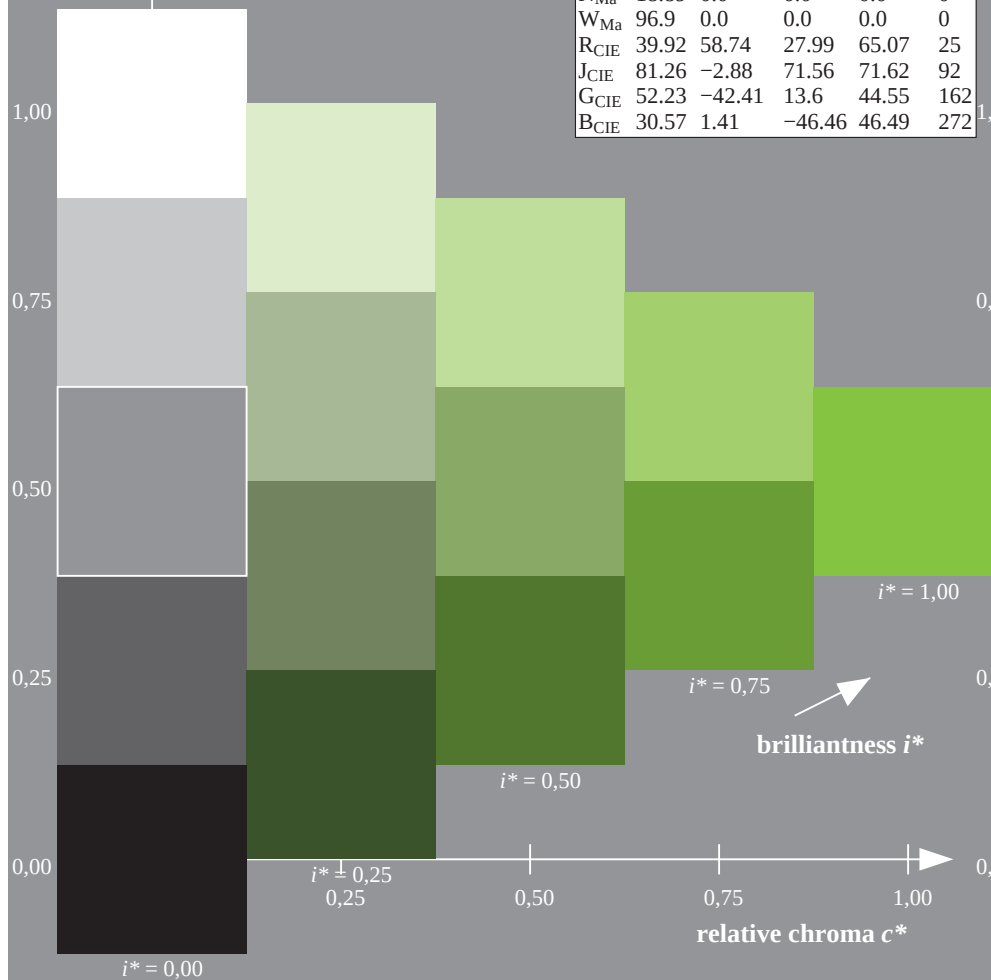
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

	$L^* = \bar{L}^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

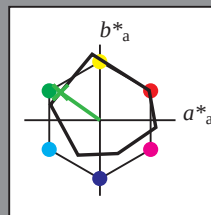
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	$L^* = \bar{L}_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 62 -51 37

$LAB^*LCH^*_{Ma}$: 62 64 145

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

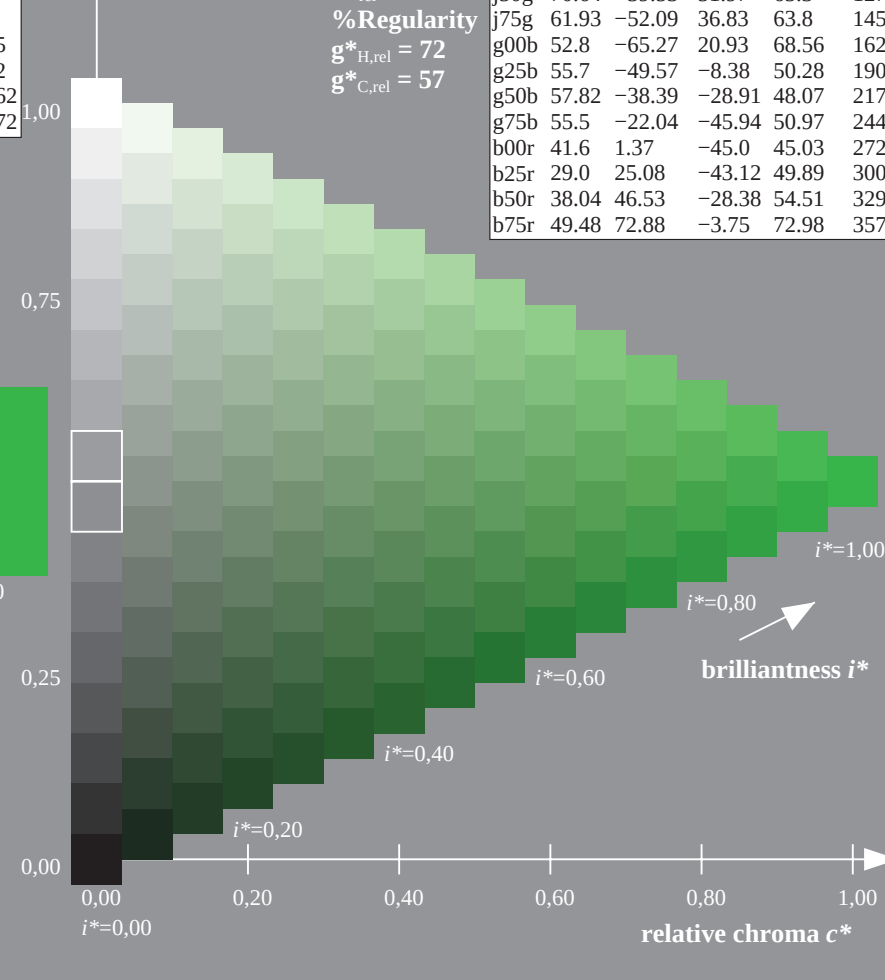
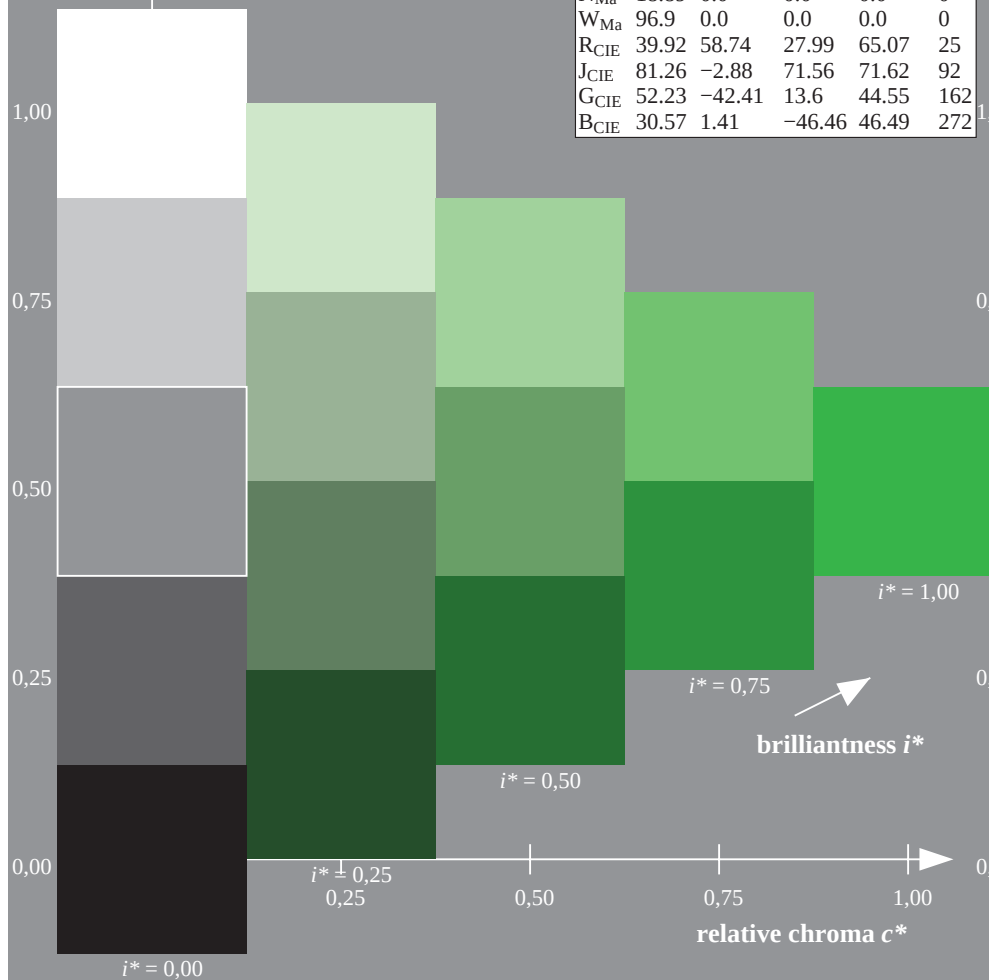
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

	$L^* = \bar{L}_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

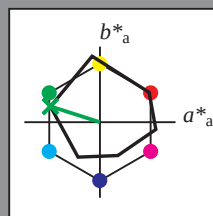
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=\bar{L}^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -64 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

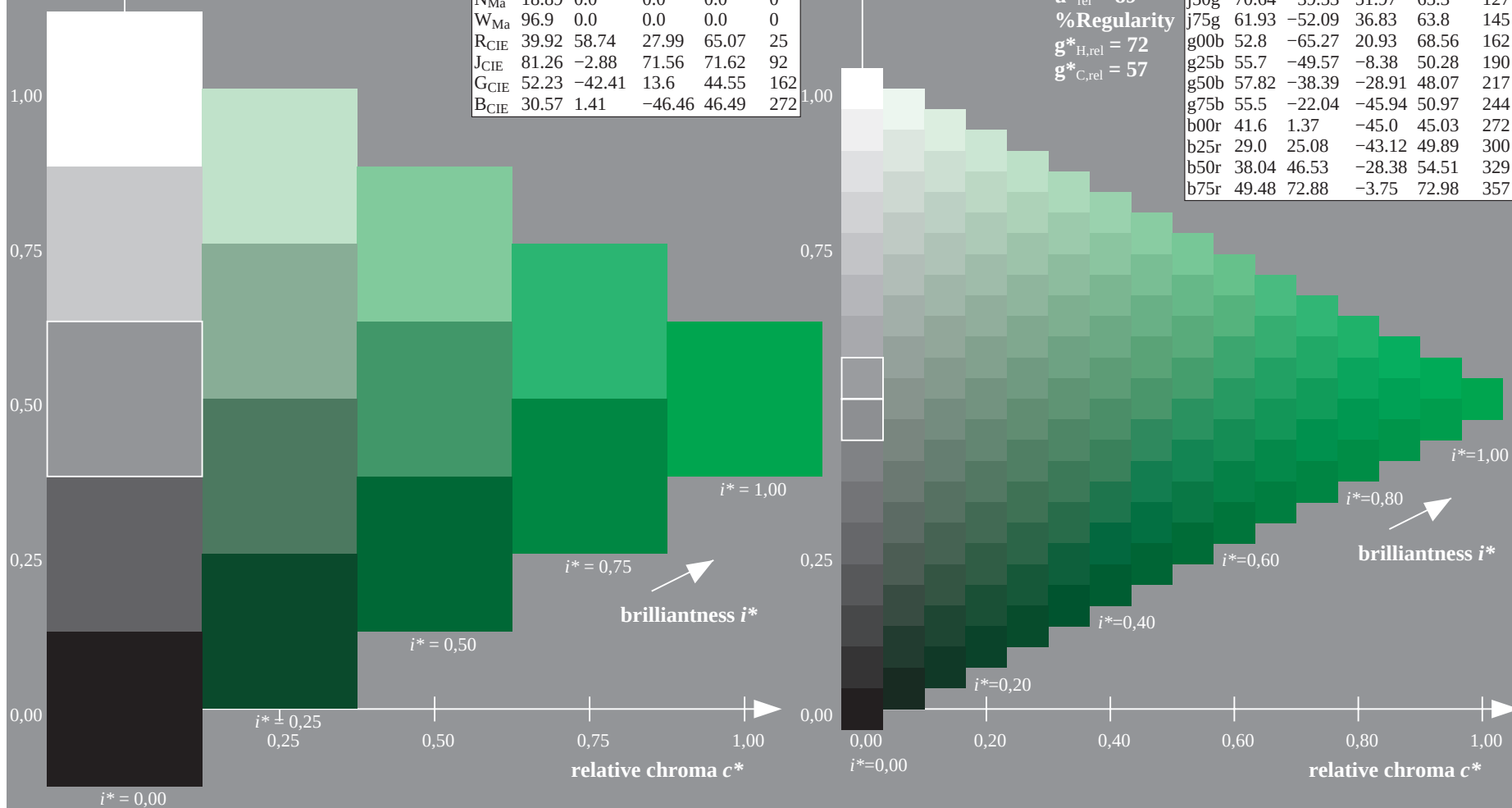
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=\bar{L}^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

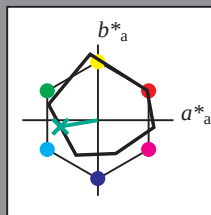
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	$L^* = \bar{L}^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -49 -7

$LAB^*LCH^*_{Ma}$: 56 50 190

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

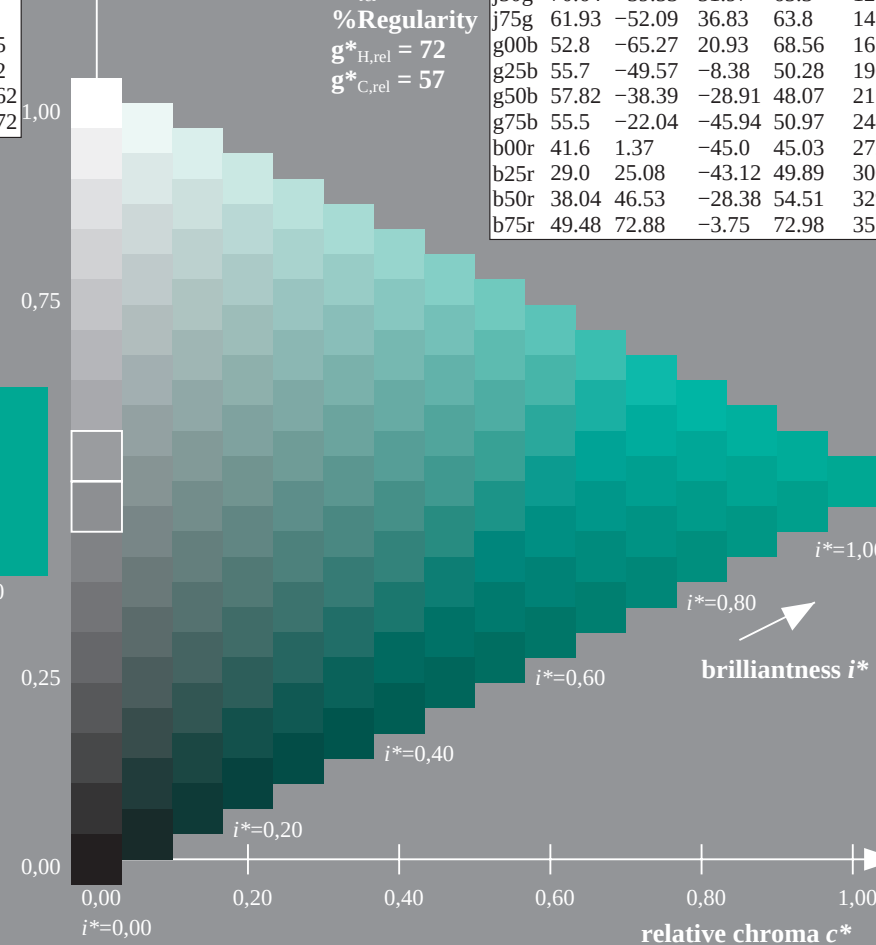
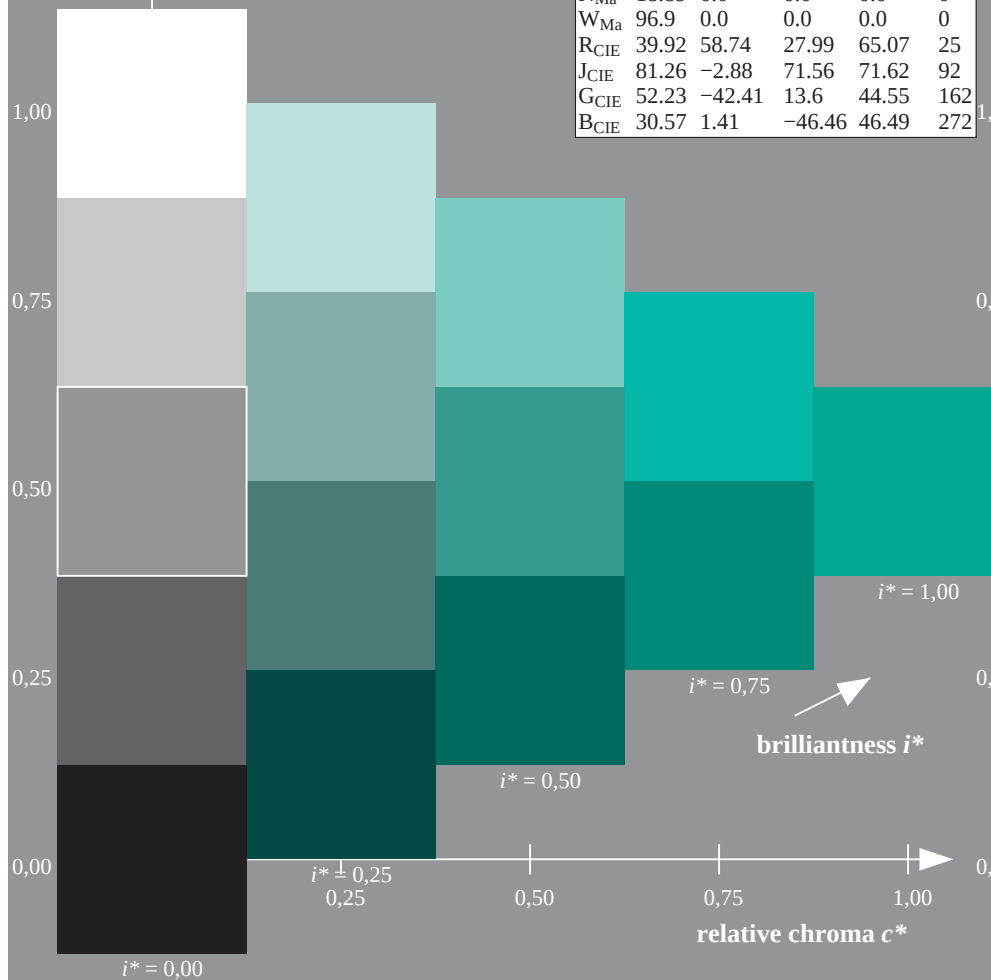
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

	$L^* = \bar{L}^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

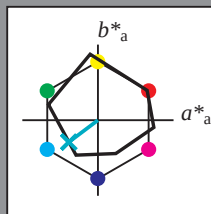
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	$L^* = \bar{L}^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 -37 -28

$LAB^*LCH^*_{Ma}$: 58 48 217

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.74

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

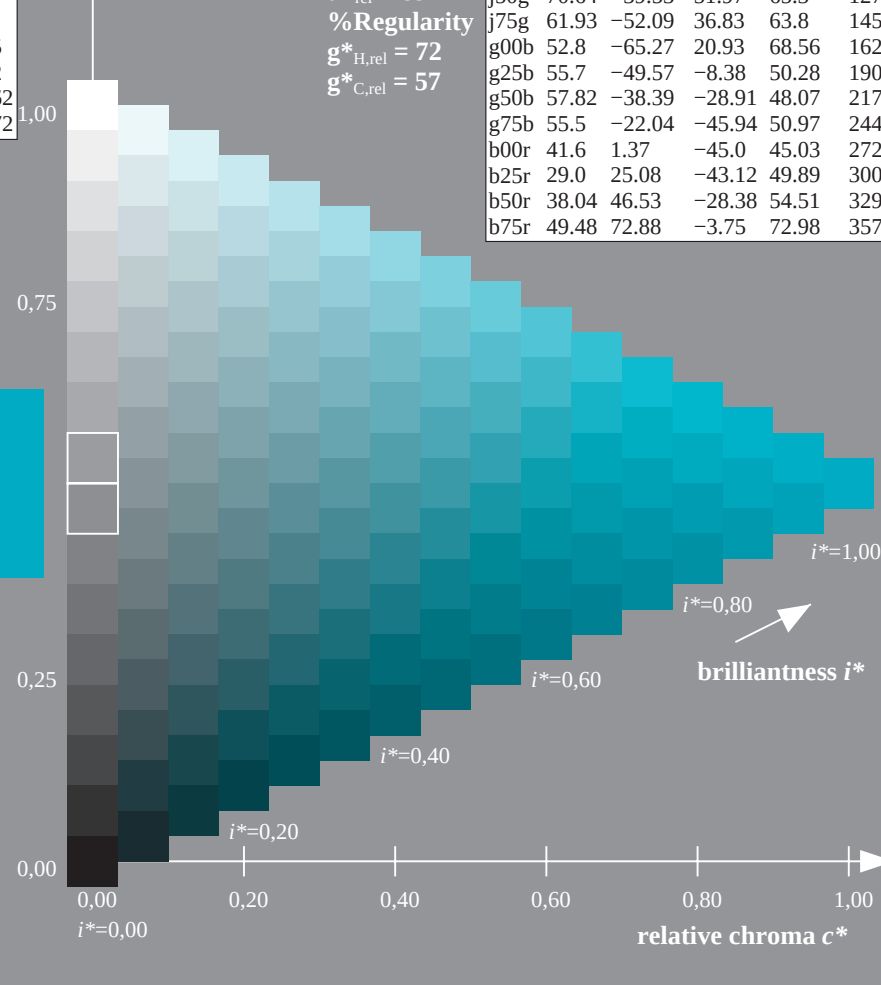
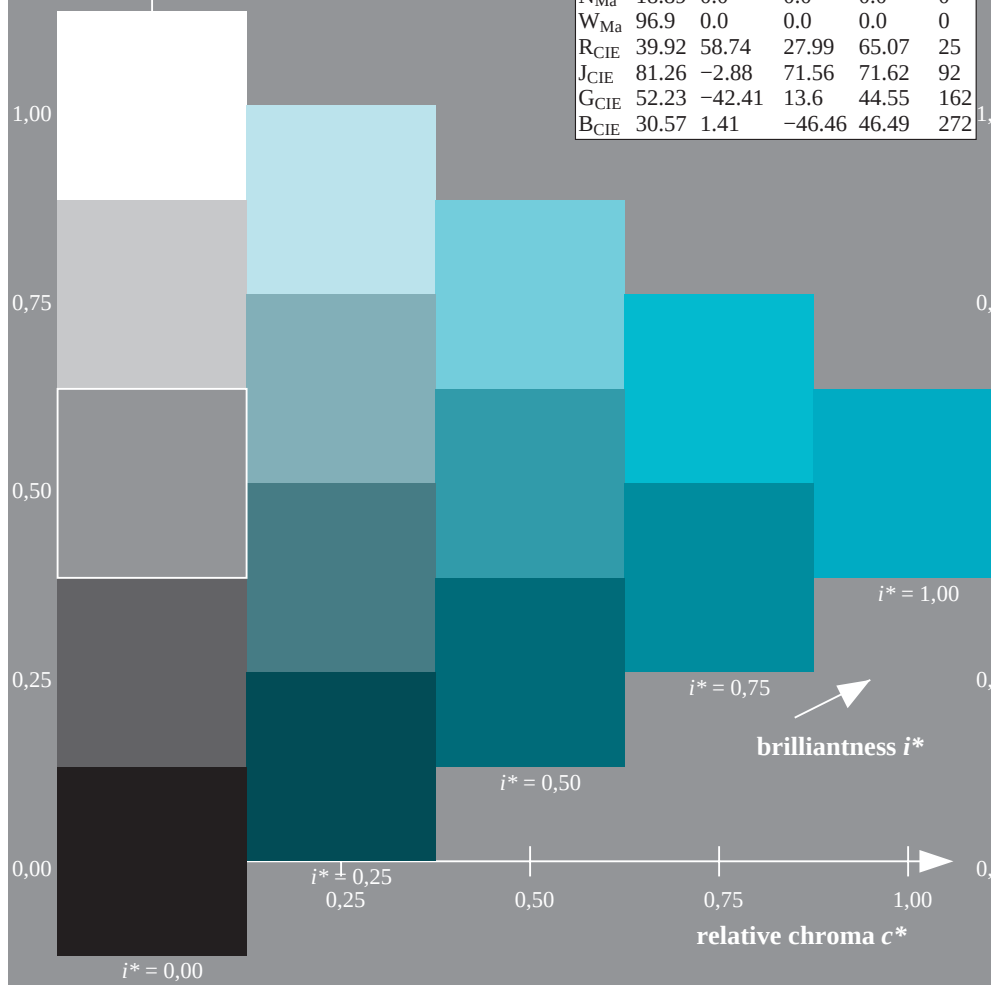
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

	$L^* = \bar{L}^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

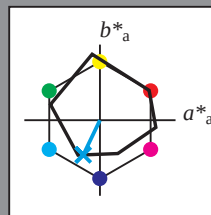
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = \bar{L}_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 -21 -45

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

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

$lab^*olv^*_{Ma}$: 0.0 0.87 1.0

triangle lightness t^*

%Gamut

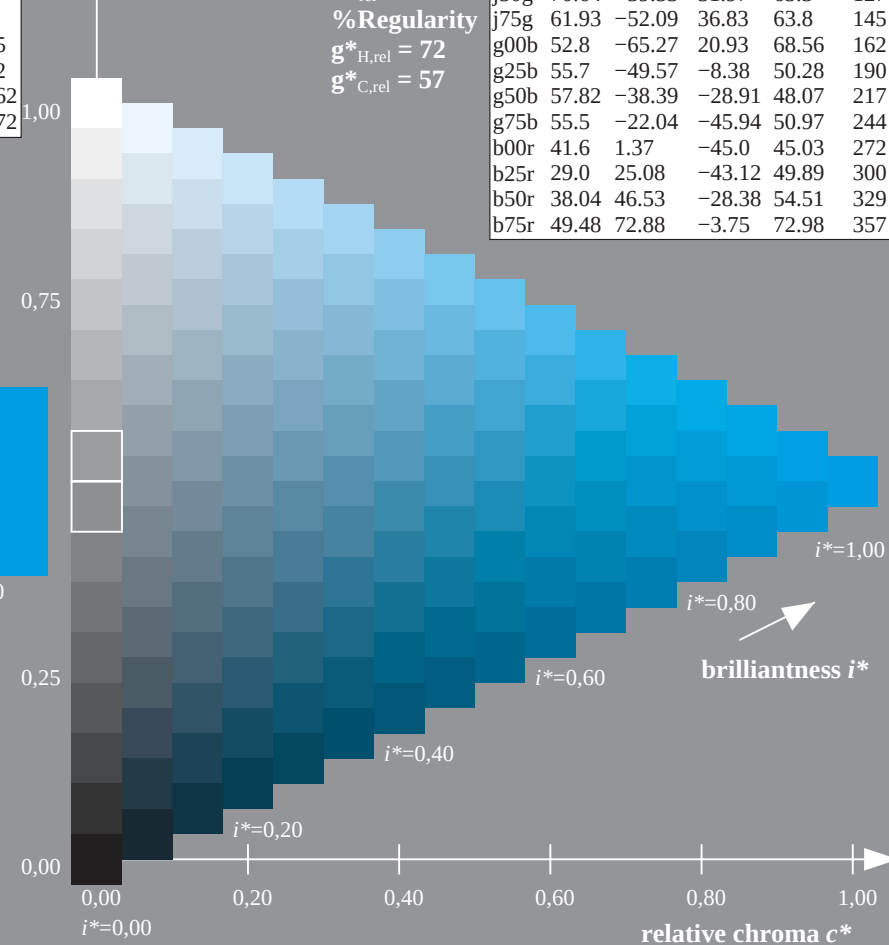
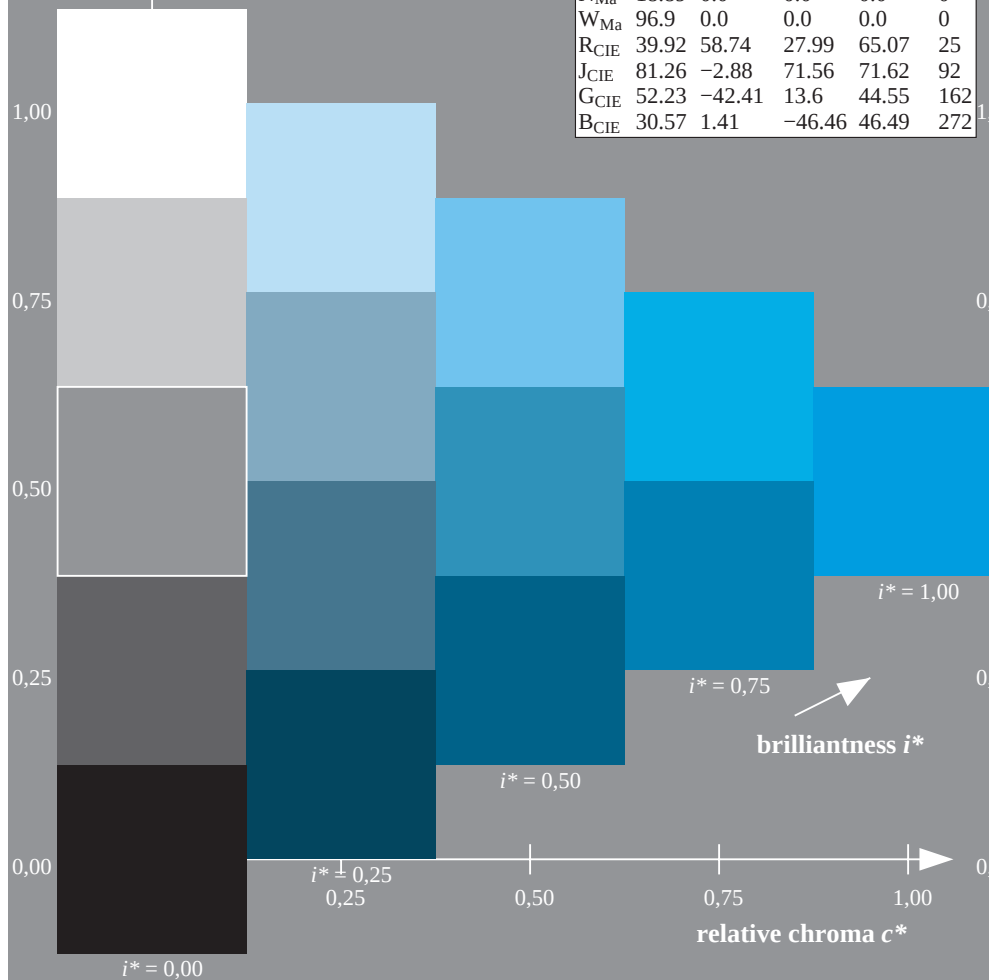
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = \bar{L}_a^*$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

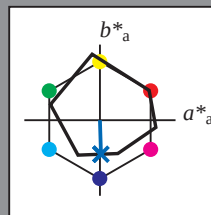
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	$L^* = \bar{L}_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 1 -44

$LAB^*LCH^*_{Ma}$: 42 45 272

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

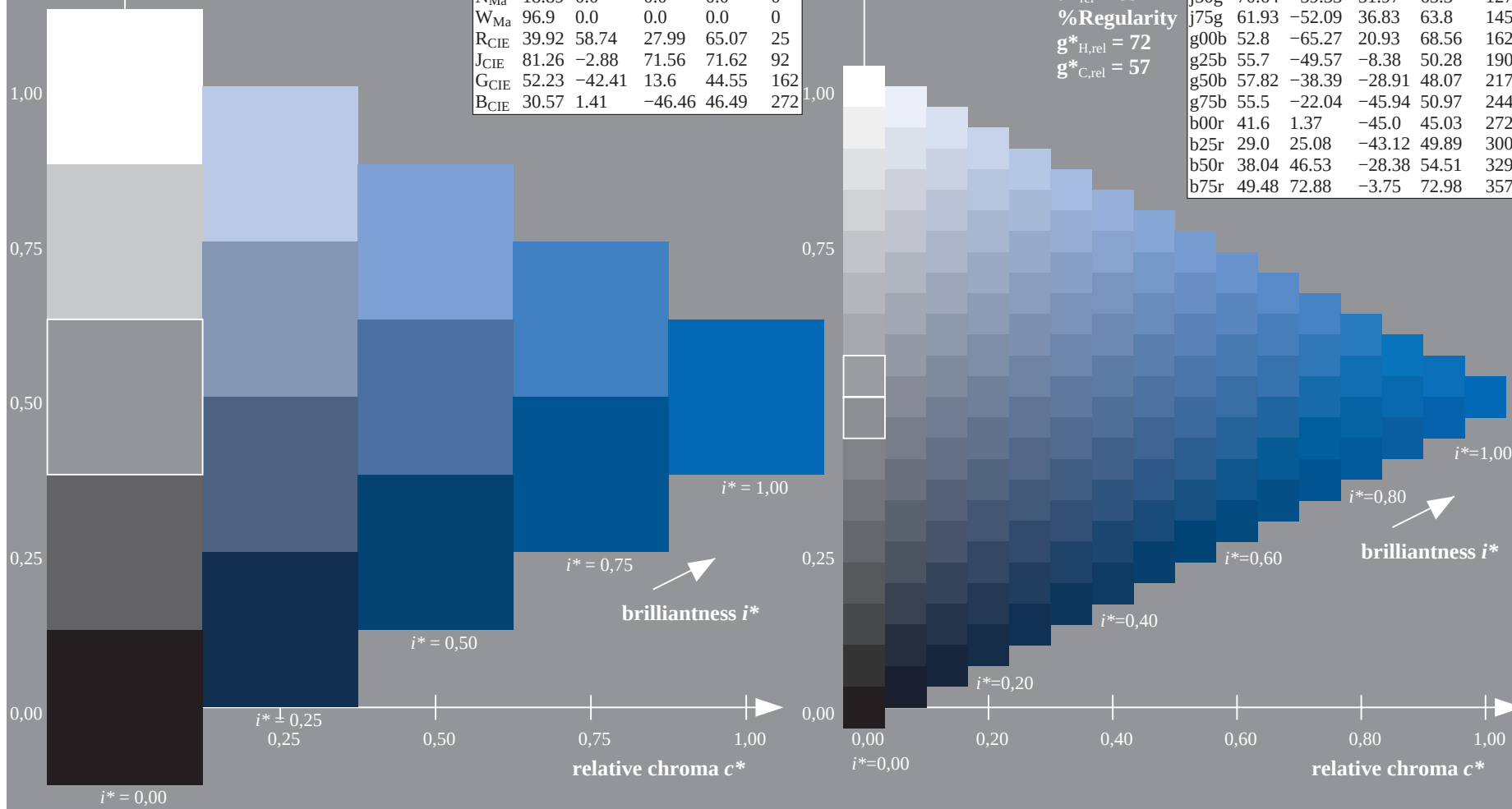
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

	$L^* = \bar{L}_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

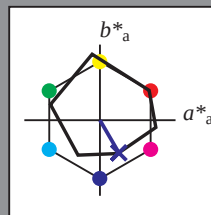
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	$L^* = \bar{L}_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 25 -42

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

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

$lab^*olv^*_{Ma}$: 0.03 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

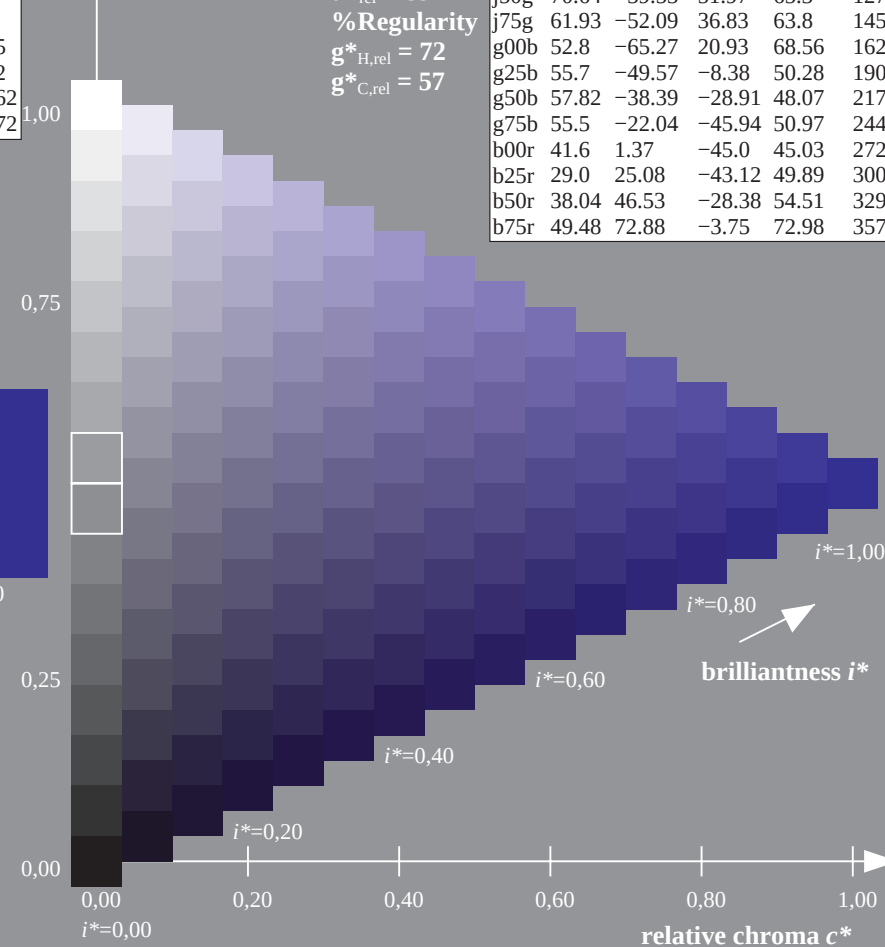
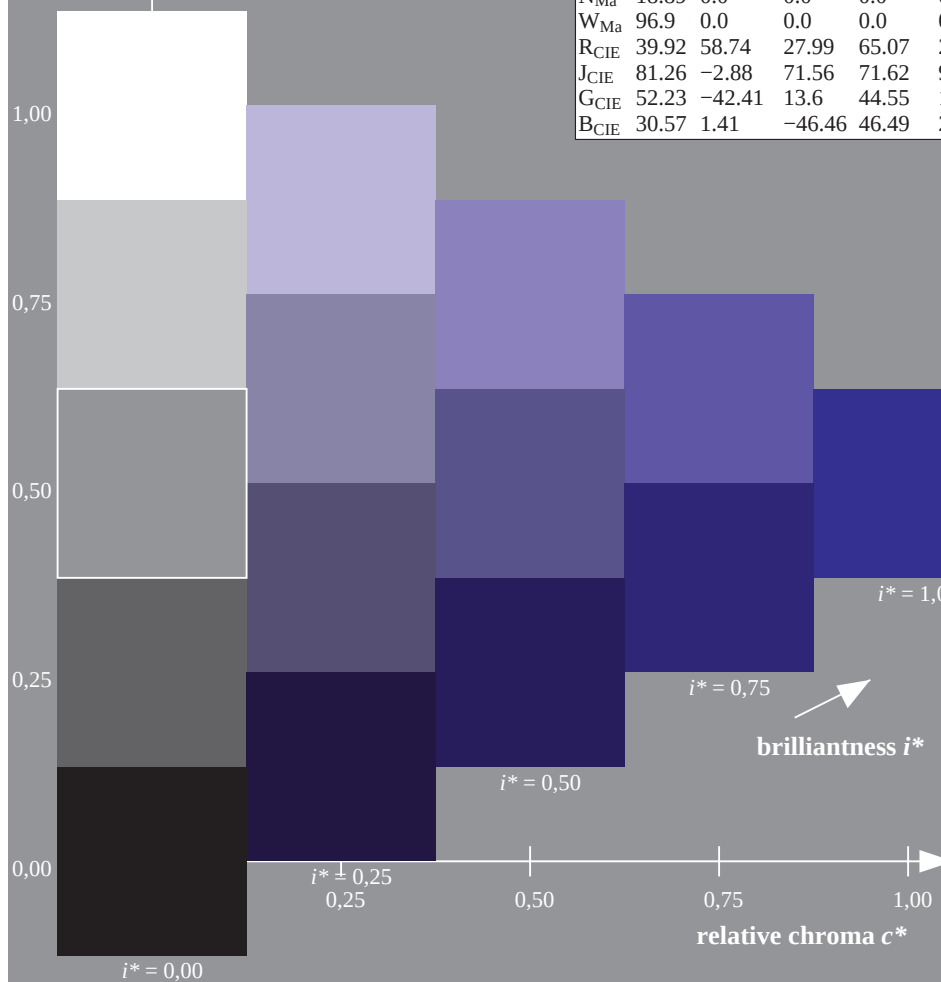
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

	$L^* = \bar{L}_a^*$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

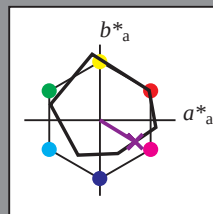
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = \bar{L}_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 47 -27

$LAB^*LCH^*_{Ma}$: 38 55 329

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

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

triangle lightness t^*

%Gamut

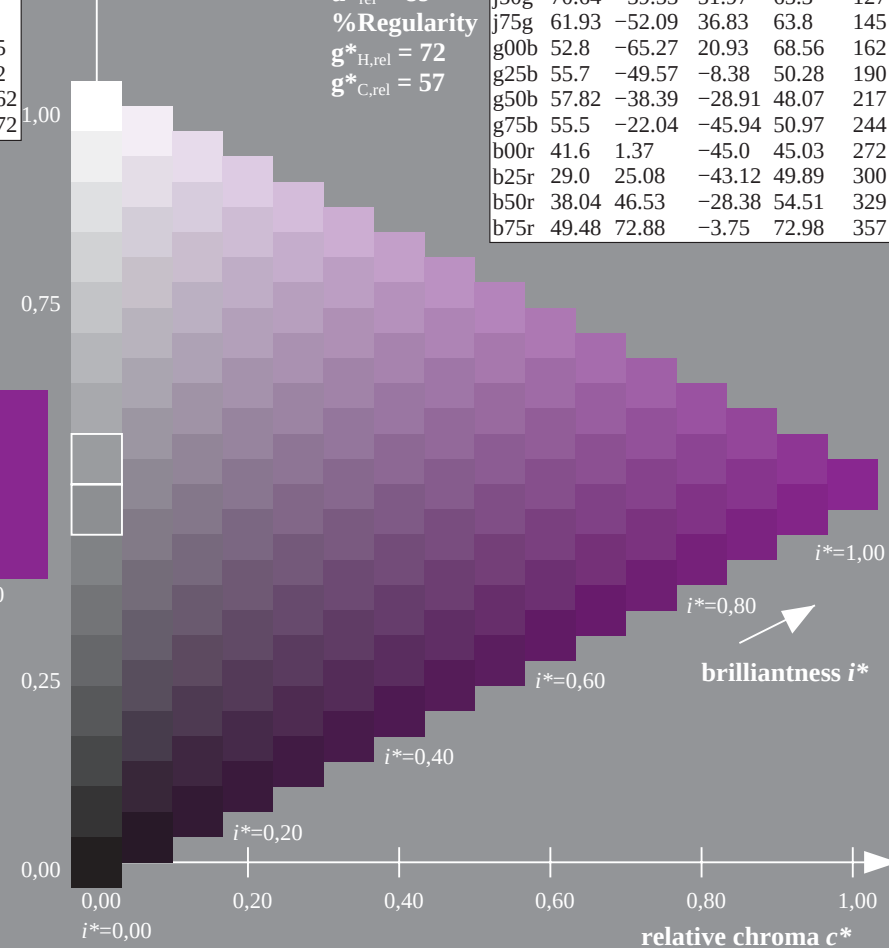
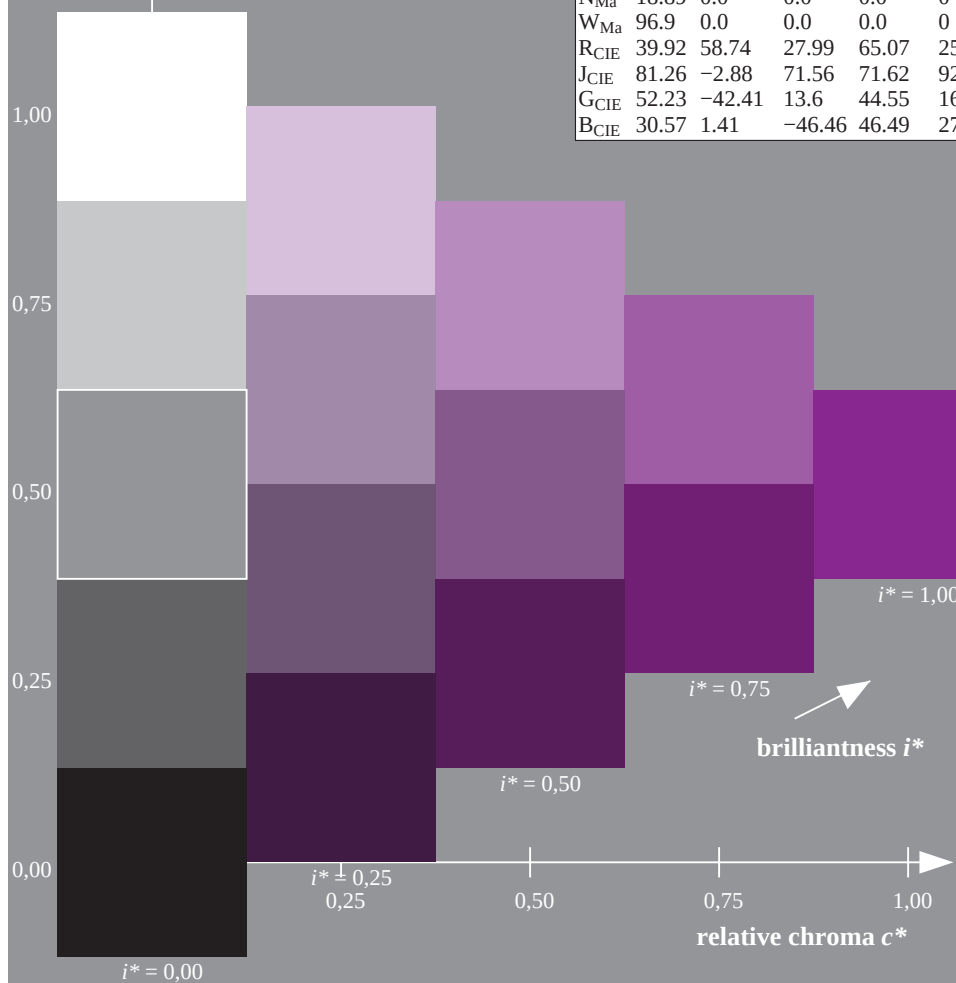
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = \bar{L}_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

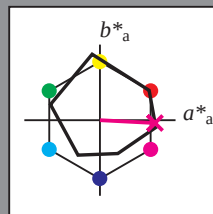
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = \bar{L}^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 73 -3

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

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.88

triangle lightness t^*

%Gamut

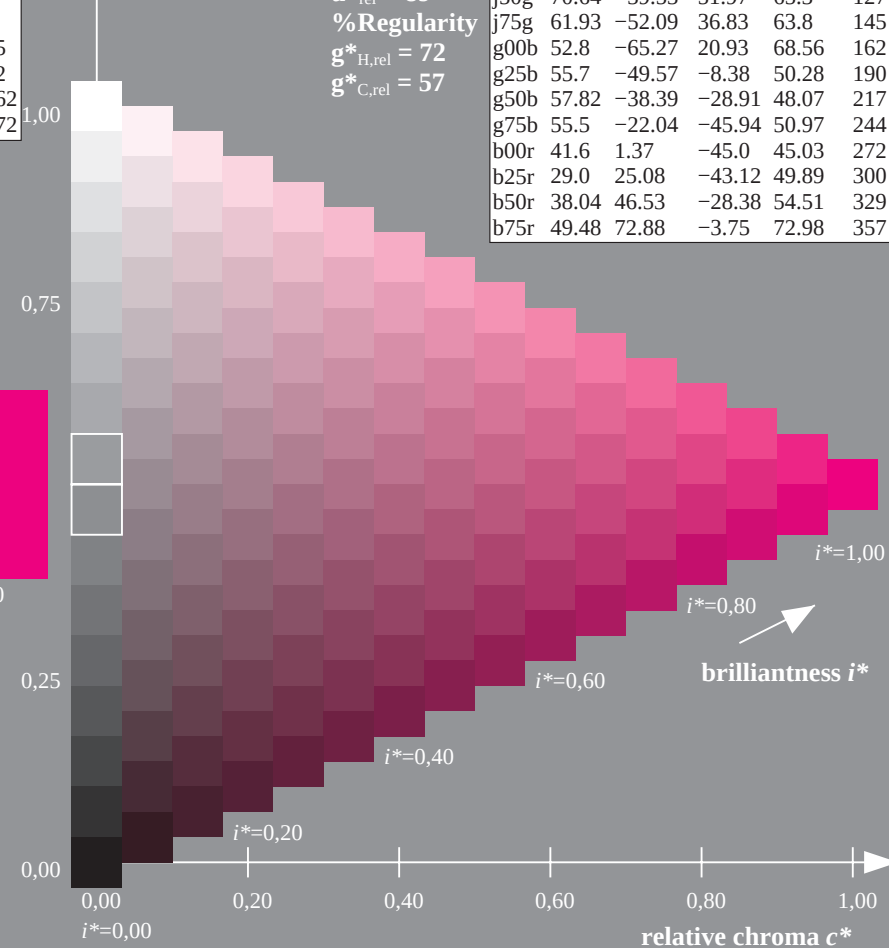
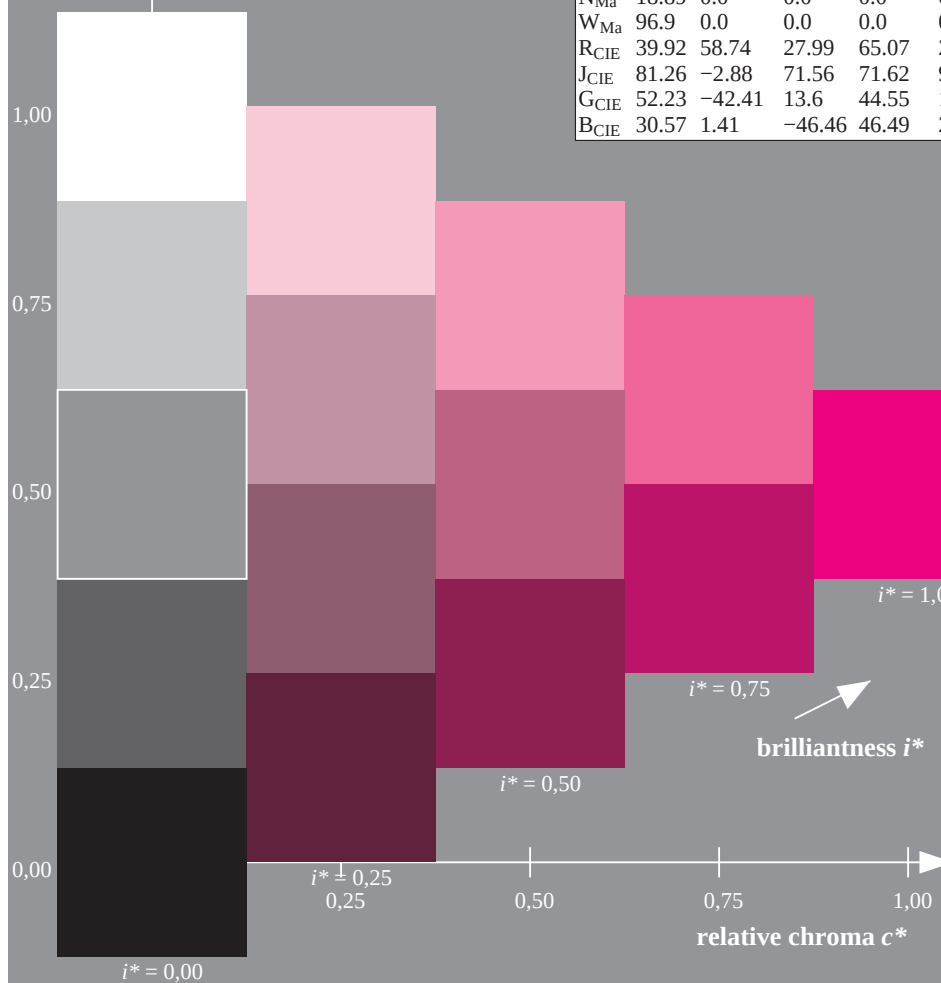
$u^*_{rel} = 89$

%Regularity

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

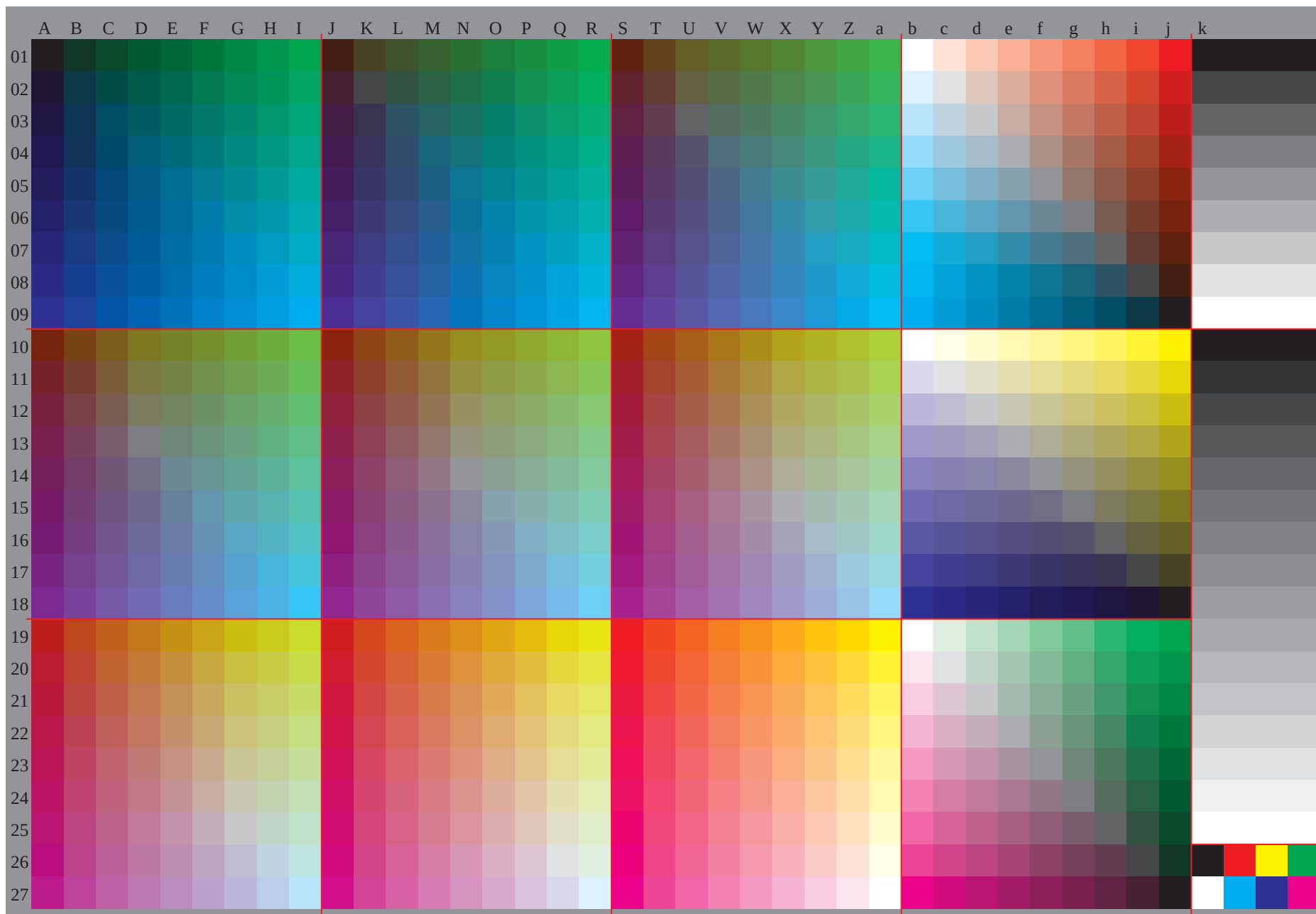
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data					
	$L^* = \bar{L}^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



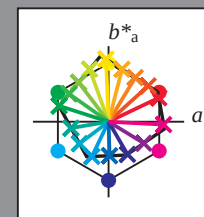
BAM registration: 20080701-De98,10L/L98E00NP.PS/.PDF BAM material: code=rh4ta
+ application for evaluation and measurement of printer or monitor systems

See for similar files: <http://www.ps.bam.de/De98/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=1



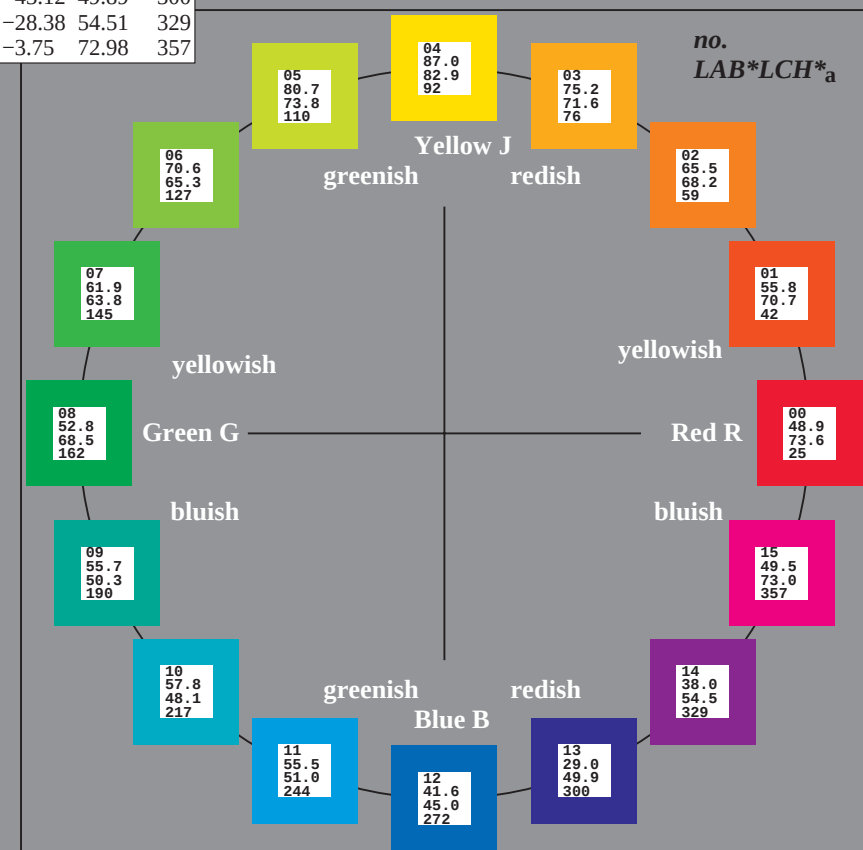
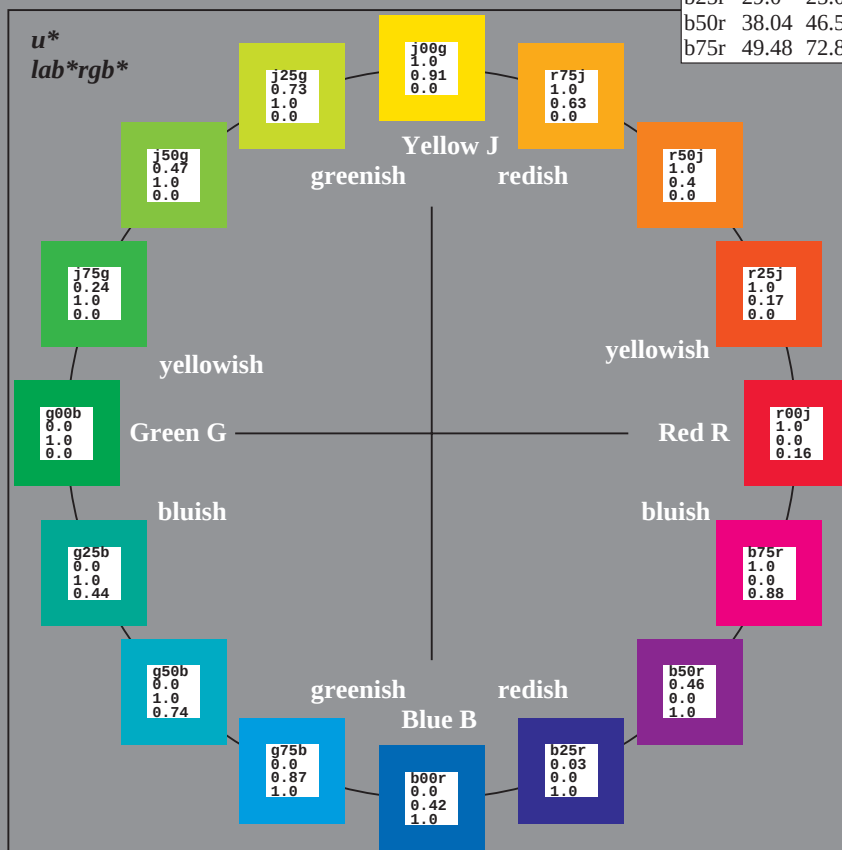
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
*lab*tch* and lab*icu**
elementary hue text:
u = 16 hues r00j, r25j, ..., b75r*
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

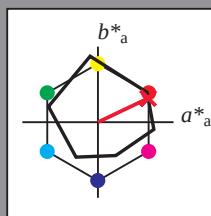
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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 0.16

triangle lightness t^*

%Gamut

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

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

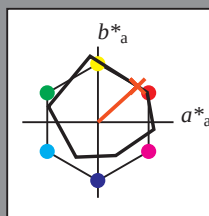
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	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 $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

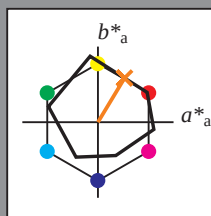
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 65 68 59

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

$lab^*olv^*_{Ma}$: 1.0 0.4 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	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 $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

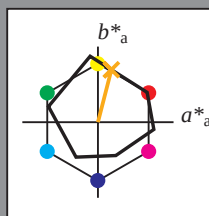
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 75 72 76

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

$lab^*olv^*_{Ma}$: 1.0 0.63 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	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 $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

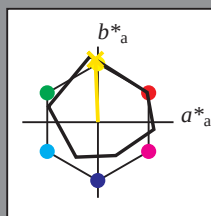
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -2 83

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

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

$lab^*olv^*_{Ma}$: 1.0 0.91 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	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 $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

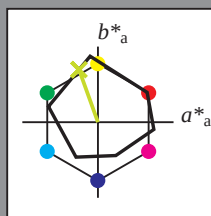
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 81 -24 69

$LAB^*LCH^*_{Ma}$: 81 74 110

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

$lab^*olv^*_{Ma}$: 0.73 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					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

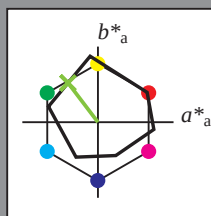
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 71 -39 52

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

See for similar files: <http://www.ps.bam.de/De98/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=1

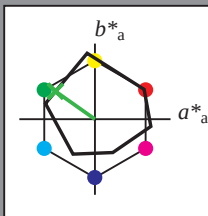
BAM registration: 20080701-De98/10/L/98E00NP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$ data for any colour: Data for maximum colour (Ma):

*lab*tch** and *lab*icu**
elementary hue text:

$$u^* = j75g$$

contrast reduction factor:

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

ORS19_96a; adapted (a) CIELAB data					
	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB*LAB*_{Ma}: 62 -51 37

LAB*LCH*Ma: 62 64 145

*lab*rgb*_Ma*: 0.25 1.0 0.0

lgb*oly*_M2: 0.24 1.0 0.0

triangle lightness t^*

100

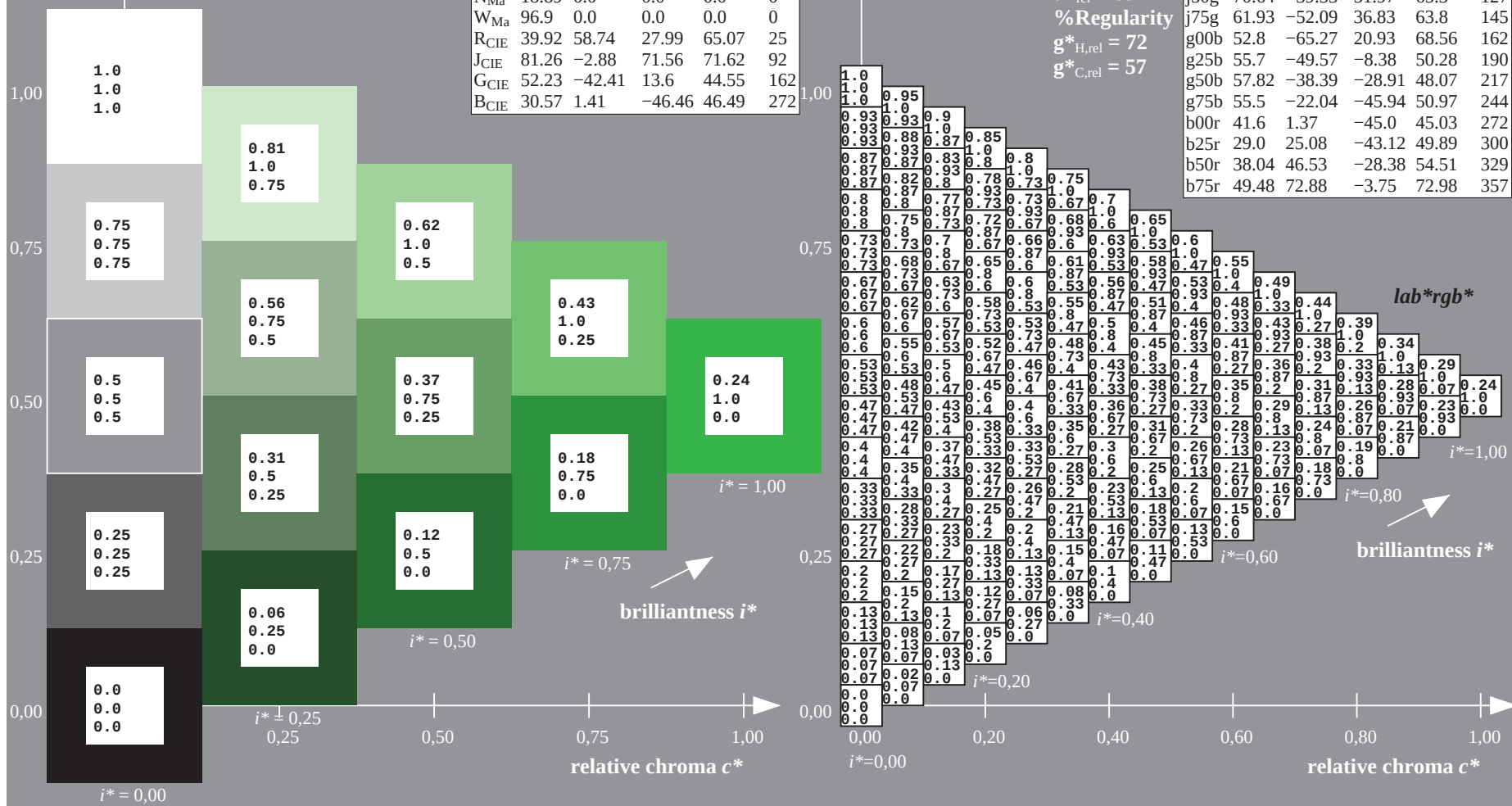
%Gamut

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

%Regularity

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

ORS19_96a; adapted (a) CIELAB data					
	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



BAM-test chart De98; Colorimetric systems, Page 45/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmy5* setcmykcolor
```

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

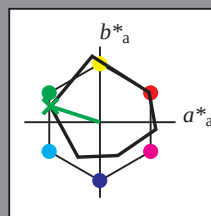
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -64 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					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	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^*

See for similar files: <http://www.ps.bam.de/De98/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSp=1

BAM registration: 20080701-De98/10L/L98E00NP.PS/.PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$ data for any colour: Data for maximum colour (Ma):

elementary hue text:

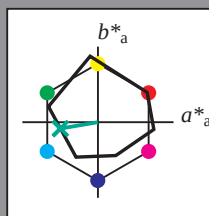
$$u^* = q25b$$

contrast reduction factor:

$$c_p = 1.0$$

triangle lightness t^*

↑



ORS19_96a; adapted (a) CIELAB data					
	$L^* = \bar{L}^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB*LAB*_{Ma}: 56 -49 -7

LAB*LCH*Ma: 56 50 190

*lab*rab**M_a: 0.0 1.0 0.5

*lab*oly**M₂: 0.0 1.0 0.44

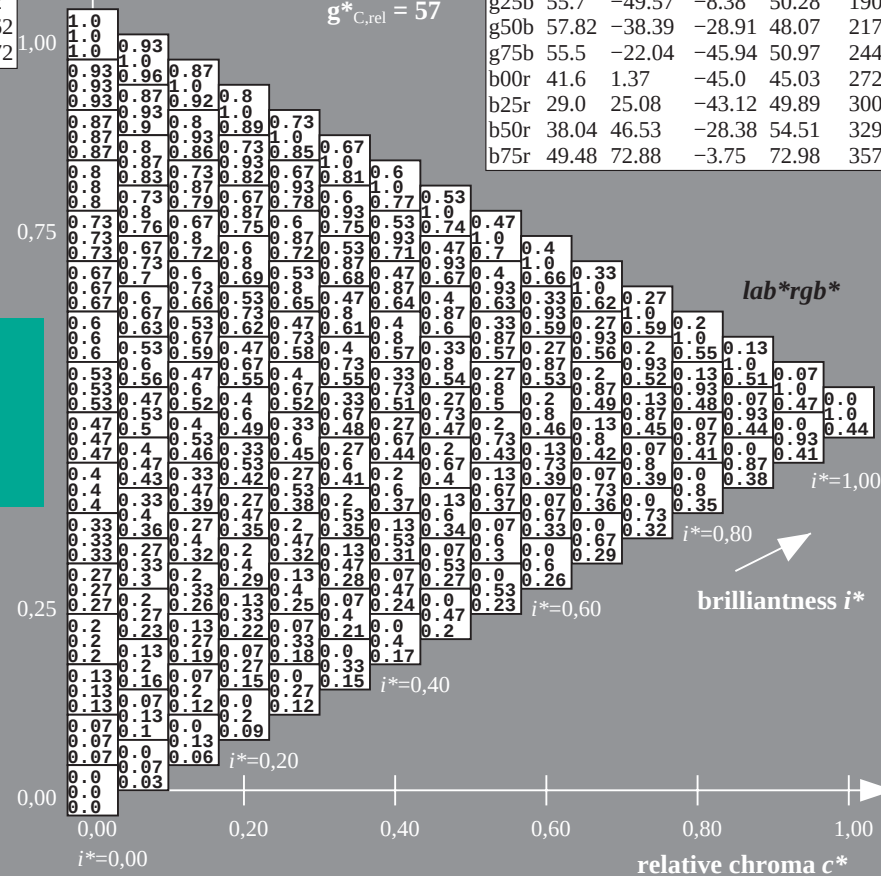
triangle lightness t^*

100

%Gamut

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

% Regular

$$g^*_{H,rel} = 74$$


*lab*rgb**

brilliantness *i**

BAM-test chart De98; Colorimetric systems, Page 47/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmyn5* setcmykcolor
```

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

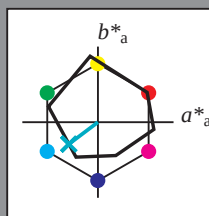
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 -37 -28

$LAB^*LCH^*_{Ma}$: 58 48 217

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.74

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

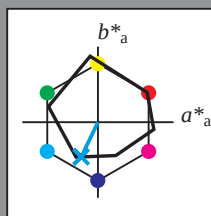
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 -21 -45

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

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

$lab^*olv^*_{Ma}$: 0.0 0.87 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	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 $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

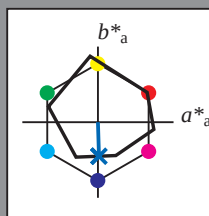
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 1 -44

$LAB^*LCH^*_{Ma}$: 42 45 272

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

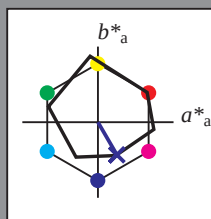
$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$ data for any colour: Data for maximum colour (Ma):

elementary hue text:

contrast reduction factor:

K triangle



ORS19_96a; adapted (a) CIELAB data					
	L^*_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	-10.28	87.24	87.85	97
L _{Ma}	92.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB*LAB*_{Ma}: 29 25 -42

LAB*LCH*Ma: 29 50 300

*lab*rab**Ma: 0.5 0.0 1.0

*lab*oly**M₂: 0.03 0.0 1.0

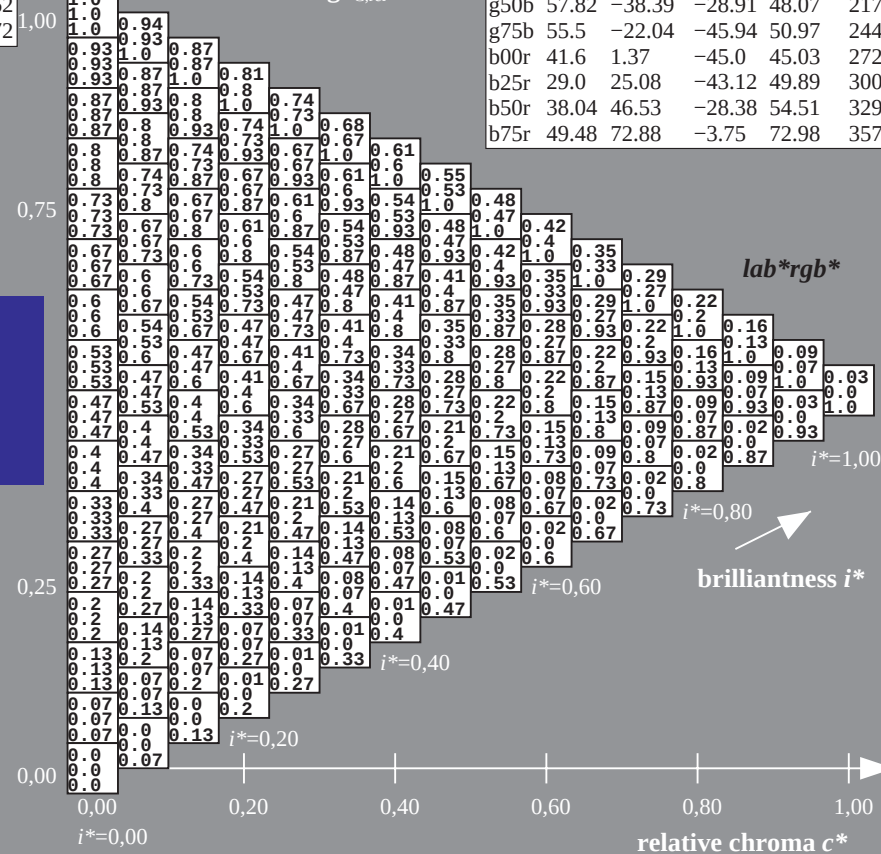
triangle lightness t^*

triangle rightness:

%Gamut

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

%Regularity

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


*lab*rgb**

 $i^* = 1,00$

brilliantness i*

BAM-test chart De98; Colorimetric systems, Page 51/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmyn5* setcmykcolor
```

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

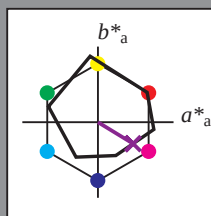
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 47 -27

$LAB^*LCH^*_{Ma}$: 38 55 329

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

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

triangle lightness t^*

%Gamut

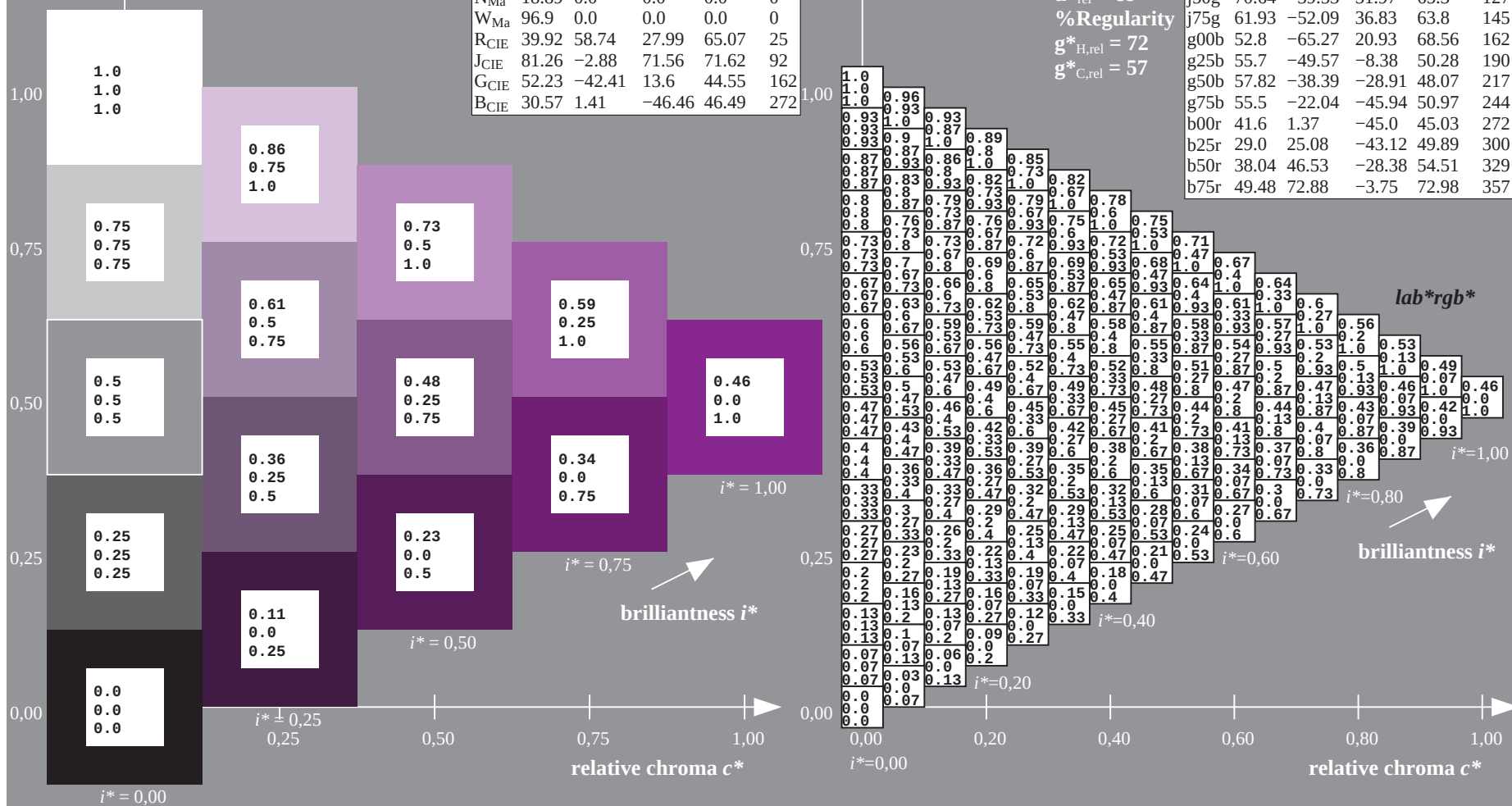
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

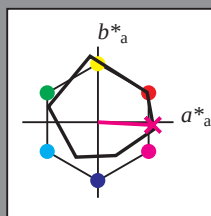
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 73 -3

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

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.88

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	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^*

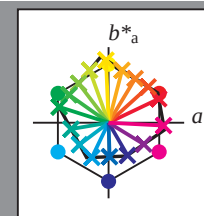
See for similar files: <http://www.ps.bam.de/De98/>; www.ps.bam.de/De98/10L/L98E00NP.PS/.PDF
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSpX=1

	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*rgb*				
01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	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	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	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	
02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.13	0.13	0.13
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	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	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13	
03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.25	0.25	0.25
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	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	0.25	0.25	0.25	0.25	
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.25	0.25	0.25	0.25	
04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	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	0.38	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	0.38	0.38	0.38	0.38	0.38	0.38	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	
05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	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	0.5	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	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5	
06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.63	0.63	0.63	0.63
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	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	0.63	0.63	0.63	0.63	
	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63	
07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	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	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	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	0.75	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	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.75	
08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.88	0.88	0.88	0.88
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	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	0.88	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	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.88	0.88	0.88	
09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	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	1.0	1.0	1.0	1.0	
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	1.0	1.0	1.0	1.0	
10	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	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	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	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	
11	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	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	
	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.07	0.07	0.07	0.07	
12	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38</																																

BAM registration: 20080701-De98/10L/L98E00NP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

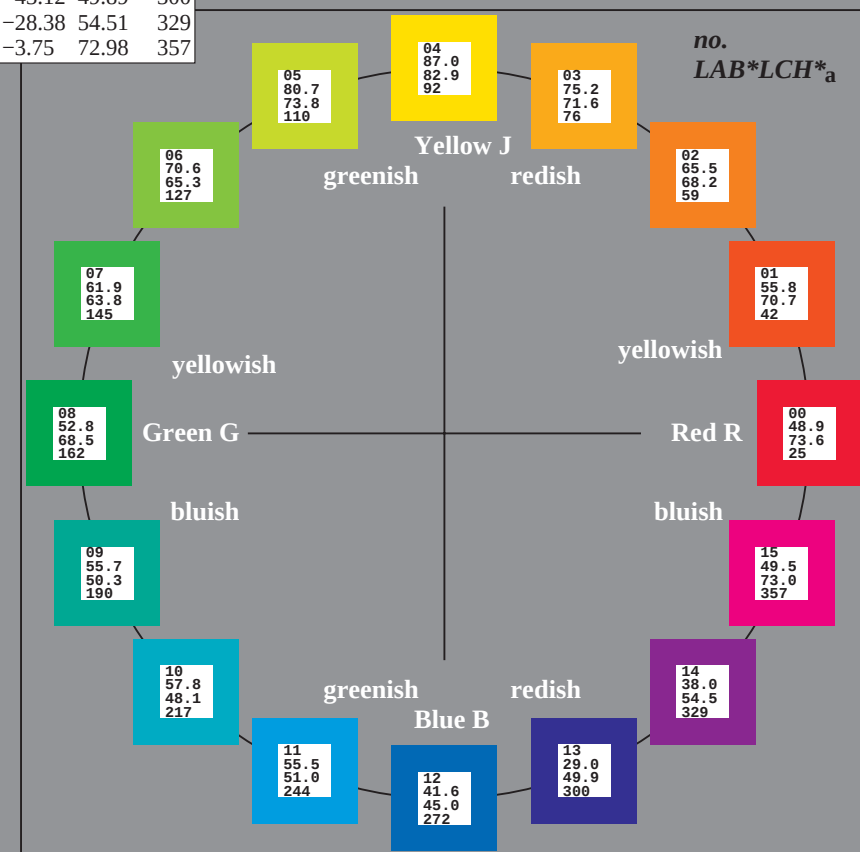
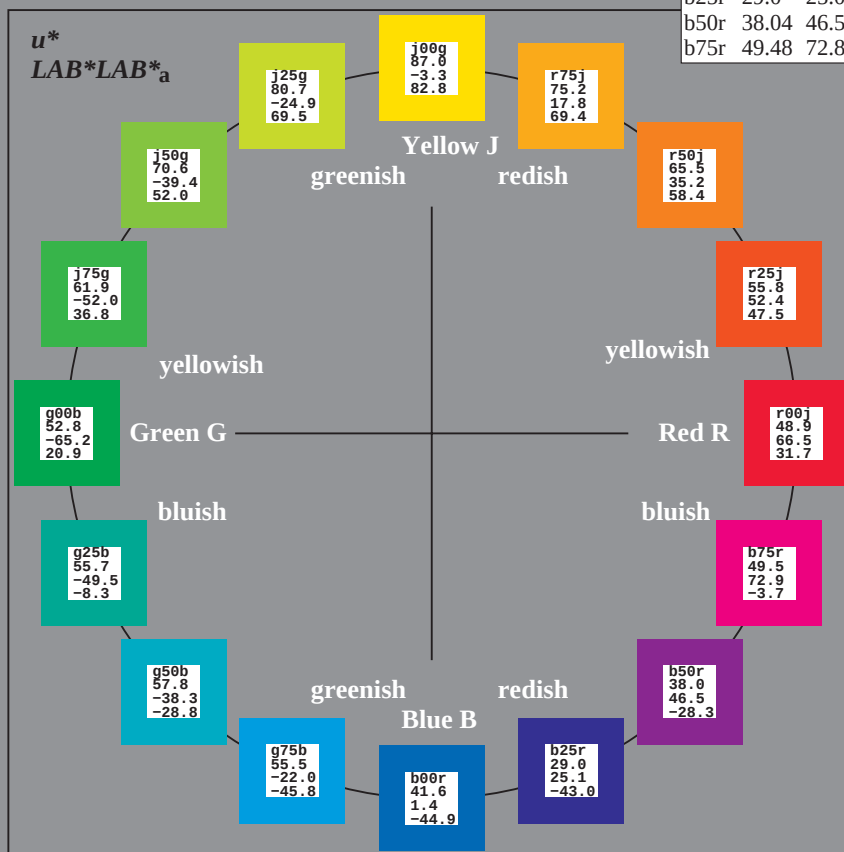
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
*lab*tch* and lab*icu**
elementary hue text:
u = 16 hues r00j, r25j, ..., b75r*
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

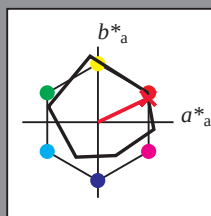
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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 0.16

triangle lightness t^*

%Gamut

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

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

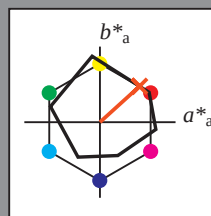
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

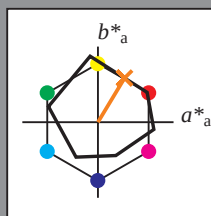
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 65 68 59

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

$lab^*olv^*_{Ma}$: 1.0 0.4 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

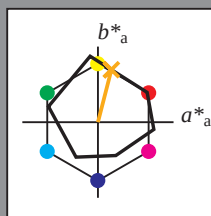
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 75 72 76

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

$lab^*olv^*_{Ma}$: 1.0 0.63 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

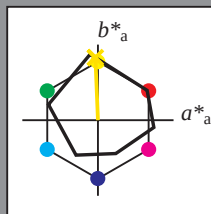
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -2 83

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

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

$lab^*olv^*_{Ma}$: 1.0 0.91 0.0

triangle lightness t^*

%Gamut

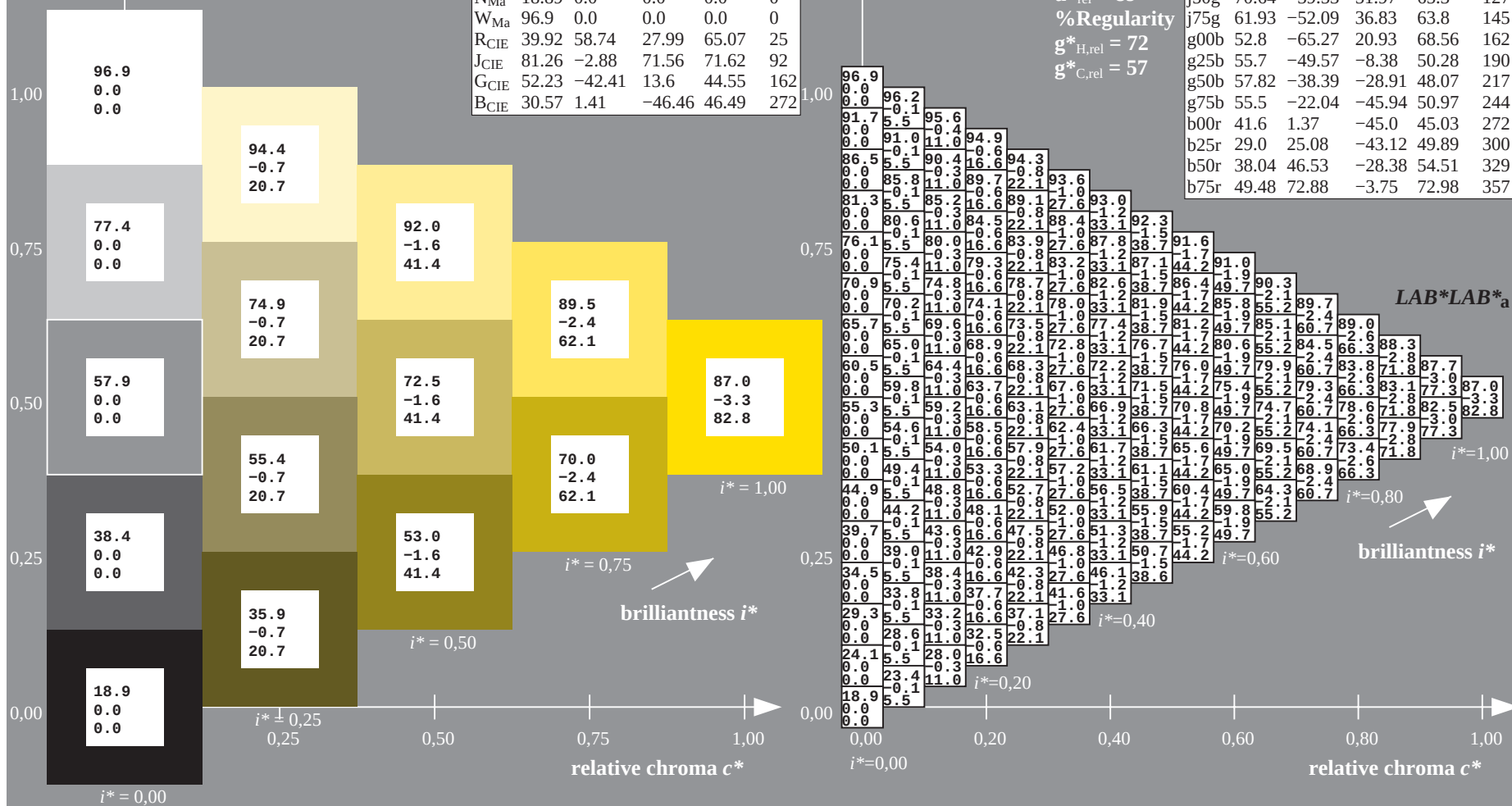
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

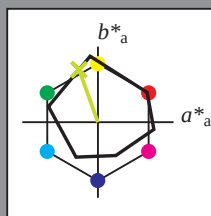
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 81 -24 69

$LAB^*LCH^*_Ma$: 81 74 110

$lab^*rgb^*_Ma$: 0.75 1.0 0.0

$lab^*olv^*_Ma$: 0.73 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					
	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

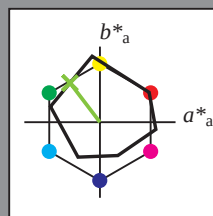
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 71 -39 52

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

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

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

triangle lightness t^*

%Gamut

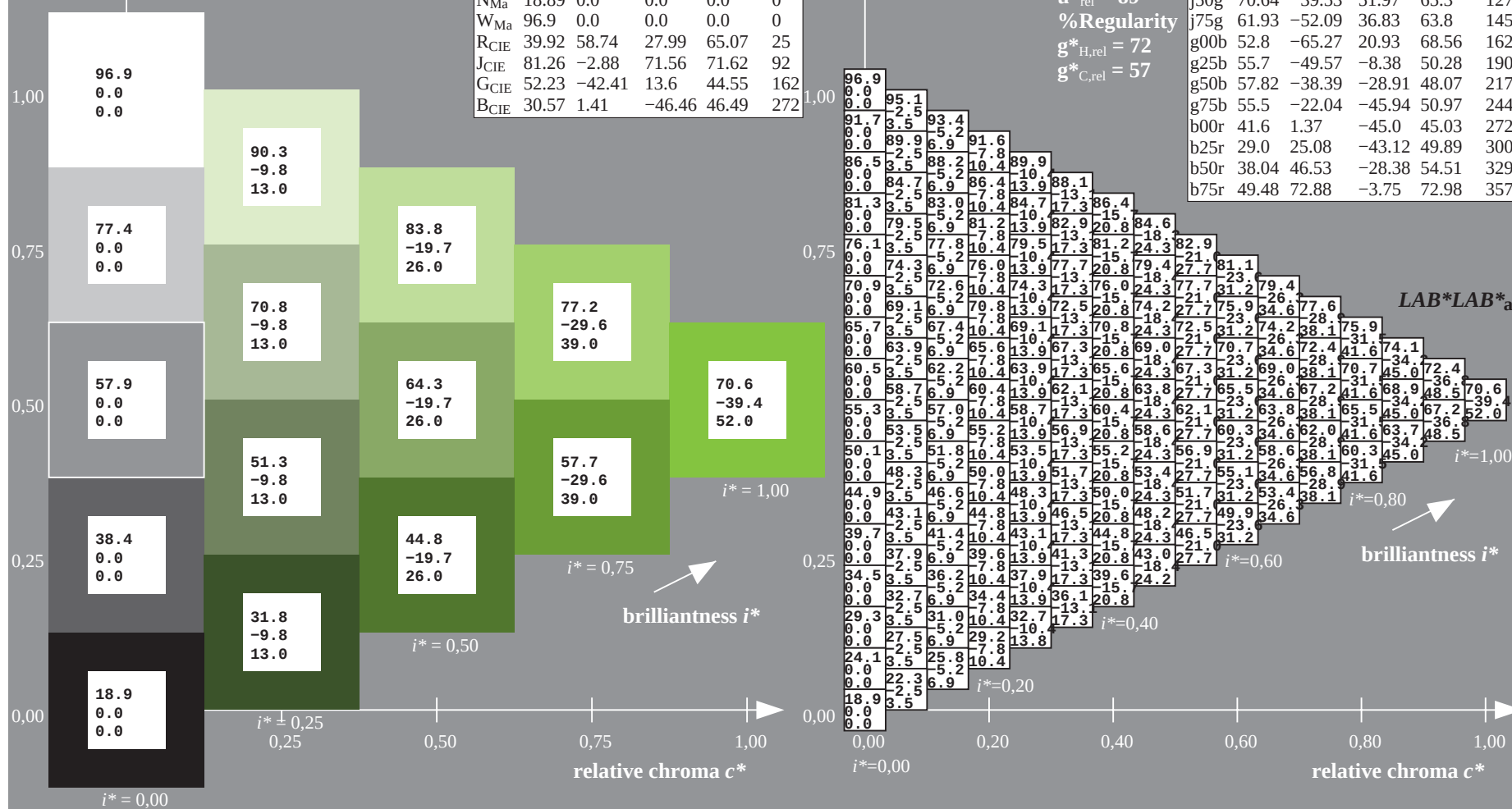
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

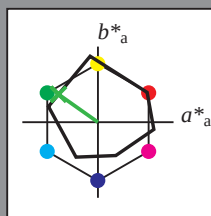
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 62 -51 37

$LAB^*LCH^*_{Ma}$: 62 64 145

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

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

triangle lightness t^*

%Gamut

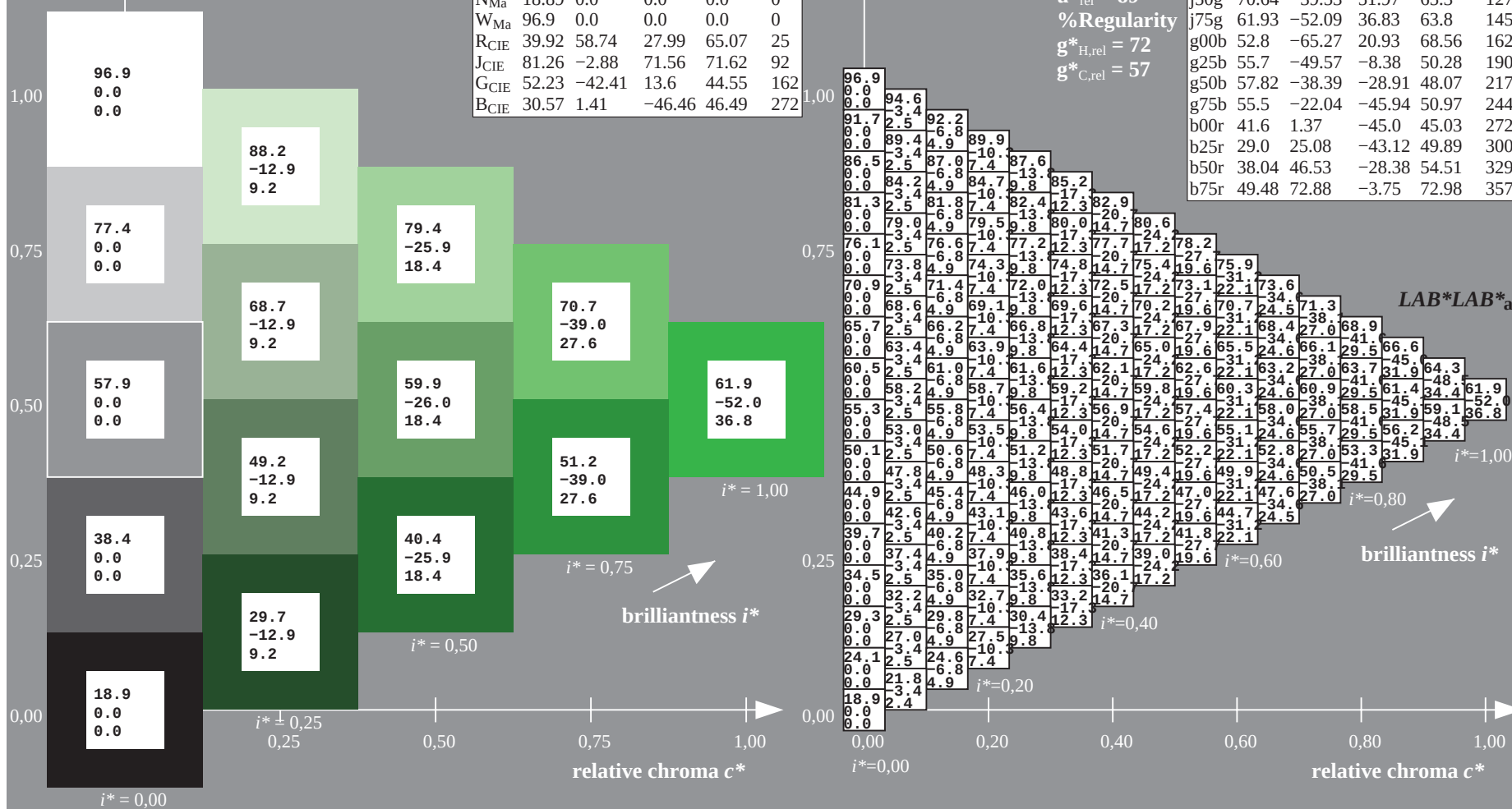
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

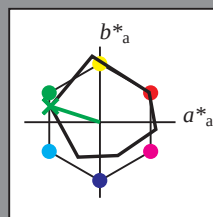
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 53 -64 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

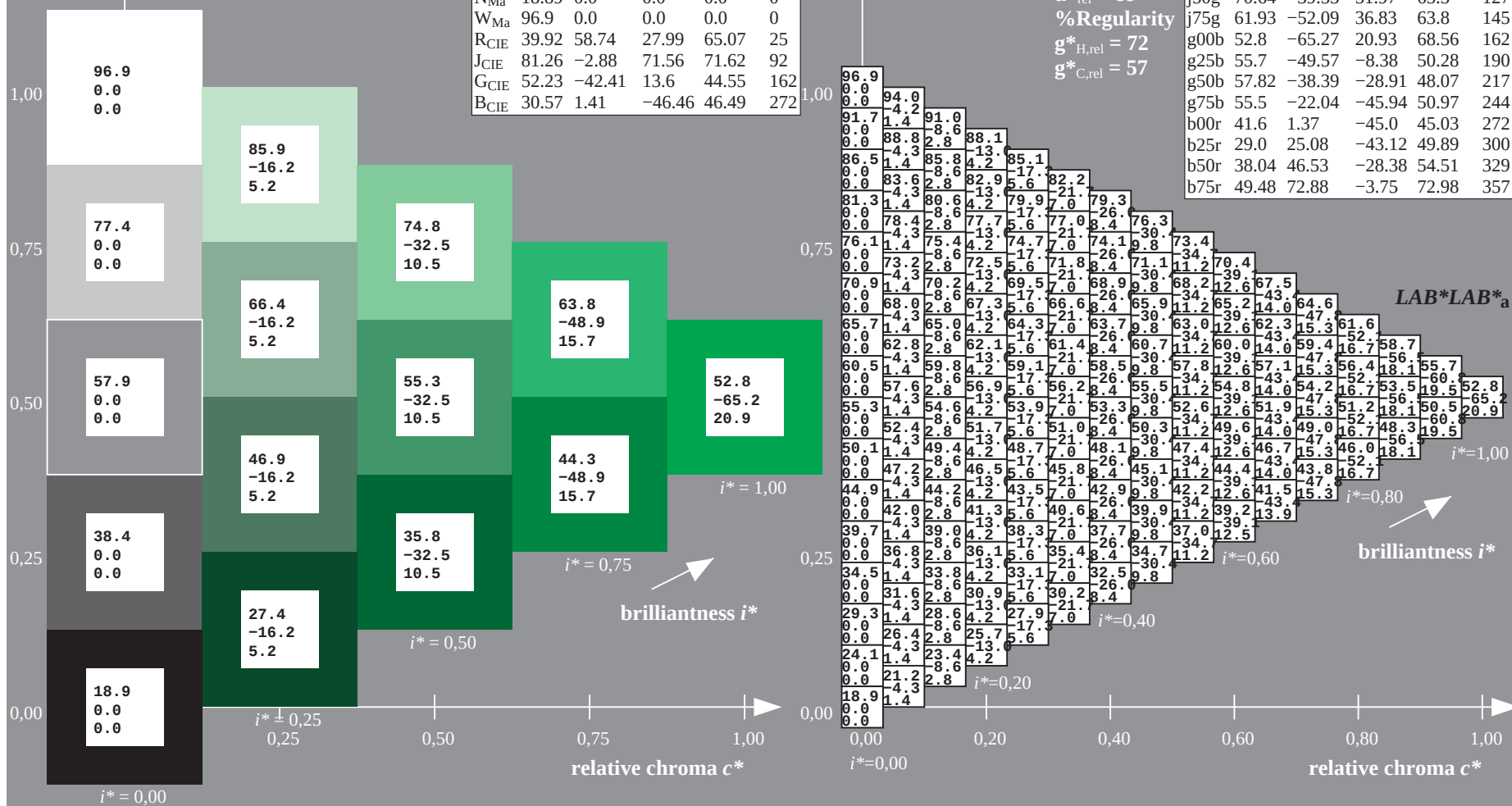
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

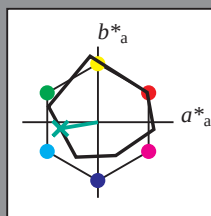
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -49 -7

$LAB^*LCH^*_{Ma}$: 56 50 190

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

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

triangle lightness t^*

%Gamut

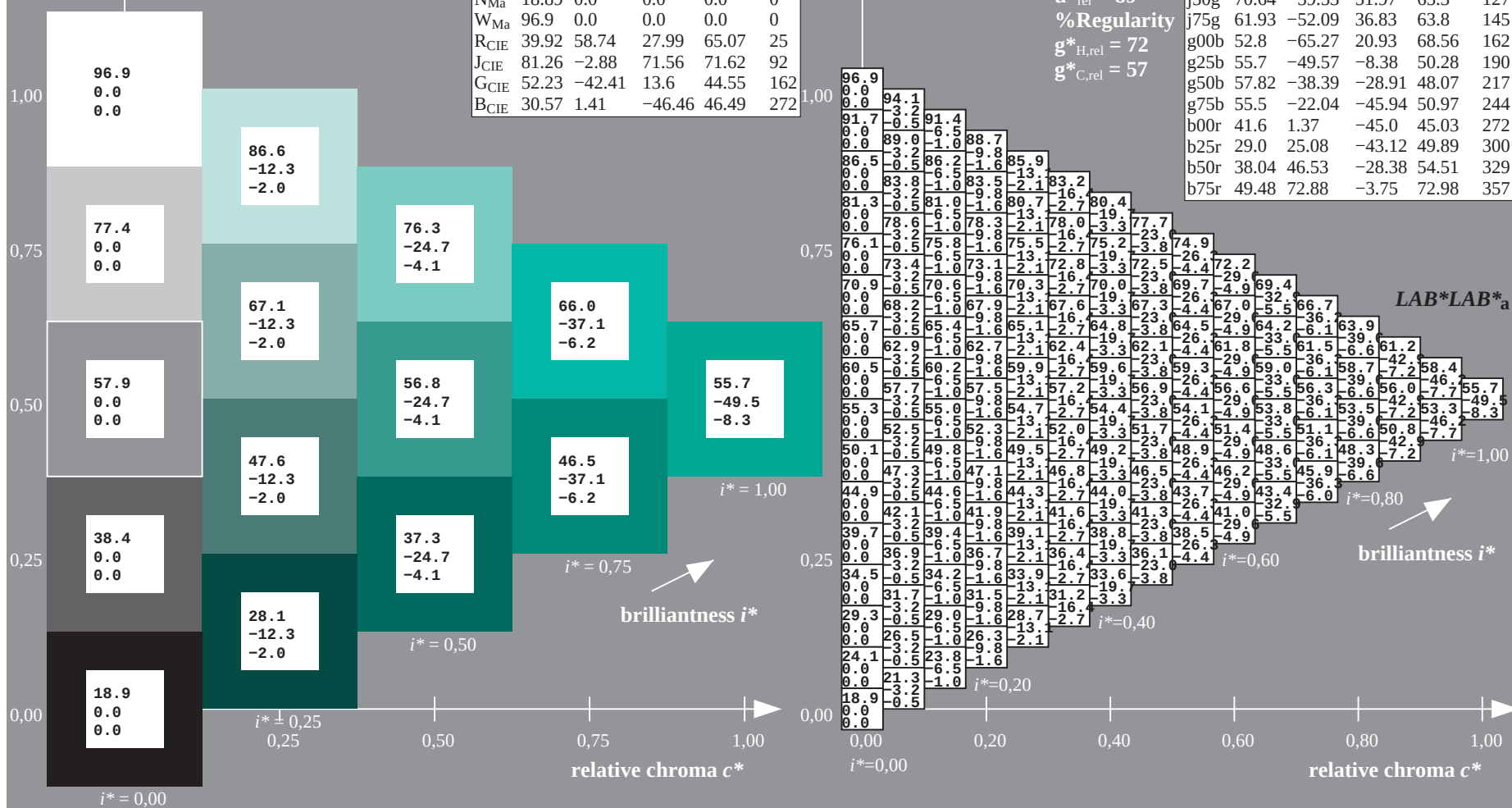
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

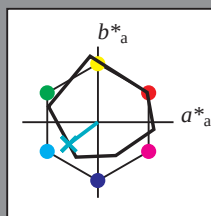
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 -37 -28

$LAB^*LCH^*_{Ma}$: 58 48 217

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.74

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

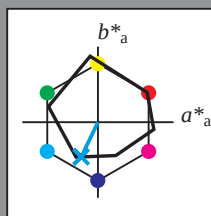
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 -21 -45

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

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

$lab^*olv^*_{Ma}$: 0.0 0.87 1.0

triangle lightness t^*

%Gamut

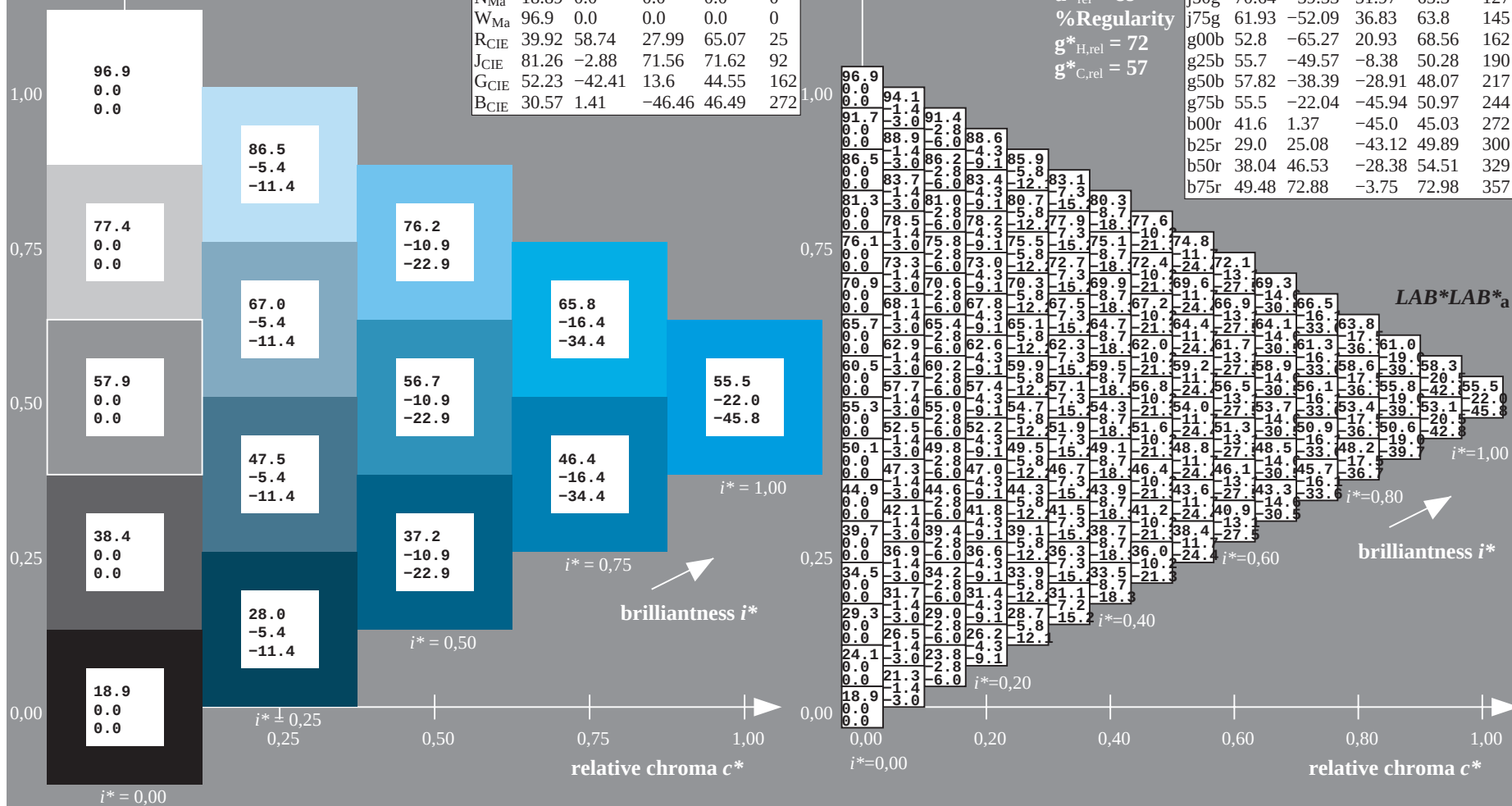
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

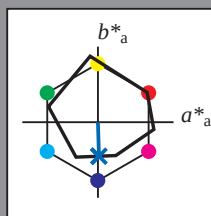
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 1 -44

$LAB^*LCH^*_{Ma}$: 42 45 272

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

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

triangle lightness t^*

%Gamut

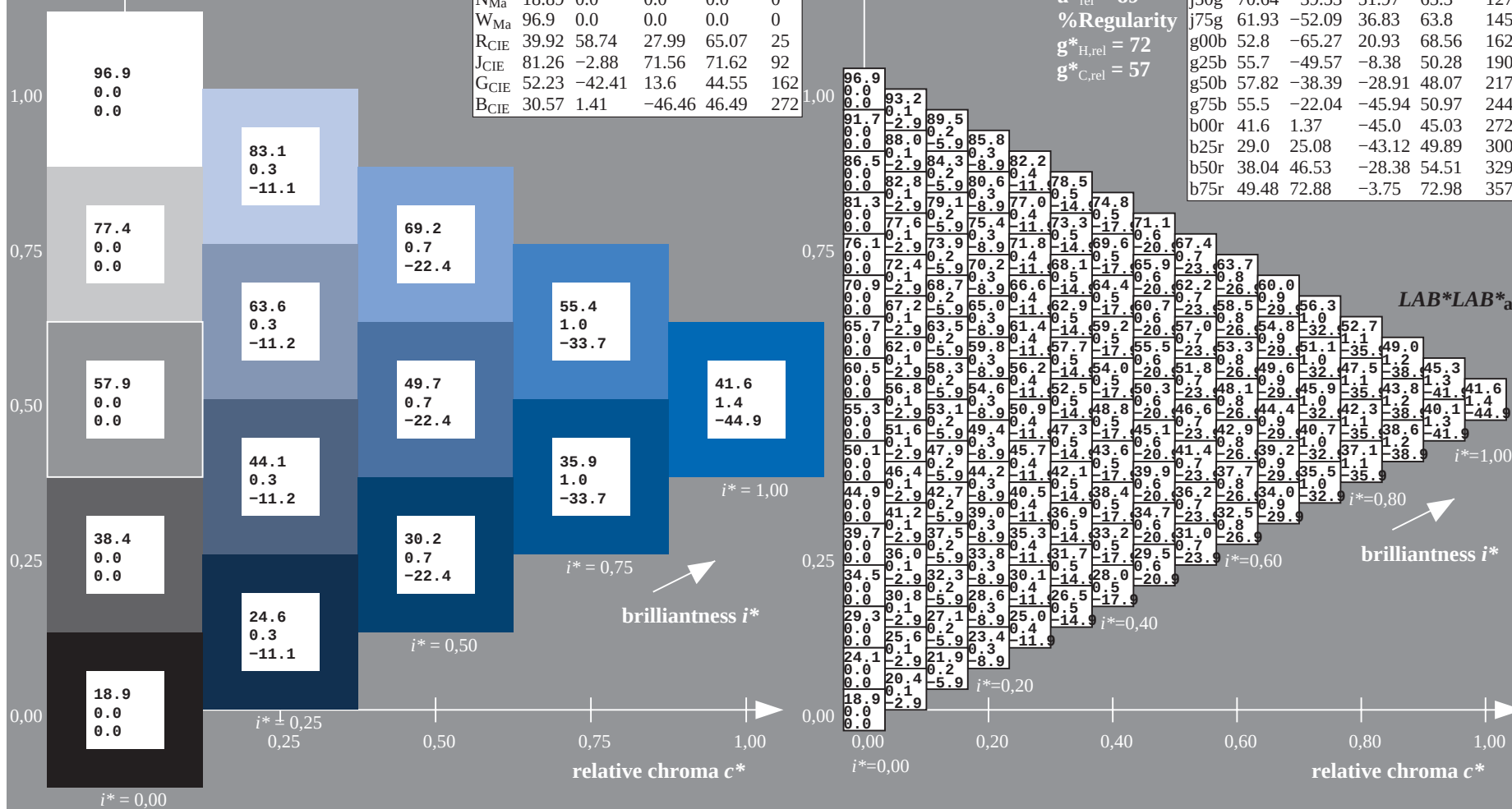
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

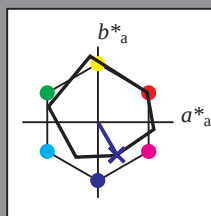
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 25 -42

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

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

$lab^*olv^*_{Ma}$: 0.03 0.0 1.0

triangle lightness t^*

%Gamut

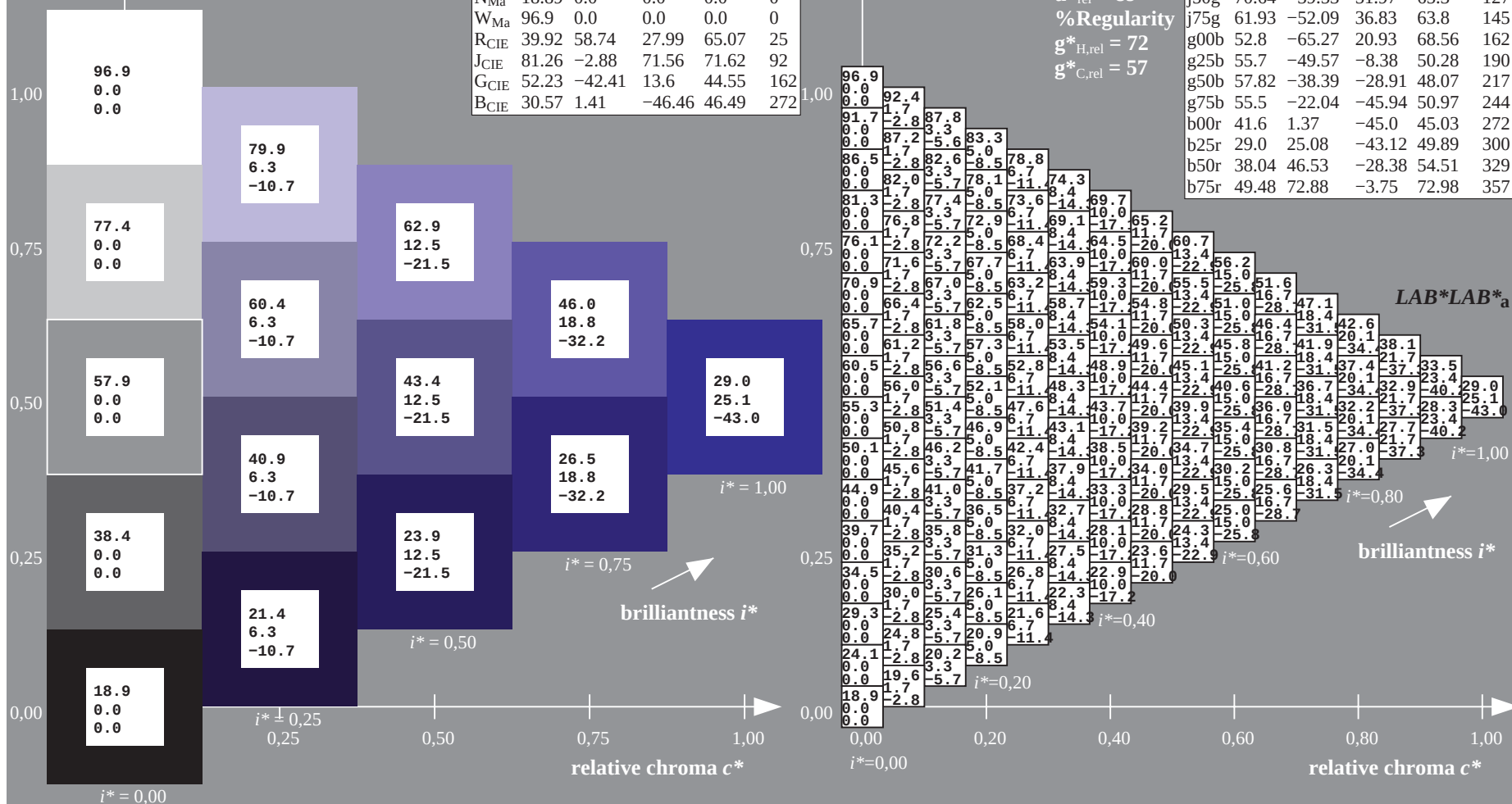
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

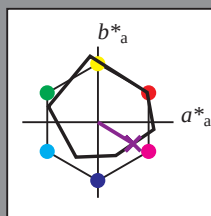
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 47 -27

$LAB^*LCH^*_{Ma}$: 38 55 329

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

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

triangle lightness t^*

%Gamut

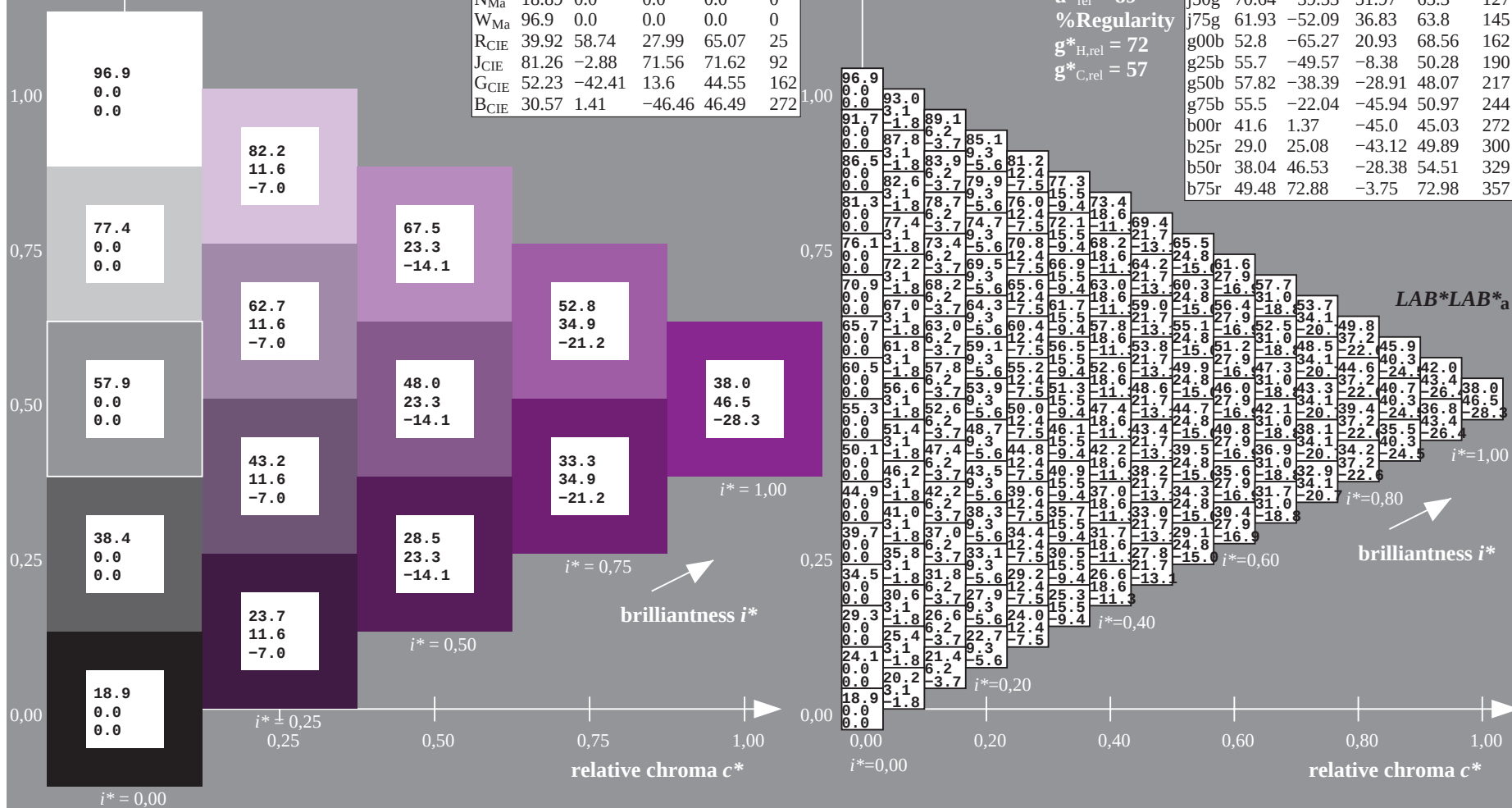
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

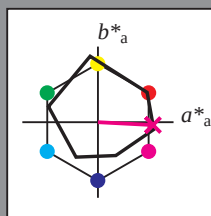
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 73 -3

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

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.88

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

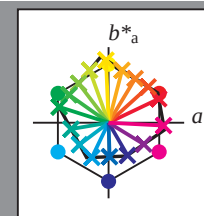
$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

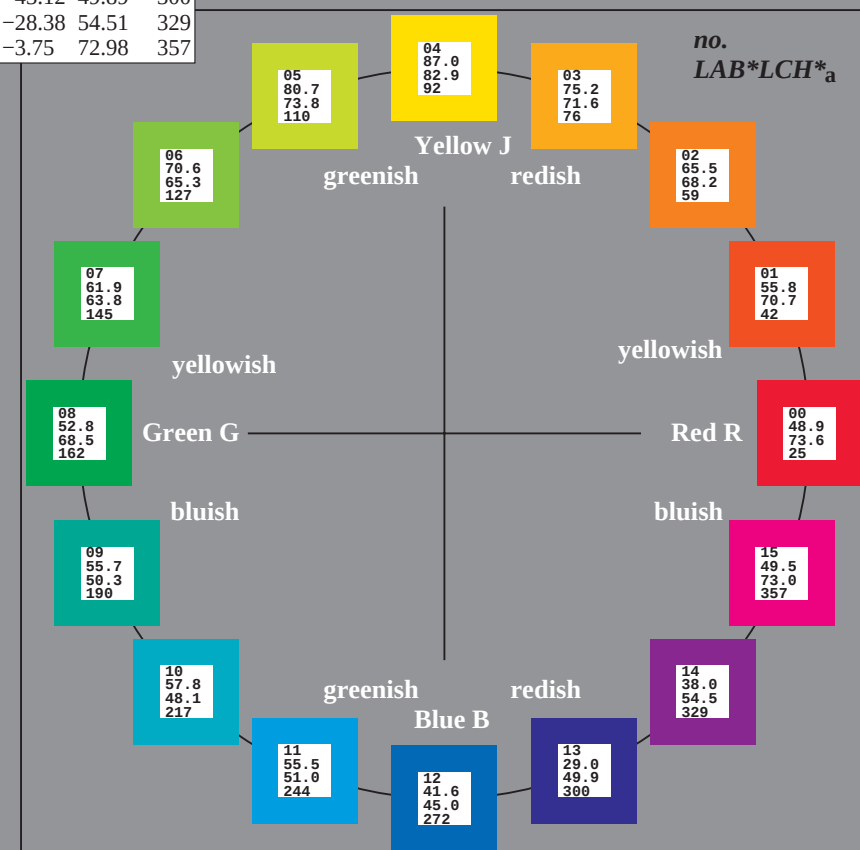
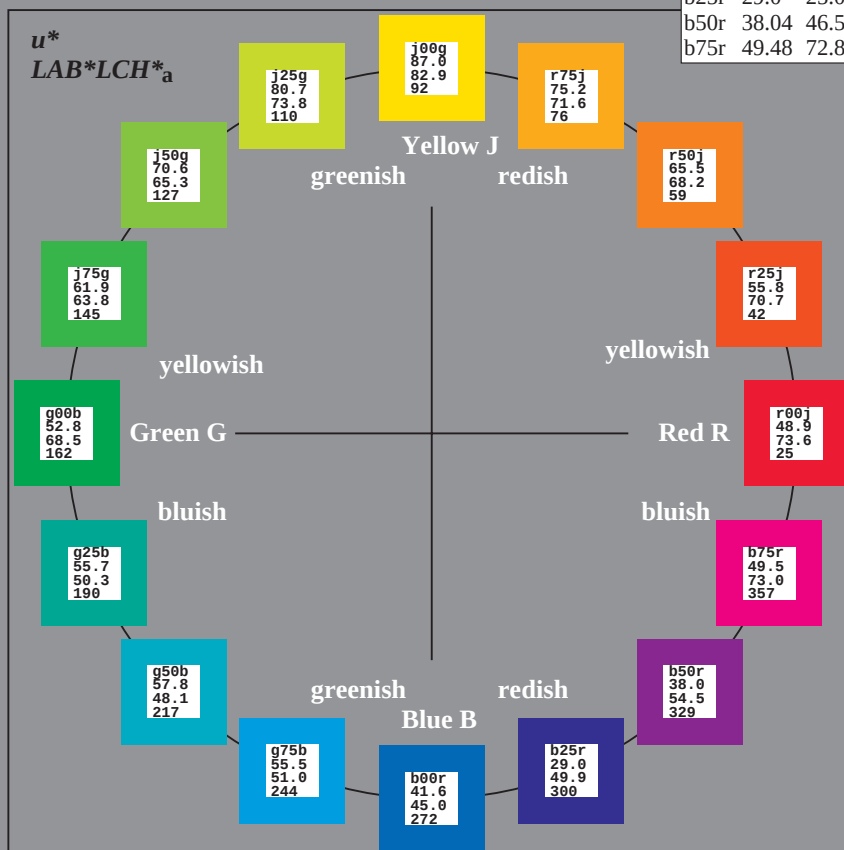
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
*u** = 16 hues *r00j*, *r25j*, ..., *b75r*
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

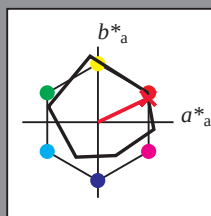
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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 0.16

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

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

$i^* = 1.00$

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

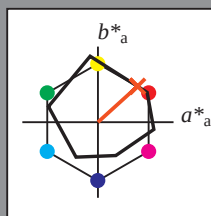
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

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

$i^* = 1.00$

brilliantness i^*

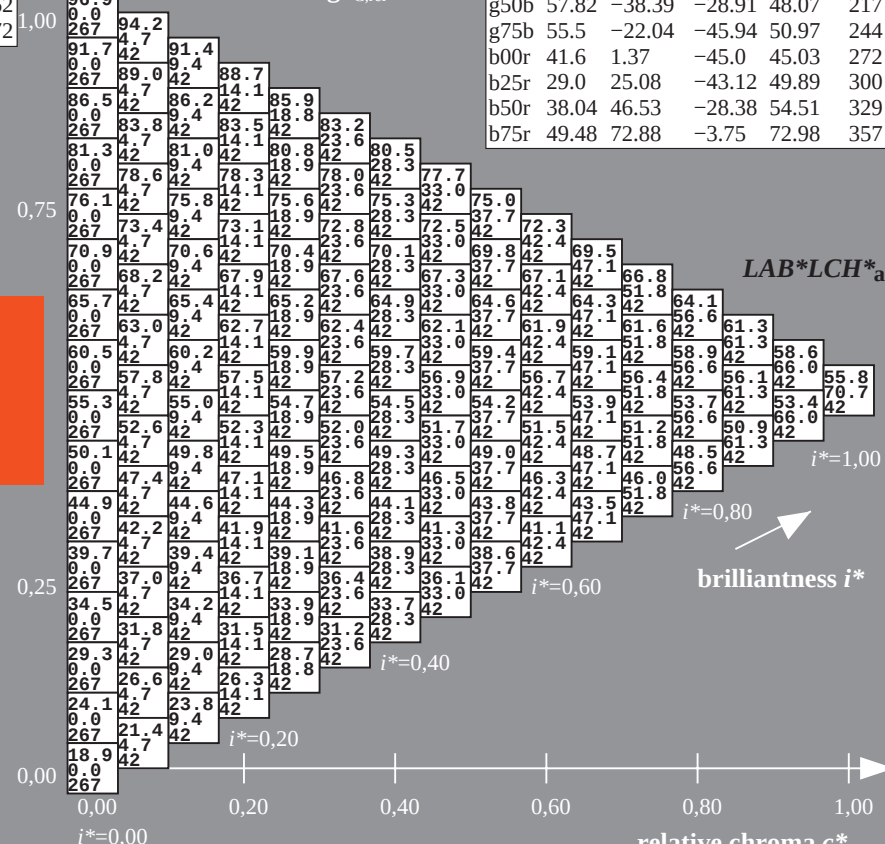
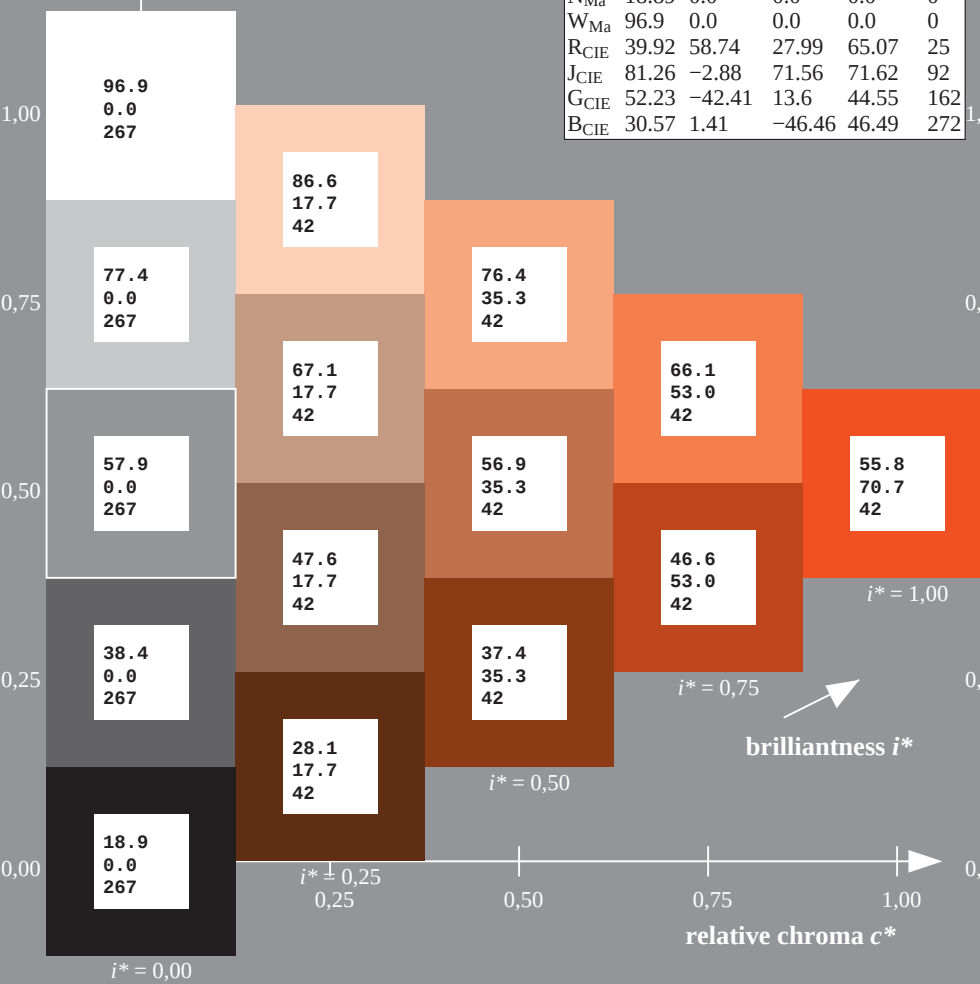
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

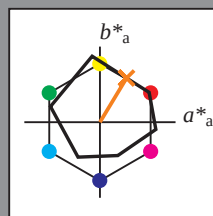
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 65 68 59

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

$lab^*olv^*_{Ma}$: 1.0 0.4 0.0

triangle lightness t^*

%Gamut

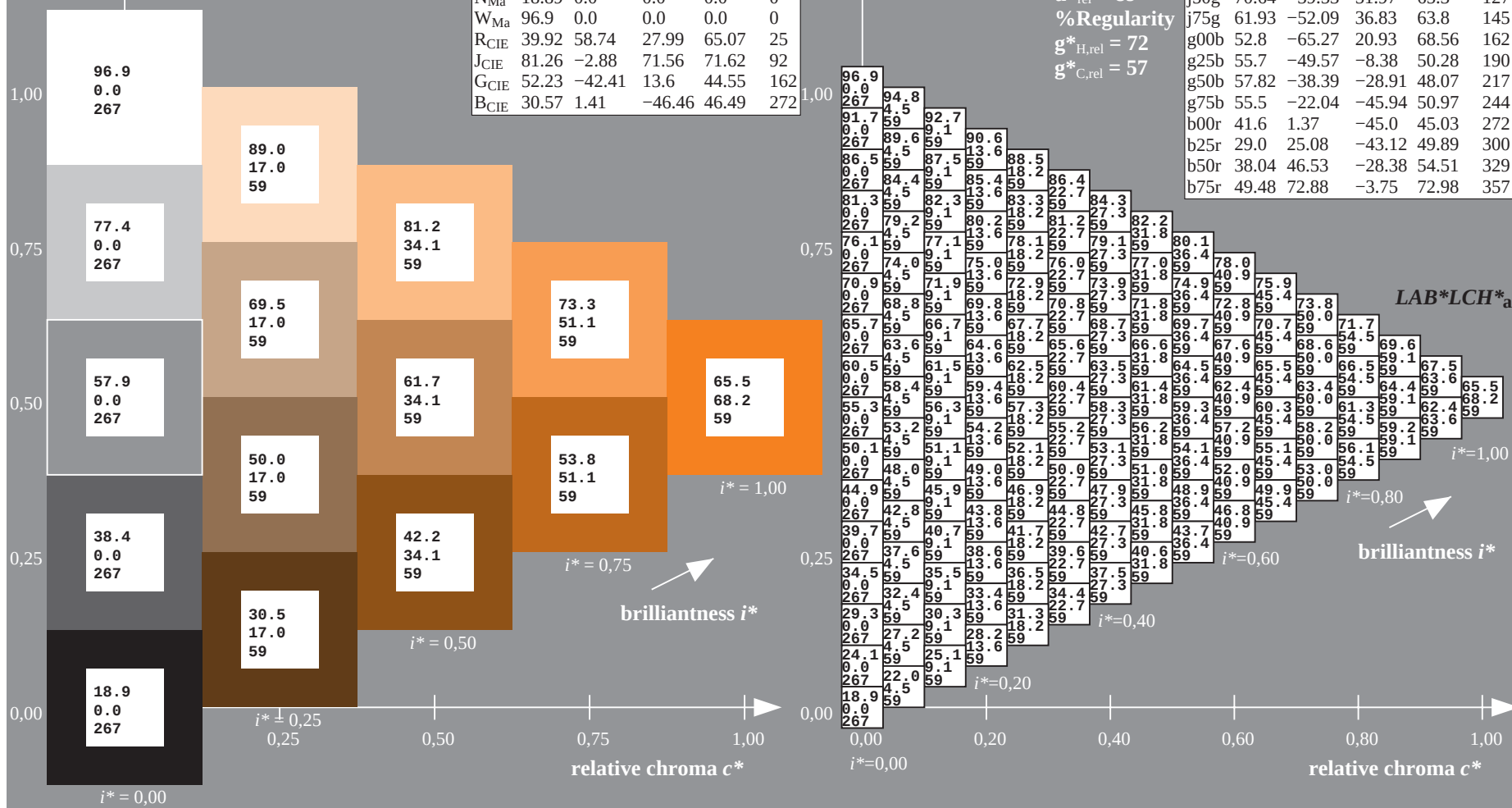
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

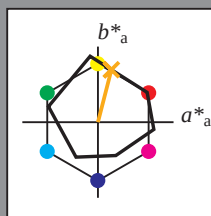
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 75 72 76

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

$lab^*olv^*_{Ma}$: 1.0 0.63 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

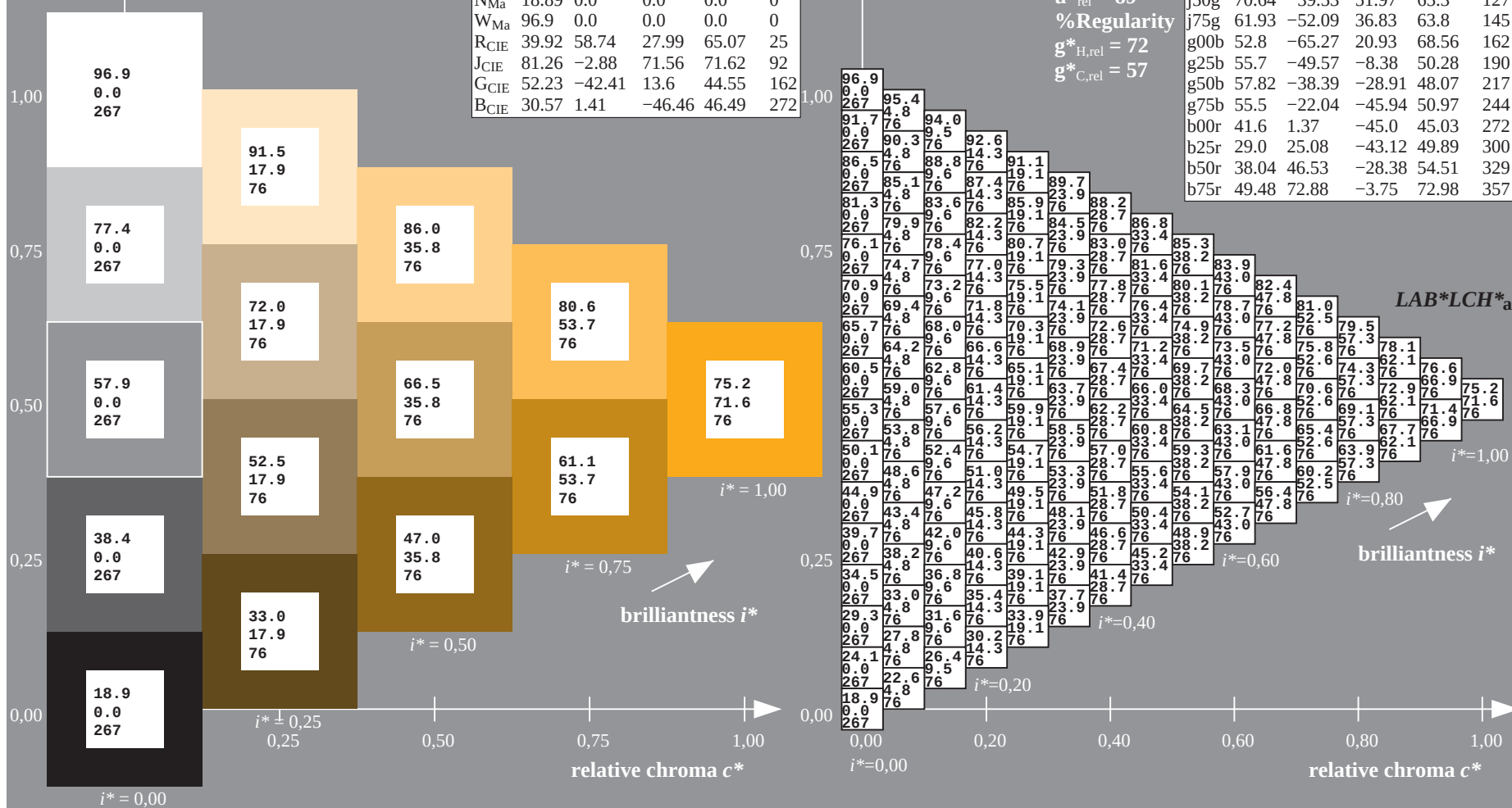
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

$u^* = r75j$
 $LAB^*LCH^*_{Ma}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

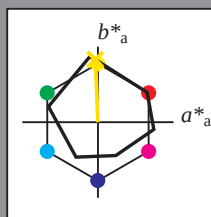
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -2 83

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

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

$lab^*olv^*_{Ma}$: 1.0 0.91 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

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

$i^* = 1.00$

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 $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

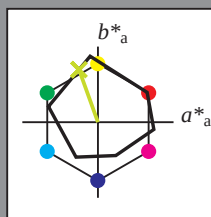
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 81 -24 69

$LAB^*LCH^*_{Ma}$: 81 74 110

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

$lab^*olv^*_{Ma}$: 0.73 1.0 0.0

triangle lightness t^*

%Gamut

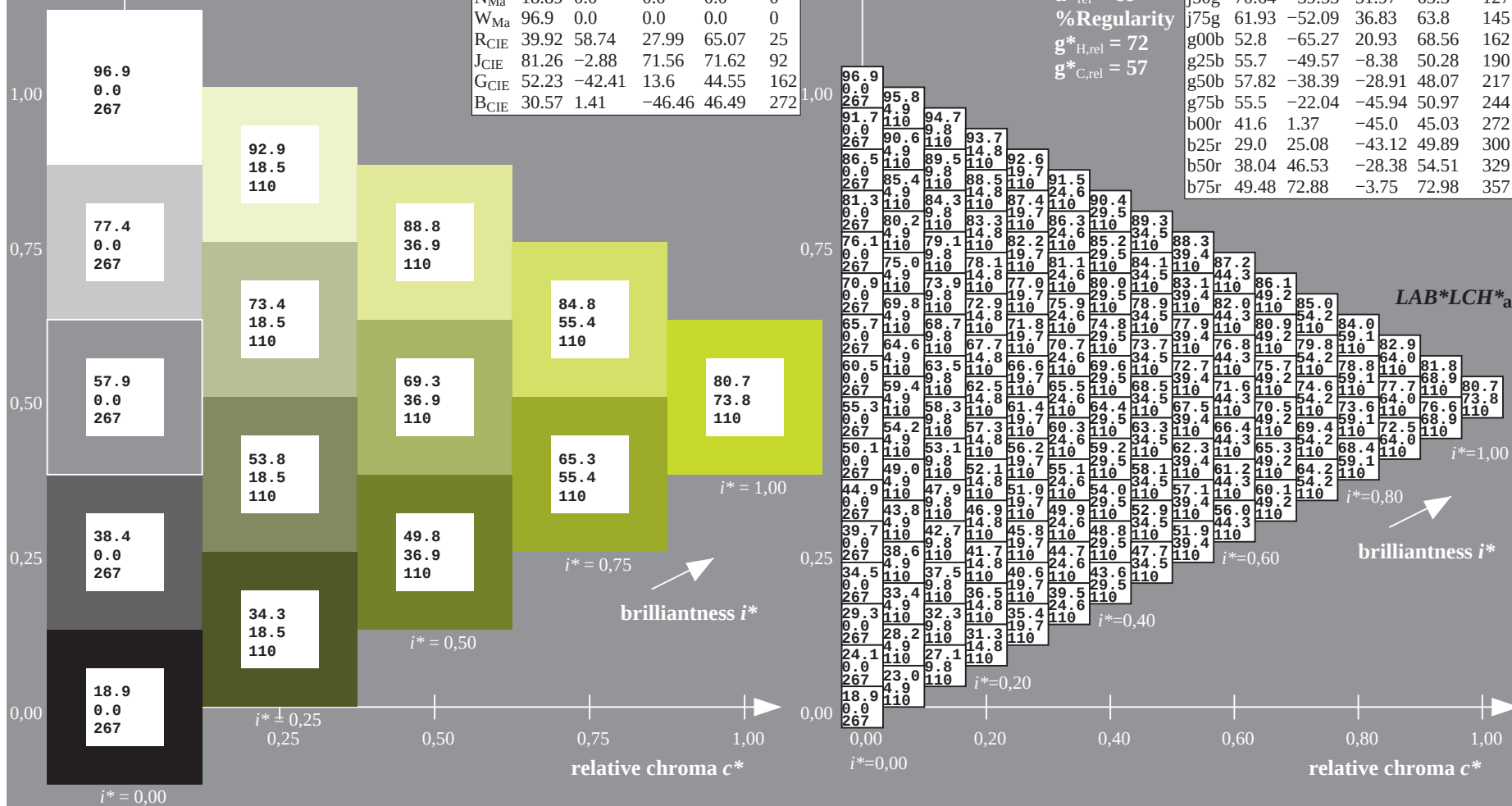
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

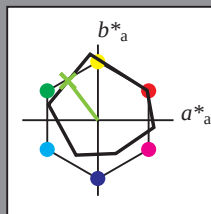
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 71 -39 52

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

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

$i^* = 1.00$

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 $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

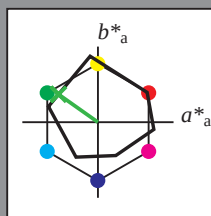
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 62 -51 37

$LAB^*LCH^*_{Ma}$: 62 64 145

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

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

triangle lightness t^*

%Gamut

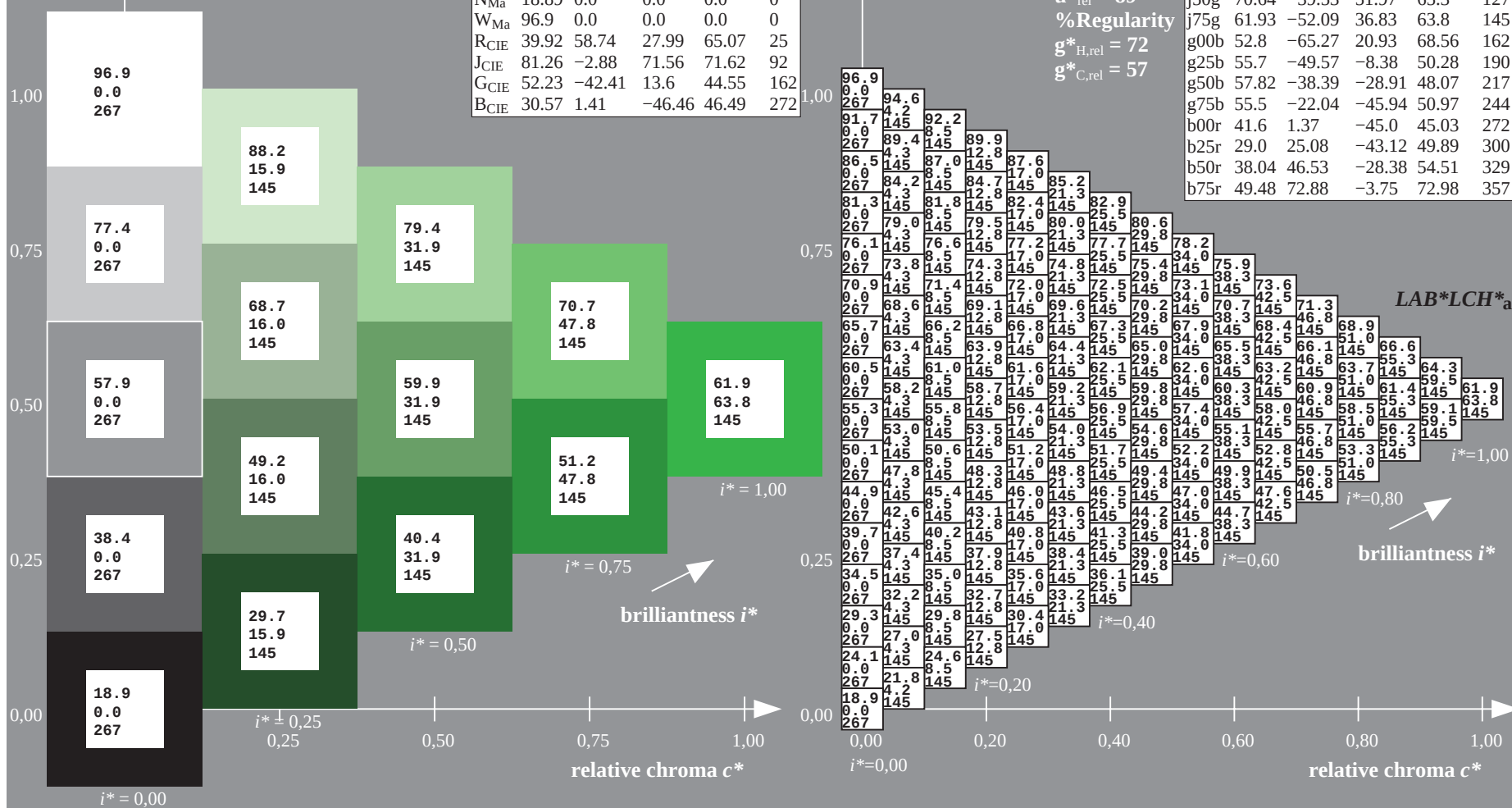
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

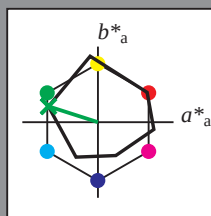
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -64 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

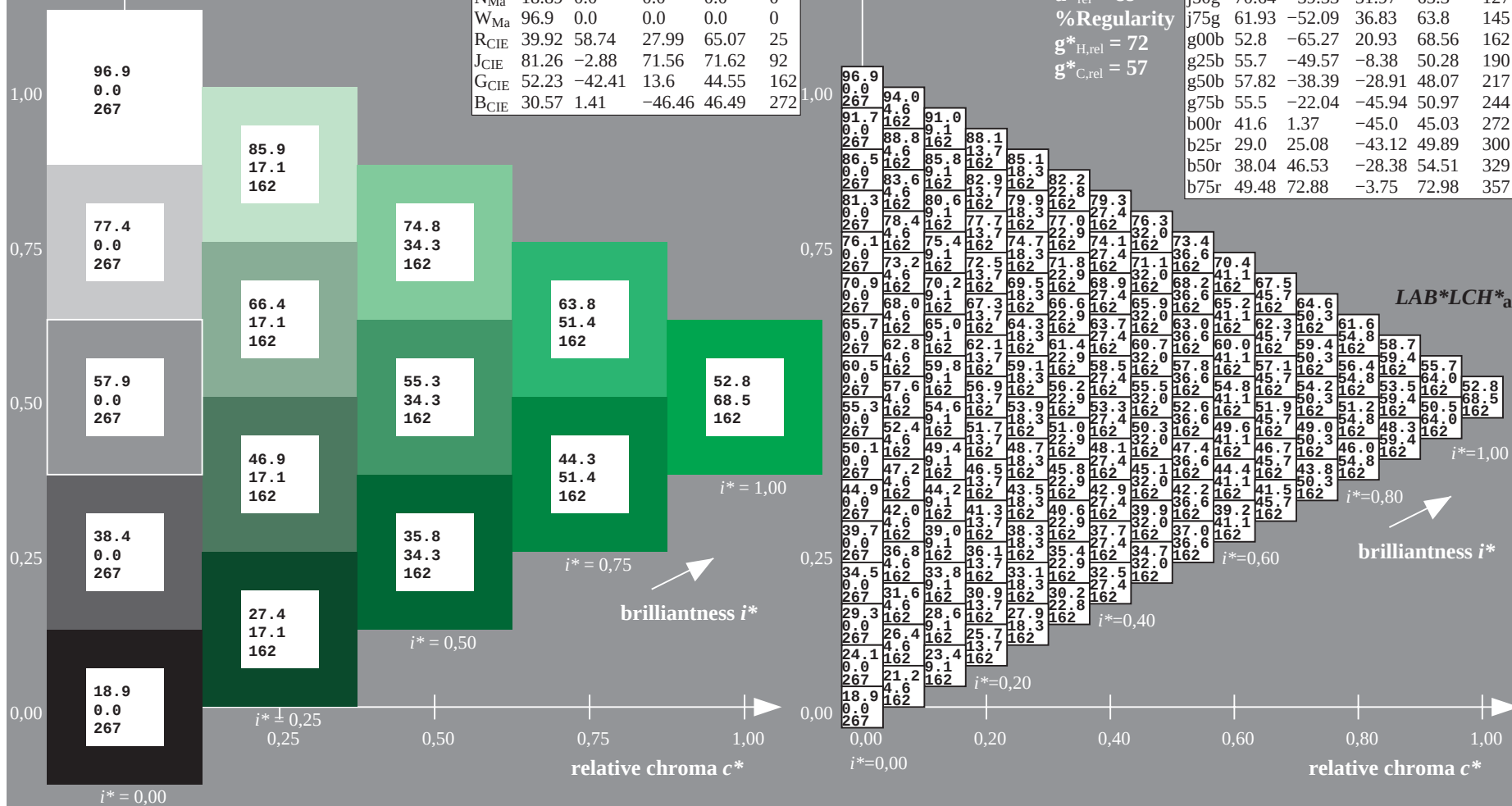
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

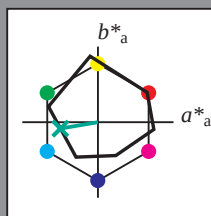
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -49 -7

$LAB^*LCH^*_{Ma}$: 56 50 190

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

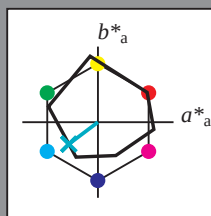
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 58 -37 -28

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 58 48 217

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 1.0 0.74

triangle lightness t^*

%Gamut

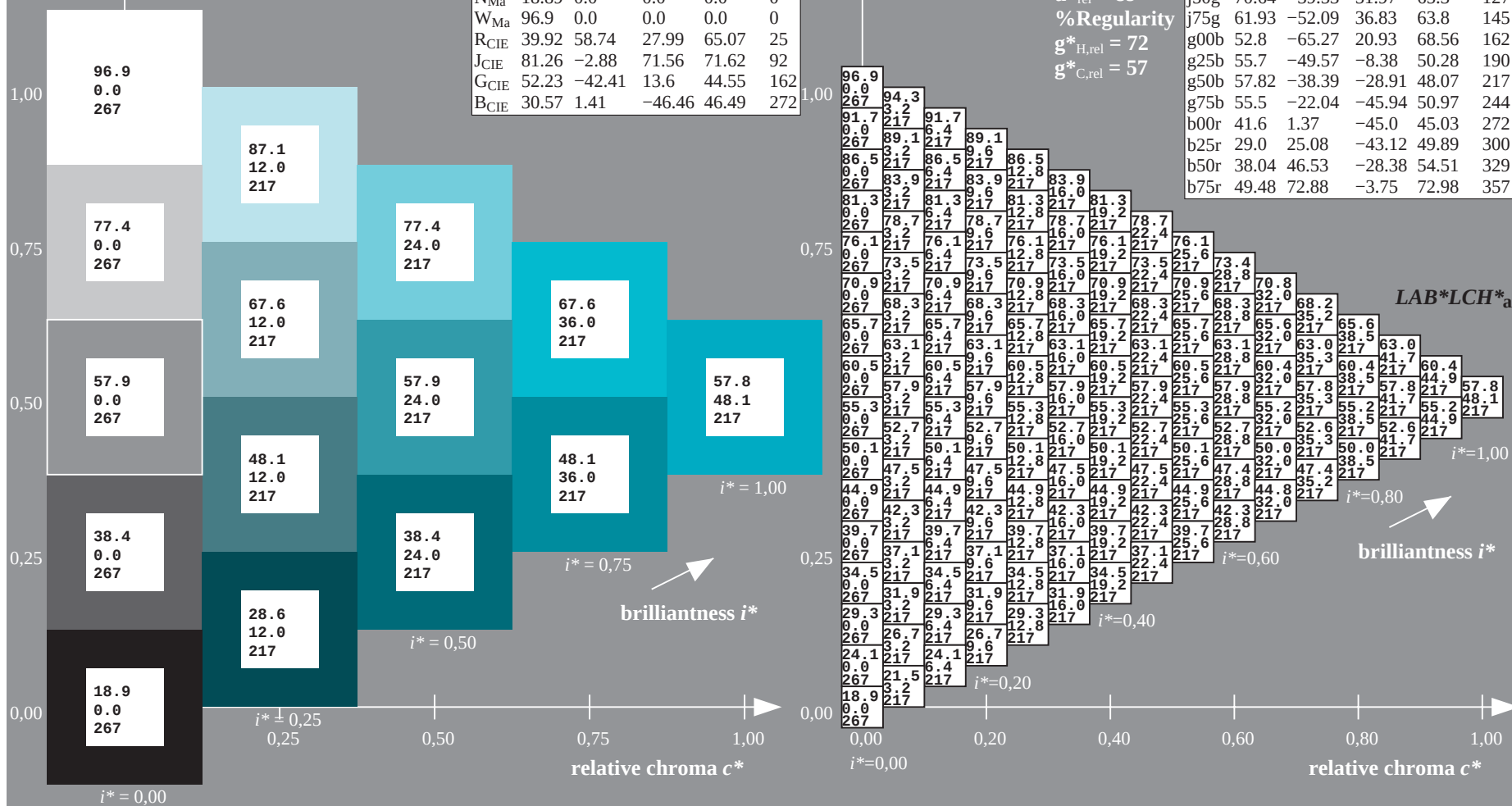
$u^*_{\text{rel}} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

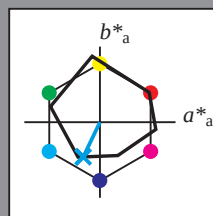
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 -21 -45

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

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

$lab^*olv^*_{Ma}$: 0.0 0.87 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

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

$i^* = 1.00$

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 $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

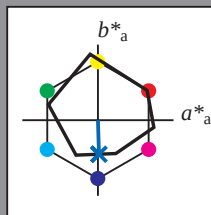
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 1 -44

$LAB^*LCH^*_{Ma}$: 42 45 272

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

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

triangle lightness t^*

%Gamut

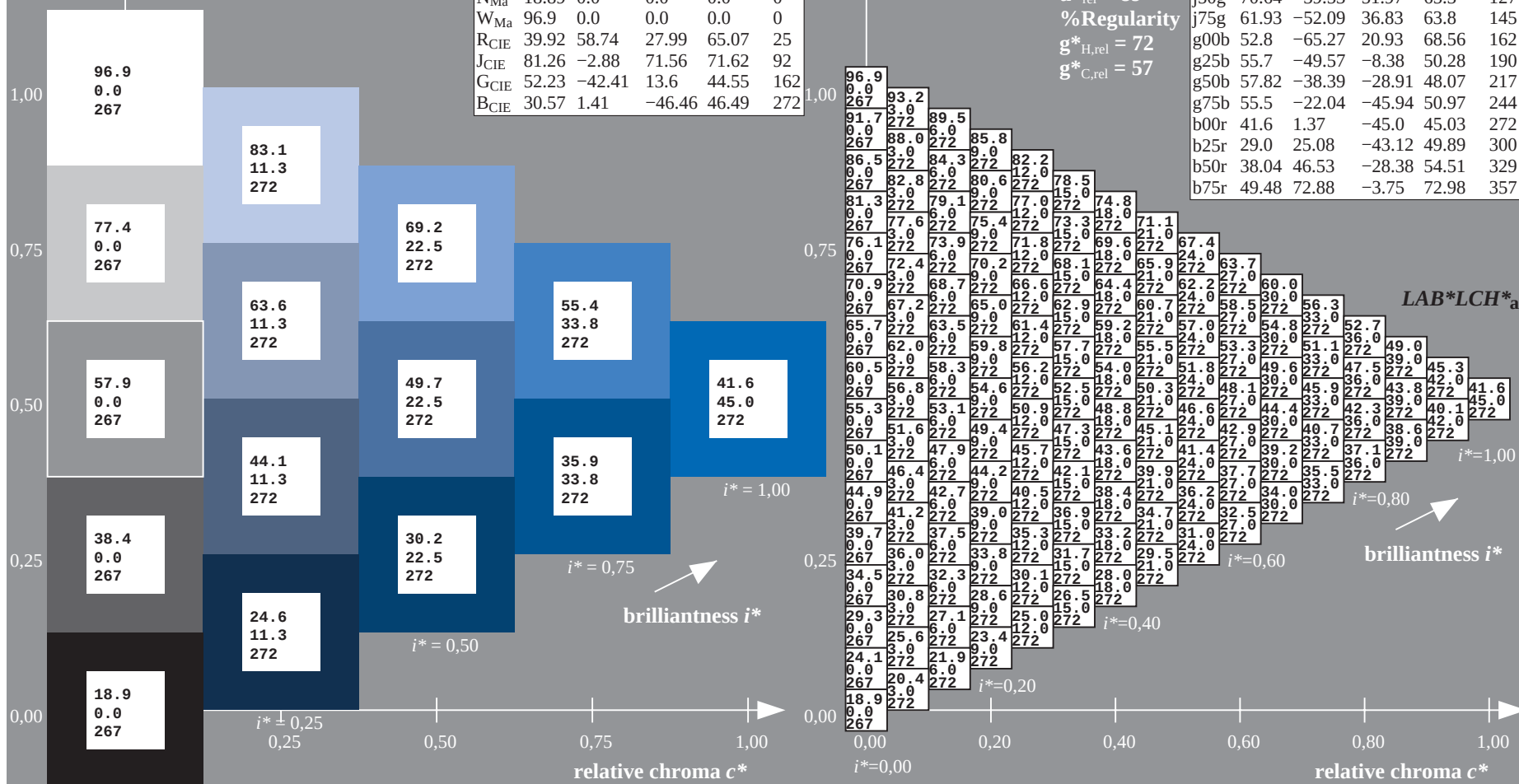
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

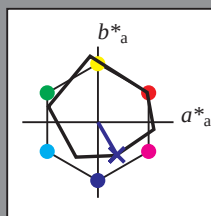
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 25 -42

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

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

$lab^*olv^*_{Ma}$: 0.03 0.0 1.0

triangle lightness t^*

%Gamut

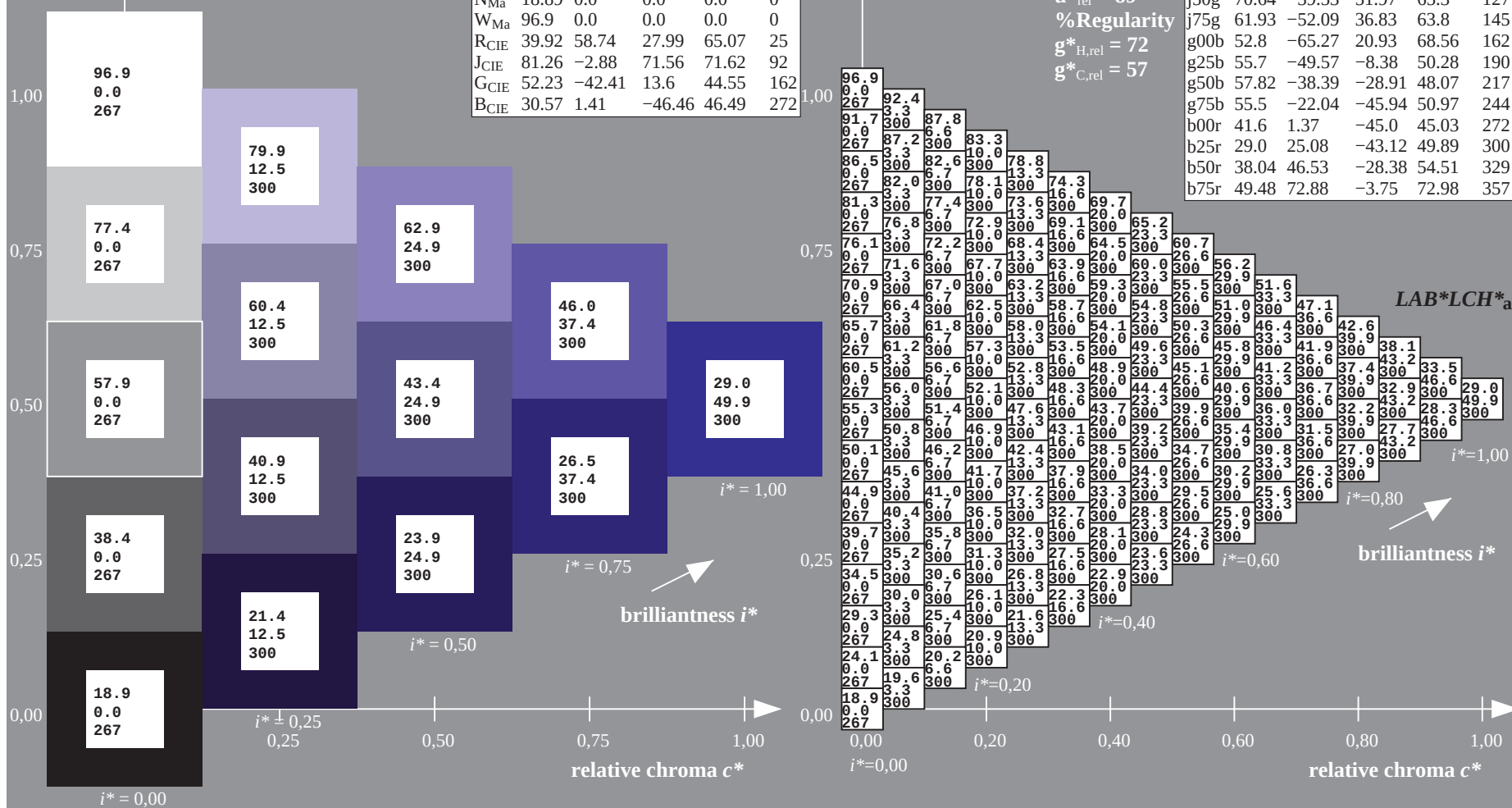
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

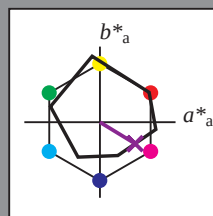
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 47 -27

$LAB^*LCH^*_{Ma}$: 38 55 329

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

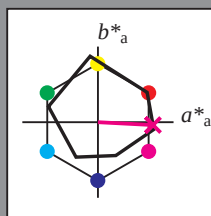
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 73 -3

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

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.88

triangle lightness t^*

%Gamut

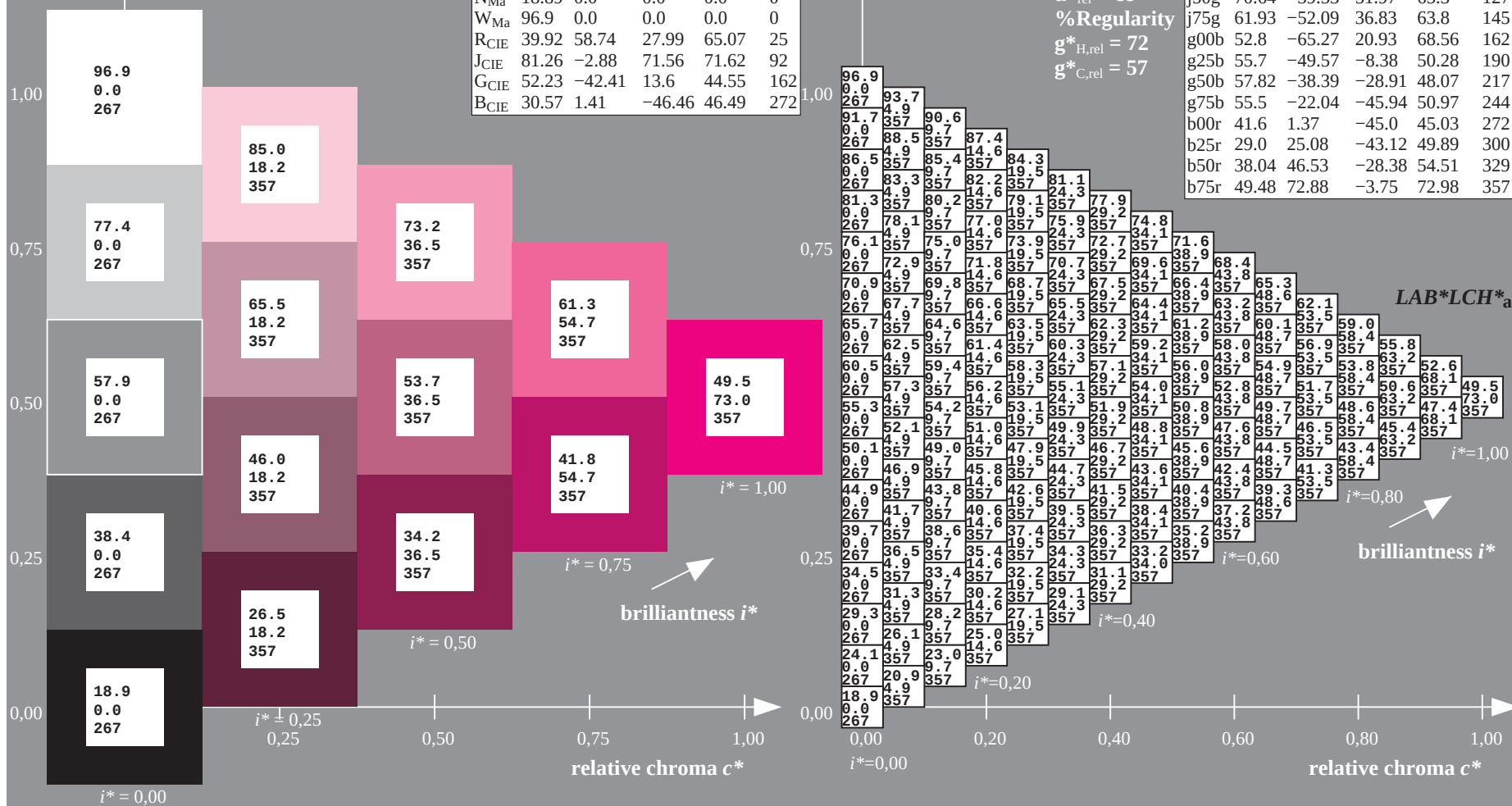
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

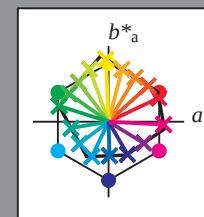


See for similar files: <http://www.ps.bam.de/De98/>; www.ps.bam.de/De98/10L/L98E00NP.PS/.PDF
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSpX=1

	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	
18.9	23.1	27.3	31.6	35.8	40.0	44.2	48.5	52.7	56.9	61.1	65.3	69.6	73.8	78.0	82.2	86.4	90.6	94.8	99.0	103.2	107.4	111.6	115.8	120.0	124.2	128.4	132.6	136.8	141.0	145.2	149.4	153.6	157.8	162.0	166.2	170.4	174.6	178.8	183.0
0	8.6	17.2	25.7	34.3	42.9	51.5	60.1	68.6	77.2	85.8	94.4	103.0	111.6	120.2	128.8	137.4	146.0	154.6	163.2	171.8	180.4	189.0	197.6	206.2	214.8	223.4	232.0	240.6	249.2	257.8	266.4	275.0	283.6	292.2	300.8	309.4	318.0	326.6	335.2
26.7	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162
20.1	24.0	28.2	32.4	36.7	40.9	45.1	49.3	53.6	57.8	62.0	66.2	70.4	74.6	78.8	83.0	87.2	91.4	95.6	99.8	104.0	108.2	112.4	116.6	120.8	125.0	129.2	133.4	137.6	141.8	146.0	150.2	154.4	158.6	162.8	167.0	171.2	175.4	179.6	183.8
6.3	6.8	12.2	20.0	28.2	36.6	45.1	53.6	62.1	70.5	79.0	87.4	95.9	104.3	112.8	121.2	129.7	138.1	146.6	155.0	163.5	171.9	180.4	188.8	197.3	205.7	214.2	222.6	231.1	239.5	248.0	256.4	264.9	273.3	281.8	290.2	298.7	307.1	315.6	324.0
298	238	195	182	176	173	171	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169
21.3	25.2	29.1	33.3	37.5	41.7	46.0	50.2	54.4	58.6	62.8	67.0	71.2	75.4	79.6	83.8	88.0	92.2	96.4	100.6	104.8	109.0	113.2	117.4	121.6	125.8	130.0	134.2	138.4	142.6	146.8	151.0	155.2	159.4	163.6	167.8	172.0	176.2	180.4	184.6
12.5	11.3	13.6	17.8	24.4	32.0	40.0	48.2	56.4	64.6	72.8	81.0	89.2	97.4	105.6	113.8	122.0	130.2	138.4	146.6	154.8	163.0	171.2	179.4	187.6	195.8	204.0	212.2	220.4	228.6	236.8	245.0	253.2	261.4	269.6	277.8	286.0	294.2	302.4	310.6
298	267	238	210	195	187	182	178	176	173	170	167	164	161	158	155	152	149	146	143	140	137	134	131	128	125	122	119	116	113	110	107	104	101	98	95	92	89	86	83
22.5	26.4	30.3	34.2	38.4	42.6	46.8	51.0	55.2	59.4	63.6	67.8	72.0	76.2	80.4	84.6	88.8	93.0	97.2	101.4	105.6	109.8	114.0	118.2	122.4	126.6	130.8	135.0	139.2	143.4	147.6	151.8	156.0	160.2	164.4	168.6	172.8	177.0	181.2	185.4
18.8	17.0	17.6	20.5	24.1	29.8	36.7	44.1	51.9	59.5	67.1	74.7	82.3	89.9	97.5	105.1	112.7	120.3	127.9	135.5	143.1	150.7	158.3	165.9	173.5	181.1	188.7	196.3	203.9	211.5	219.1	226.7	234.3	241.9	249.5	257.1	264.7	272.3	279.9	287.5
298	278	225	238	210	195	185	181	179	178	177	176	175	174	173	172	171	170	169	168	167	166	165	164	163	162	161	160	159	158	157	156	155	154	153	152	151	150	149	148
23.6	27.5	31.4	35.4	39.3	43.3	47.2	51.1	55.0	58.9	62.8	66.7	70.6	74.5	78.4	82.3	86.2	90.1	94.0	97.9	101.8	105.7	109.6	113.5	117.4	121.3	125.2	129.1	133.0	136.9	140.8	144.7	148.6	152.5	156.4	160.3	164.2	168.1	172.0	175.9
25.0	22.9	22.6	24.2	27.3	30.6	35.7	41.9	48.9	56.3	64.0	71.9	79.8	87.7	95.6	103.5	111.4	119.3	127.2	135.1	143.0	150.9	158.8	166.7	174.6	182.5	190.4	198.3	206.2	214.1	222.0	230.0	237.9	245.8	253.7	261.6	269.5	277.4	285.3	293.2
298	283	267	251	238	222	210	201	195	189	184	179	174	169	164	159	154	149	144	139	134	129	124	119	114	109	104	99	94	89	84	79	74	69	64	59	54	49	44	39
24.8	28.7	32.6	36.5	40.4	44.3	48.2	52.1	56.0	59.9	63.8	67.7	71.6	75.5	79.4	83.3	87.2	91.1	95.0	98.9	102.8	106.7	110.6	114.5	118.4	122.3	126.2	130.1	134.0	137.9	141.8	145.7	149.6	153.5	157.4	161.3	165.2	169.1	173.0	176.9
31.3	29.0	28.1	28.8	30.9	32.9	34.9	36.9	38.9	40.9	42.9	44.9	46.9	48.9	50.9	52.9	54.9	56.9	58.9	60.9	62.9	64.9	66.9	68.9	70.9	72.9	74.9	76.9	78.9	80.9	82.9	84.9	86.9	88.9	90.9	92.9	94.9	96.9	98.9	100.9
298	286	273	260	248	238	225	215	206	196	186	176	166	156	146	136	126	116	106	96	86	76	66	56	46	36	26	16	6	0	0	0	0	0	0	0	0	0	0	0
26.0	29.9	33.8	37.7	41.6	45.5	49.4	53.3	57.2	61.1	65.0	68.9	72.8	76.7	80.6	84.5	88.4	92.3	96.2	100.1	104.0	107.9	111.8	115.7	119.6	123.5	127.4	131.3	135.2	139.1	143.0	146.9	150.8	154.7	158.6	162.5	166.4	170.3	174.2	178.1
37.5	35.2	33.9	33.9	35.2	37.6	40.0	42.9	45.8	48.7	51.6	54.5	57.4	60.3	63.2	66.1	69.0	71.9	74.8	77.7	80.6	83.5	86.4	89.3	92.2	95.1	98.0	100.9	103.8	106.7	109.6	112.5	115.4	118.3	121.2	124.1	127.0	129.9	132.8	
298	288	278	267	256	246	238	227	218	210	202	194	186	178	170	162	154	146	138	130	122	114	106	98	90	82	74	66	58	50	42	34	26	18	10	2	0	0	0	0
27.2	31.1	35.0	38.9	42.8	46.7	50.6	54.5	58.4	62.3	66.2	70.1	74.0	77.9	81.8	85.7	89.6	93.5	97.4	101.3	105.2	109.1	113.0	116.9	120.8	124.7	128.6	132.5	136.4	140.3	144.2	148.1	152.0	155.9	159.8	163.7	167.6	171.5	175.4	179.3
43.8	41.3	39.8	39.8	40.4	41.7	44.4	47.7	50.6	53.4	56.2	59.0	61.8	64.6	67.4	70.2	73.0	75.8	78.6	81.4	84.2	87.0	89.8	92.6	95.4	98.2	101.0	103.8	106.6	109.4	112.2	115.0	117.8	120.6	123.4	126.2	129.0	131.8	134.6	137.4
298	290	281	271	262	253	245	238	228	218	208	198	188	178	168	158	148	138	128	118	108	98	88	78	68	58	48	38	28	18	8	0	0	0	0	0	0	0	0	0
28.4	32.3	36.2	40.1	44.0	47.9	51.8	55.7	59.6	63.5	67.4	71.3	75.2	79.1	83.0	86.9	90.8	94.7	98.6	102.5	106.4	110.3	114.2	118.1	122.0	125.9	129.8	133.7	137.6	141.5	145.4	149.3	153.2	157.1	161.0	164.9	168.8	172.7	176.6	
298	291	283	275	267	258	251	244	238	230	223	216	210	203	196	190	183	176	170	163	156	150	143	136	130	123	116	110	103	96	90	83	76	70	63	56	50	43	36	30
30.1	35.4	40.6	45.9	50.1	54.4	58.6	62.8	67.0	71.2	75.4	79.6	83.8	88.0	92.2	96.4	100.6	104.8	109.0	113.2	117.4	121.6	125.8	130.0	134.2	138.4	142.6	146.8	151.0	155.2	159.4	163.6	167.8	172.0	176.2	180.4	184.6	188.8	193.0	
28.5	25.6	27.3	32.9	37.3	42.9	48.5	54.1	59.7	65.3	70.9	76.5	82.1	87.7	93.3	98.9	104.5	110.1	115.7	121.3	126.9	132.5	138.1	143.7	149.3	154.9	160.5	166.1												

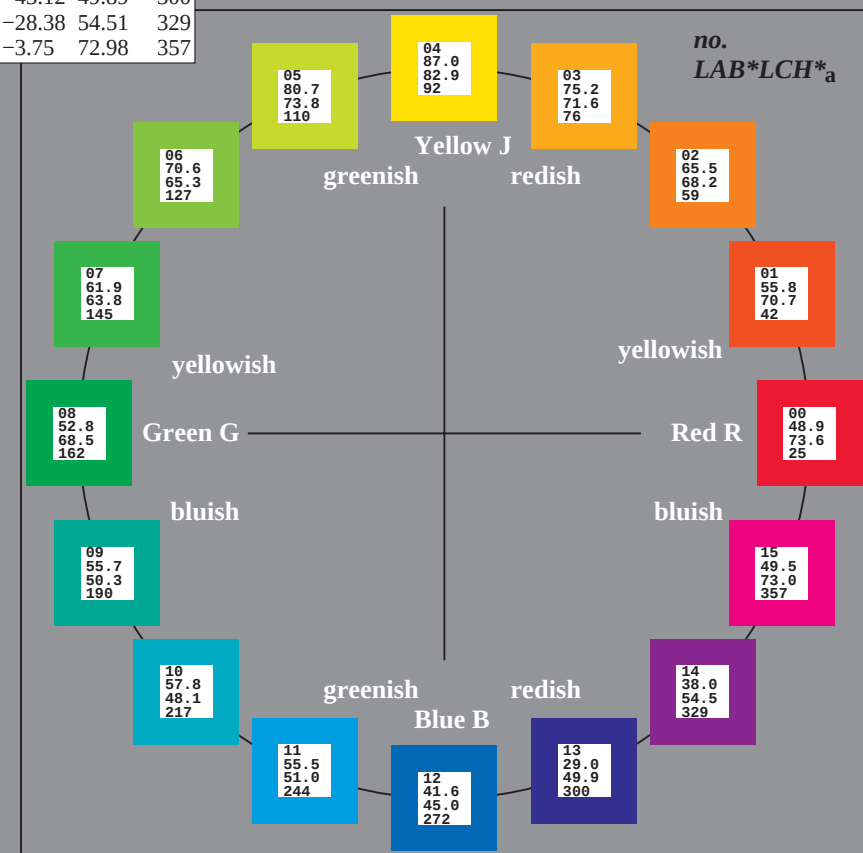
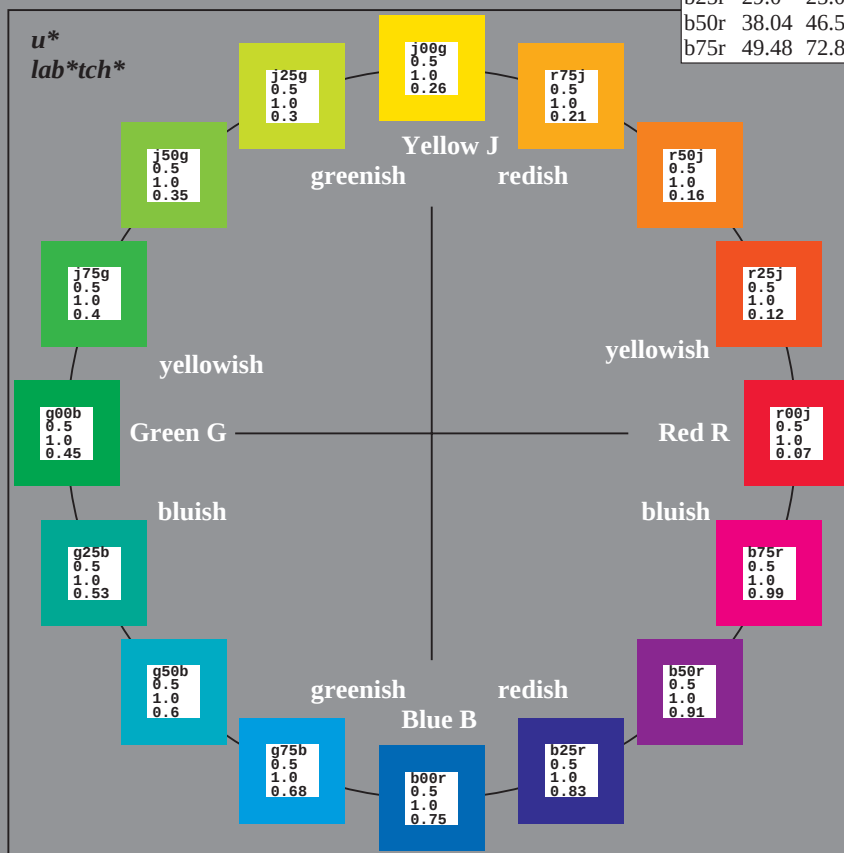
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
*u** = 16 hues *r00j*, *r25j*, ..., *b75r*
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

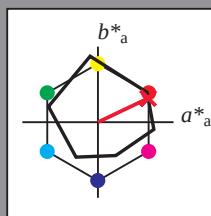
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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 0.16

triangle lightness t^*

%Gamut

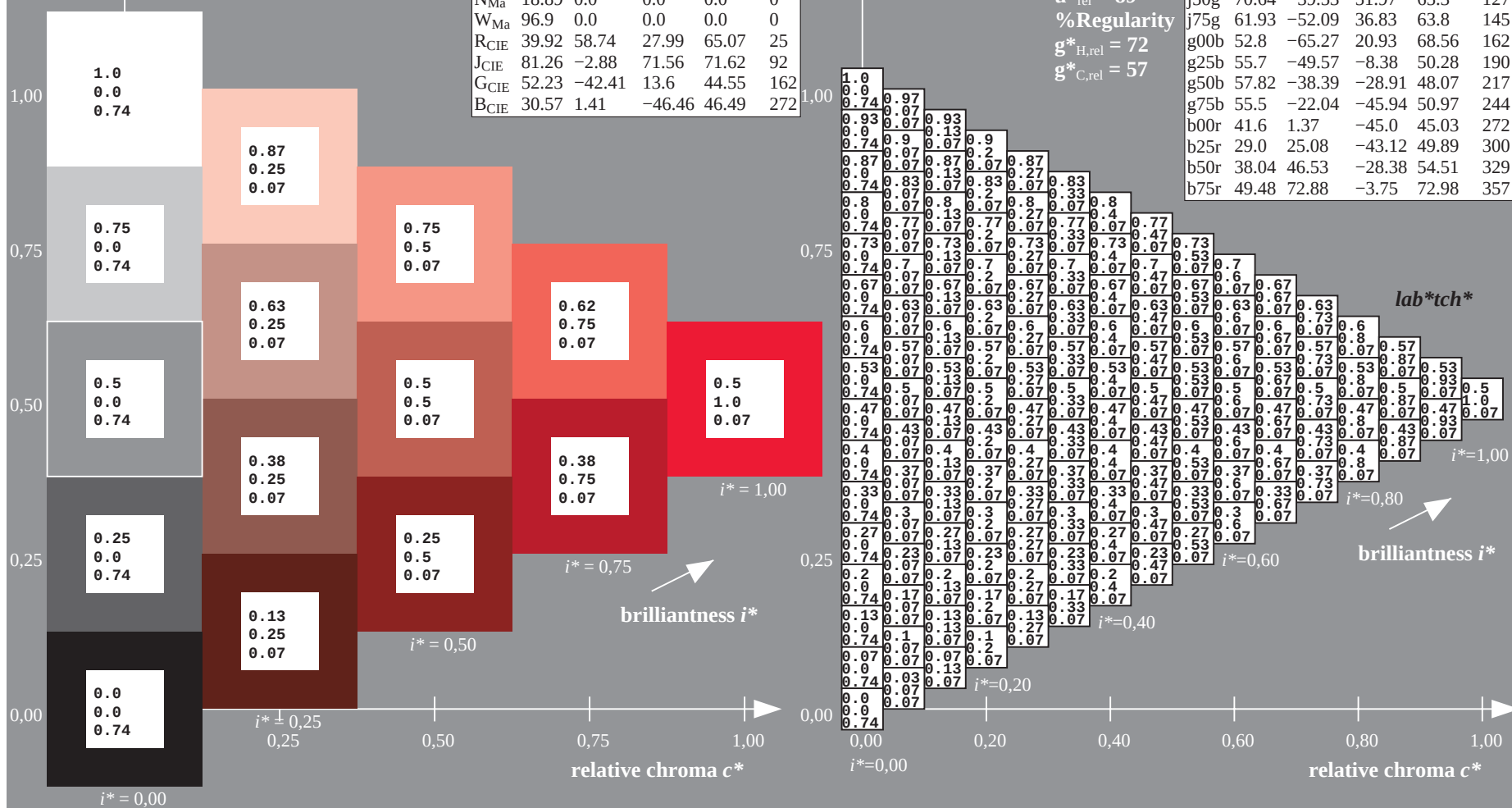
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

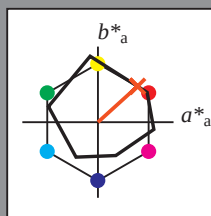
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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

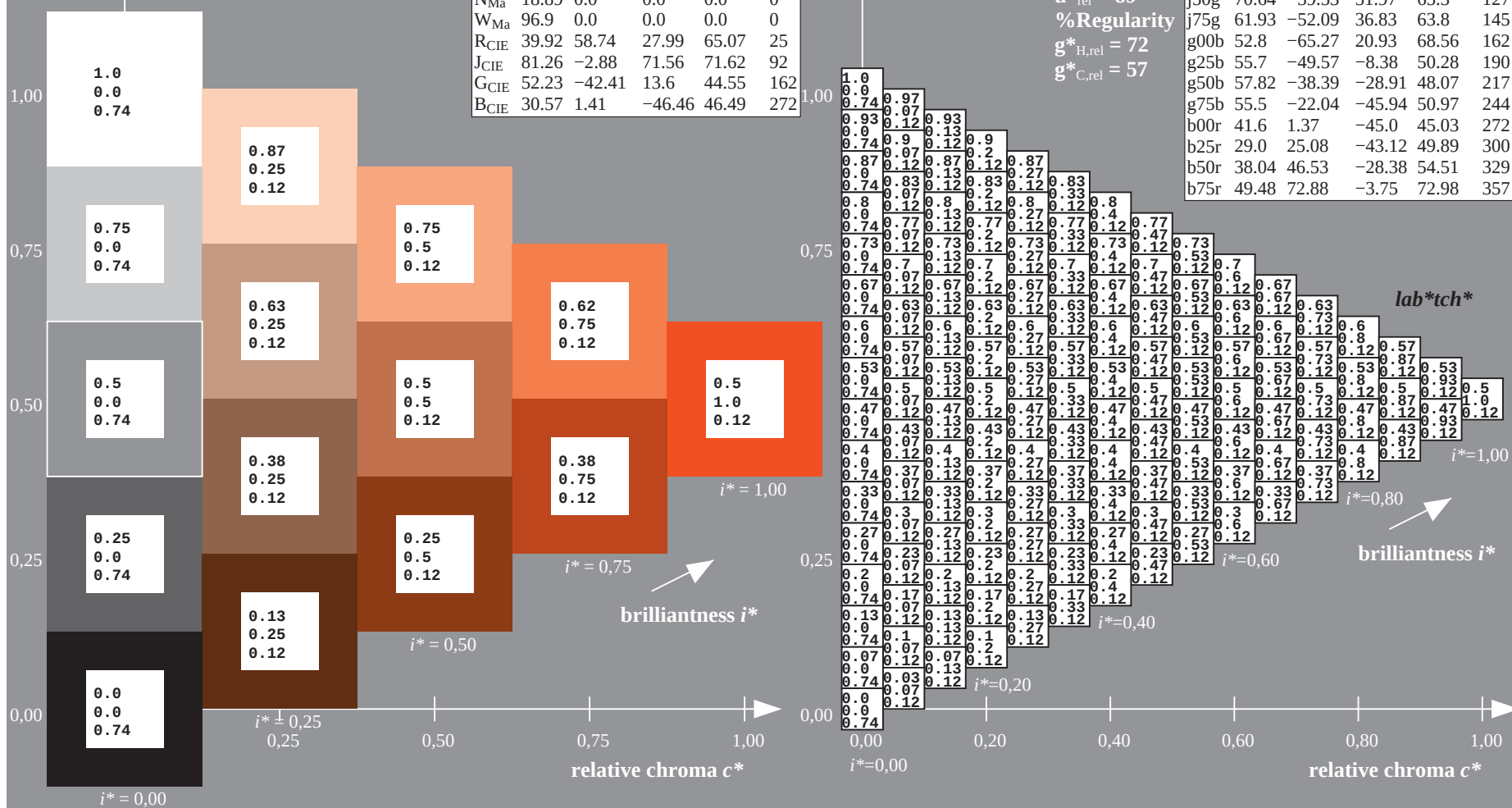
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

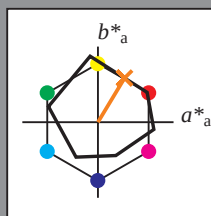
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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 59

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.4 0.0

triangle lightness t^*

%Gamut

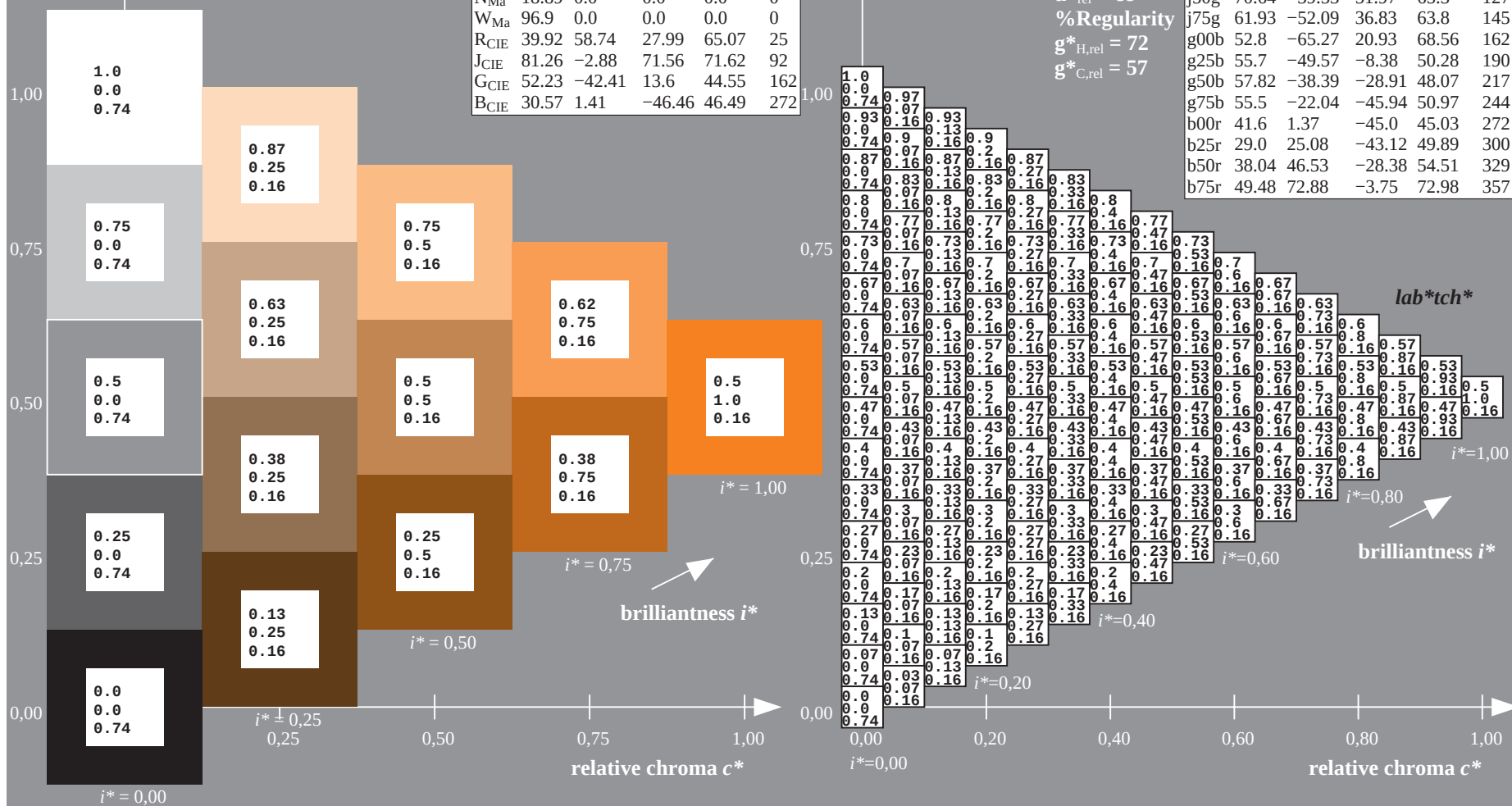
$u^*_{\text{rel}} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

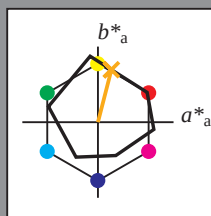
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 75 72 76

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

$lab^*olv^*_{Ma}$: 1.0 0.63 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	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 $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

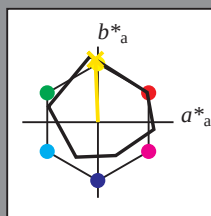
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -2 83

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

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

$lab^*olv^*_{Ma}$: 1.0 0.91 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

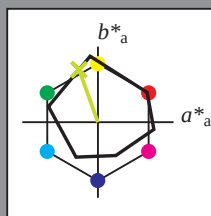
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 81 -24 69

$LAB^*LCH^*_{Ma}$: 81 74 110

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

$lab^*olv^*_{Ma}$: 0.73 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					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	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 $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

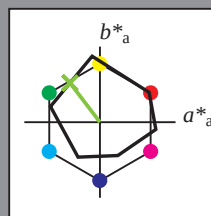
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 71 -39 52

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

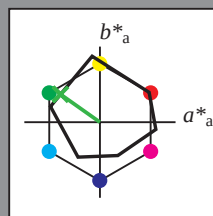
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 62 -51 37

$LAB^*LCH^*_{Ma}$: 62 64 145

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

$lab^*olv^*_{Ma}$: 0.24 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					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	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 $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

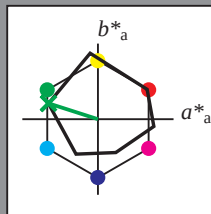
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -64 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

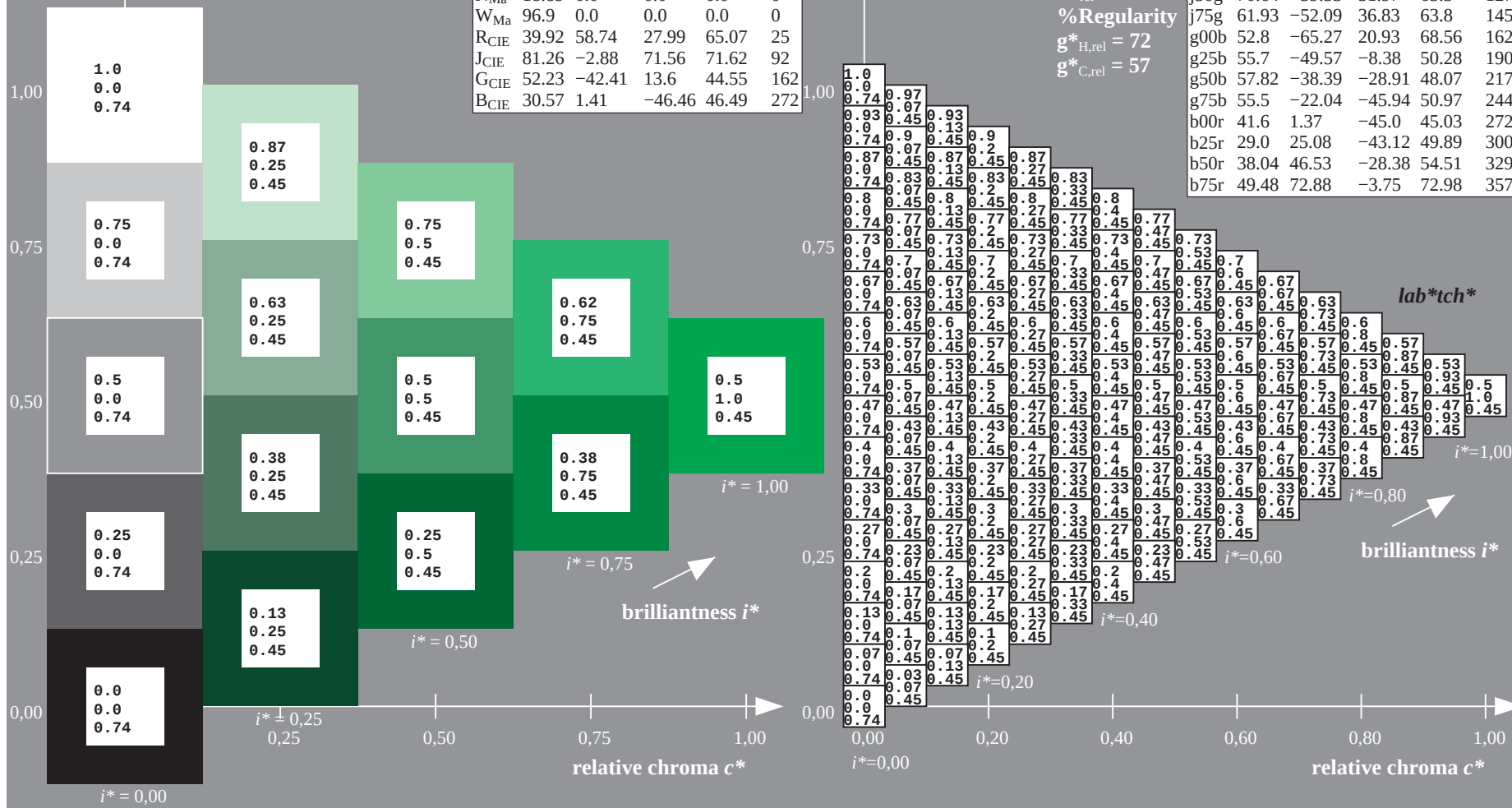
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

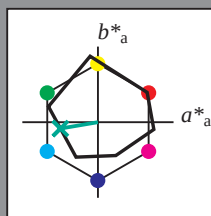
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -49 -7

$LAB^*LCH^*_{Ma}$: 56 50 190

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

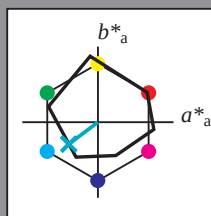
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 -37 -28

$LAB^*LCH^*_{Ma}$: 58 48 217

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.74

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

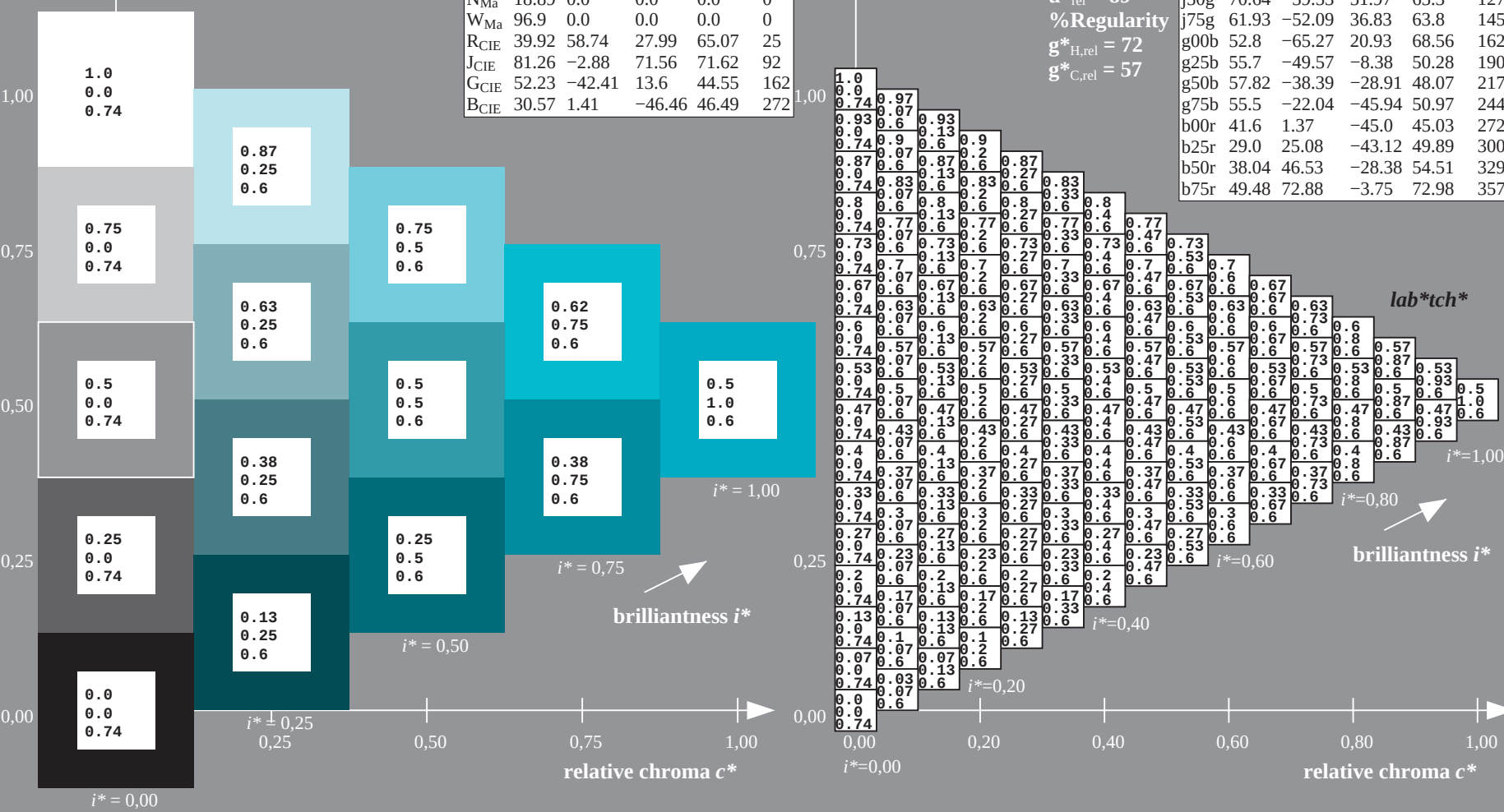
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

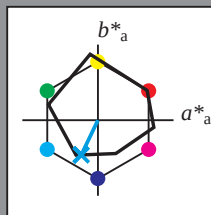
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 -21 -45

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

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

$lab^*olv^*_{Ma}$: 0.0 0.87 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

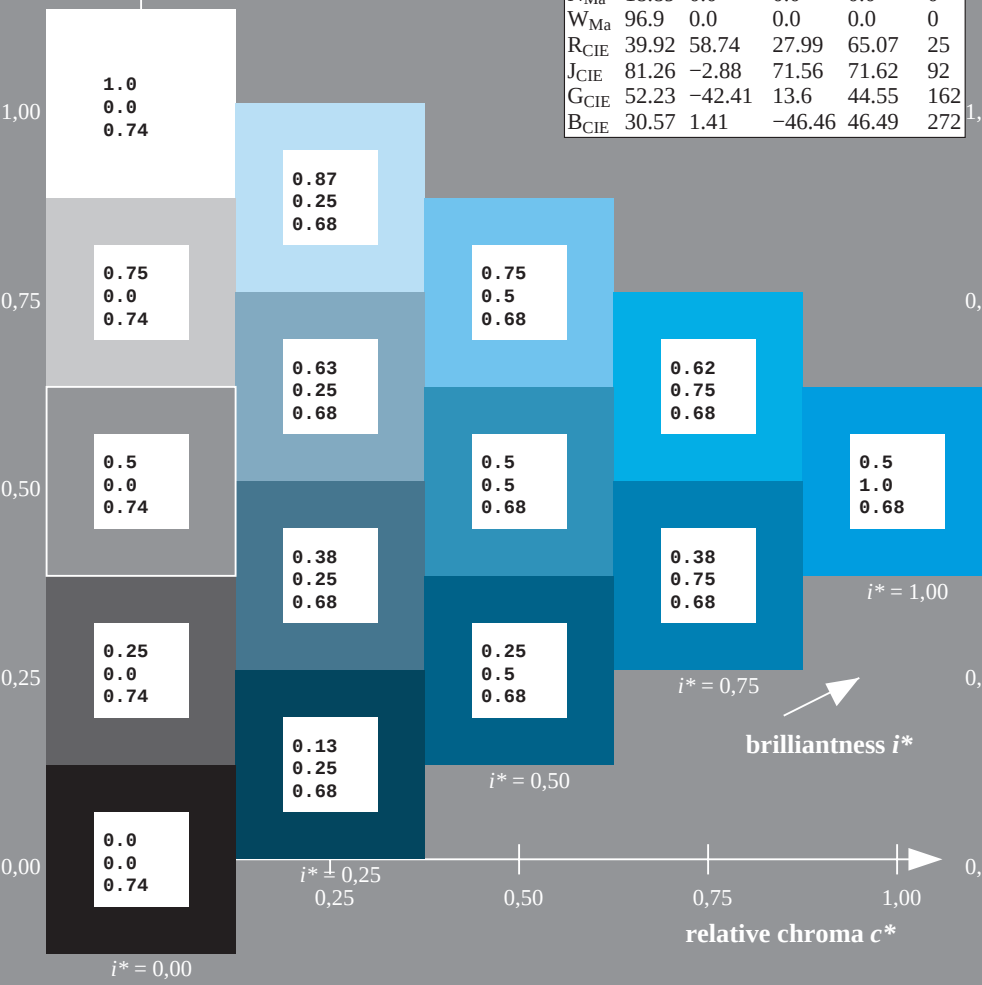
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

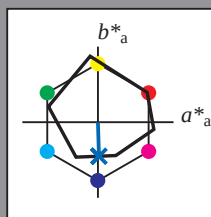
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 1 -44

$LAB^*LCH^*_{Ma}$: 42 45 272

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	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 $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

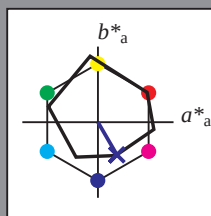
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 25 -42

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

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

$lab^*olv^*_{Ma}$: 0.03 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					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

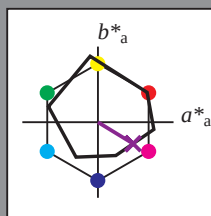
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 47 -27

$LAB^*LCH^*_{Ma}$: 38 55 329

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	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 $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

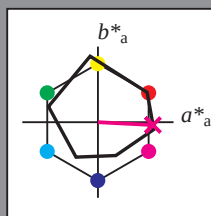
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 73 -3

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

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.88

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

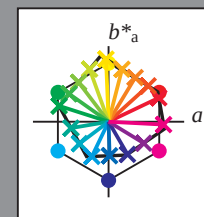
See for similar files: <http://www.ps.bam.de/De98/>; www.ps.bam.de/De98/10L/L98E00NP.PS/.PDF
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSpX=1

BAM registration: 20080701-De98/10L/L98E00NP.PS/.PDF BAM material: code=rhadata
application for evaluation and measurement of printer or monitor systems

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*tch*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
01	0.0	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0	0.0	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0	0.0	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
02	0.06	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0	0.06	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0	0.06	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
03	0.13	0.13	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0	0.13	0.13	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0	0.13	0.13	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
04	0.19	0.19	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0	0.19	0.19	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0	0.19	0.19	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
05	0.25	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0	0.25	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0	0.25	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
06	0.31	0.31	0.31	0.31	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0	0.31	0.31	0.31	0.31	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0	0.31	0.31	0.31	0.31	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
07	0.38	0.38	0.38	0.38	0.38	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0	0.38	0.38	0.38	0.38	0.38	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0	0.38	0.38	0.38	0.38	0.38	0.38	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
08	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.5	0.56	0.62	0.68	0.74	0.8	0.86	0.92	0.98	1.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
09	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	0.5	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	0.5	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	0.5	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	0.5	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	0.5	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	0.5	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	0.5	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	0.5	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	0.5	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	0.5	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	0.5	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	0.5	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	0.5	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	0.5	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	0.5	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.

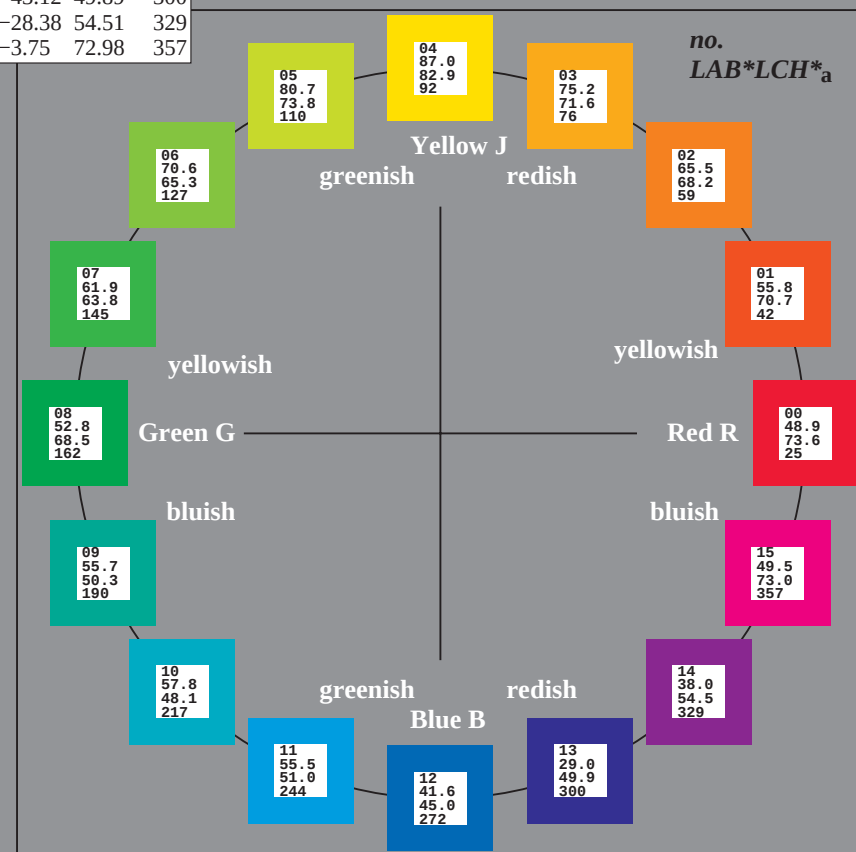
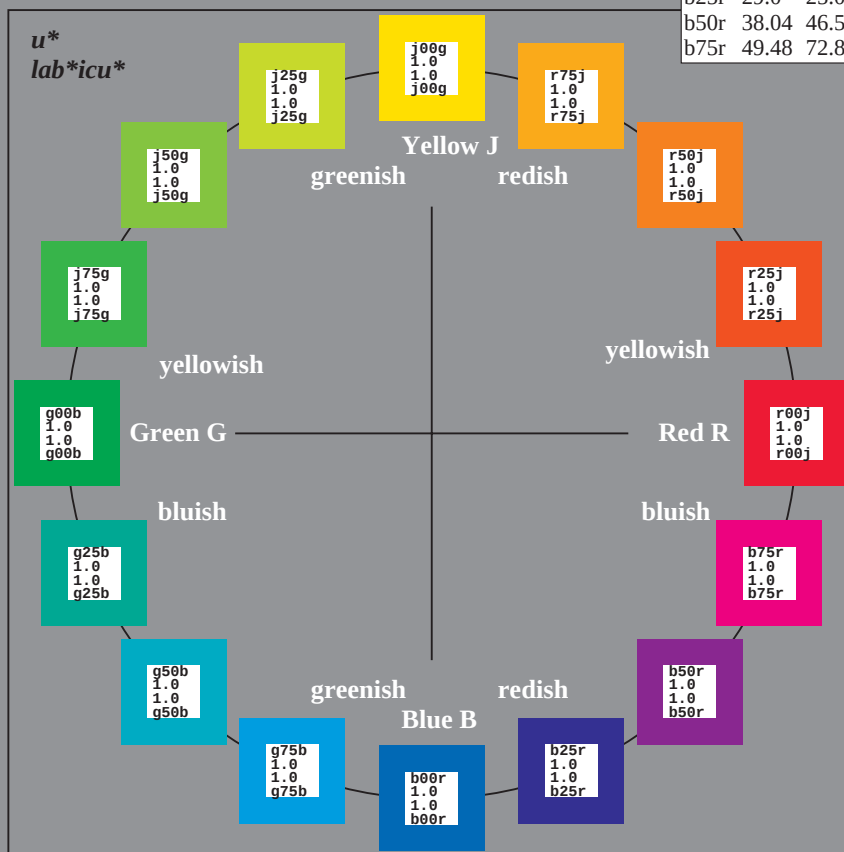
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data					
	$L^{*}=L^{*}_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



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

ORS19_96a; adapted (a) CIELAB data					
	$L^{*}=L^{*}_a$	a^{*}_a	b^{*}_a	$C^{*}_{ab,a}$	$h^{*}_{ab,a}$
OMa	48.75	65.07	39.43	76.08	31
YMa	90.92	-10.28	87.24	87.85	97
LMa	52.69	-65.43	20.75	68.65	162
CMa	59.61	-28.97	-46.21	54.56	238
VMa	28.39	23.63	-44.12	50.06	298
MMa	49.58	73.93	-9.55	74.55	353
NMa	18.89	0.0	0.0	0.0	0
WMa	96.9	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

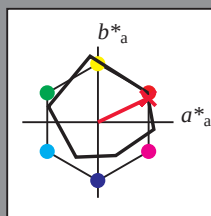
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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 0.16

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

lab^*icu^*

$i^* = 1.00$

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 $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

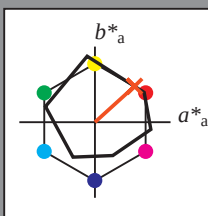
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

lab^*icu^*

$i^* = 1.00$

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 $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

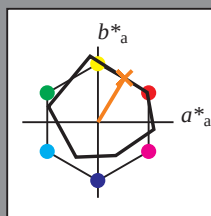
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 65 68 59

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

$lab^*olv^*_{Ma}$: 1.0 0.4 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

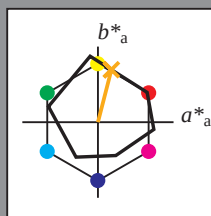
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 75 72 76

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

$lab^*olv^*_{Ma}$: 1.0 0.63 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

lab^*icu^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

See for similar files: <http://www.ps.bam.de/De98/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSp=1

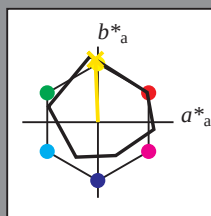
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$ data for any colour: Data for maximum colour (Ma):

lab*tch* and lab*icu*

elementary hue text:

$$u^* = j00g$$

contrast reduction factor:

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = \bar{L}^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB*LAB*_{Ma}: 87 -2 83

LAB*LCH*Ma: 87 83 92

lab*rqb*_Ma: 1.0 1.0 0.0

*lab*olv**Ma: 1.0 0.91 0.0

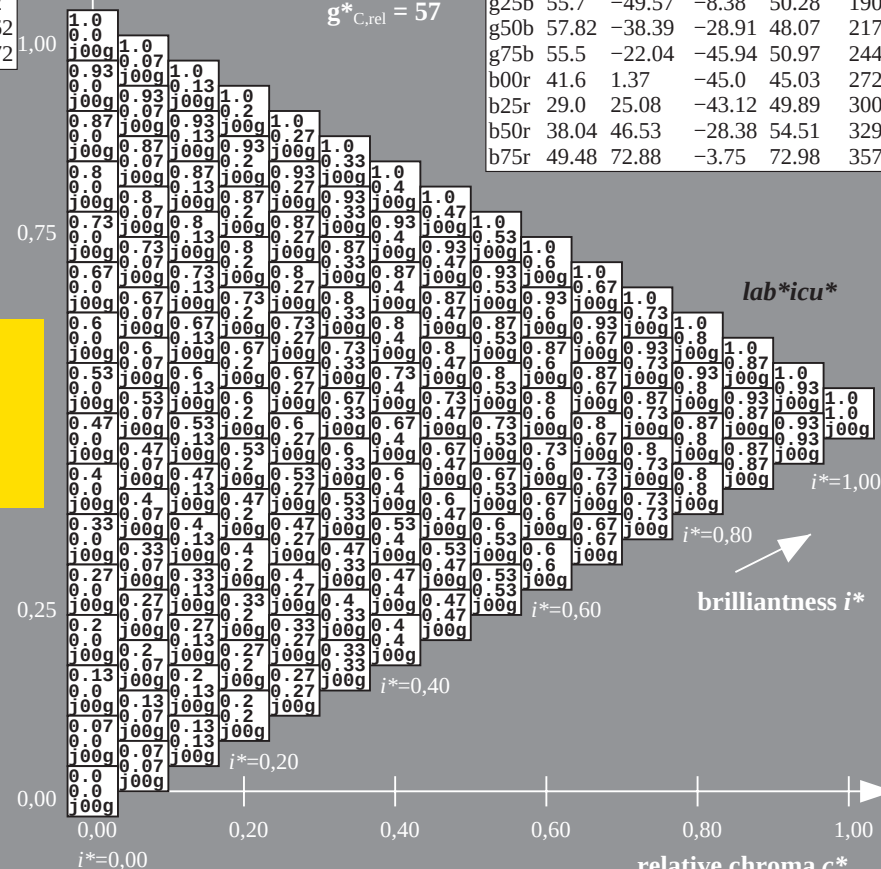
triangle lightness t^*

▲

%Gamut

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

% Regular
* = 52

 $\sigma^*_{\text{H,rel}} = 57$ 

ORS19_96a; adapted (a) CIELAB data					
	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25.5
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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

*lab*icu**

$$i^*=1,00$$

brilliantness i*

BAM-test chart De98; Colorimetric systems, Page 114/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmyn5* setcmykcolor
```

BAM registration: 20080701-De98/10L/L98E00NP.PS/.PDF BAM material: code=rha4ta
+ application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

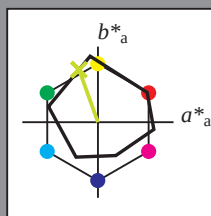
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 81 -24 69

$LAB^*LCH^*_{Ma}$: 81 74 110

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

$lab^*olv^*_{Ma}$: 0.73 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					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

See for similar files: <http://www.ps.bam.de/De98/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=1

BAM registration: 20080701-De98/10L/L98E00NP.PS/.PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

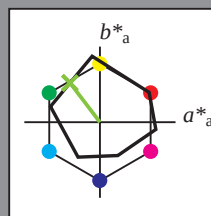
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$ data for any colour: Data for maximum colour (Ma):

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

elementary hue text:

$$u^* = j50g$$

contrast reduction factor:

 $c_R = 1.0$ triangle lightness t^* 

ORS19_96a; adapted (a) CIELAB data					
	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	50.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB*LAB*_{Ma}: 71 -39 52

LAB*LCH*Ma: 71 65 127

*lab*rag**Ma: 0.5 1.0 0.0

*lab*olv**_{M3}: 0.47 1.0 0.0

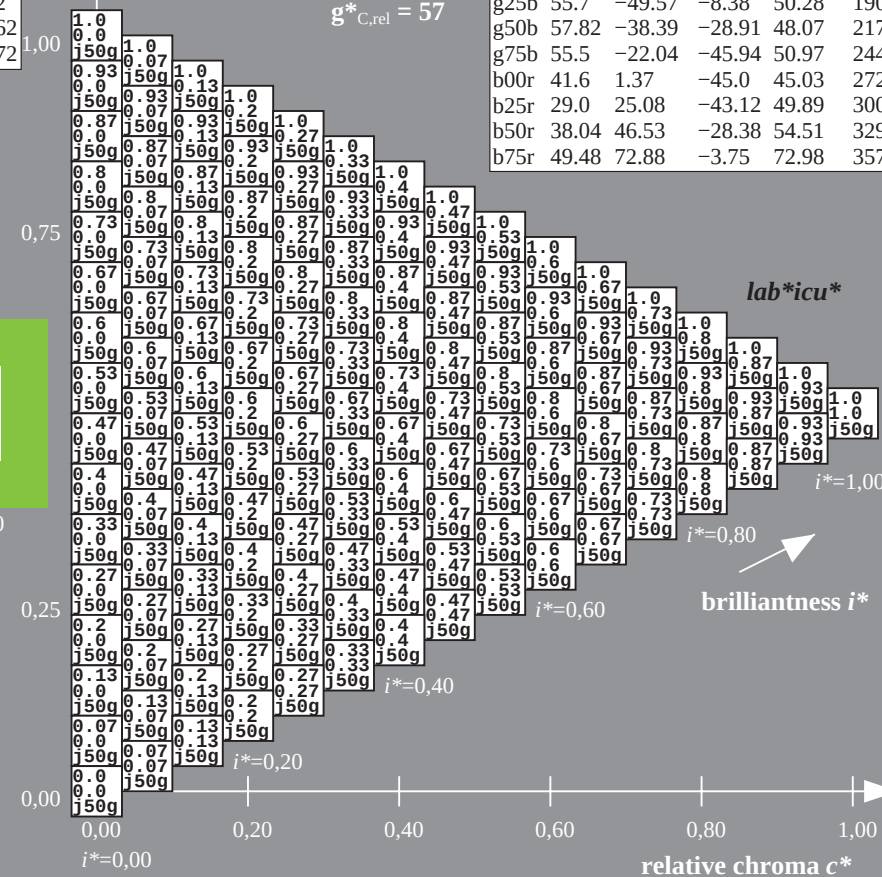
triangle lightness t^*

100

%Gamut

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

%Regularity
 52

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


*lab*icu**

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

BAM-test chart De98; Colorimetric systems, Page 116/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmyn5* setcmykcolor
```


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

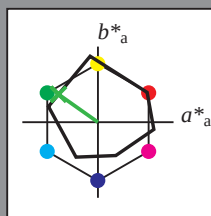
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 62 -51 37

$LAB^*LCH^*_{Ma}$: 62 64 145

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

$lab^*olv^*_{Ma}$: 0.24 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					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

lab^*icu^*

$i^* = 1.00$

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 $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

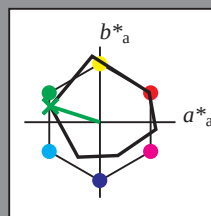
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -64 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					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

lab^*icu^*

$i^* = 1.00$

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 $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

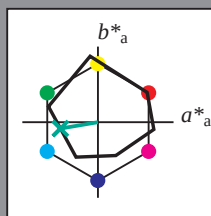
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -49 -7

$LAB^*LCH^*_{Ma}$: 56 50 190

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

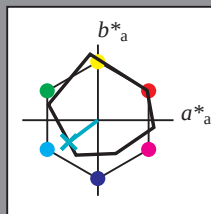
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 -37 -28

$LAB^*LCH^*_{Ma}$: 58 48 217

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.74

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

lab^*icu^*

$i^* = 1.00$

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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

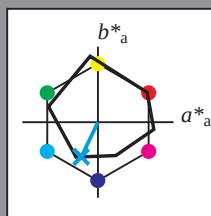
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 -21 -45

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

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

$lab^*olv^*_{Ma}$: 0.0 0.87 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

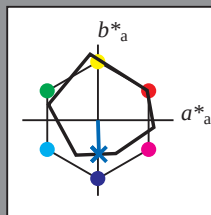
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 1 -44

$LAB^*LCH^*_{Ma}$: 42 45 272

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

lab^*icu^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

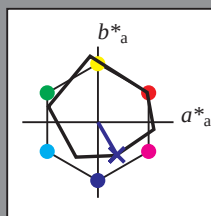
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 25 -42

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

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

$lab^*olv^*_{Ma}$: 0.03 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					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

lab^*icu^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

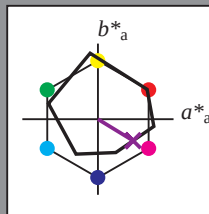
relative chroma c^*

See for similar files: <http://www.ps.bam.de/De98/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSp=1

BAM registration: 20080701-De9810L/L98E00NP.PS/.PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$ data for any colour: Data for maximum colour (Ma):

*lab*tch** and *lab*icu**
 elementary hue text:
 $u^* = b50r$
 contrast reduction factor
 $c_R = 1.0$
 triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
Q _{Ma}	48.75	65.07	39.43	76.08		31
Y _{Ma}	90.92	-10.28	87.24	87.85		97
L _{Ma}	52.69	-65.43	20.75	68.65		162
C _{Ma}	59.61	-28.97	-46.21	54.56		238
V _{Ma}	28.39	23.63	-44.12	50.06		298
M _{Ma}	49.58	73.93	-9.55	74.55		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	-2.88	71.56	71.62		92
G _{CIE}	52.23	-42.41	13.6	44.55		162
B _{CIE}	30.57	1.41	-46.46	46.49		272

Data for maximum colour (Ma):

LAB*LAB*_{Ma}: 38 47 -27

LAB*LCH*Ma: 38 55 329

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

lab*olv*Ma: 0.46 0.0 1.0

triangle lightness t^*

▲

%Gamut

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

%Regularity

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

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

$u^* = b50r$
 lab^*icu^*

ORS19_96a; adapted (a) CIELAB data						
	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	-3.34	82.83	82.9	92	
j25g	80.72	-25.0	69.5	73.86	110	
j50g	70.64	-39.53	51.97	65.3	127	
j75g	61.93	-52.09	36.83	63.8	145	
g00b	52.8	-65.27	20.93	68.56	162	
g25b	55.7	-49.57	-8.38	50.28	190	
g50b	57.82	-38.39	-28.91	48.07	217	
g75b	55.5	-22.04	-45.94	50.97	244	
b00r	41.6	1.37	-45.0	45.03	272	
b25r	29.0	25.08	-43.12	49.89	300	
b50r	38.04	46.53	-28.38	54.51	329	
b75r	49.48	72.88	-3.75	72.98	357	

*lab*icu**

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

BAM-test chart De98; Colorimetric systems, Page 124/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmyn5* setcmykcolor
```

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

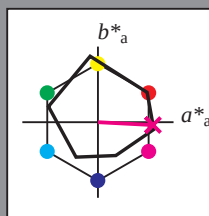
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.28	87.24	87.85	97
L _{Ma}	52.69	-65.43	20.75	68.65	162
C _{Ma}	59.61	-28.97	-46.21	54.56	238
V _{Ma}	28.39	23.63	-44.12	50.06	298
M _{Ma}	49.58	73.93	-9.55	74.55	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	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 73 -3

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

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.88

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

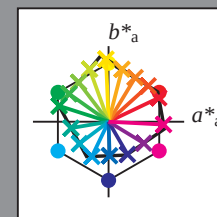
See for similar files: <http://www.ps.bam.de/De98/>; www.ps.bam.de/De98/De98E00NP.PS/.PDF
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSp=1

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*icu*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
01	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	g94b	g00b	g00b	g00b	g00b	g00b	g00b	g00b	g00b	r08j	j06g	j46g	j64g	j73g	j	j78g	j82g	j84g	j86g	r09j	r60j	j06g	j30g	j46g	j56g	j64g	j69g	j73g	g94b	r08j	r08j	r08j	r08j	r08j	r08j	r08j	r08j	r08j	g94b	g94b	g94b	g94b																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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	0.25	0.38	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	0.88	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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

BAM registration: 20080701-De98/10L/L98E00NP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

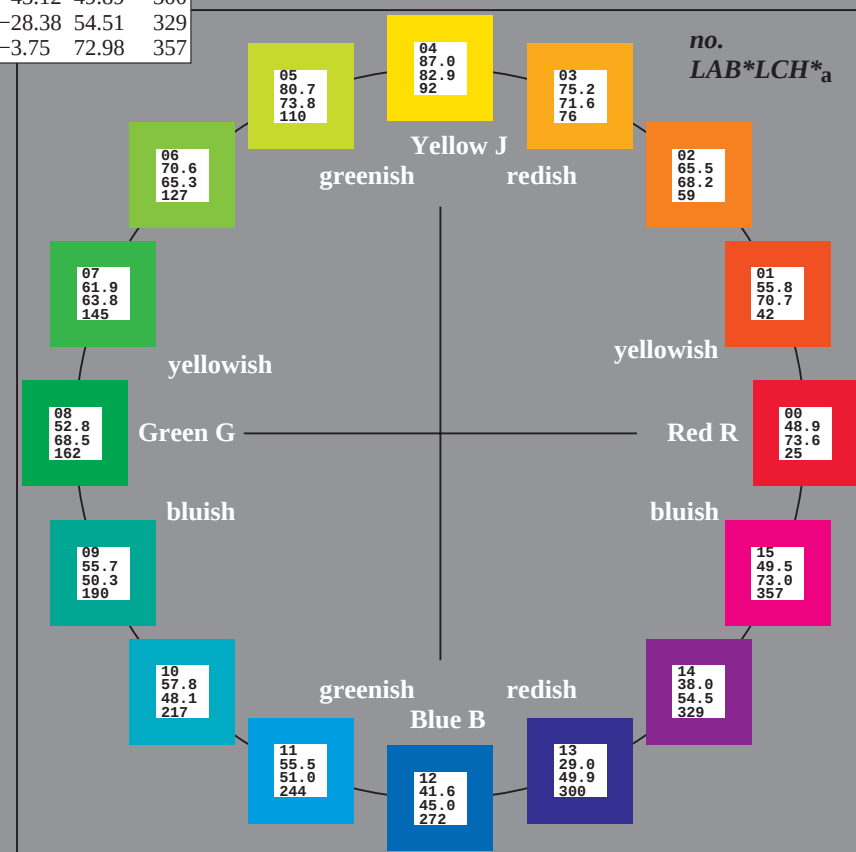
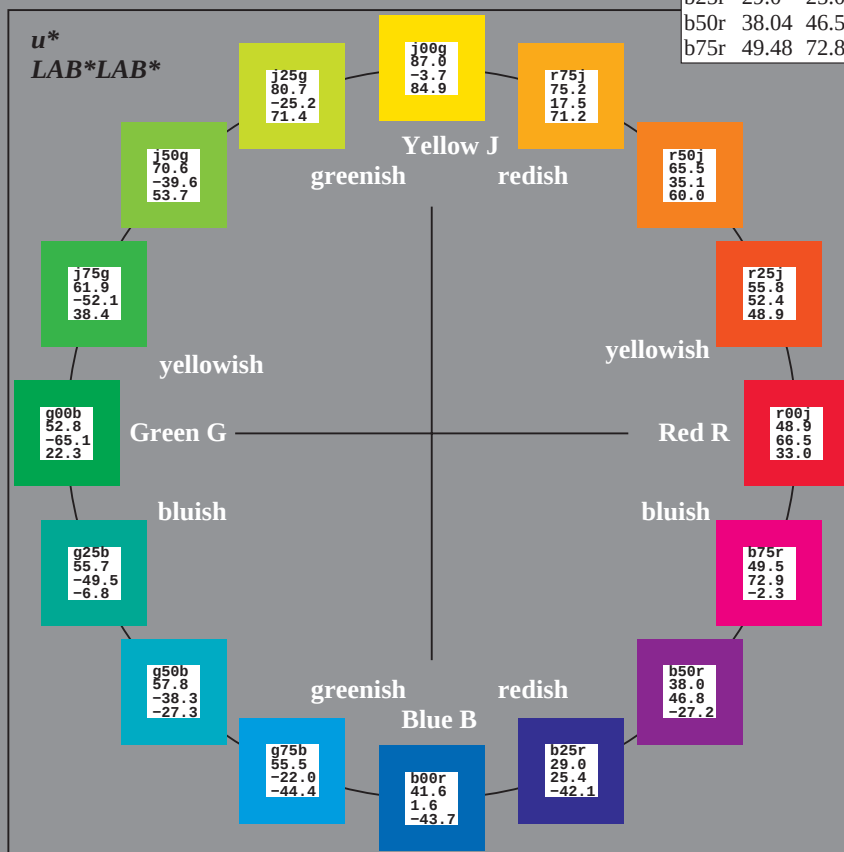
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
*u** = 16 hues *r00j*, *r25j*, ..., *b75r*
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



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

ORS19_96; CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

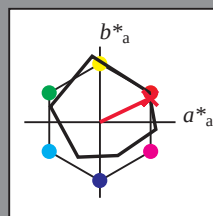
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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 0.16

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

$u^* = r00j$

LAB^*LAB^*

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

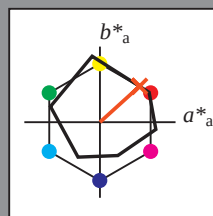
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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

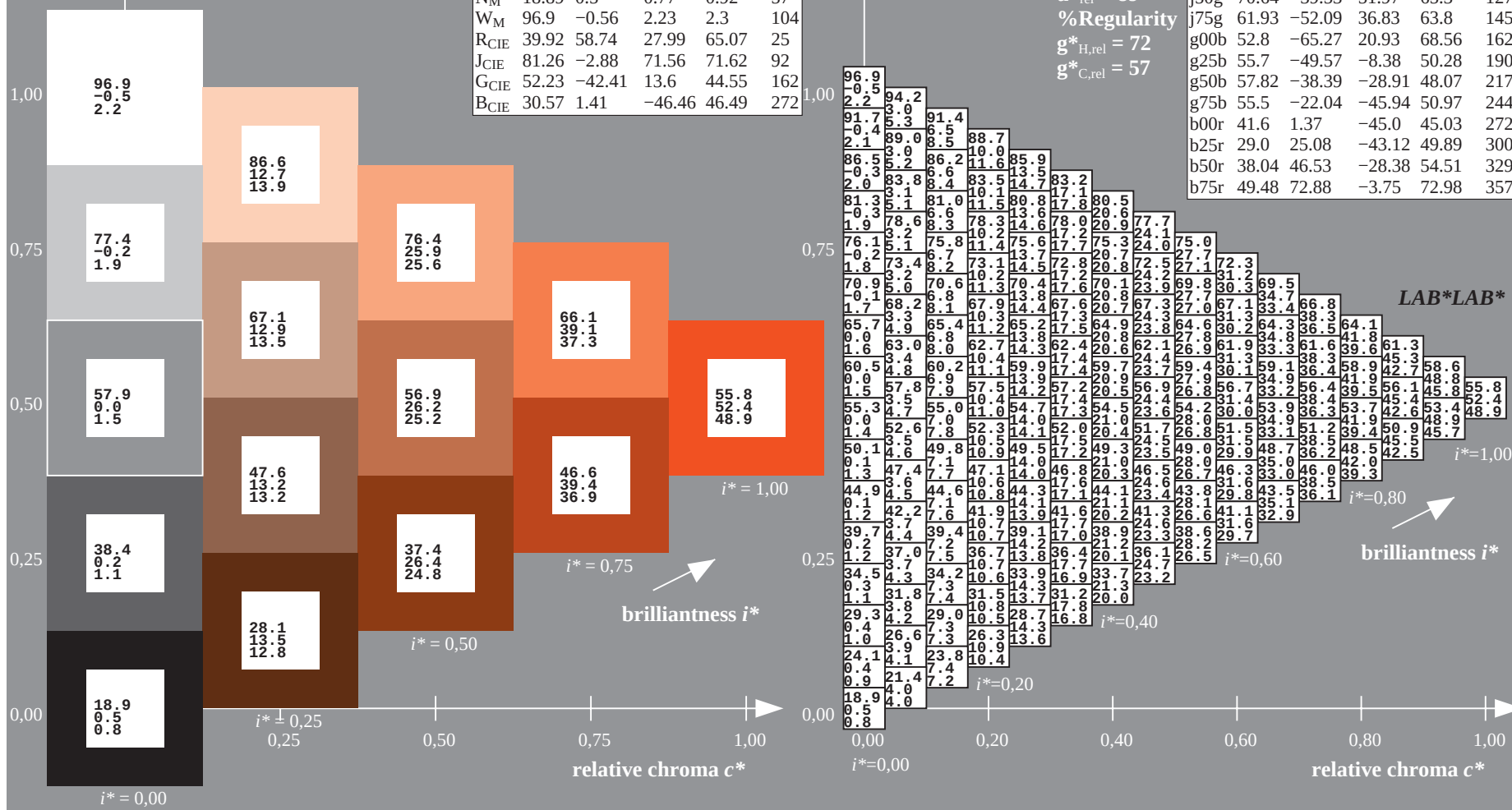
$g^*_{H,rel} = 72$

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

$u^* = r25j$

LAB^*LAB^*

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

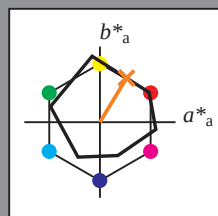
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 65 35 58

LAB^*LCH^*Ma : 65 68 59

lab^*rgb^*Ma : 1.0 0.5 0.0

lab^*olv^*Ma : 1.0 0.4 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

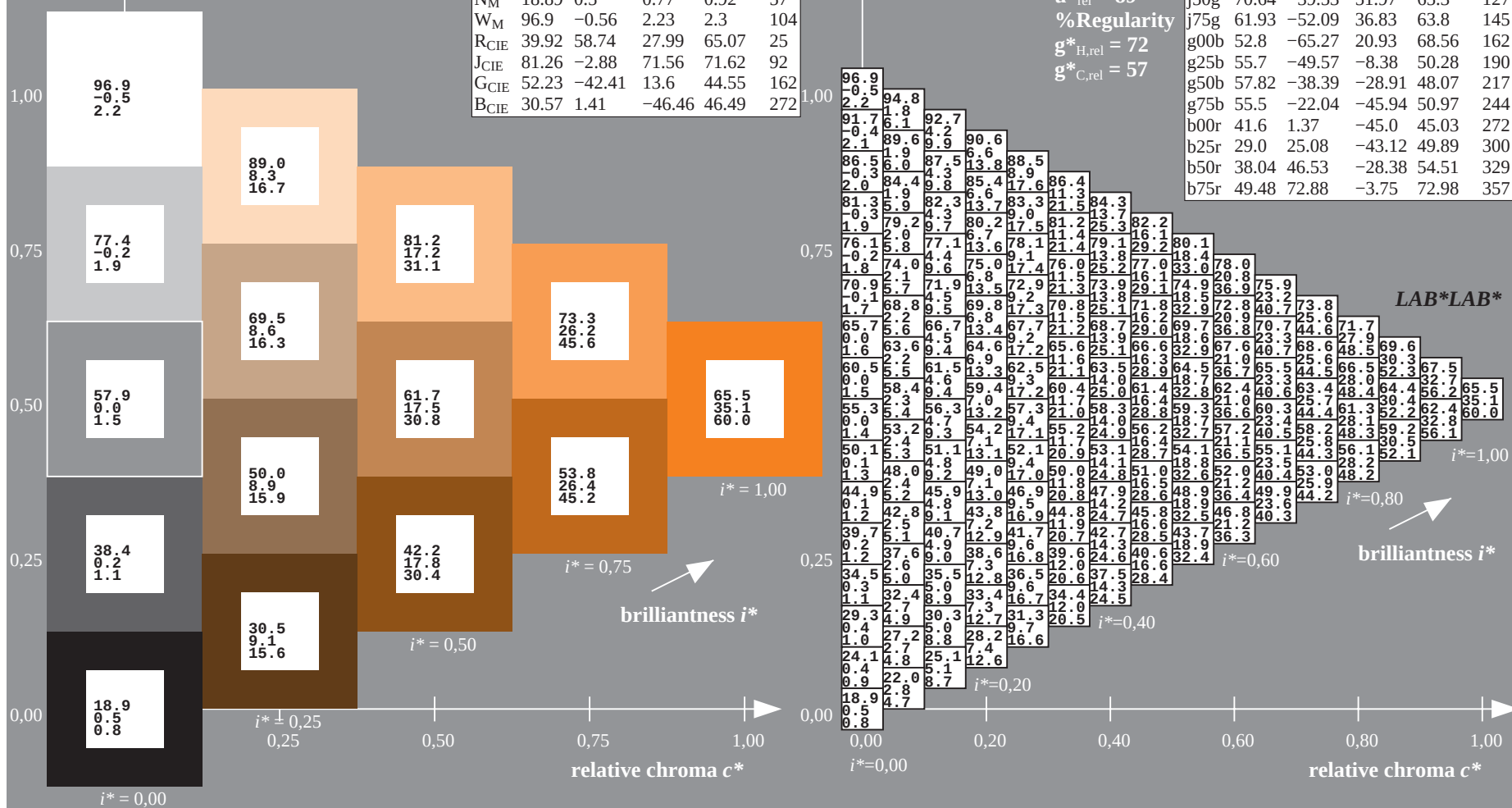
$g^*_{H,rel} = 72$

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

$u^* = r50j$

LAB^*LAB^*

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

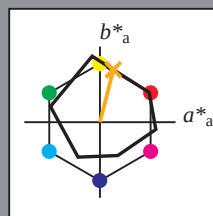
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 75 72 76

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

$lab^*olv^*_{Ma}$: 1.0 0.63 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

$u^* = r75j$

LAB^*LAB^*

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

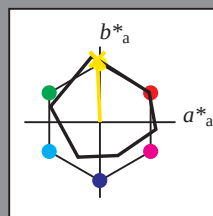
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -2 83

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

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

$lab^*olv^*_{Ma}$: 1.0 0.91 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

LAB^*LAB^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

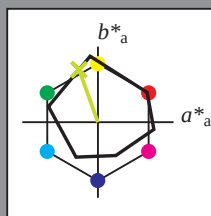
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 81 -24 69

$LAB^*LCH^*_{Ma}$: 81 74 110

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

$lab^*olv^*_{Ma}$: 0.73 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					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

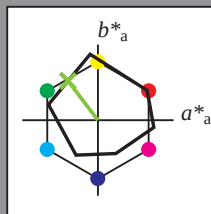
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 71 -39 52

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

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

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

triangle lightness t^*

%Gamut

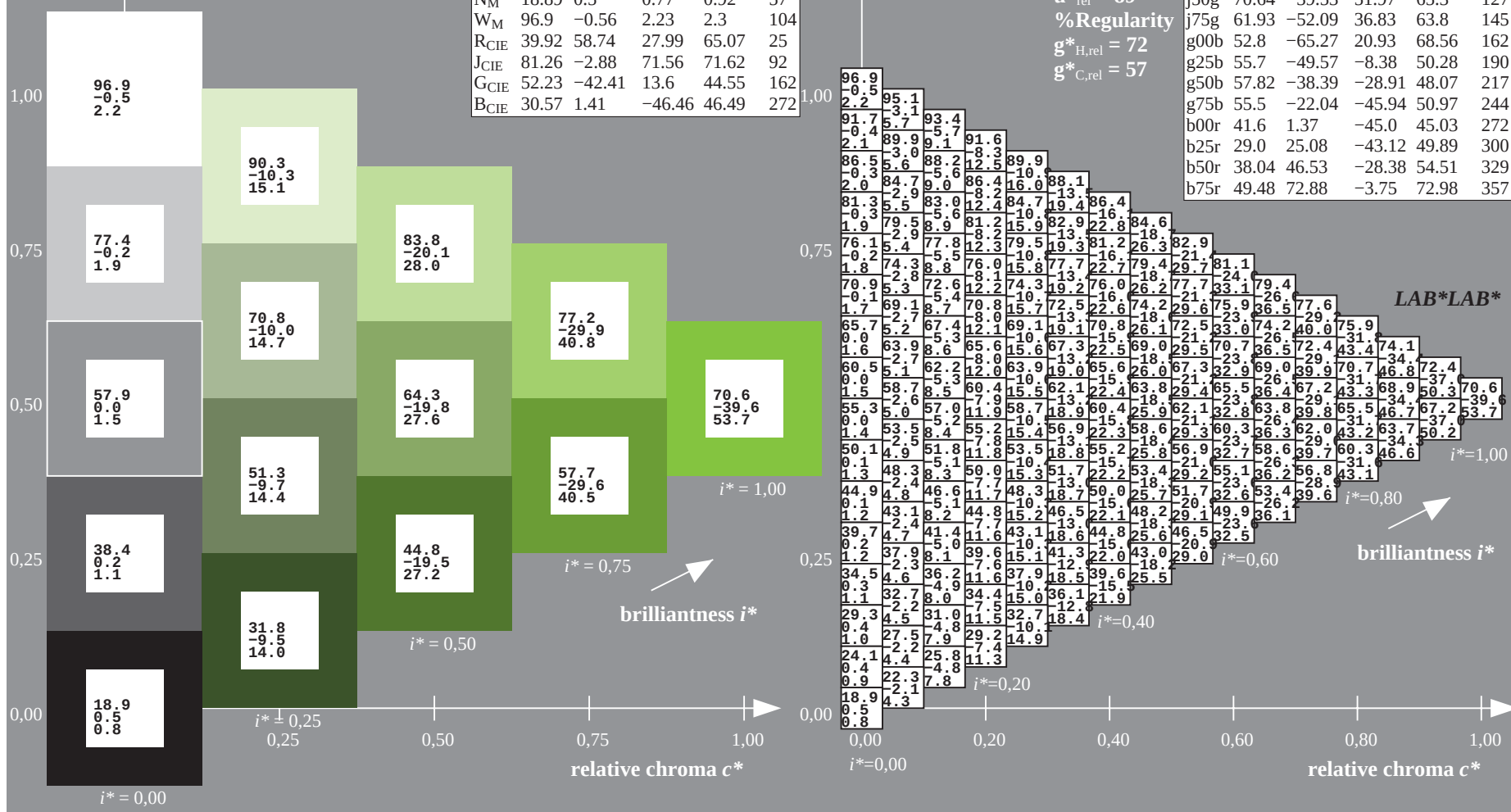
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

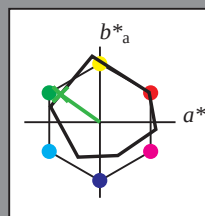
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 62 -51 37

LAB^*LCH^*Ma : 62 64 145

lab^*rgb^*Ma : 0.25 1.0 0.0

lab^*olv^*Ma : 0.24 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					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

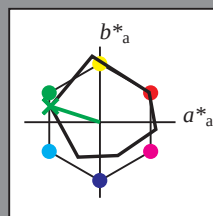
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -64 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					
	$L^*=L^*_{a}$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

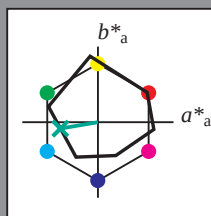
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 56 -49 -7

LAB^*LCH^*Ma : 56 50 190

lab^*rgb^*Ma : 0.0 1.0 0.5

lab^*olv^*Ma : 0.0 1.0 0.44

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

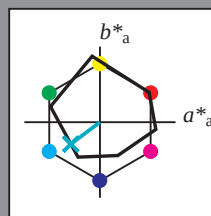
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 -37 -28

$LAB^*LCH^*_{Ma}$: 58 48 217

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.74

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

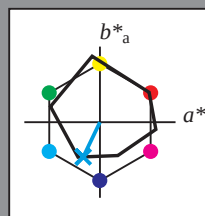
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 -21 -45

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

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

$lab^*olv^*_{Ma}$: 0.0 0.87 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

LAB^*LAB^*

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

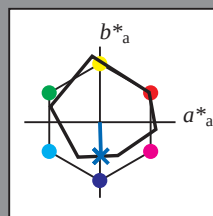
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 42 1 -44

LAB^*LCH^*Ma : 42 45 272

lab^*rgb^*Ma : 0.0 0.0 1.0

lab^*olv^*Ma : 0.0 0.42 1.0

triangle lightness t^*

%Gamut

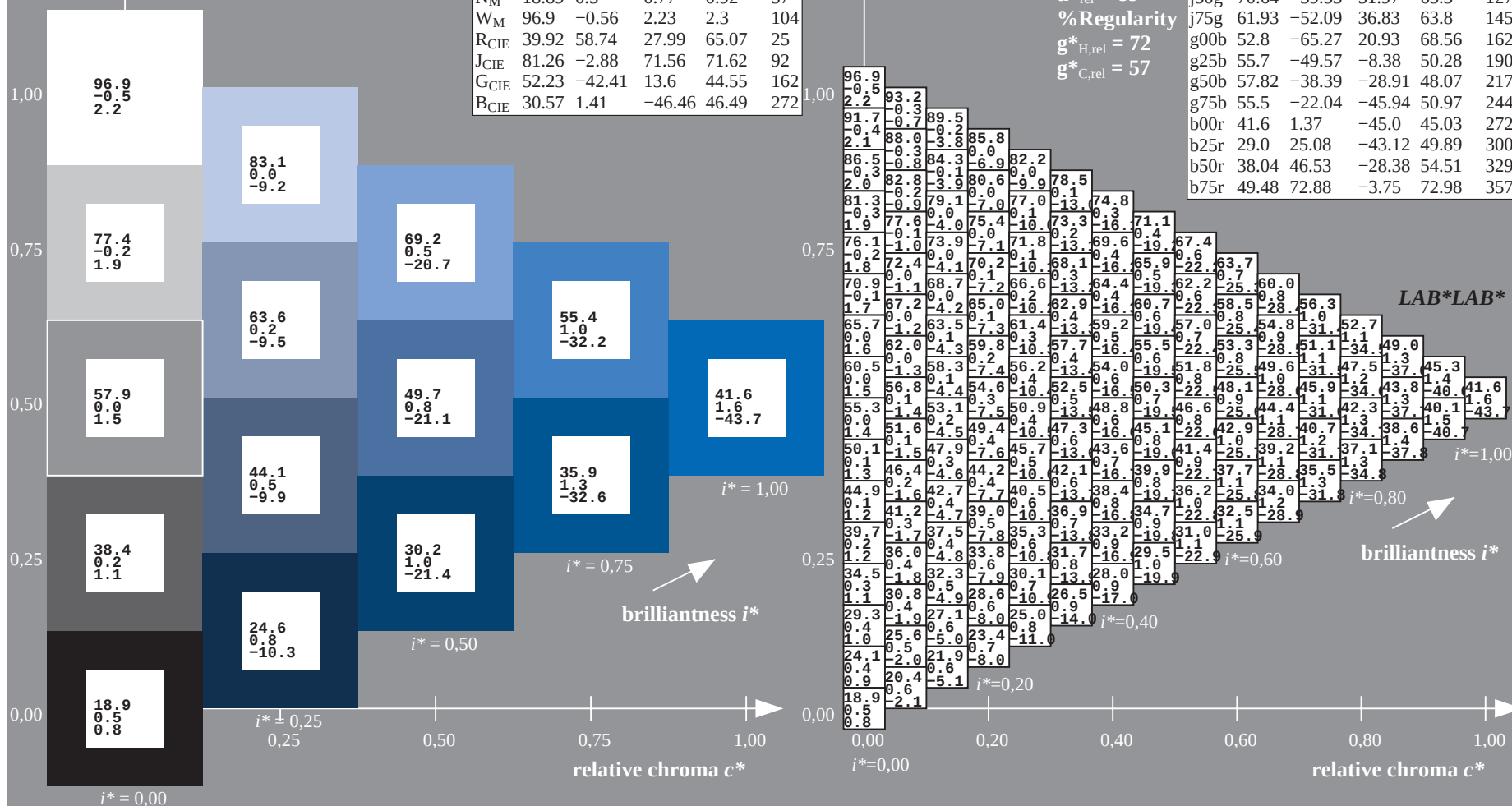
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

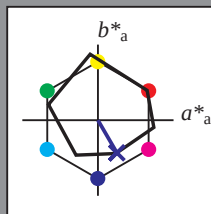
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 25 -42

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

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

$lab^*olv^*_{Ma}$: 0.03 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

$u^* = b25r$

LAB^*LAB^*

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

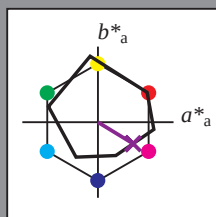
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 47 -27

$LAB^*LCH^*_{Ma}$: 38 55 329

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

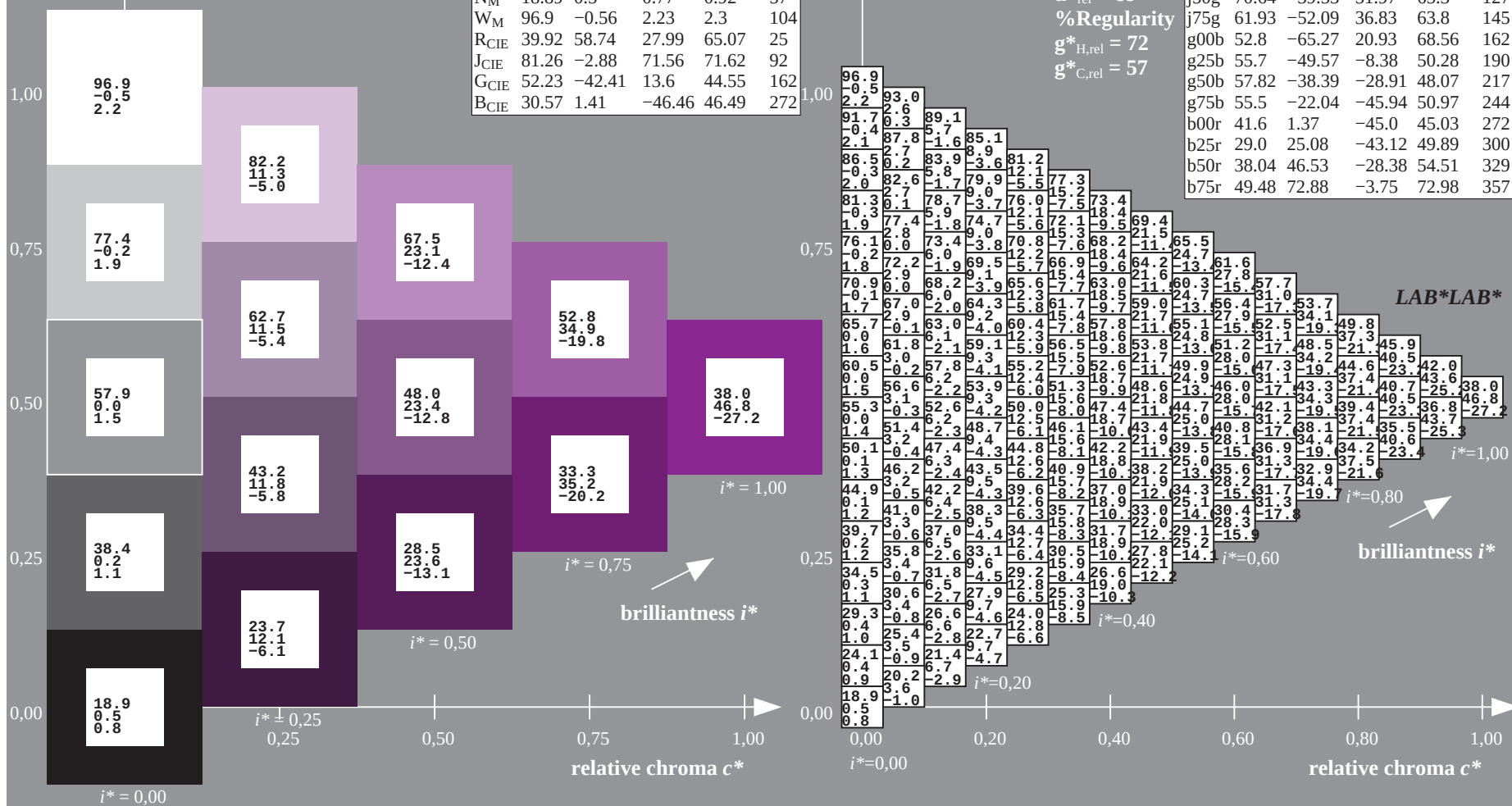
$g^*_{H,rel} = 72$

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

$u^* = b50r$

LAB^*LAB^*

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

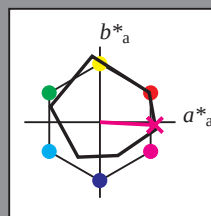
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 73 -3

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

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.88

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

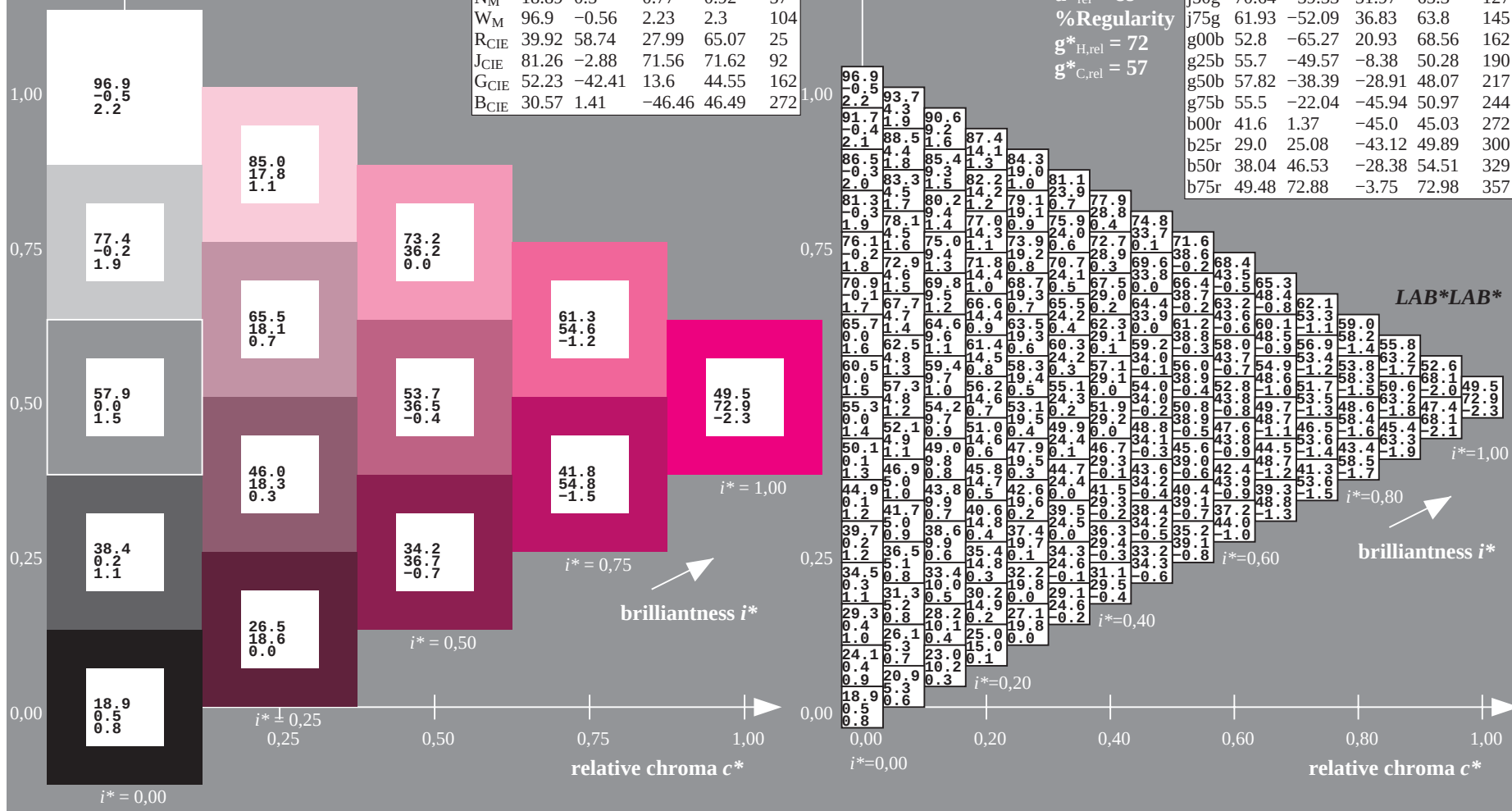
$g^*_{H,rel} = 72$

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

$u^* = b75r$

LAB^*LAB^*

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



See for similar files: <http://www.ps.bam.de/De98/>; <http://www.ps.bam.de/De98/10L/L98E00NP.PS/.PDF>
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=1

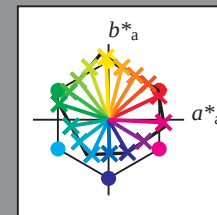
BAM registration: 20080701-De98/10L/L98E00NP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
01	18.9	23.1	27.3	31.6	35.8	40.0	44.2	48.5	52.7	56.9	61.1	65.3	69.5	73.7	77.9	82.1	86.3	90.5	94.7	98.9	103.1	107.3	111.5	115.7	119.9	124.1	128.3	132.5	136.7	140.9	145.1	149.3	153.5	157.7	161.9	166.1	170.3	174.5	178.7	182.9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
02	9.5	7.6	-15.9	-24.1	-32.3	-40.6	-48.8	-57.1	-65.3	-73.5	-81.7	-89.9	-98.1	-106.3	-114.5	-122.7	-130.9	-139.1	-147.3	-155.5	-163.7	-171.9	-180.1	-188.3	-196.5	-204.7	-212.9	-221.1	-229.3	-237.5	-245.7	-253.9	-262.1	-270.3	-278.5	-286.7	-294.9	-303.1	-311.3	-319.5	-327.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
03	30.4	24.0	28.2	32.4	36.6	40.8	44.9	49.1	53.3	57.5	61.7	65.9	70.1	74.3	78.5	82.7	86.9	91.1	95.3	99.5	103.7	107.9	112.1	116.3	120.5	124.7	128.9	133.1	137.3	141.5	145.7	149.9	154.1	158.3	162.5	166.7	170.9	175.1	179.3	183.5	187.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
04	24.6	2.8	-2.1	3.3	8.5	13.7	18.9	24.1	29.3	34.5	39.7	44.9	50.1	55.3	60.5	65.7	70.9	76.1	81.3	86.5	91.7	96.9	102.1	107.3	112.5	117.7	122.9	128.1	133.3	138.5	143.7	148.9	154.1	159.3	164.5	169.7	174.9	180.1	185.3	190.5	195.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
05	6.4	-0.2	-6.8	-15.0	-23.3	-31.5	-39.7	-47.9	-56.1	-64.3	-72.5	-80.7	-88.9	-97.1	-105.3	-113.5	-121.7	-129.9	-138.1	-146.3	-154.5	-162.7	-170.9	-179.1	-187.3	-195.5	-203.7	-211.9	-220.1	-228.3	-236.5	-244.7	-252.9	-261.1	-269.3	-277.5	-285.7	-293.9	-302.1	-310.3	-318.5	-326.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
06	-10.1	-10.3	-10.5	-7.8	-5.1	-2.5	0.1	2.8	5.4	8.0	10.6	13.2	15.8	18.4	21.0	23.6	26.2	28.8	31.4	34.0	36.6	39.2	41.8	44.4	47.0	49.6	52.2	54.8	57.4	60.0	62.6	65.2	67.8	70.4	73.0	75.6	78.2	80.8	83.4	86.0	88.6	91.2	93.8	96.4	99.0	101.6	104.2	106.8	109.4	112.0	114.6	117.2	119.8	122.4	125.0	127.6	130.2	132.8	135.4	138.0	140.6	143.2	145.8	148.4	151.0	153.6	156.2	158.8	161.4	164.0	166.6	169.2	171.8	174.4	177.0	179.6	182.2	184.8	187.4	190.0	192.6	195.2	197.8	200.4	203.0	205.6	208.2	210.8	213.4	216.0	218.6	221.2	223.8	226.4	229.0	231.6	234.2	236.8	239.4	242.0	244.6	247.2	249.8	252.4	255.0	257.6	260.2	262.8	265.4	268.0	270.6	273.2	275.8	278.4	281.0	283.6	286.2	288.8	291.4	294.0	296.6	299.2	301.8	304.4	307.0	309.6	312.2	314.8	317.4	320.0	322.6	325.2	327.8	330.4	333.0	335.6	338.2	340.8	343.4	346.0	348.6	351.2	353.8	356.4	359.0	361.6	364.2	366.8	369.4	372.0	374.6	377.2	379.8	382.4	385.0	387.6	390.2	392.8	395.4	398.0	400.6	403.2	405.8	408.4	411.0	413.6	416.2	418.8	421.4	424.0	426.6	429.2	431.8	434.4	437.0	439.6	442.2	444.8	447.4	450.0	452.6	455.2	457.8	460.4	463.0	465.6	468.2	470.8	473.4	476.0	478.6	481.2	483.8	486.4	489.0	491.6	494.2	496.8	499.4	502.0	504.6	507.2	509.8	512.4	515.0	517.6	520.2	522.8	525.4	528.0	530.6	533.2	535.8	538.4	541.0	543.6	546.2	548.8	551.4	554.0	556.6	559.2	561.8	564.4	567.0	569.6	572.2	574.8	577.4	580.0	582.6	585.2	587.8	590.4	593.0	595.6	598.2	600.8	603.4	606.0	608.6	611.2	613.8	616.4	619.0	621.6	624.2	626.8	629.4	632.0	634.6	637.2	639.8	642.4	645.0	647.6	650.2	652.8	655.4	658.0	660.6	663.2	665.8	668.4	671.0	673.6	676.2	678.8	681.4	684.0	686.6	689.2	691.8	694.4	697.0	699.6	702.2	704.8	707.4	710.0	712.6	715.2	717.8	720.4	723.0	725.6	728.2	730.8	733.4	736.0	738.6	741.2	743.8	746.4	749.0	751.6	754.2	756.8	759.4	762.0	764.6	767.2	769.8	772.4	775.0	777.6	780.2	782.8	785.4	788.0	790.6	793.2	795.8	798.4	801.0	803.6	806.2	808.8	811.4	814.0	816.6	819.2	821.8	824.4	827.0	829.6	832.2	834.8	837.4	840.0	842.6	845.2	847.8	850.4	853.0	855.6	858.2	860.8	863.4	866.0	868.6	871.2	873.8	876.4	879.0	881.6	884.2	886.8	889.4	892.0	894.6	897.2	899.8	902.4	905.0	907.6	910.2	912.8	915.4	918.0	920.6	923.2	925.8	928.4	931.0	933.6	936.2	938.8	941.4	944.0	946.6	949.2	951.8	954.4	957.0	959.6	962.2	964.8	967.4	970.0	972.6	975.2	977.8	980.4	983.0	985.6	988.2	990.8	993.4	996.0	998.6	1001.2	1003.8	1006.4	1009.0	1011.6	1014.2	1016.8	1019.4	1022.0	1024.6	1027.2	1029.8	1032.4	1035.0	1037.6	1040.2	1042.8	1045.4	1048.0	1050.6	1053.2	1055.8	1058.4	1061.0	1063.6	1066.2	1068.8	1071.4	1074.0	1076.6	1079.2	1081.8	1084.4	1087.0	1089.6	1092.2	1094.8	1097.4	1099.9	1102.5	1105.1	1107.7	1110.3	1112.9	1115.5	1118.1	1120.7	1123.3	1125.9	1128.5	1131.1	1133.7	1136.3	1138.9	1141.5	1144.1	1146.7	1149.3	1151.9	1154.5	1157.1	1159.7	1162.3	1164.9	1167.5	1170.1	1172.7	1175.3	1177.9	1180.5	1183.1	1185.7	1188.3	1190.9	1193.5	1196.1	1198.7	1201.3	1203.9	1206.5	1209.1	1211.7	1214.3	1216.9	1219.5	1222.1	1224.7	1227.3	1229.9	1232.5	1235.1	1237.7	1240.3	1242.9	1245.5	1248.1	1250.7	1253.3	1255.9	1258.5	1261.1	1263.7	1266.3	1268.9	1271.5	1274.1	1276.7	1279.3	1281.9	1284.5	1287.1	1289.7	1292.3	1294.9	1297.5	1299.9	1302.5	1305.1	1307.7	1310.3	1312.9	1315.5	1318.1	1320.7	1323.3	1325.9	1328.5	1331.1	1333.7	1336.3	1338.9	1341.5	1344.1	1346.7	1349.3	1351.9	1354.5	1357.1	1359.7	1362.3	1364.9	1367.5	1370.1	1372.7	1375.3	1377.9	1380.5	1383.1	1385.7	1388.3	1390.9	1393.5	1396.1	1398.7	1401.3	1403.9	1406.5	1409.1	1411.7	1414.3	1416.9	1419.5	1422.1	1424.7	1427.3	1429.9	1432.5	1435.1	1437.7	1440.3	1442.9	1445.5	1448.1	1450.7	1453.3	1455.9	1458.5	1461.1	1463.7	1466.3	1468.9	1471.5	1474.1	1476.7	1479.3	1481.9	1484.5	1487.1	1489.7	1492.3	1494.9	1497.5	1499.9	1502.5	1505.1	1507.7	1510.3	1512.9	1515.5	1518.1	1520.7	1523.3	1525.9	1528.5	1531.1	1533.7	1536.3	1538.9	1541.5	1544.1	1546.7	1549.3	1551.9	1554.5	1557.1	1559.7	1562.3	1564.9	1567.5	1570.1	1572.7	1575.3	1577.9	1580.5	1583.1	1585.7	1588.3	1590.9	1593.5	1596.1	1598.7	1601.3	1603.9	1606.5	1609.1	1611.7	1614.3	1616.9	1619.5	1622.1	1624.7	1627.3	1629.9	1632.5	1635.1	1637.7	1640.3	1642.9	1645.5	1648.1	1650.7	1653.3	1655.9	1658.5	1661.1	1663.7	1666.3	1668.9	1671.5	1674.1	1676.7	1679.3	1681.9	1684.5	1687.1	1689.7	1692.3	1694.9	1697.5	1699.9	1702.5	1705.1	1707.7	1710.3	1712.9	1715.5	1718.1	1720.7	1723.3	1725.9	1728.5	1731.1	1733.7	1736.3	1738.9	1741.5	1744.1	1746.7	1749.3	1751.9	1754.5	1757.1	1759.7	1762.3	1764.9	1767.5	1770.1	1772.7	1775.3	1777.9	1780.5	1783.1	1785.7	1788.3	1790.9	1793.5	1796.1	1798.7	1801.3	1803.9	1806.5	1809.1	1811.7	1814.3	1816.9	1819.5	1822.1	1824.7	1827.3	1829.9	1832.5	1835.1	1837.7	1840.3	1842.9	1845.5	1848.1	1850.7	1853.3	1855.9	1858.5	1861.1	1863.7	1866.3	1868.9	1871.5	1874.1	1876.7	1879.3	1881.9	1884.5	1887.1	1889.7	1892.3	1894.9	1897.5	1899.9	1902.5	1905.1	1907.7	1910.3	1912.9	1915.5	1918.1	1920.7	1923.3	1925.9	1928.5	1931.1	1933.7	1936.3	1938.9	1941.5	1944.1	1946.7	1949.3	1951.9	1954.5	1957.1	1959.7

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

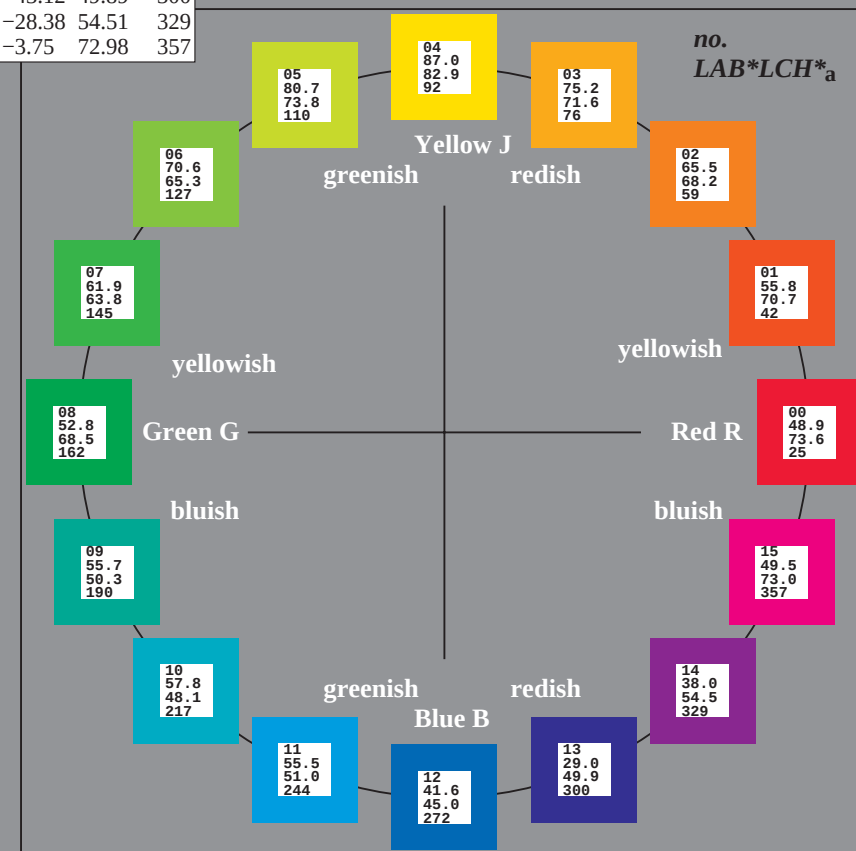
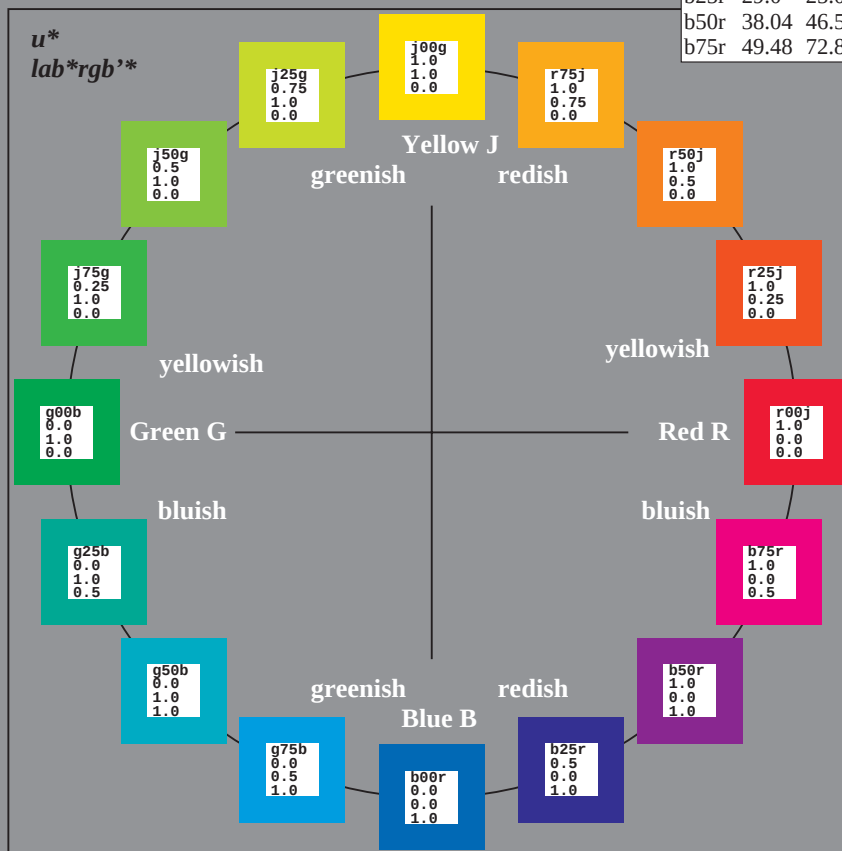
$lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data					
	$L^{*}=L^{*}_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



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

ORS19_96a; CIELAB data					
	$L^{*}=L^{*}$	a^{*}	b^{*}	C^{*}_{ab}	h^{*}_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

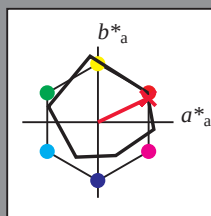
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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 0.16

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

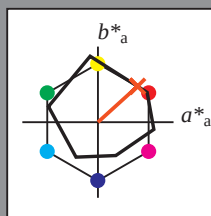
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	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 $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

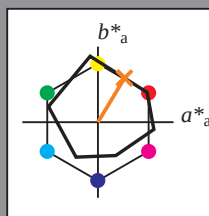
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 65 35 58

LAB^*LCH^*Ma : 65 68 59

lab^*rgb^*Ma : 1.0 0.5 0.0

lab^*olv^*Ma : 1.0 0.4 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	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 $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

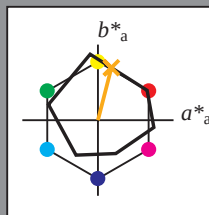
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 75 18 69

LAB^*LCH^*Ma : 75 72 76

lab^*rgb^*Ma : 1.0 0.75 0.0

lab^*olv^*Ma : 1.0 0.63 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	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 $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

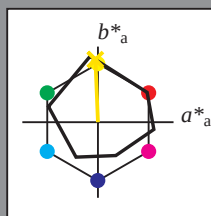
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -2 83

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

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

$lab^*olv^*_{Ma}$: 1.0 0.91 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

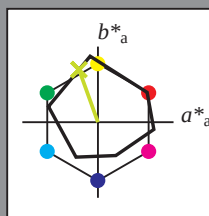
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

	$L^* = L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 81 -24 69

LAB^*LCH^*Ma : 81 74 110

lab^*rgb^*Ma : 0.75 1.0 0.0

lab^*olv^*Ma : 0.73 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

	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

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

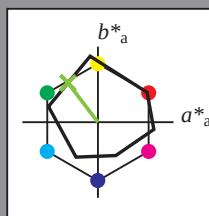
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 71 -39 52

LAB^*LCH^*Ma : 71 65 127

lab^*rgb^*Ma : 0.5 1.0 0.0

lab^*olv^*Ma : 0.47 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

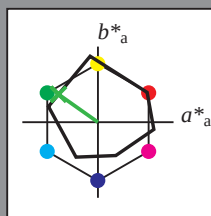
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

	$L^* = L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 62 -51 37

$LAB^*LCH^*_{Ma}$: 62 64 145

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

$lab^*olv^*_{Ma}$: 0.24 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

	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

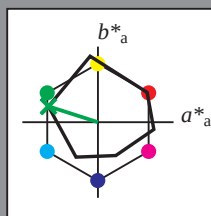
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -64 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					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	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 $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

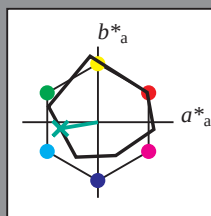
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -49 -7

$LAB^*LCH^*_{Ma}$: 56 50 190

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

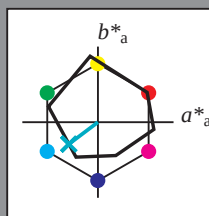
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 58 -37 -28

LAB^*LCH^*Ma : 58 48 217

lab^*rgb^*Ma : 0.0 1.0 1.0

lab^*olv^*Ma : 0.0 1.0 0.74

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

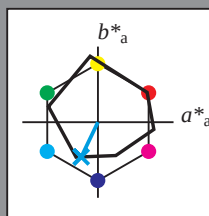
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 55 -21 -45

LAB^*LCH^*Ma : 55 51 244

lab^*rgb^*Ma : 0.0 0.5 1.0

lab^*olv^*Ma : 0.0 0.87 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	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 $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

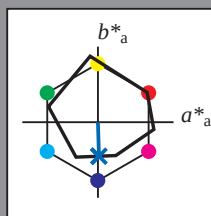
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 42 1 -44

LAB^*LCH^*Ma : 42 45 272

lab^*rgb^*Ma : 0.0 0.0 1.0

lab^*olv^*Ma : 0.0 0.42 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

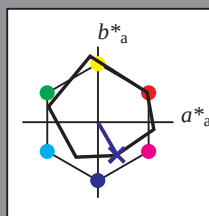
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 29 25 -42

LAB^*LCH^*Ma : 29 50 300

lab^*rgb^*Ma : 0.5 0.0 1.0

lab^*olv^*Ma : 0.03 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

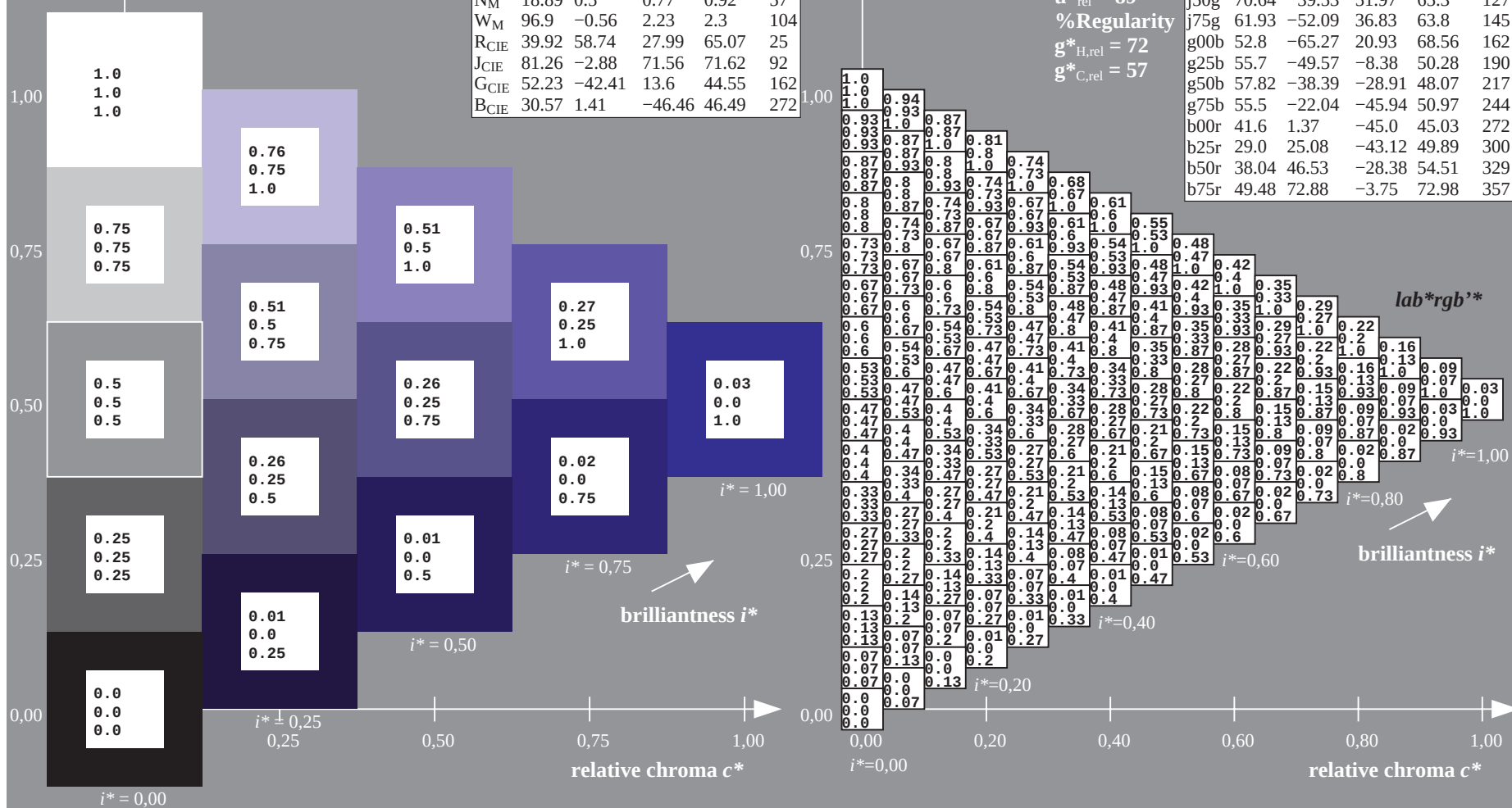
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

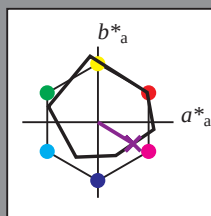
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 47 -27

$LAB^*LCH^*_{Ma}$: 38 55 329

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

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

triangle lightness t^*

%Gamut

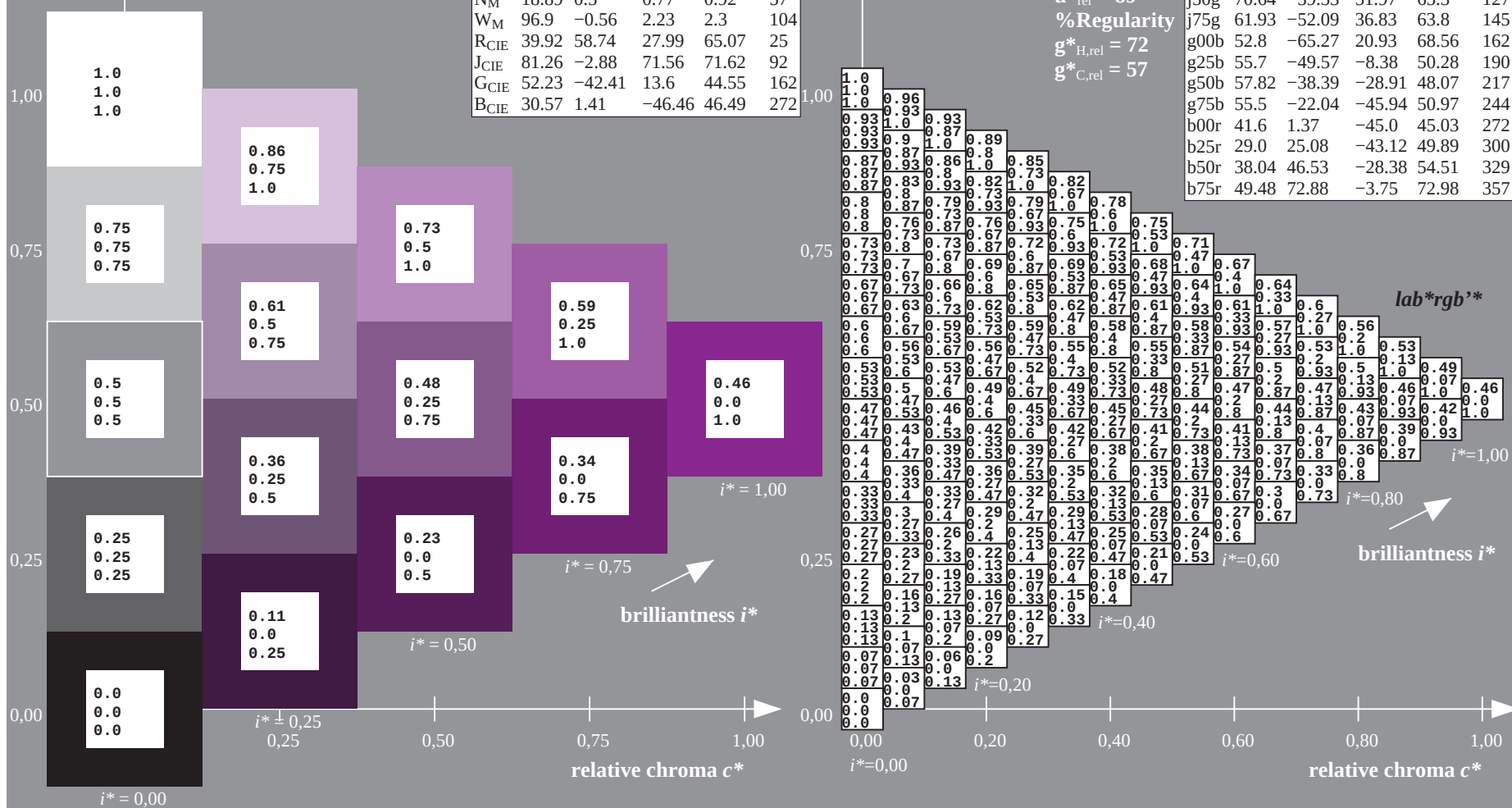
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

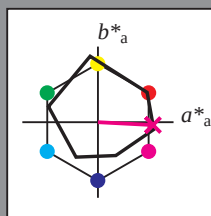
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 49 73 -3

LAB^*LCH^*Ma : 49 73 357

lab^*rgb^*Ma : 1.0 0.0 0.5

lab^*olv^*Ma : 1.0 0.0 0.88

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

BAM-test chart De98; Colorimetric systems, Page 162/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set..  
output: ->cmyn5* setcmkcolor
```

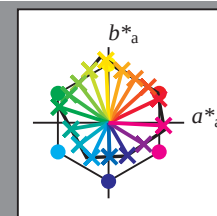
BAM registration: 20080701-De98/10/LJ98E00NP.PS/.PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

BAM material: code=rha4ta

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*rgb*			
01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	
02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.13	0.13	0.13
	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	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0		
	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	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	
03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.25	0.25	0.25
	0.0	0.13	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	0.13	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	0.25	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	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.25	0.25	0.25	
04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38
	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	0.13	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	0.38	0.38	0.38	0.38	
	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38
05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	0.0	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	0.13	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	0.5	0.5	0.5	0.5	
	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5
06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.63	0.63	0.63	0.63
	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	0.13	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	0.63	0.63	0.63	0.63	
	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	
07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	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	0.13	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	0.13	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	0.75	0.75	0.75	0.75	
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	
08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	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	0.88	0.88	0.88	0.88		
	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	0.13	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	0.88	0.88	0.88	0.88	
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.88	0.88	
09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0		
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	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	1.0	1.0	1.0	1.0	
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	1.0	1.0	1.0	
10	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0		
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0		
	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	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	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.07	0.07	0.07	0.07		
11	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	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.07	0.07	0.07	0.07	
	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.07	0.07	0.07		
12	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	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	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.13	0.13	0.13	
	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	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.13	0.13	0.13		
	0.25	0.25	0.25	0.25	0.25	0.2																																			

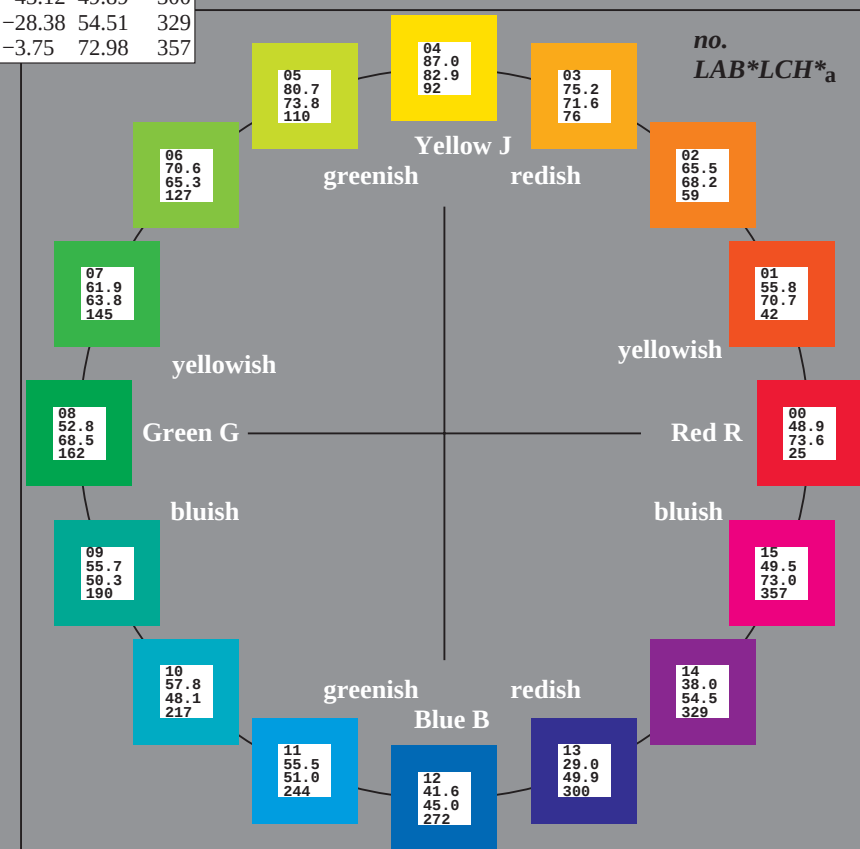
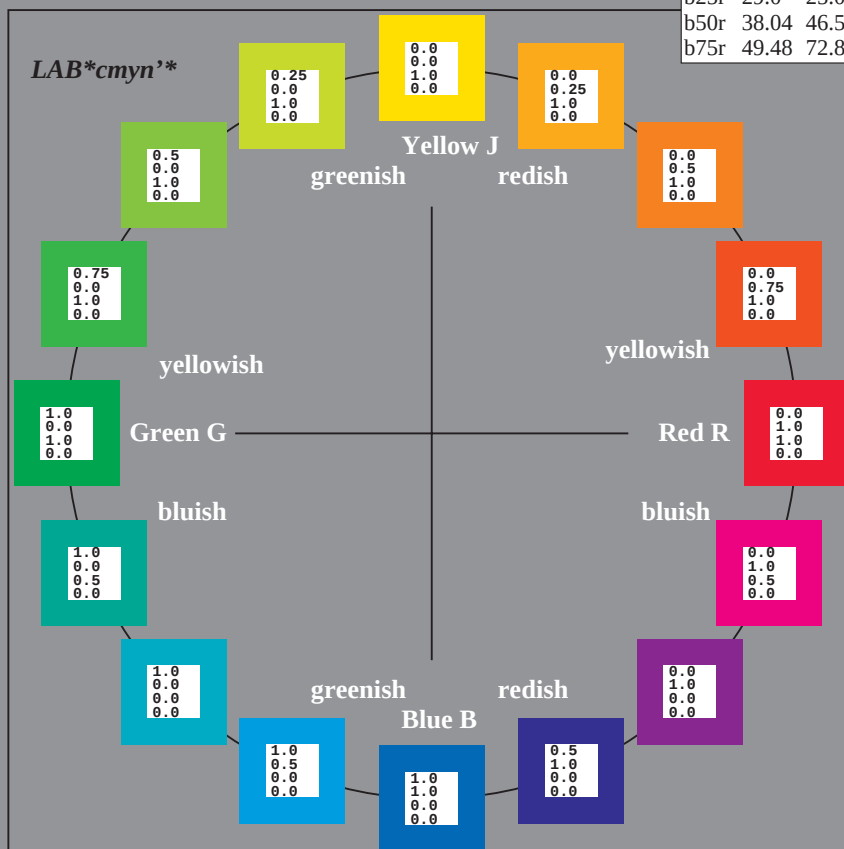
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
*u** = 16 hues *r00j*, *r25j*, ..., *b75r*
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



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

ORS19_96a; CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

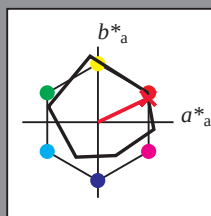
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data					
	$L^* = L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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 0.16

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

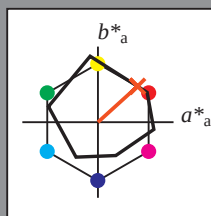
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	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

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

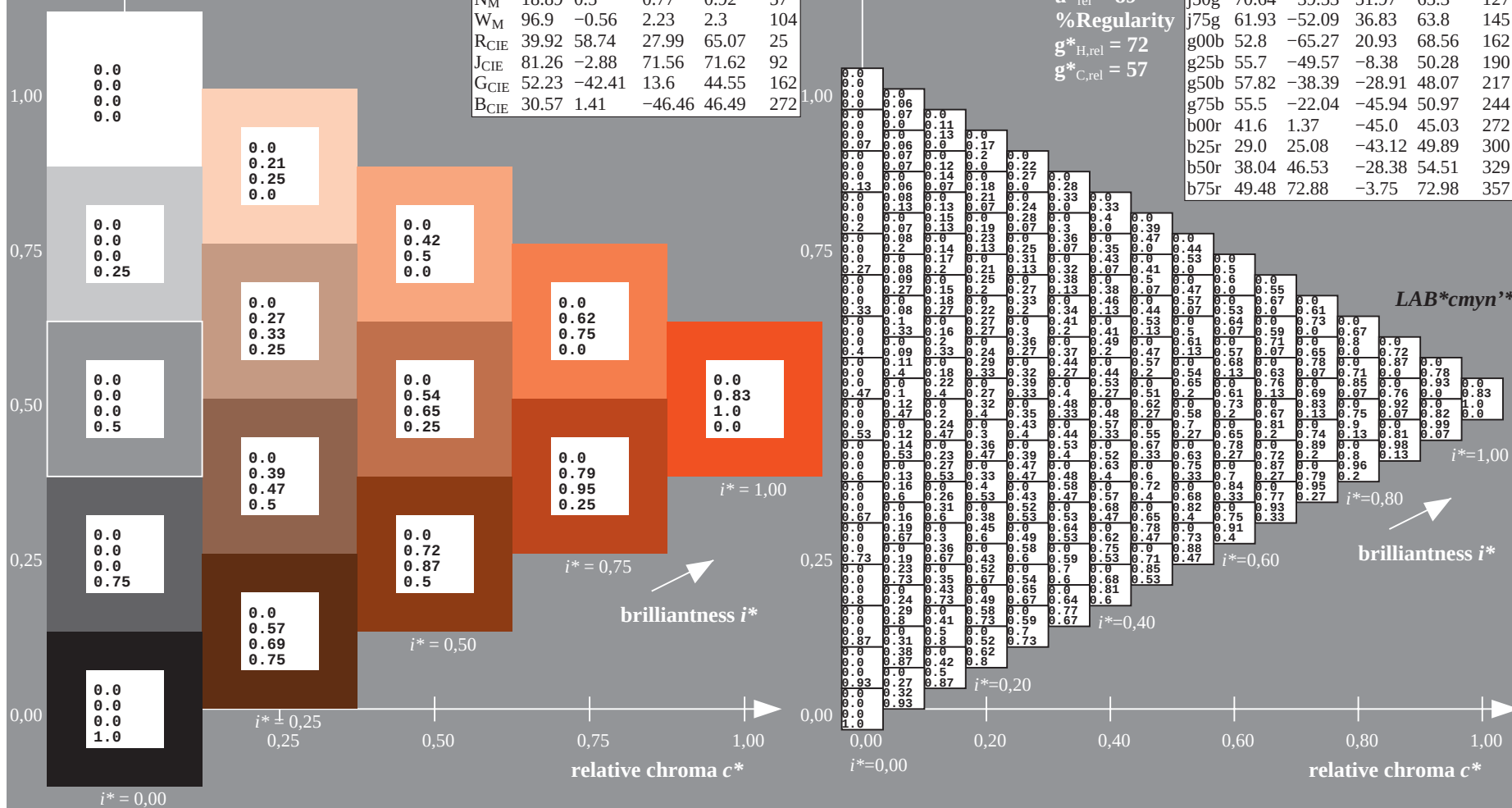
$g^*_{C,rel} = 57$

$u^* = r25j$

LAB^*cmyn^*

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

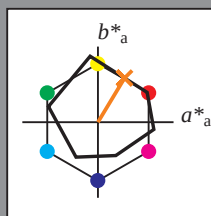
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
W _M	18.89	0.5	0.77	0.92	57
N _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 65 68 59

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

$lab^*olv^*_{Ma}$: 1.0 0.4 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

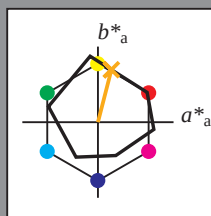
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 75 72 76

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

$lab^*olv^*_{Ma}$: 1.0 0.63 0.0

triangle lightness t^*

%Gamut

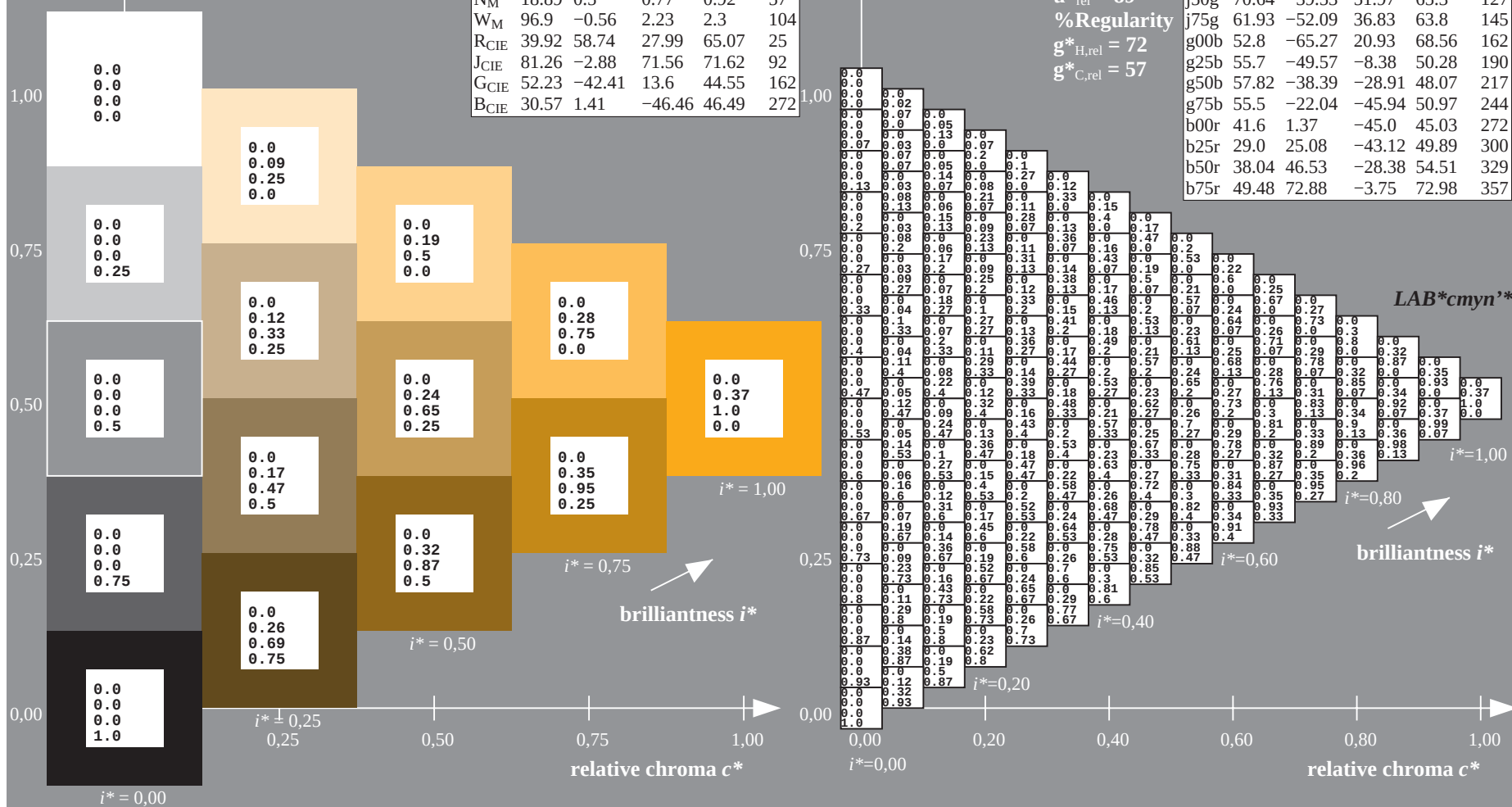
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

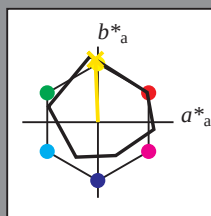
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -2 83

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

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

$lab^*olv^*_{Ma}$: 1.0 0.91 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

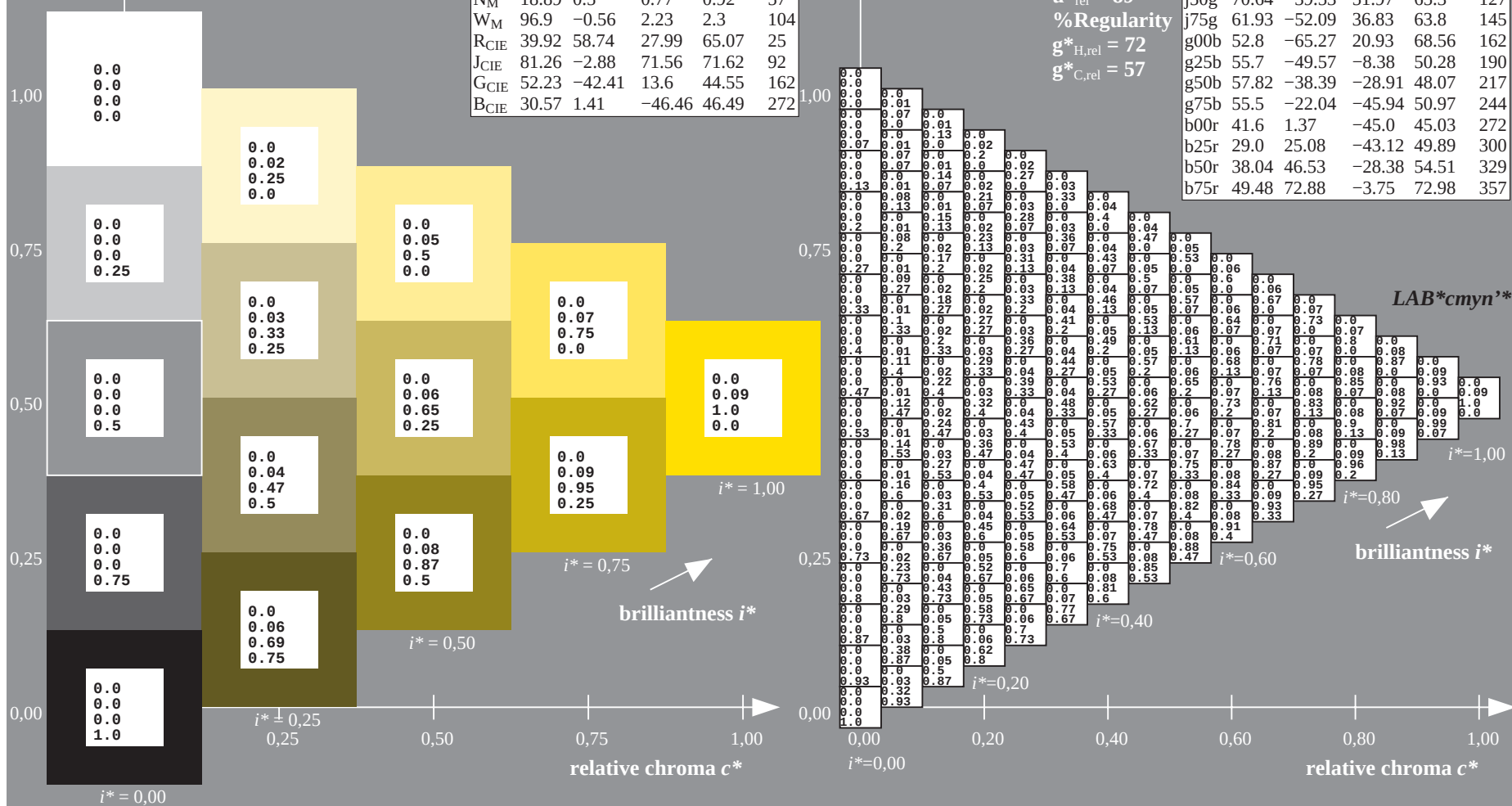
$g^*_{C,rel} = 57$

$u^* = j00g$

LAB^*cmyn^*

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

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

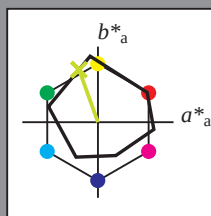
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 81 -24 69

$LAB^*LCH^*_{Ma}$: 81 74 110

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

$lab^*olv^*_{Ma}$: 0.73 1.0 0.0

triangle lightness t^*

%Gamut

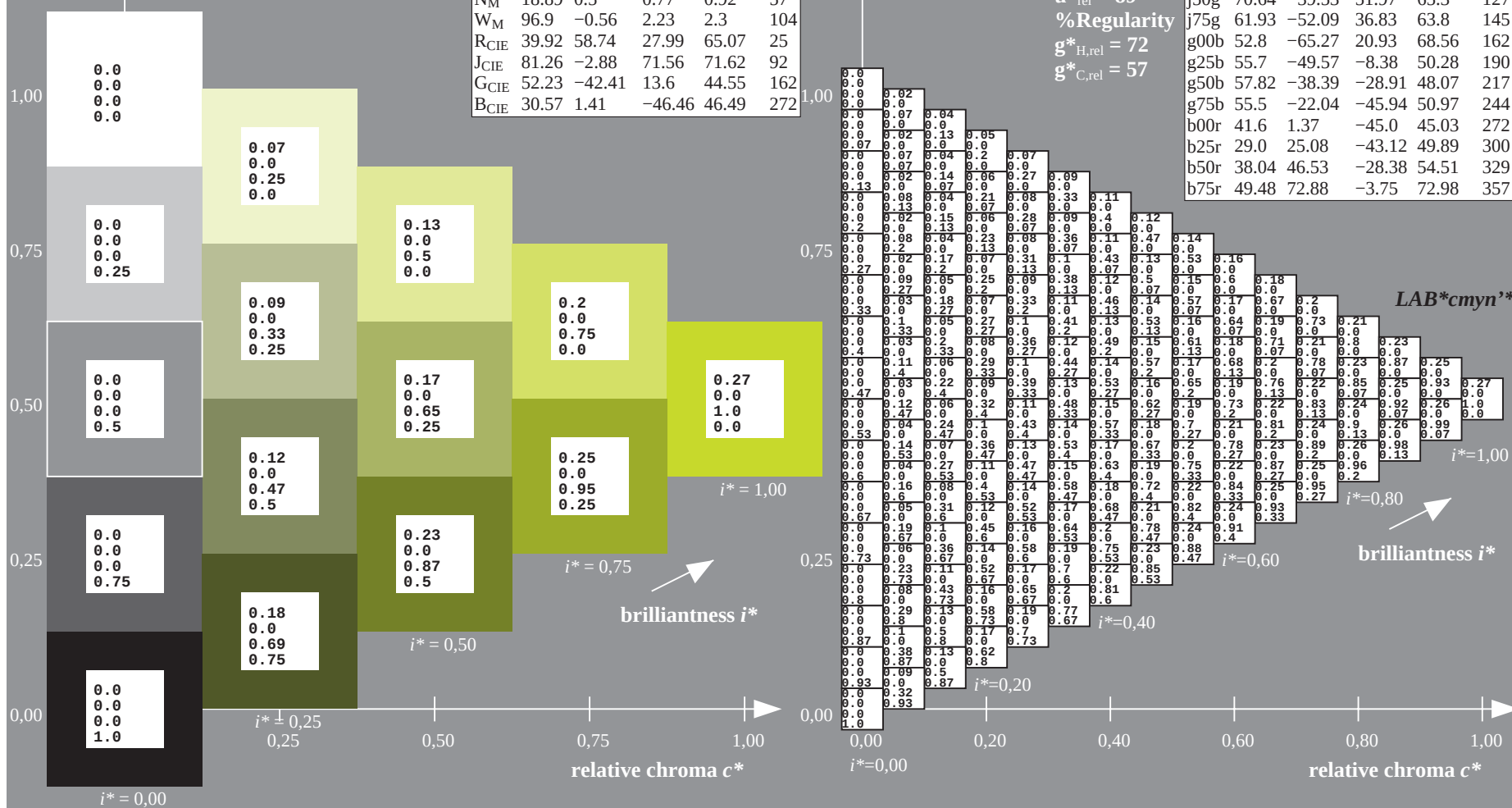
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

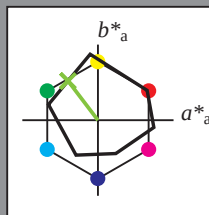


See for similar files: <http://www.ps.bam.de/De98/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSp=1

BAM registration: 20080701-De98/10L/L98E00NP.PS/.PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$ data for any colour: Data for maximum colour (Ma):

*lab*tch** and *lab*icu**
elementary hue text:
 $u^* = j50g$
contrast reduction factor
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	16
C _M	59.61	-29.03	-44.68	53.3	23
V _M	28.39	24.0	-43.17	49.4	29
M _M	49.58	74.01	-0.21	74.47	35
N _M	18.89	0.5	8.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	10
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	16
B _{CIE}	30.57	1.41	-46.46	46.49	27

Data for maximum colour (Ma):

$LAB*LAB*_{Ma}: 71 \quad -39 \quad 52$

LAB*LCH*Ma: 71 65 127

lab*rqb*_Ma: 0.5 1.0 0.0

lab*olv*Ma: 0.47 1.0 0.0

triangle lightness t^*

▲

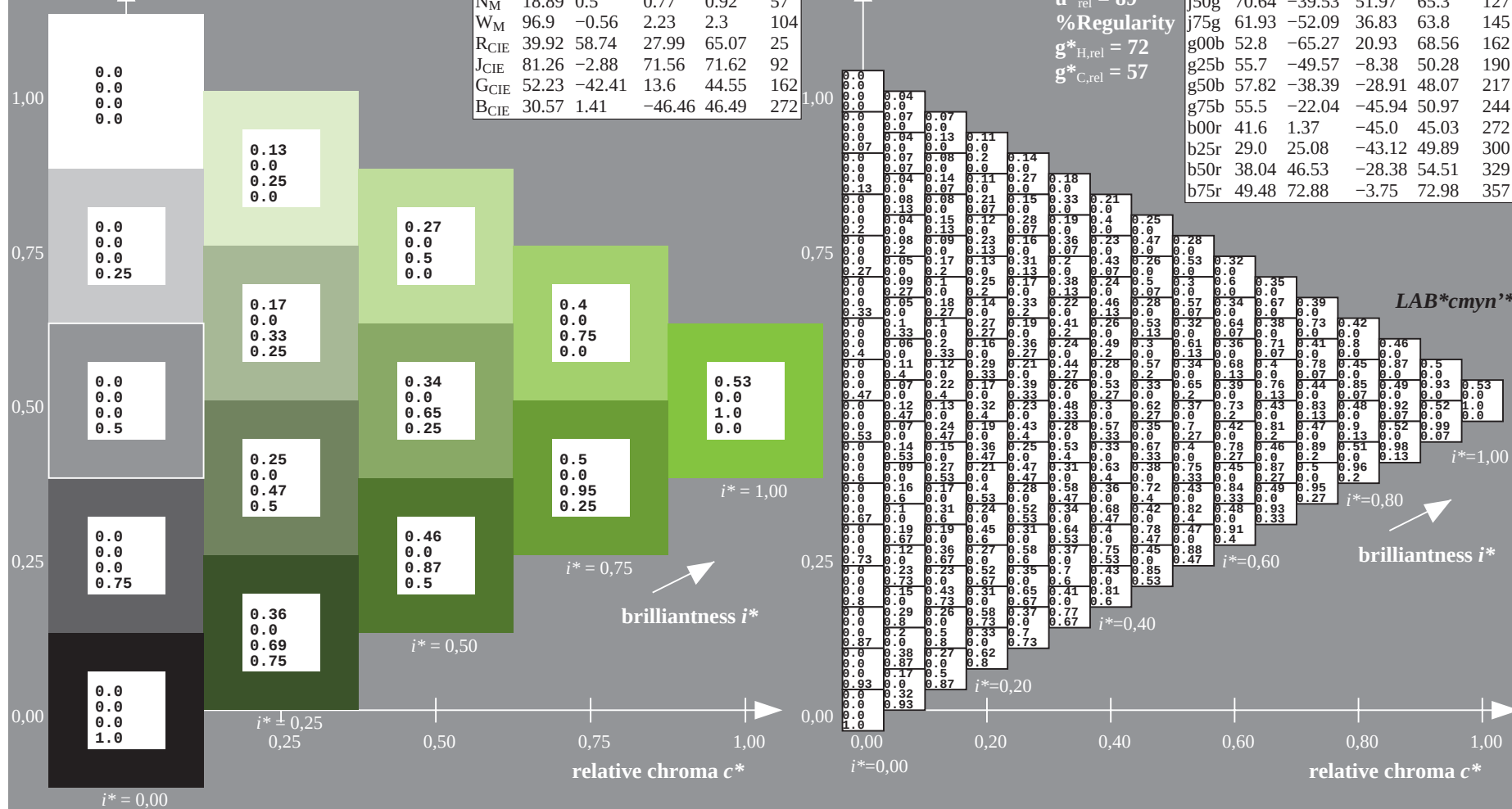
%Gamut

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

%Regularity

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

ORS19_96a; adapted (a) CIELAB data						
	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	-3.34	82.83	82.9	92	
j25g	80.72	-25.0	69.5	73.86	110	
j50g	70.64	-39.53	51.97	65.3	127	
j75g	61.93	-52.09	36.83	63.8	145	
g00b	52.8	-65.27	20.93	68.56	162	
g25b	55.7	-49.57	-8.38	50.28	190	
g50b	57.82	-38.39	-28.91	48.07	217	
g75b	55.5	-22.04	-45.94	50.97	244	
b00r	41.6	1.37	-45.0	45.03	272	
b25r	29.0	25.08	-43.12	49.89	300	
b50r	38.04	46.53	-28.38	54.51	329	
b75r	49.48	72.88	-3.75	72.98	357	



BAM-test chart De98; Colorimetric systems, Page 170/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmyn5* setcmykcolor
```


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

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

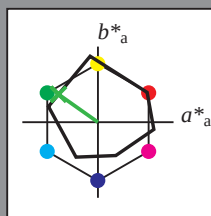
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 62 -51 37

$LAB^*LCH^*_{Ma}$: 62 64 145

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

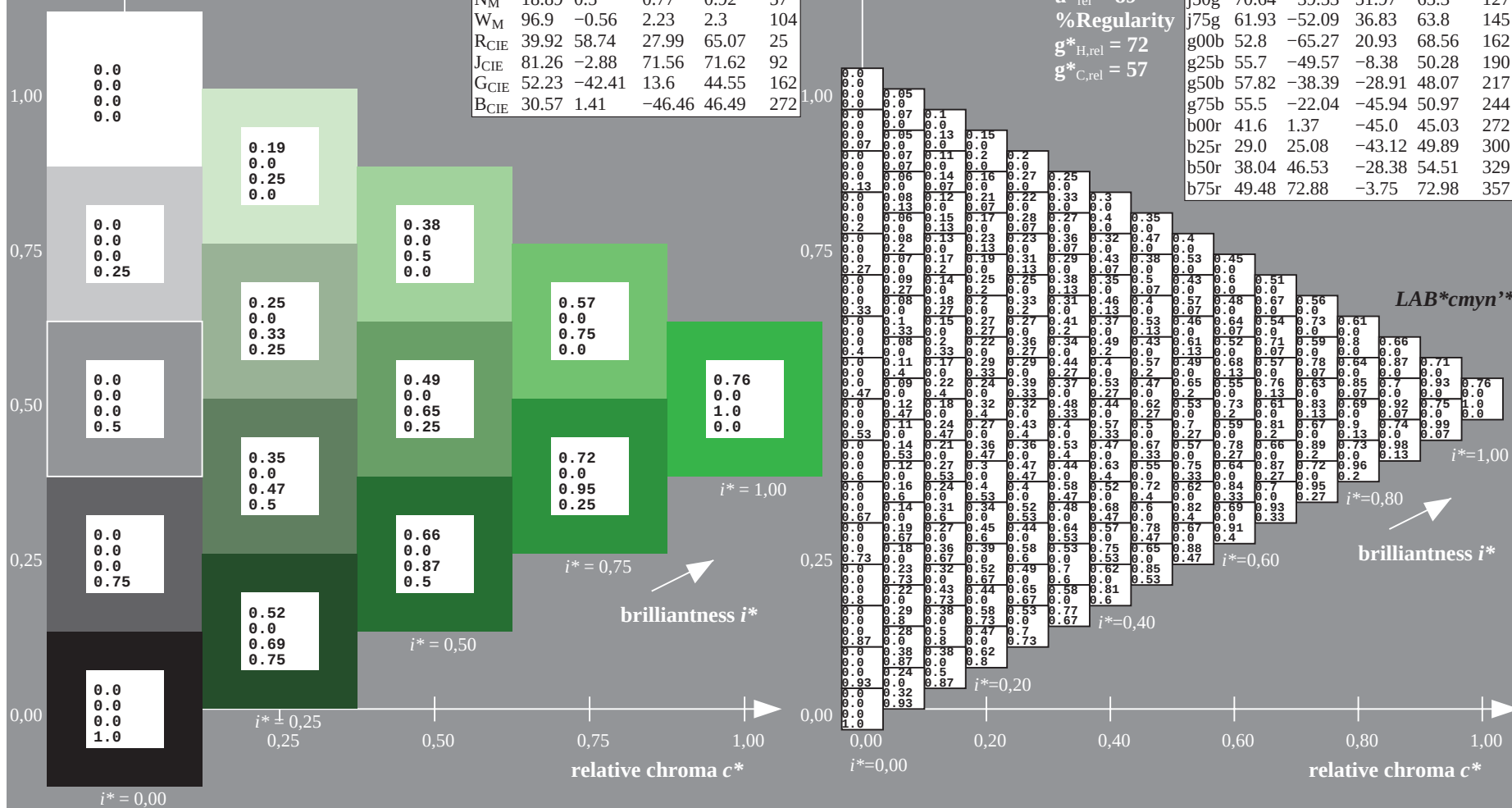
$g^*_{C,rel} = 57$

$u^* = j75g$

LAB^*cmyn^*

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

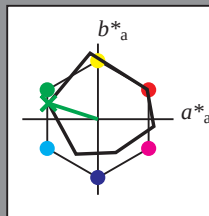
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -64 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

$u^*_{rel} = 89$

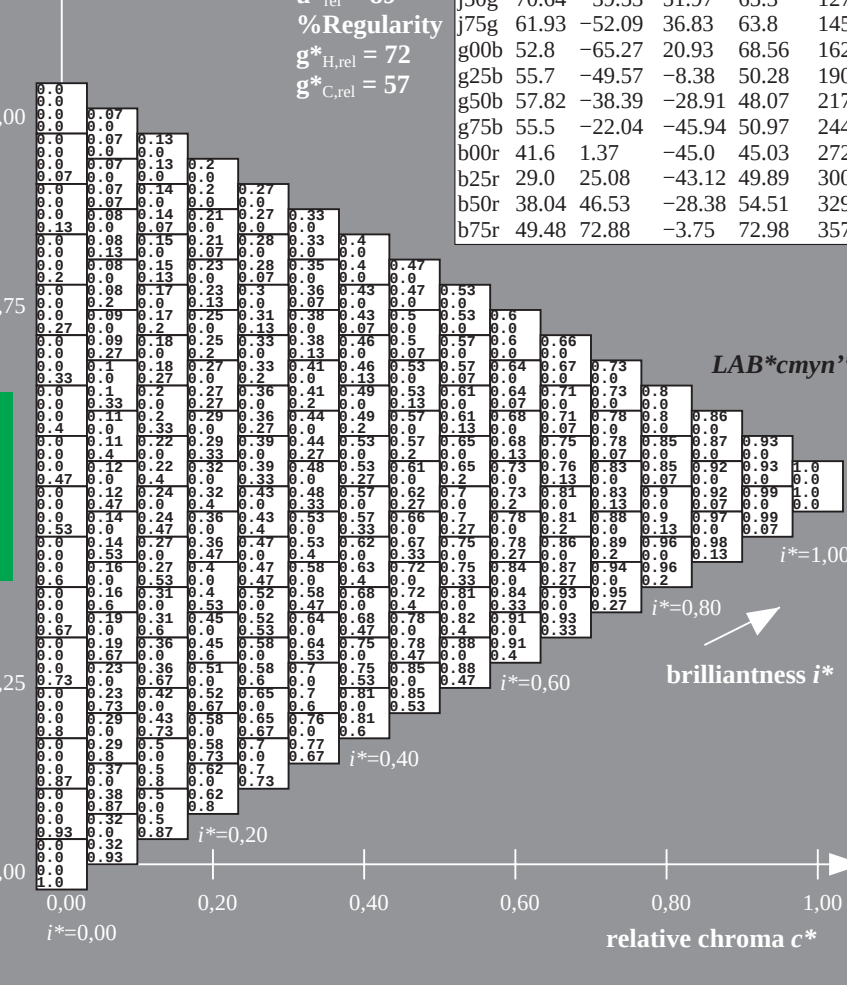
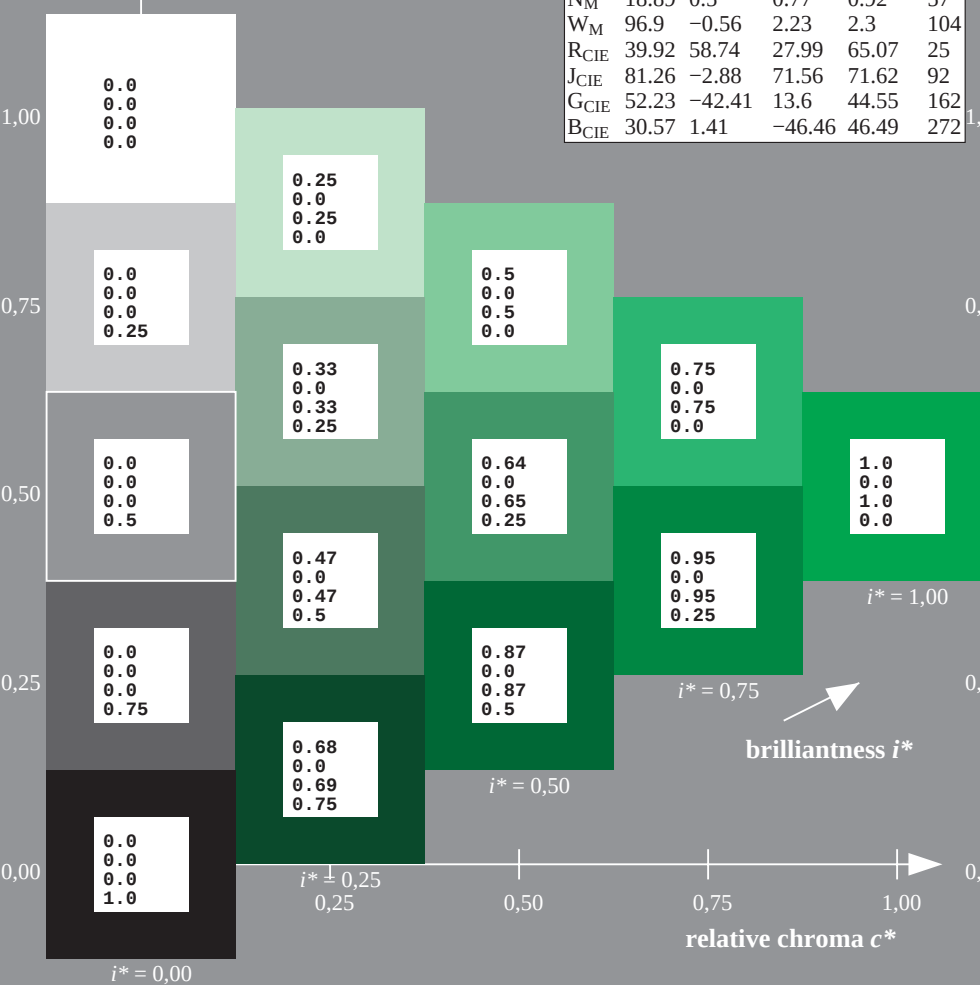
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

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

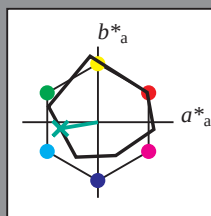
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -49 -7

$LAB^*LCH^*_{Ma}$: 56 50 190

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

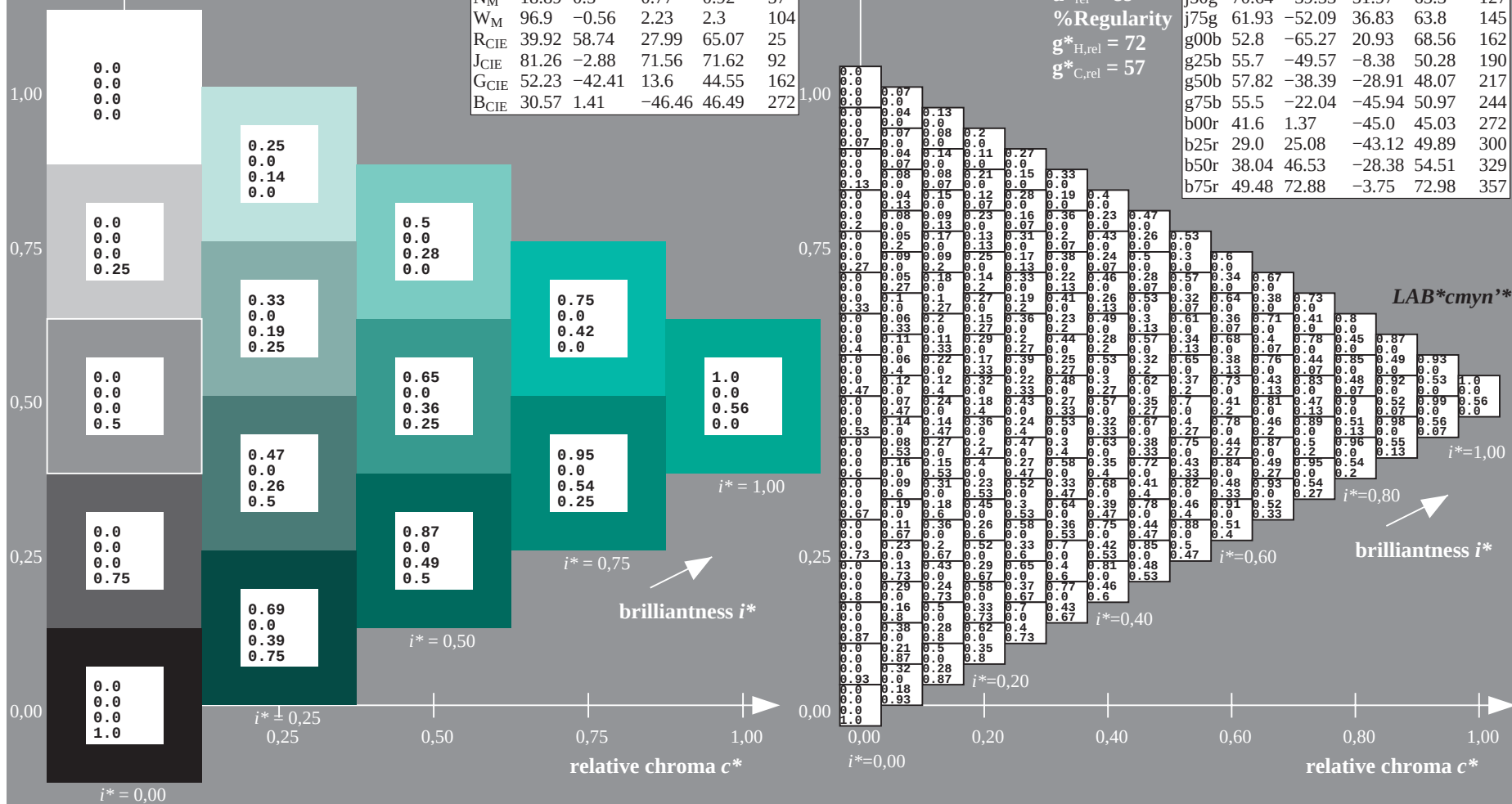
$g^*_{C,rel} = 57$

$u^* = g25b$

LAB^*cmyn^*

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

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

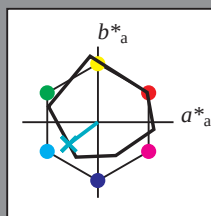
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 -37 -28

$LAB^*LCH^*_{Ma}$: 58 48 217

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.74

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

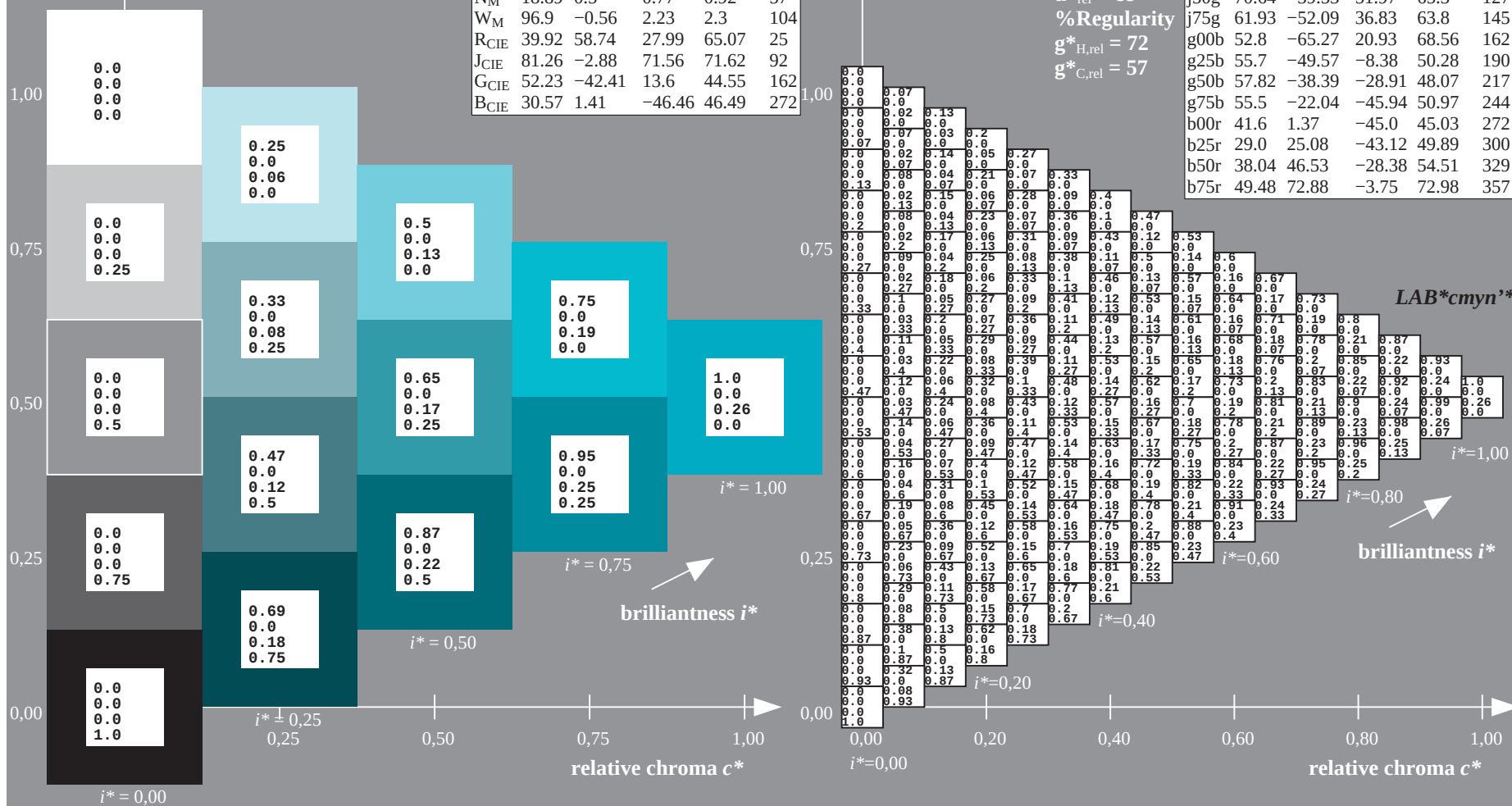
$g^*_{C,rel} = 57$

$u^* = g50b$

LAB^*cmyn^*

ORS19_96a; adapted (a) CIELAB data

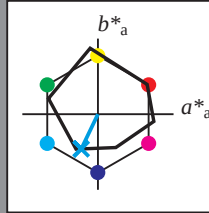
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 244/360 = 0.679$ data for any colour: Data for maximum colour (Ma):

*lab*tch** and *lab*icu**
elementary hue text:

$u^* = g75b$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
	$L^* = \bar{L}^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	48.75	65.16	40.76	76.86	32	97
Y _M	90.92	-10.77	89.36	90.01	97	32
L _M	52.69	-65.39	22.15	69.05	16	233
C _M	59.61	-29.03	-44.68	53.3	233	16
V _M	28.39	24.0	-43.17	49.4	299	16
M _M	49.58	74.01	-8.21	74.47	354	16
N _M	18.89	0.5	0.77	0.92	57	104
W _M	96.9	-0.56	2.23	2.3	104	25
R _{CIE}	39.92	58.74	27.99	65.07	25	92
J _{CIE}	81.26	-2.88	71.56	71.62	92	25
G _{CIE}	52.23	-42.41	13.6	44.55	16	277
B _{CIE}	30.57	1.41	-46.46	46.49	277	16

Data for maximum colour (Ma):

*LAB*LAB*_{Ma}: 55 -21 -45

LAB*LCH*_Ma: 55 51 244

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

lab*olv*_{Ma}: 0.0 0.87 1.0

triangle lightness t^*

%Gamut

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

%Regularity

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

ORS19_96a; adapted (a) CIELAB data						
	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	-3.34	82.83	82.9	92	
j25g	80.72	-25.0	69.5	73.86	110	
j50g	70.64	-39.53	51.97	65.3	127	
y75g	61.93	-52.09	36.83	63.8	145	
g00b	52.8	-65.27	20.93	68.56	162	
g25b	55.7	-49.57	-8.38	50.28	190	
g50b	57.82	-38.39	-28.91	48.07	217	
g75b	55.5	-22.04	-45.94	50.97	244	
b00r	41.6	1.37	-45.0	45.03	272	
b25r	29.0	25.08	-43.12	49.89	300	
b50r	38.04	46.53	-28.38	54.51	329	
b75r	49.48	72.88	-3.75	72.98	357	

*LAB*cmyn'**

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

0.2

 $i^* = 0,80$

brilliant

0,80

Relative chrom



BAM-test chart De98; Colorimetric systems, Page 175/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmyn5* setcmykcolor
```

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

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

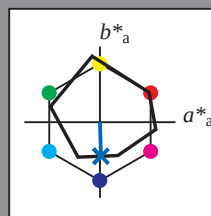
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 1 -44

$LAB^*LCH^*_{Ma}$: 42 45 272

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

LAB^*cmyn^*

brilliantness i^*

$i^* = 1.00$

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

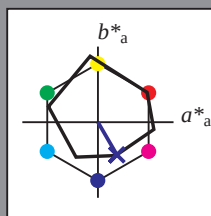
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 25 -42

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

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

$lab^*olv^*_{Ma}$: 0.03 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

$u^* = b25r$

LAB^*cmyn^*

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

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

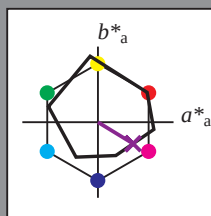
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 47 -27

$LAB^*LCH^*_{Ma}$: 38 55 329

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

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

triangle lightness t^*

%Gamut

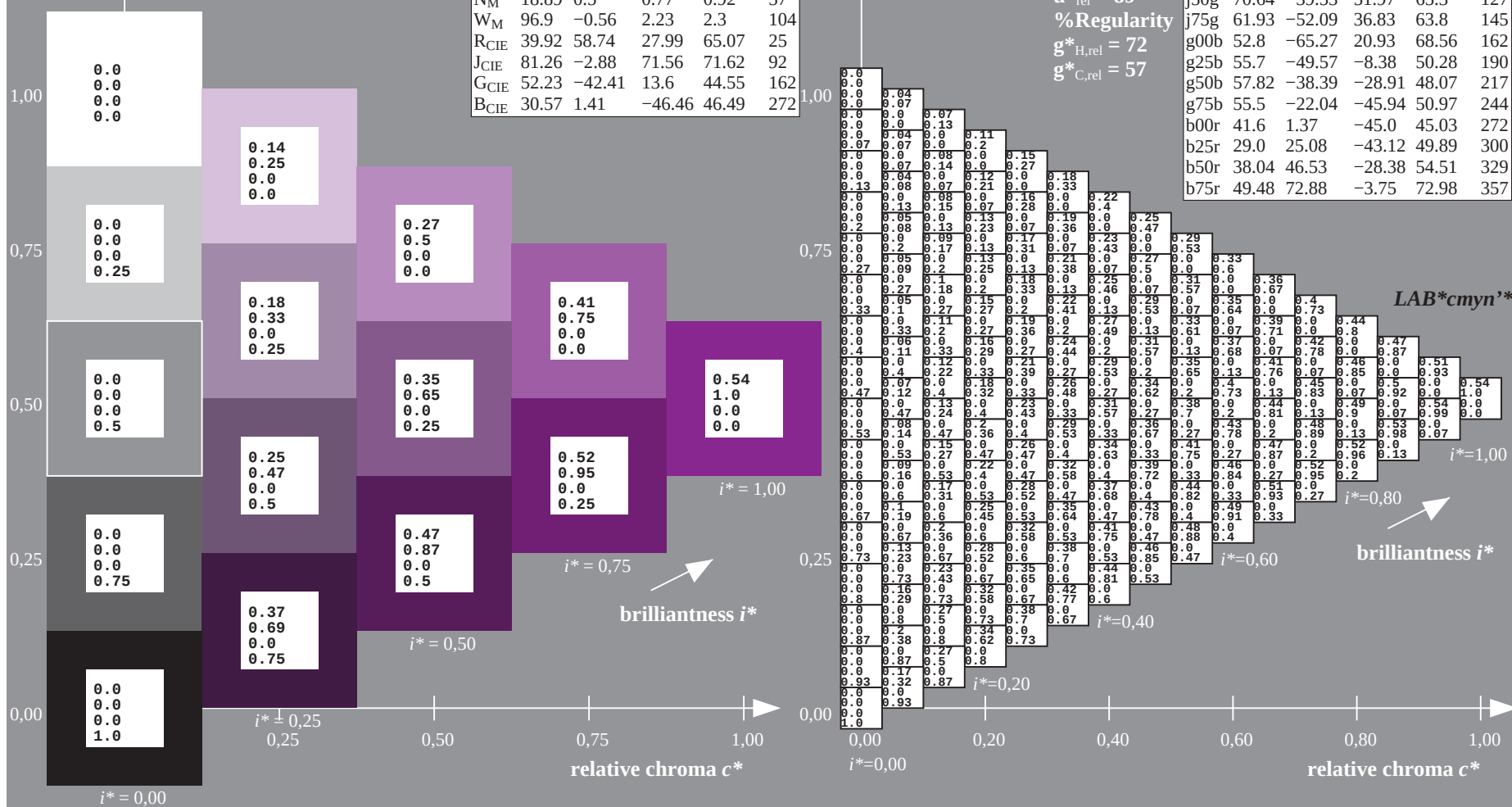
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

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

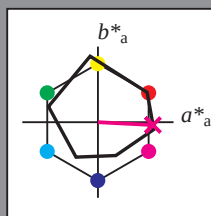
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data					
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.56	2.23	2.3	104
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 73 -3

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

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.88

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	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	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	65.3	127
j75g	61.93	-52.09	36.83	63.8	145
g00b	52.8	-65.27	20.93	68.56	162
g25b	55.7	-49.57	-8.38	50.28	190
g50b	57.82	-38.39	-28.91	48.07	217
g75b	55.5	-22.04	-45.94	50.97	244
b00r	41.6	1.37	-45.0	45.03	272
b25r	29.0	25.08	-43.12	49.89	300
b50r	38.04	46.53	-28.38	54.51	329
b75r	49.48	72.88	-3.75	72.98	357

LAB^*cmyn^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

BAM material: code=rha4ta

[illegible]

BAM-test chart De98; Colorimetric systems, Page 180/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmyn5* setcmykcolor
```

See for similar files: <http://www.ps.bam.de/De98/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx

Version 2.1, io=1,1, ColSpx=1