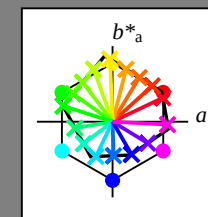


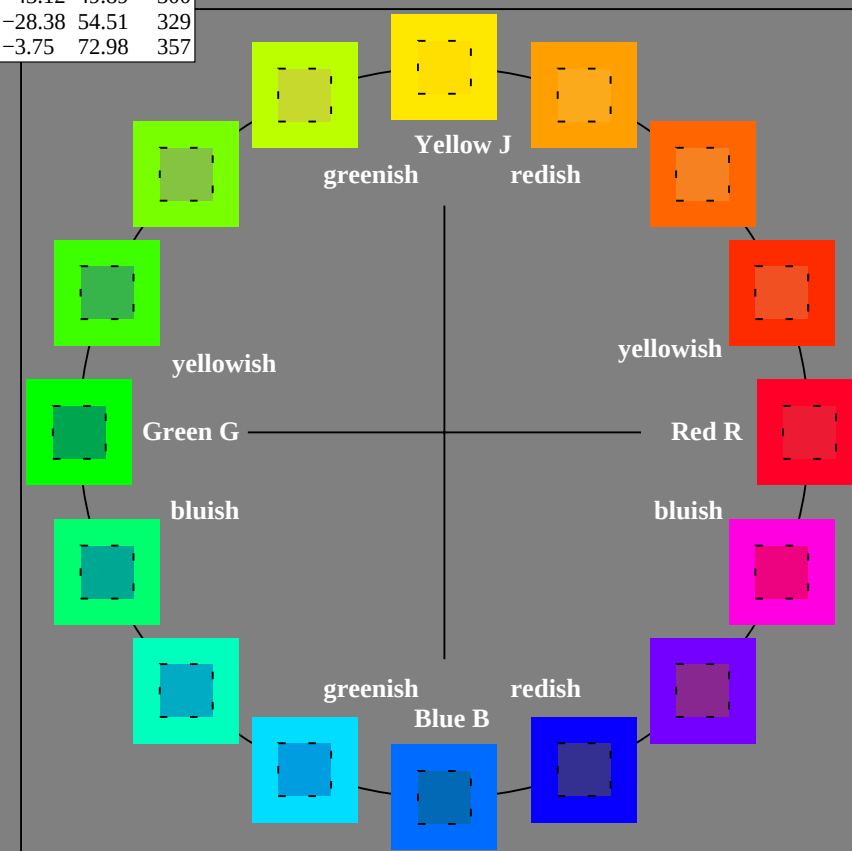
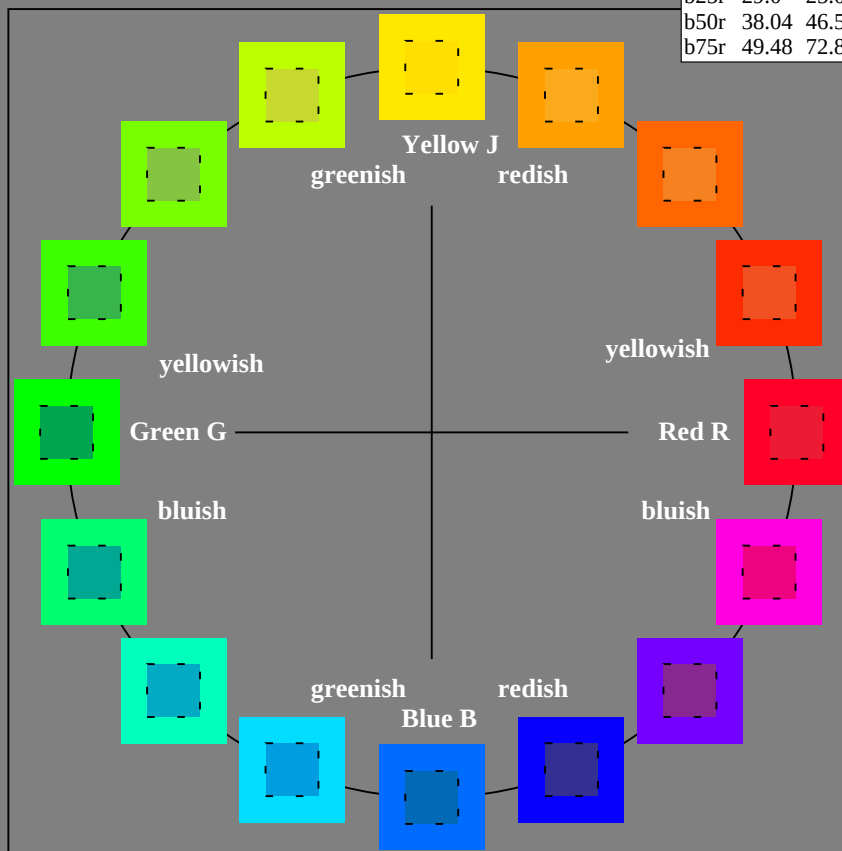
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

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^*

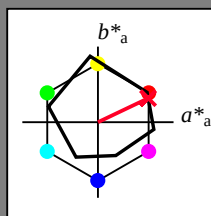
elementary hue text:

$u^* = r00j$

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

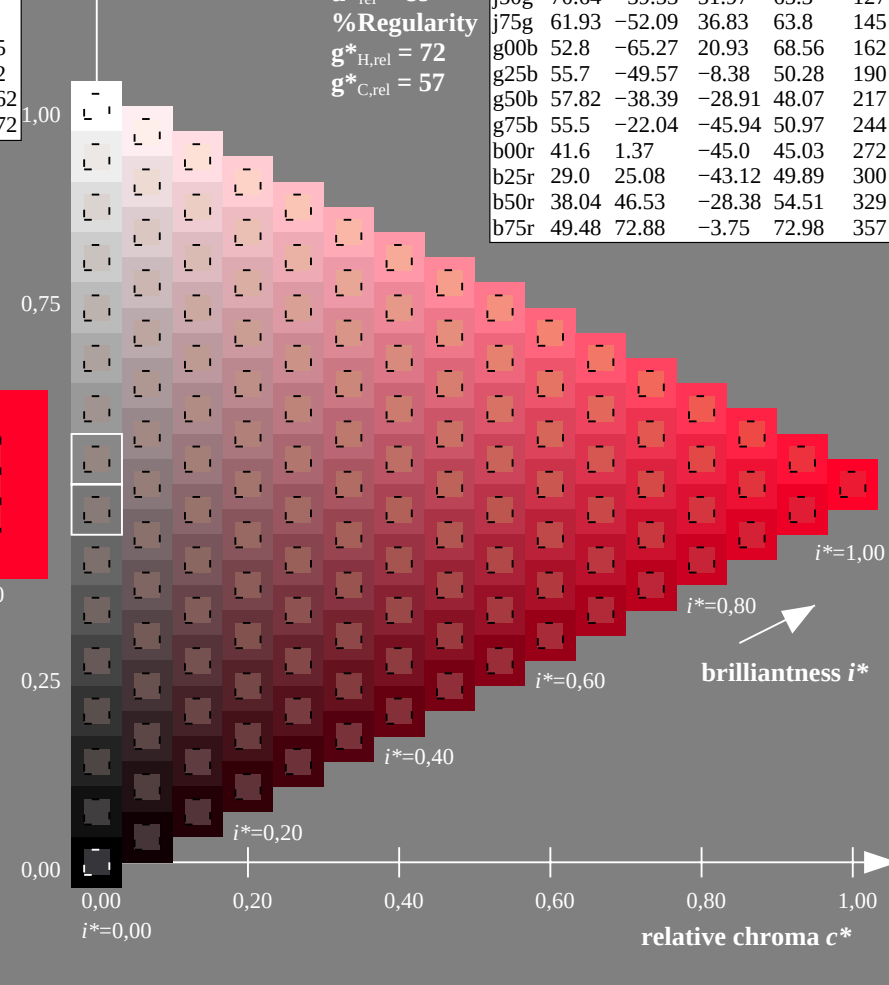
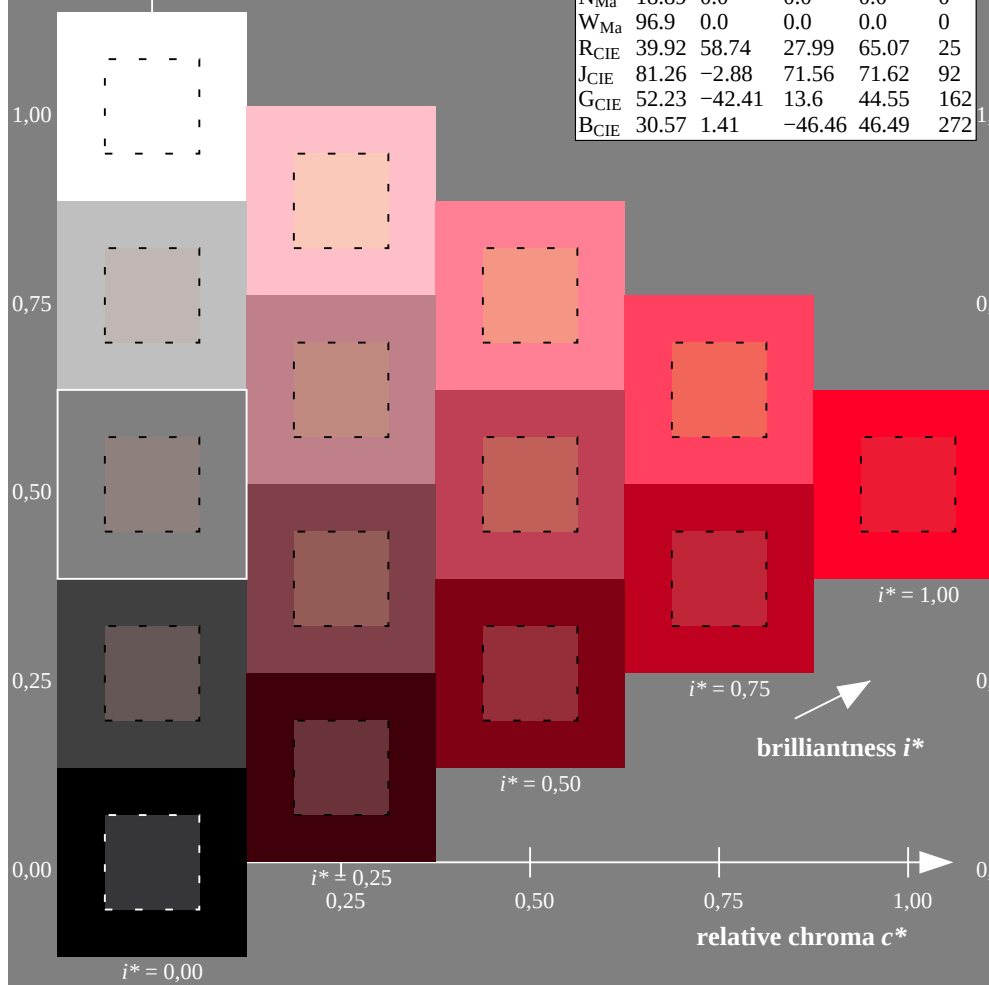
$u^*_{rel} = 89$

%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^*

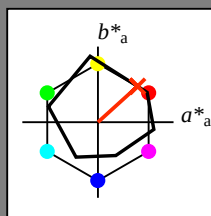
elementary hue text:

$u^* = r25j$

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

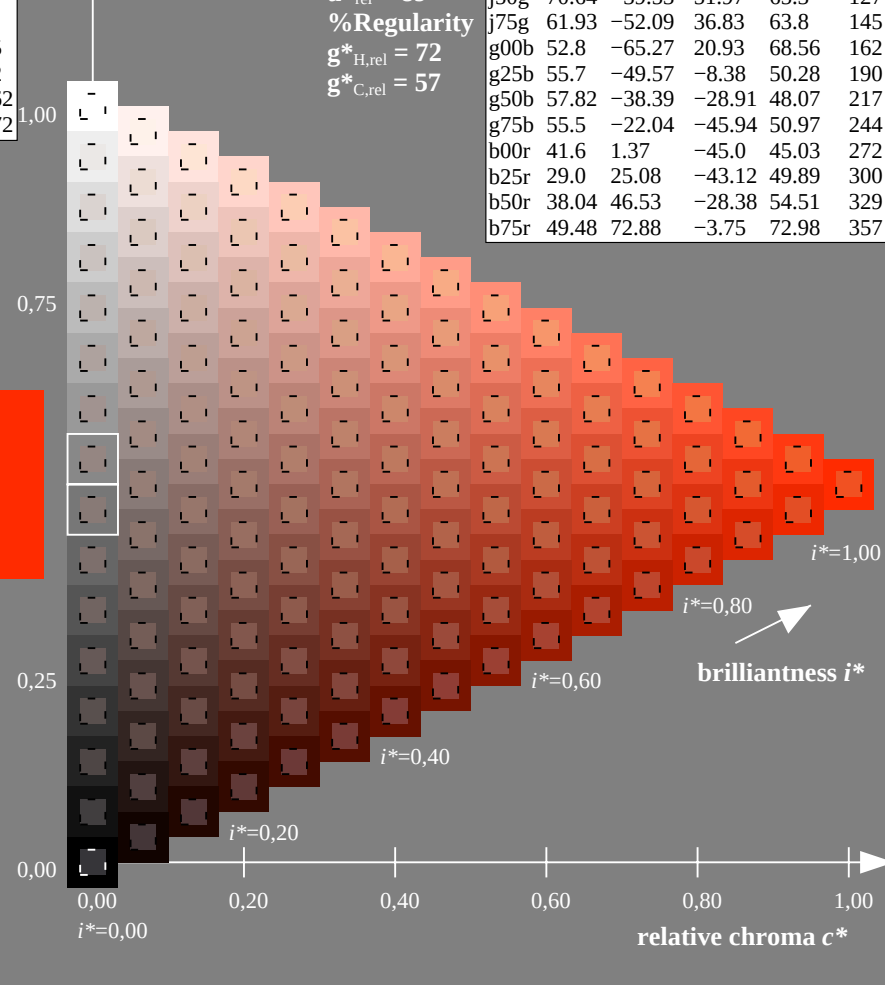
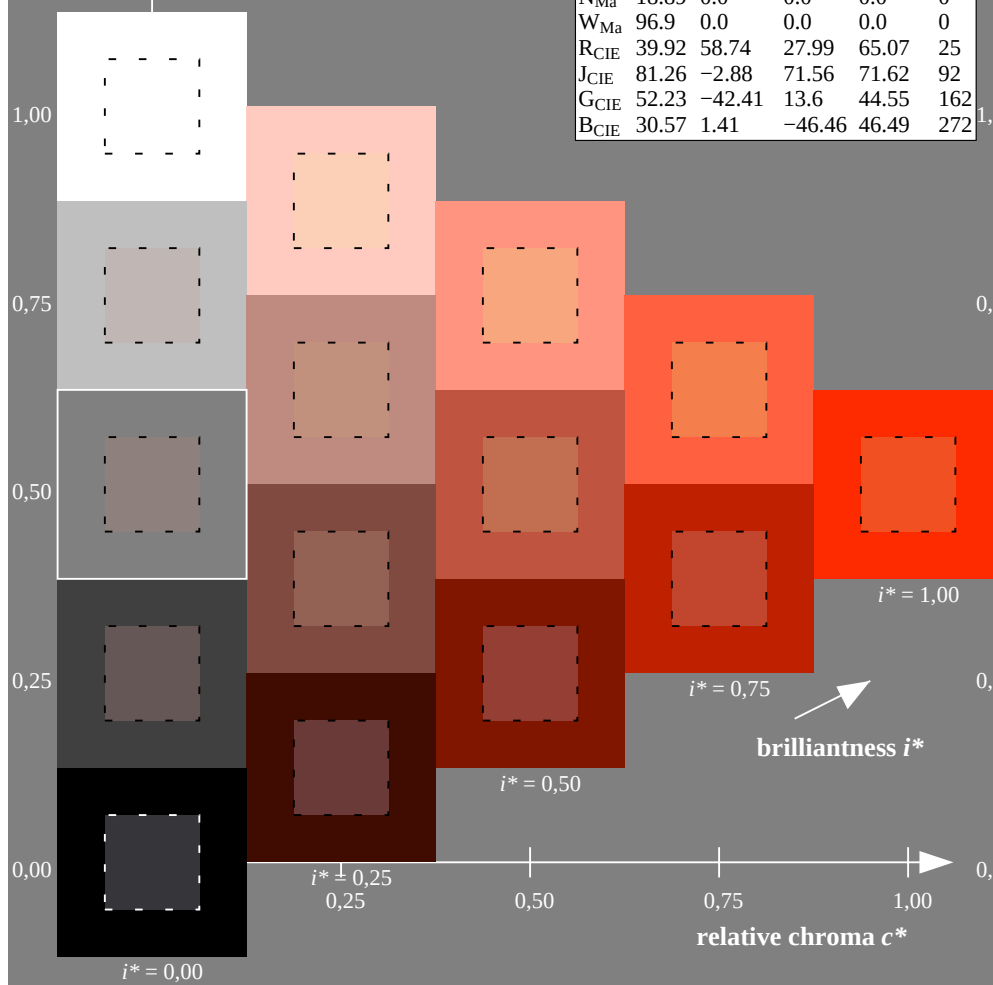
$u^*_{rel} = 89$

%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 $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

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

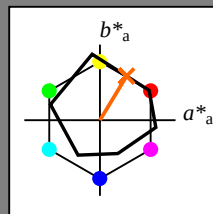
elementary hue text:

$u^* = r50j$

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

$u^*_{rel} = 89$

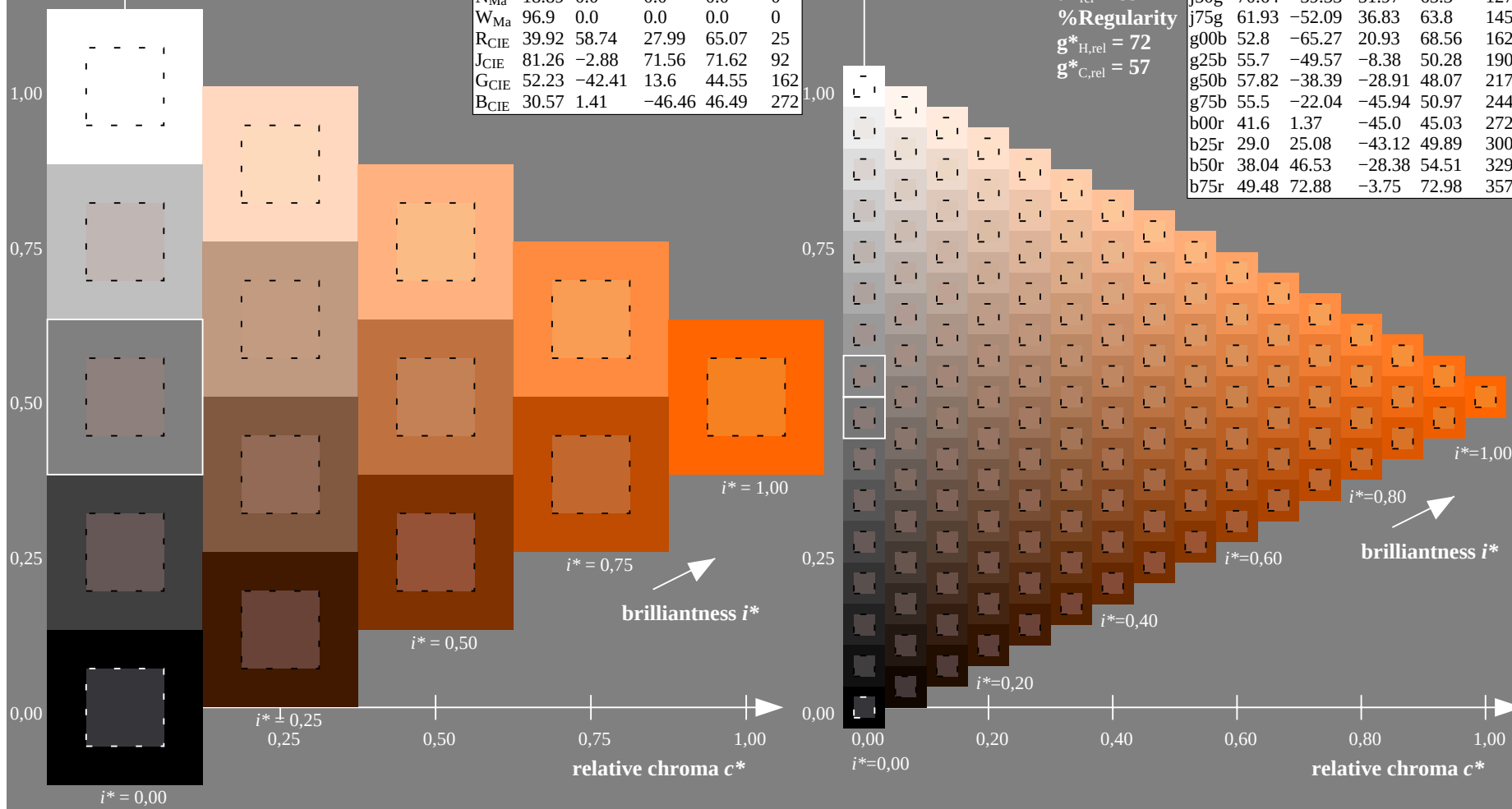
%Regularity

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

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

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^*

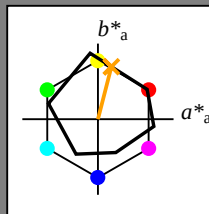
elementary hue text:

$u^* = r75j$

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

$u^*_{rel} = 89$

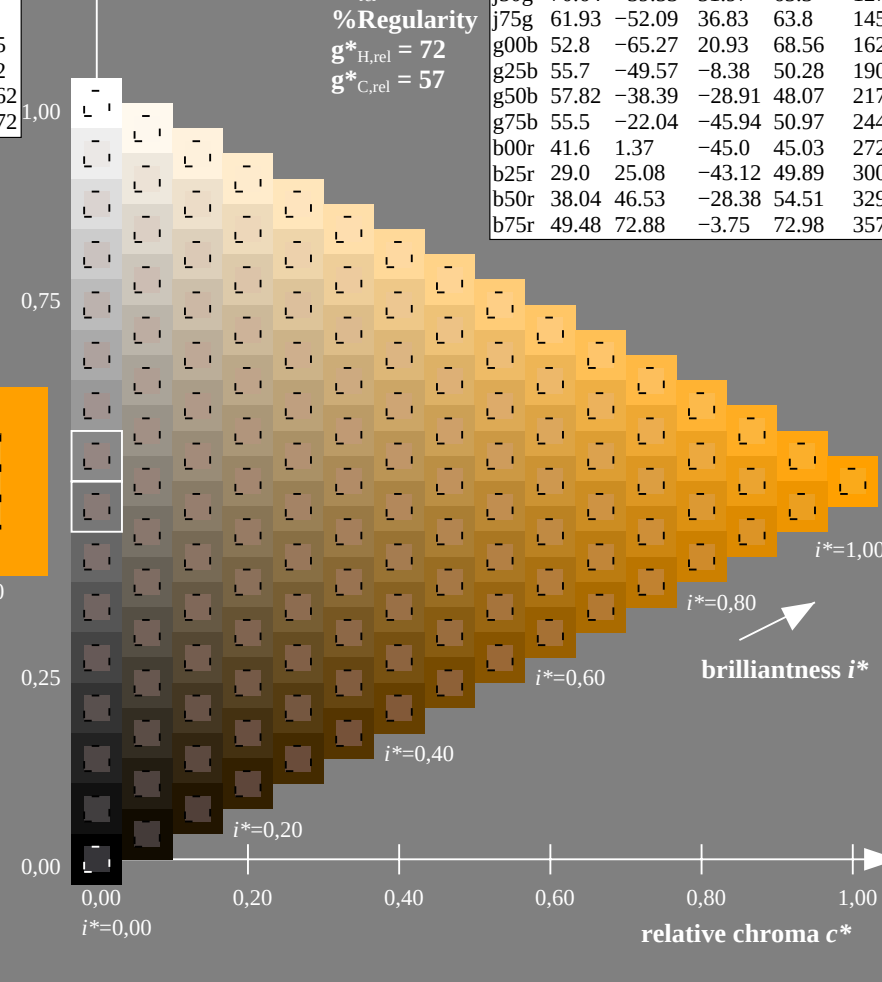
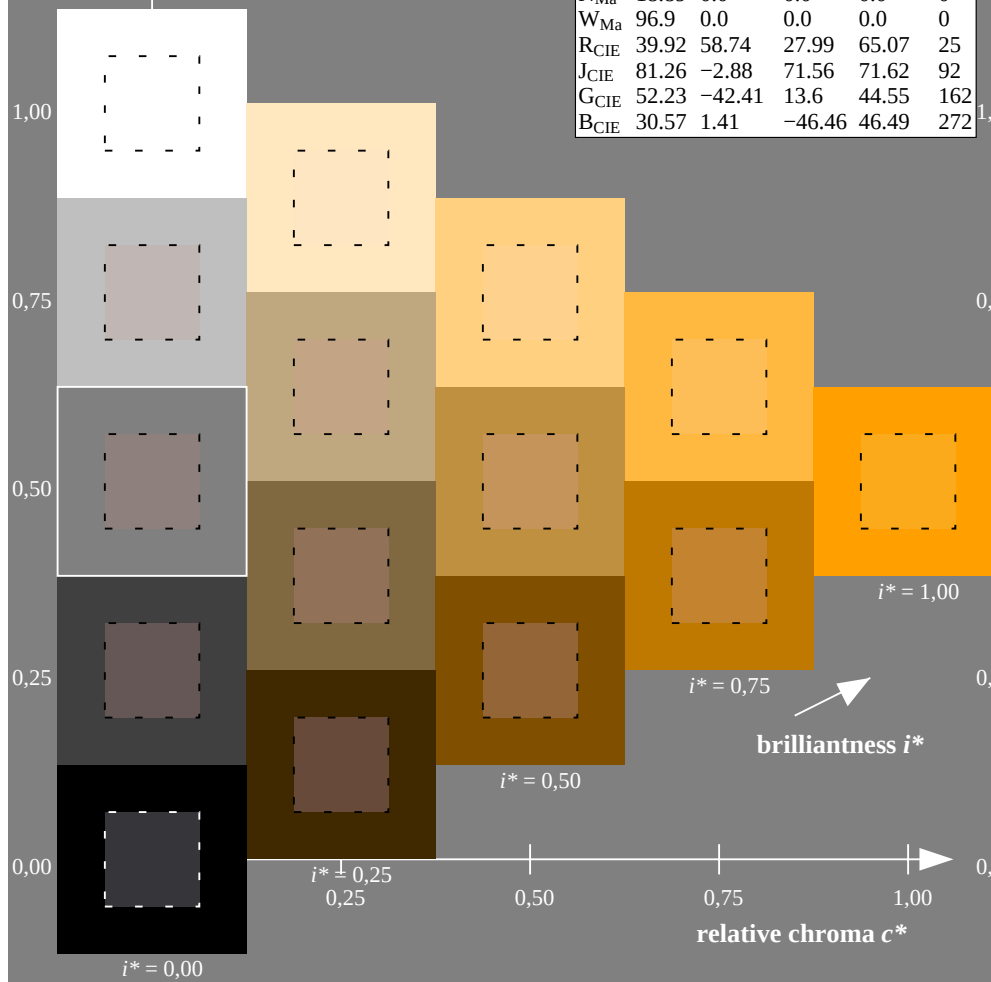
%Regularity

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

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

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:

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

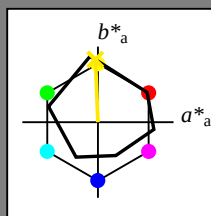
elementary hue text:

$u^* = j00g$

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

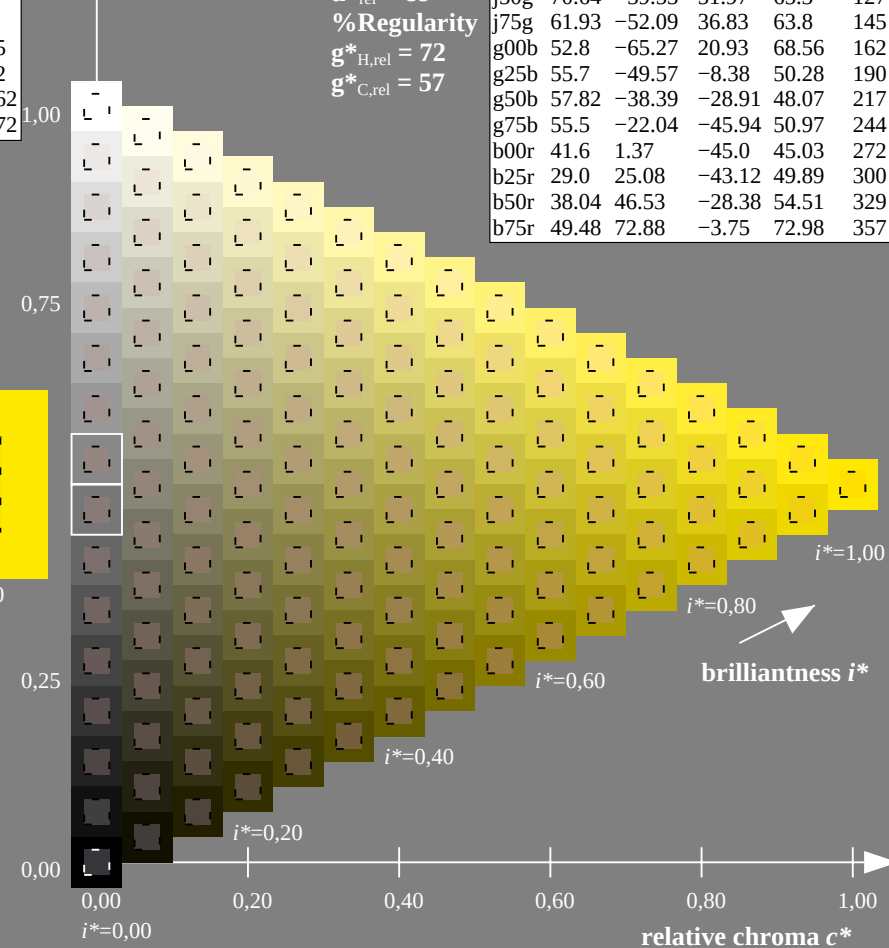
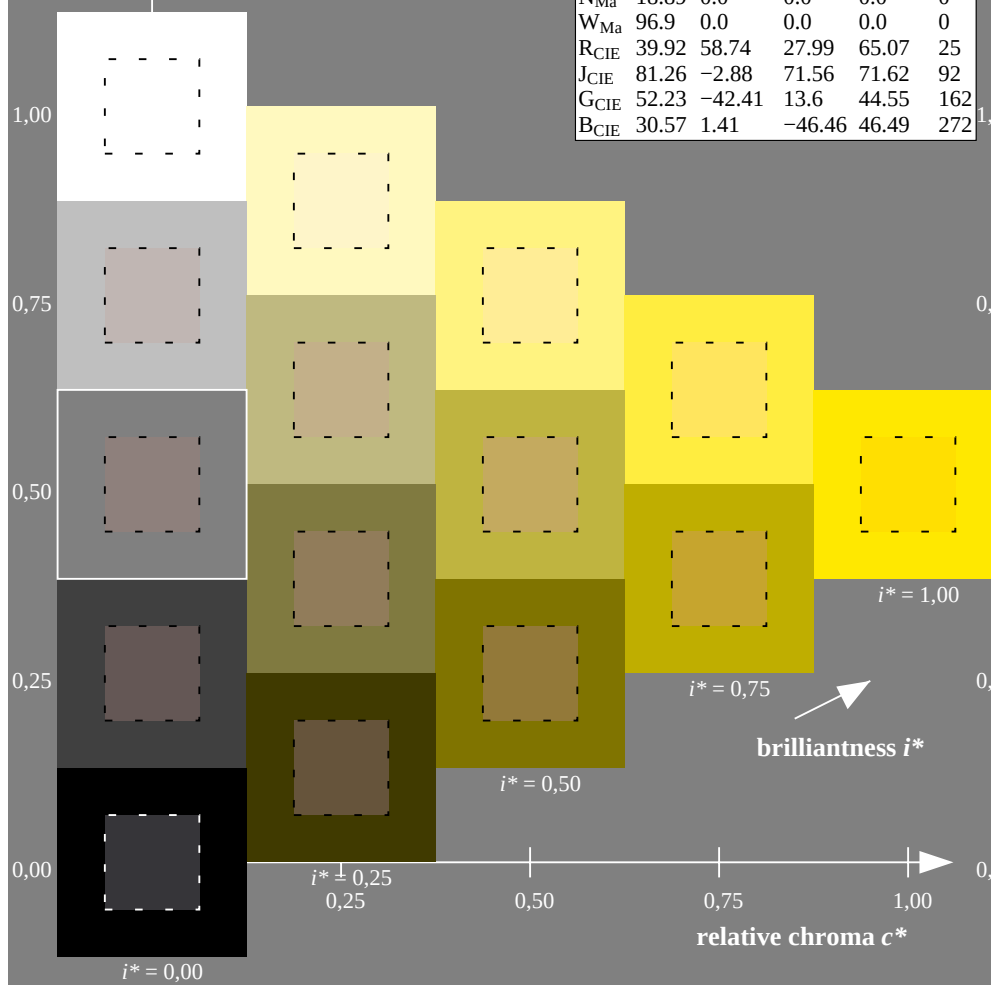
$u^*_{rel} = 89$

%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^*

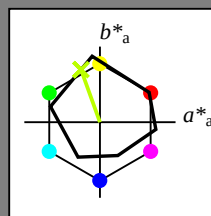
elementary hue text:

$u^* = j25g$

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

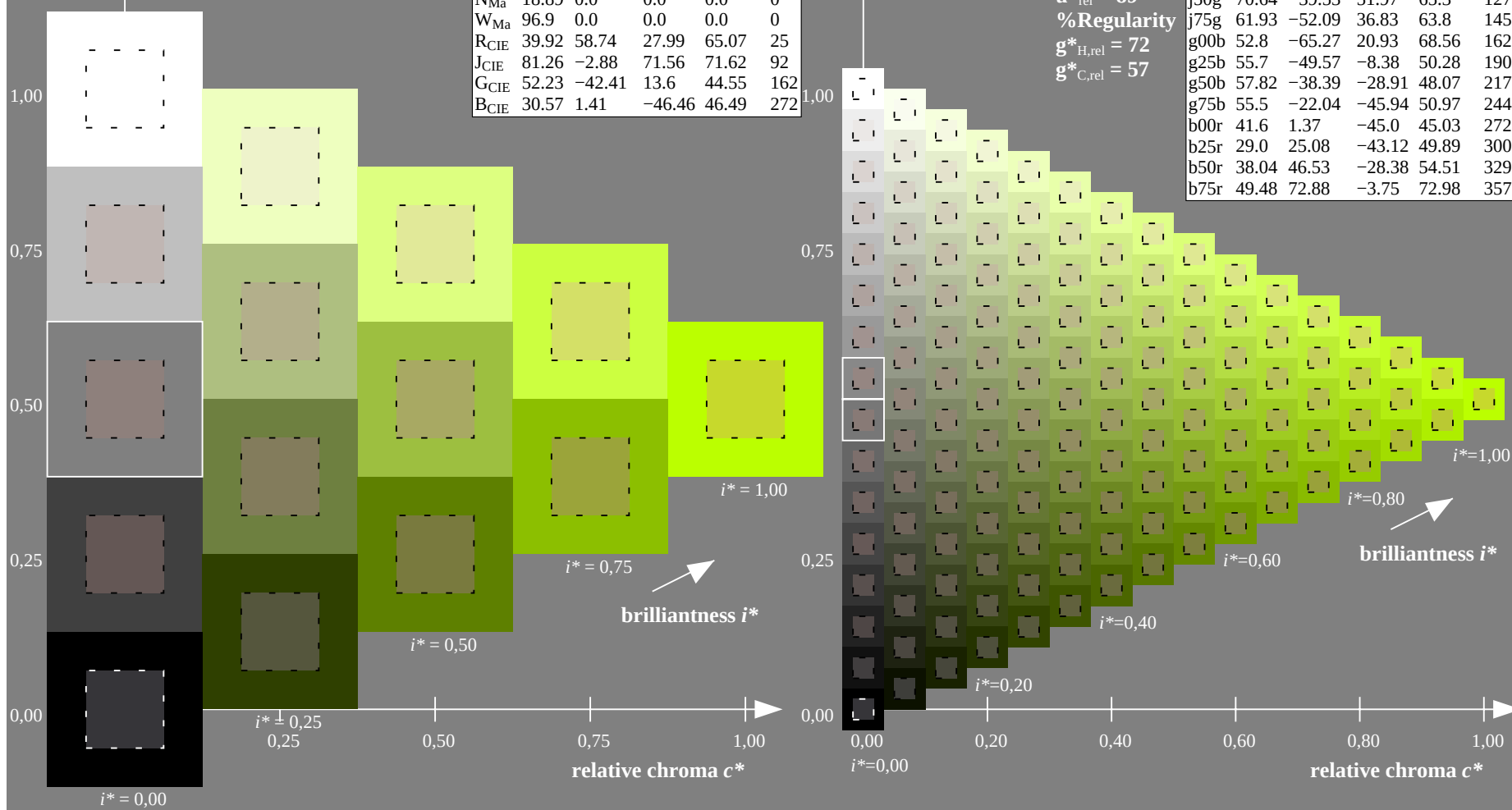
$u^*_{rel} = 89$

%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^*

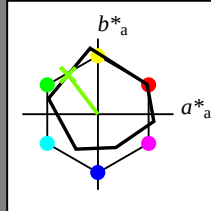
elementary hue text:

$u^* = j50g$

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

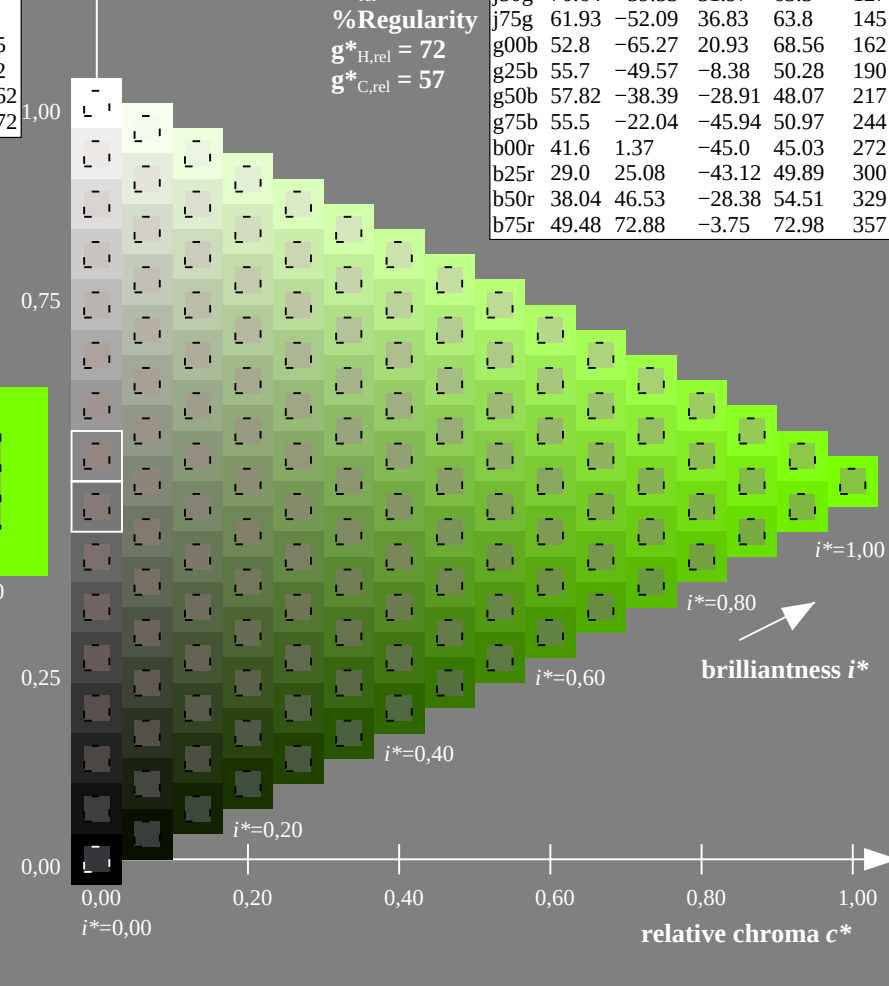
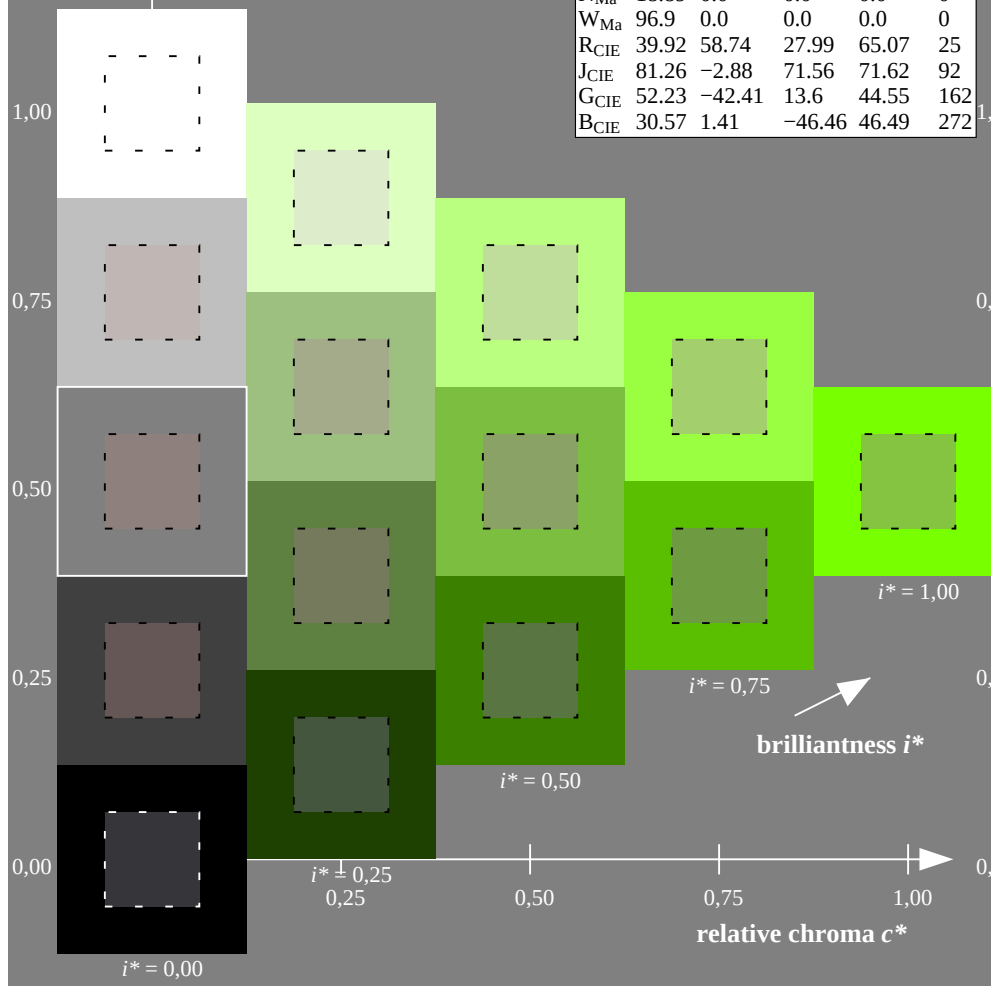
$u^*_{rel} = 89$

%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^*

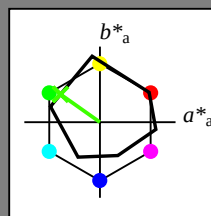
elementary hue text:

$u^* = j75g$

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

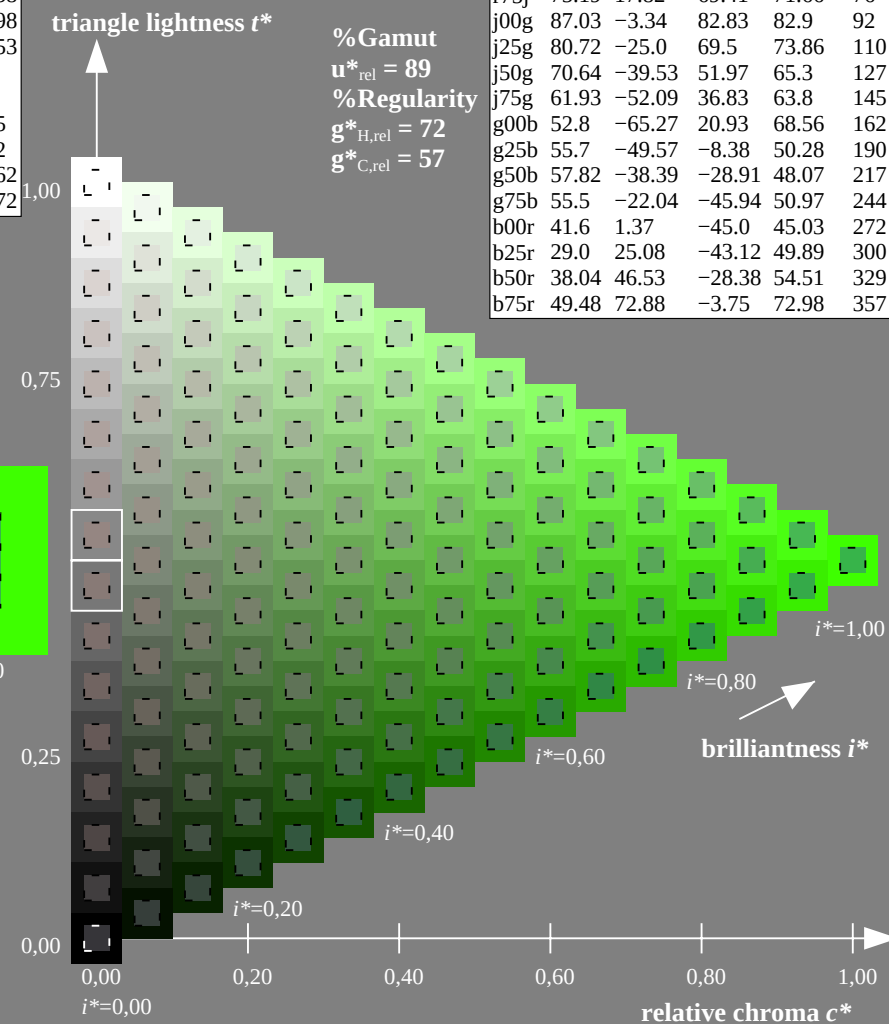
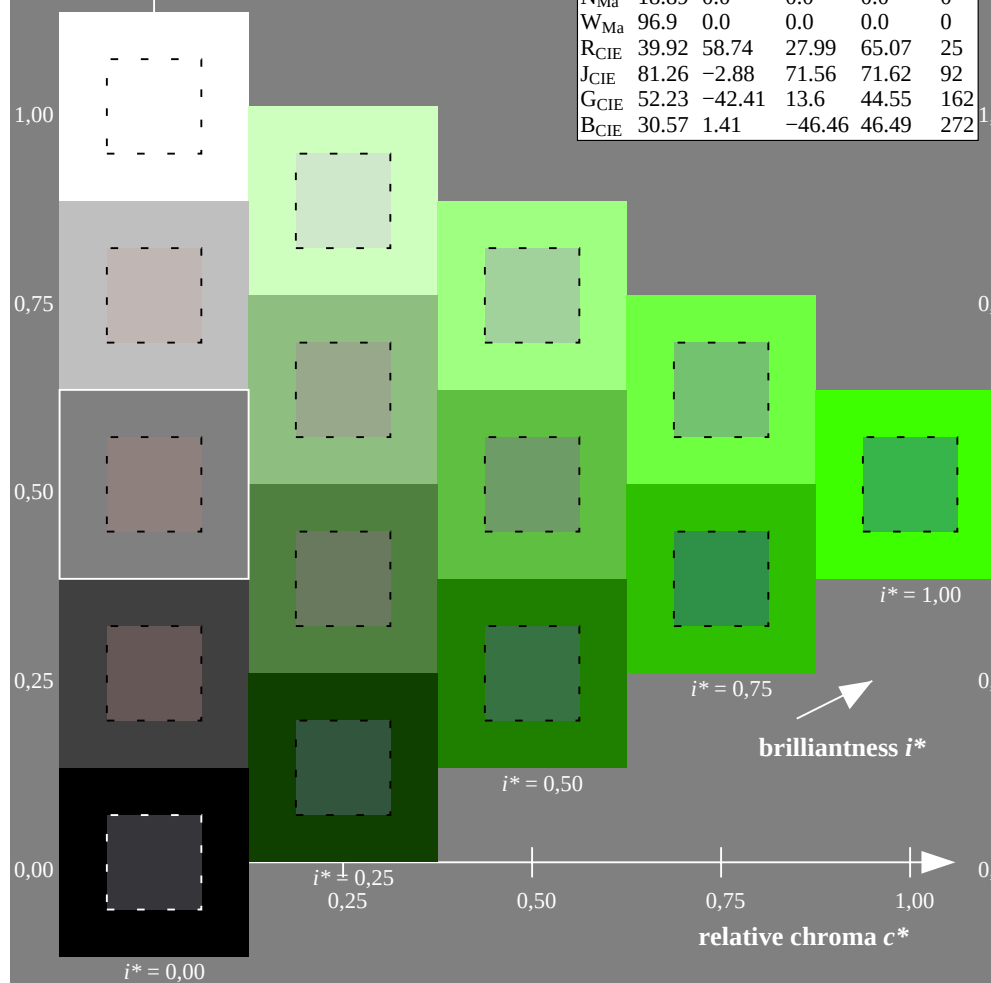
$u^*_{rel} = 89$

%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^*

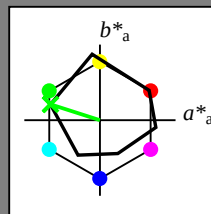
elementary hue text:

$u^* = g00b$

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

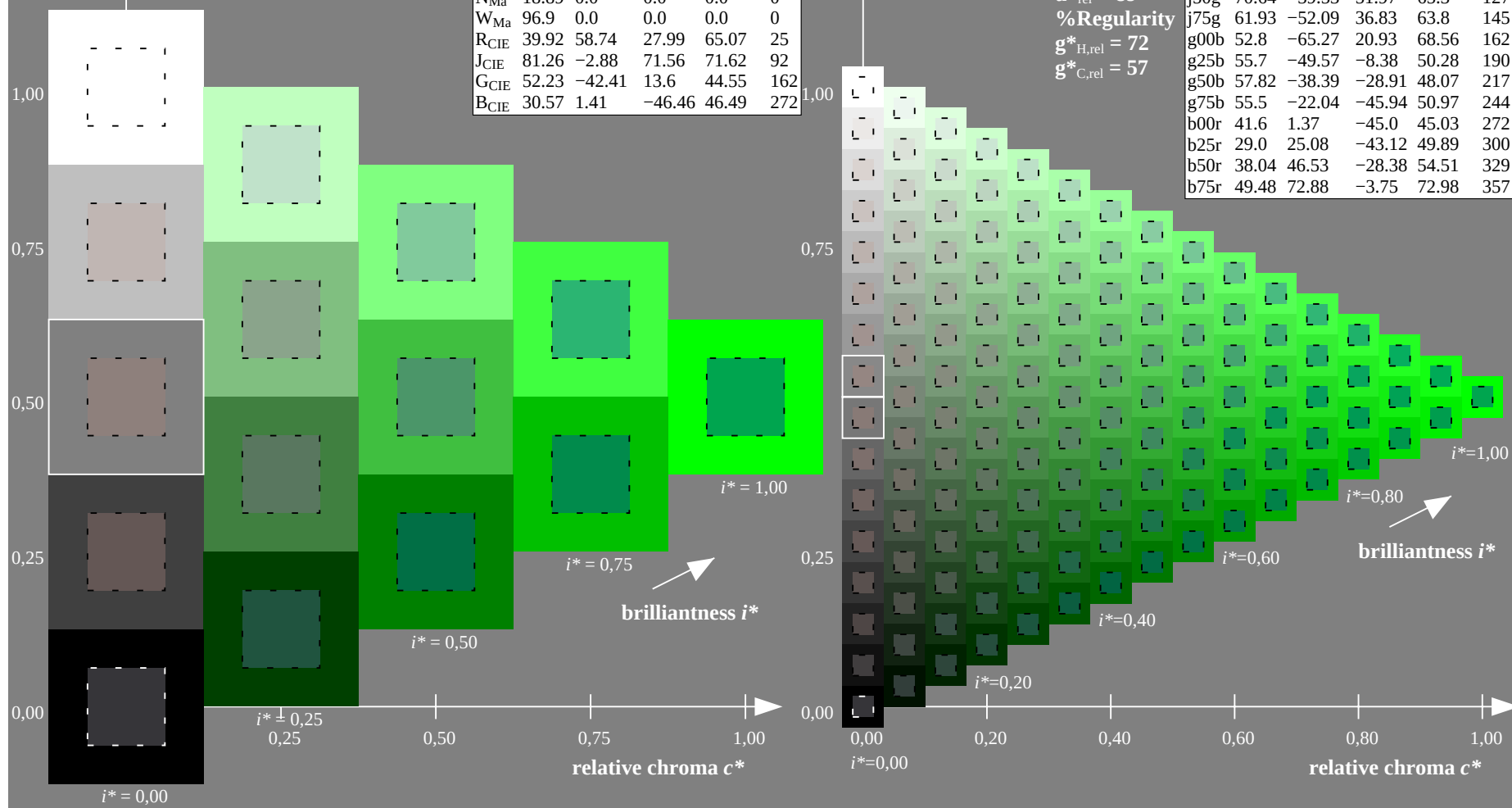
$u^*_{rel} = 89$

%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^*

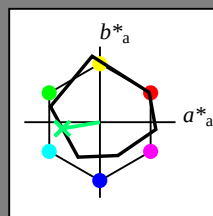
elementary hue text:

$u^* = g25b$

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

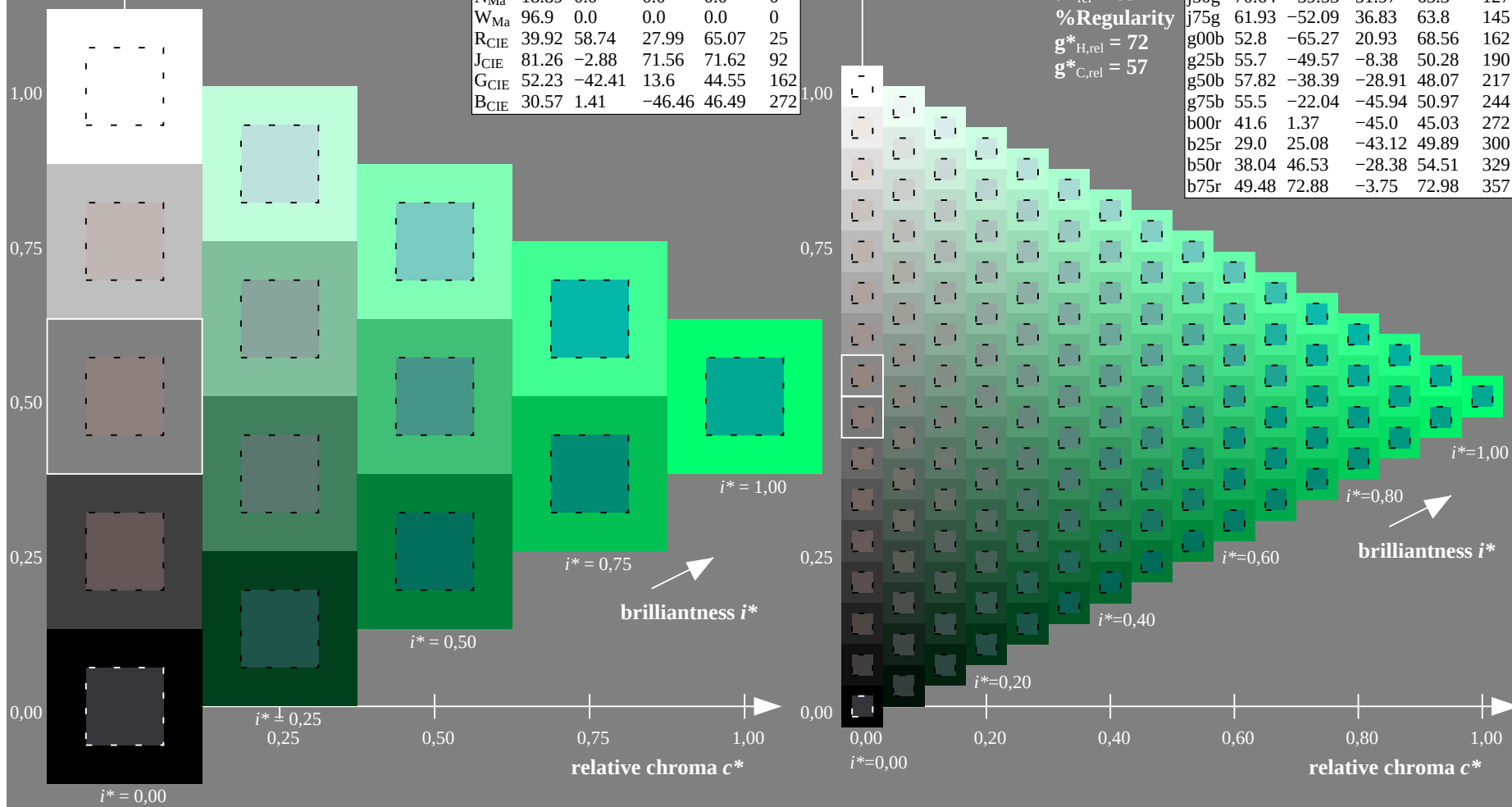
$u^*_{rel} = 89$

%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^*

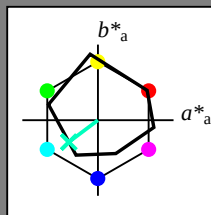
elementary hue text:

$u^* = g50b$

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

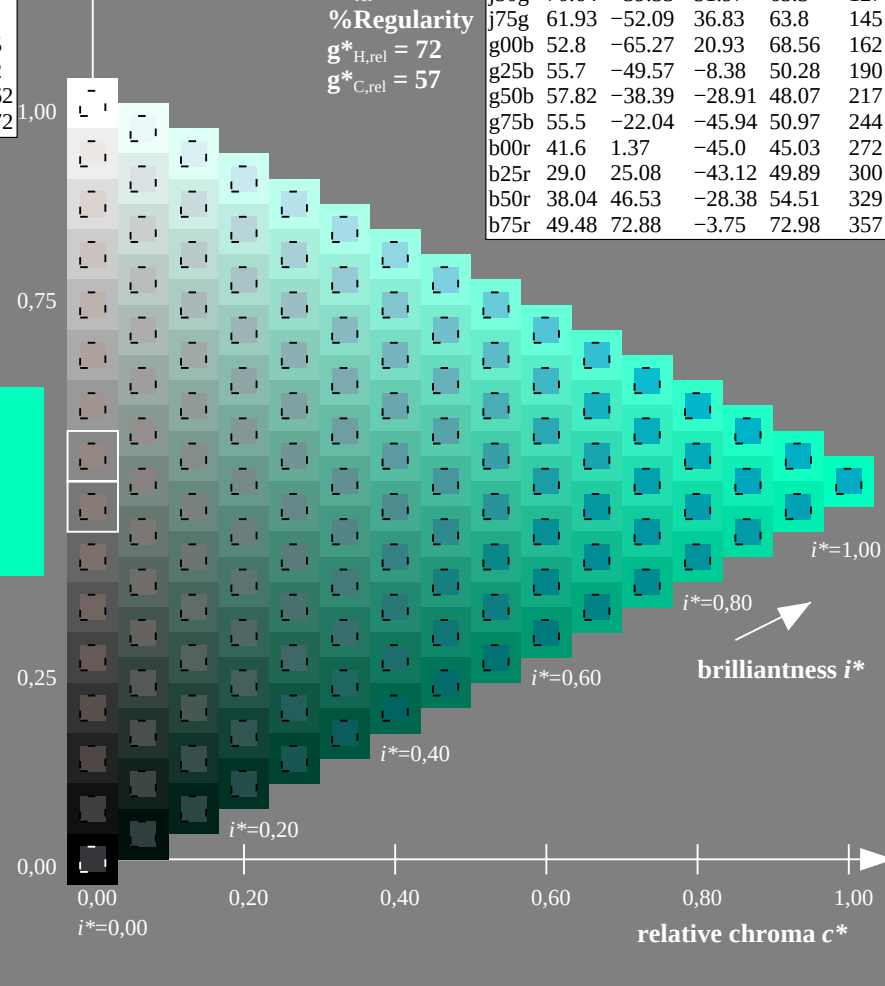
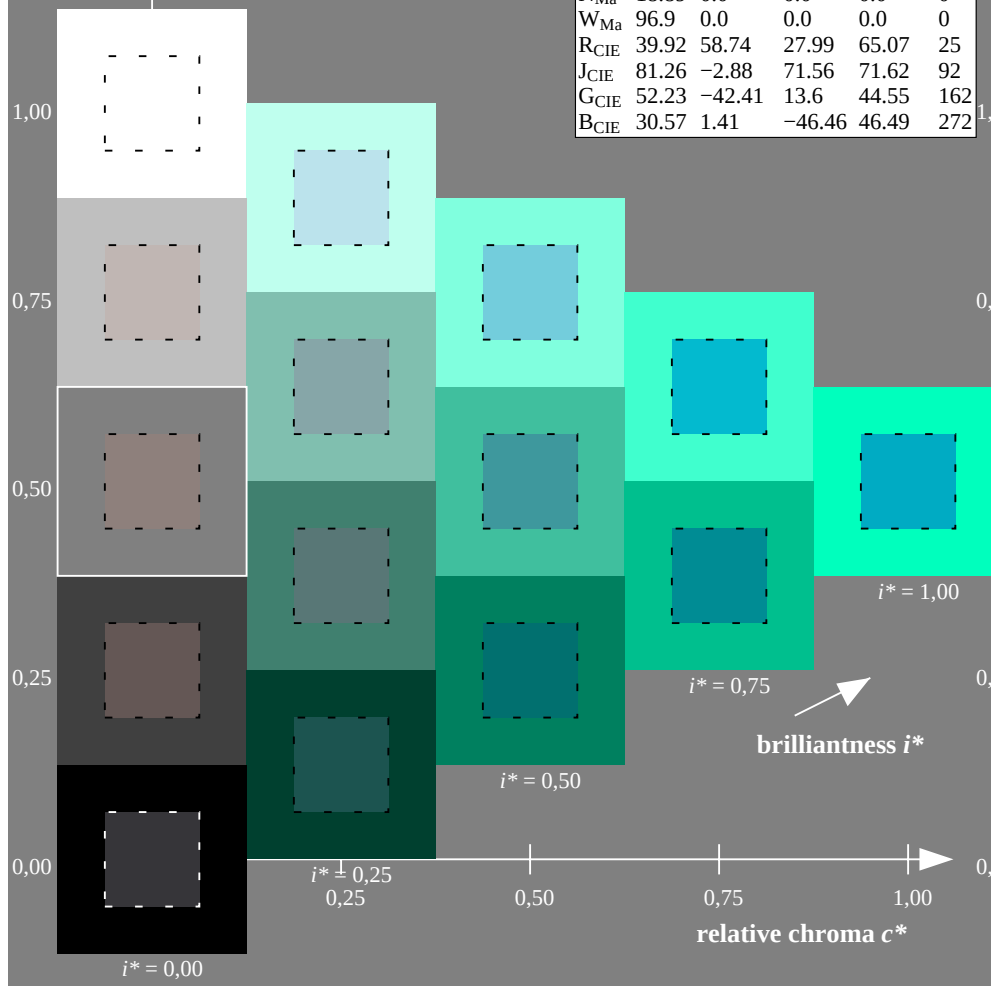
$u^*_{rel} = 89$

%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^*

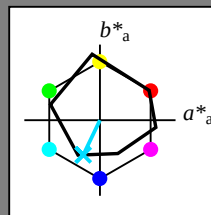
elementary hue text:

$u^* = g75b$

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

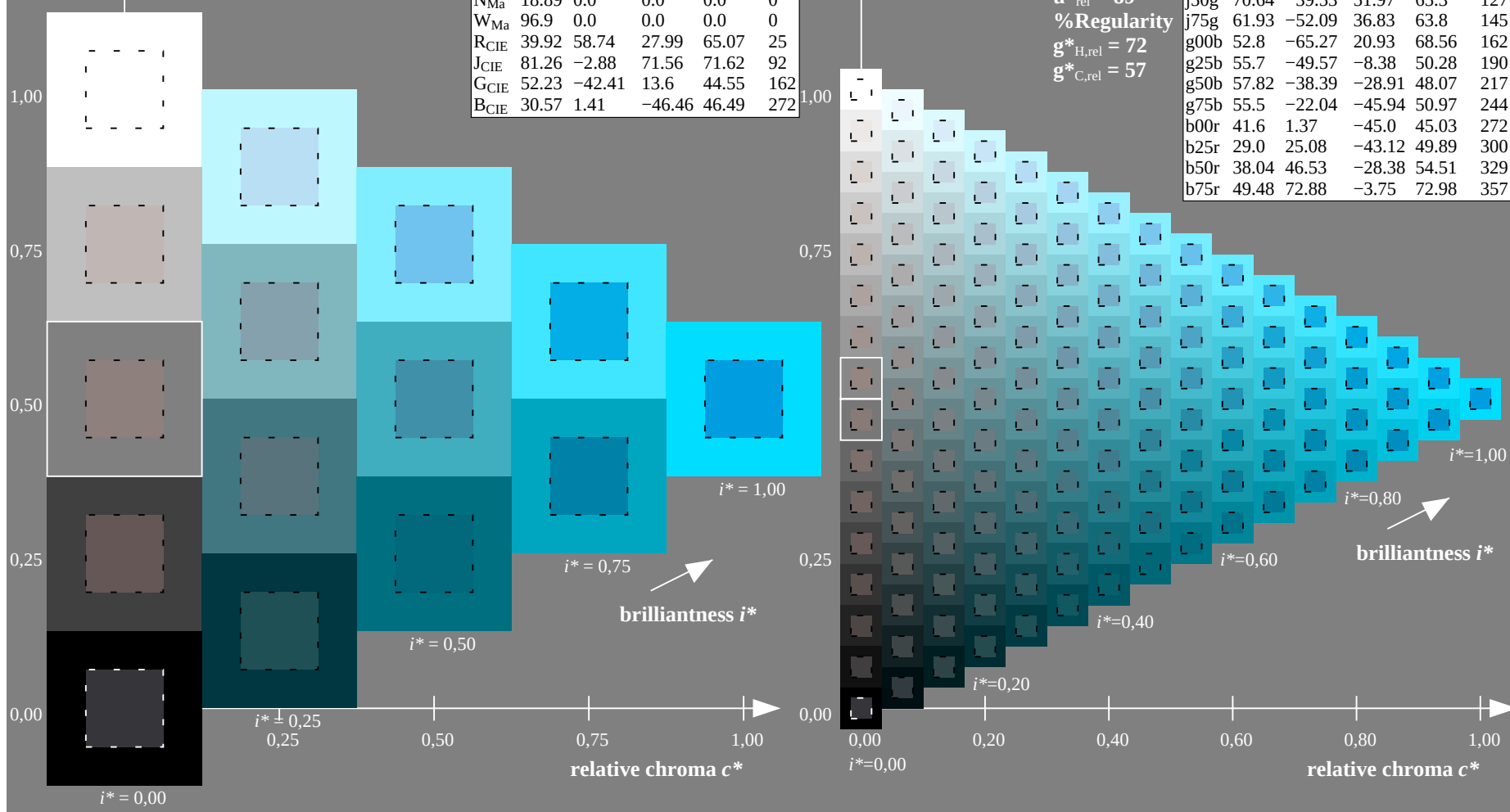
$u^*_{rel} = 89$

%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^*

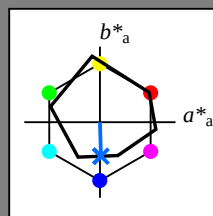
elementary hue text:

$u^* = b00r$

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

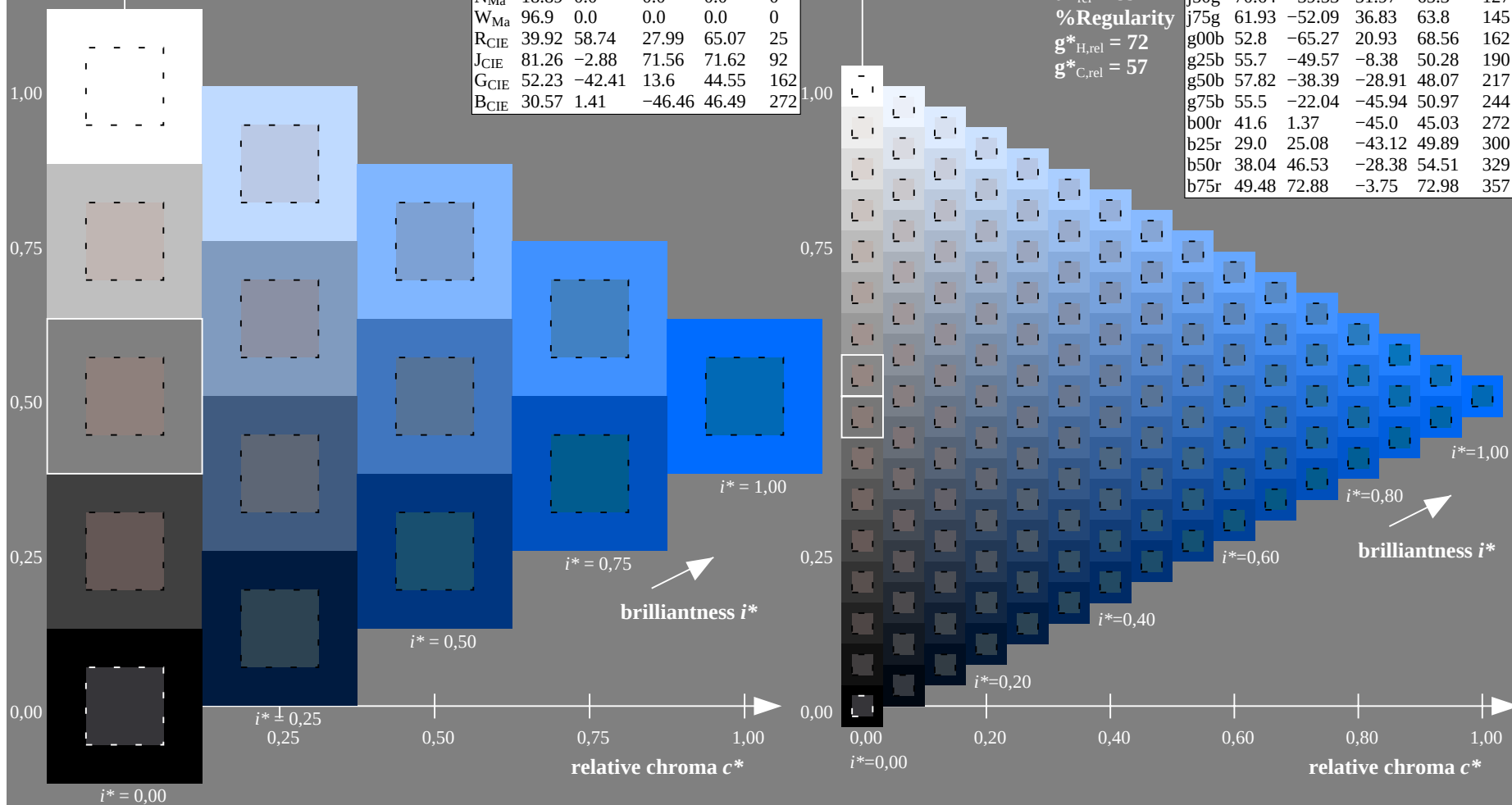
$u^*_{rel} = 89$

%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^*

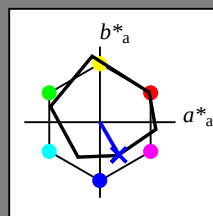
elementary hue text:

$u^* = b25r$

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

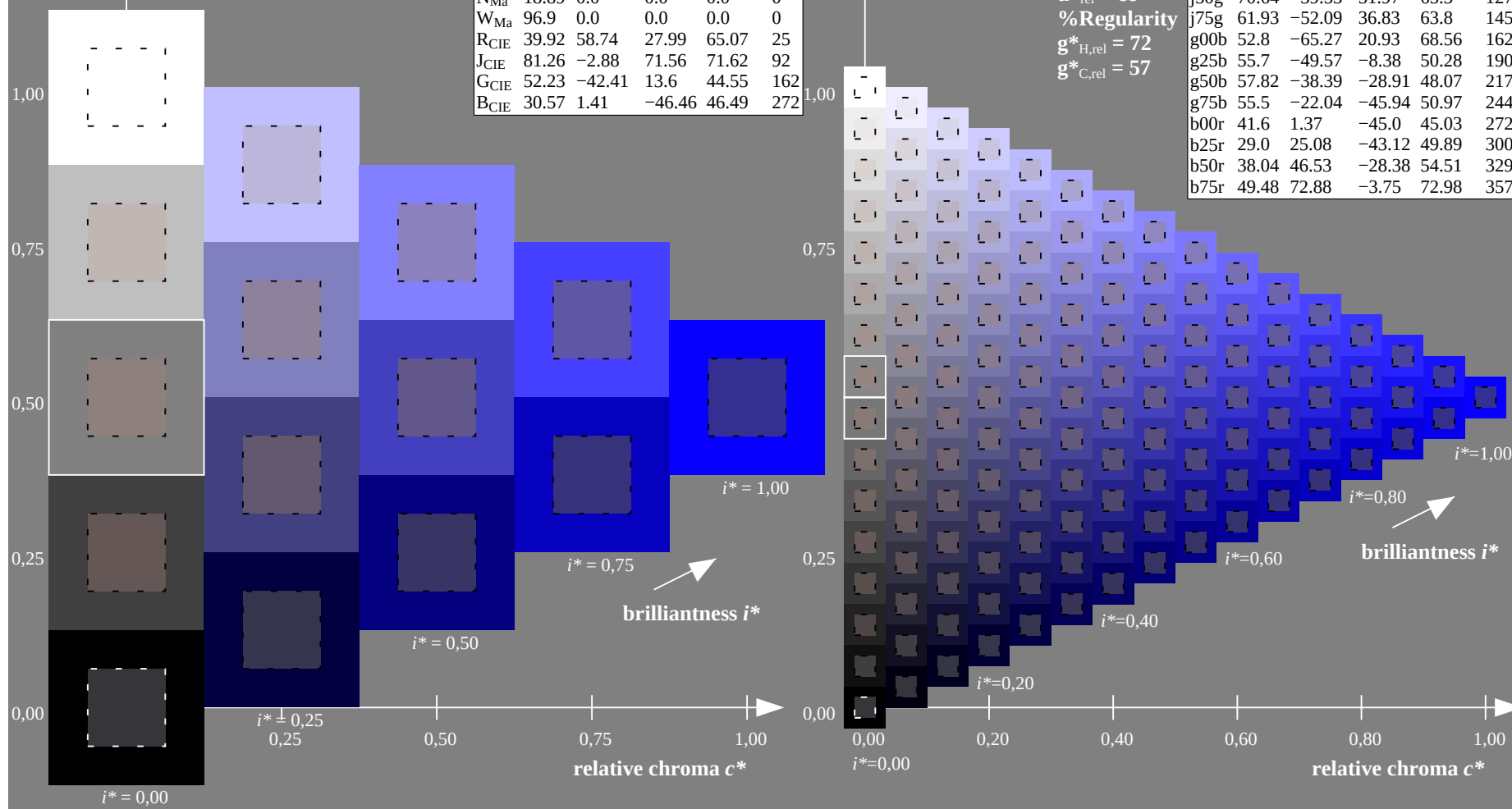
$u^*_{rel} = 89$

%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^*

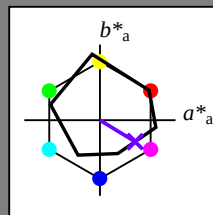
elementary hue text:

$u^* = b50r$

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

$u^*_{rel} = 89$

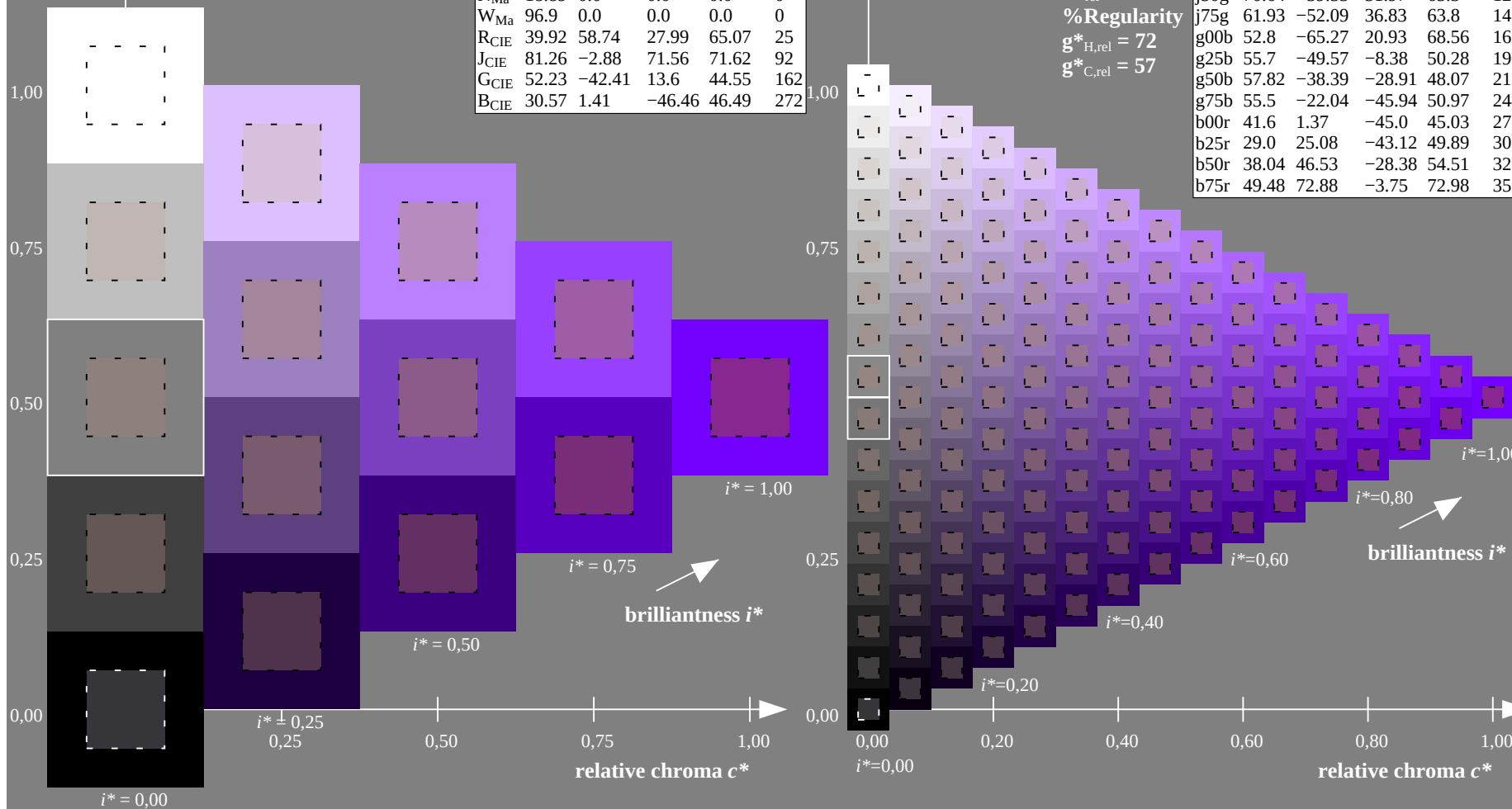
%Regularity

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

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

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^*

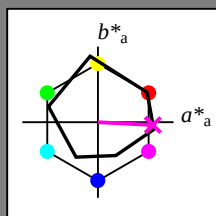
elementary hue text:

$u^* = b75r$

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

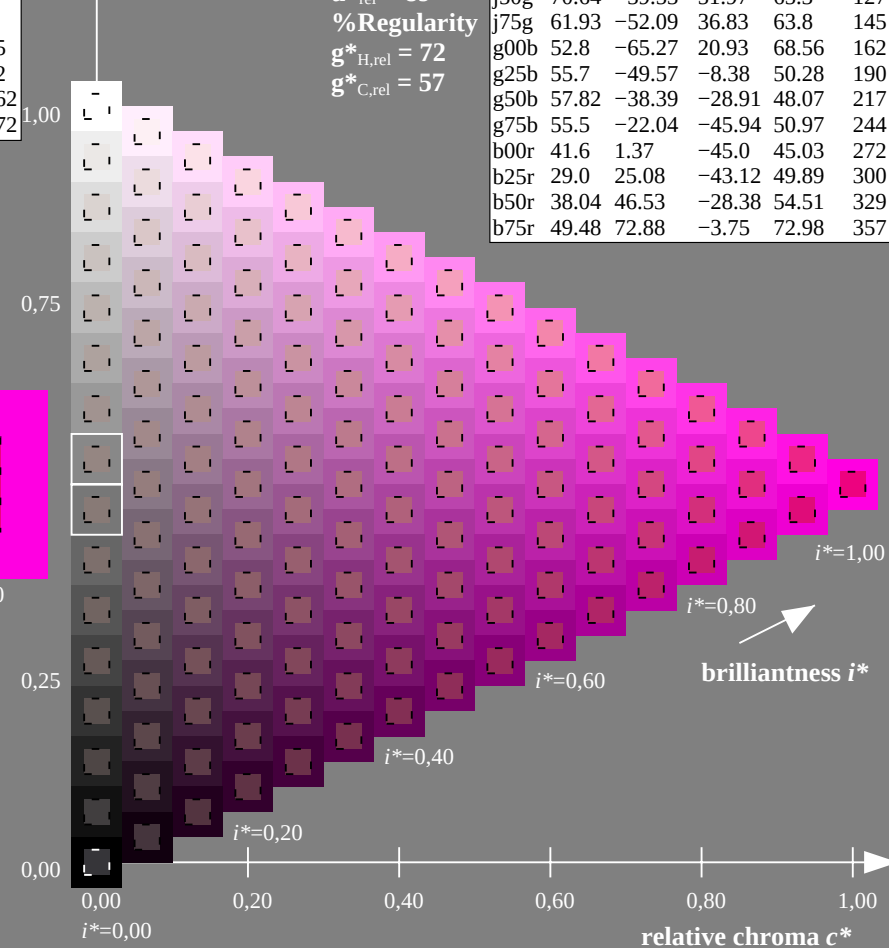
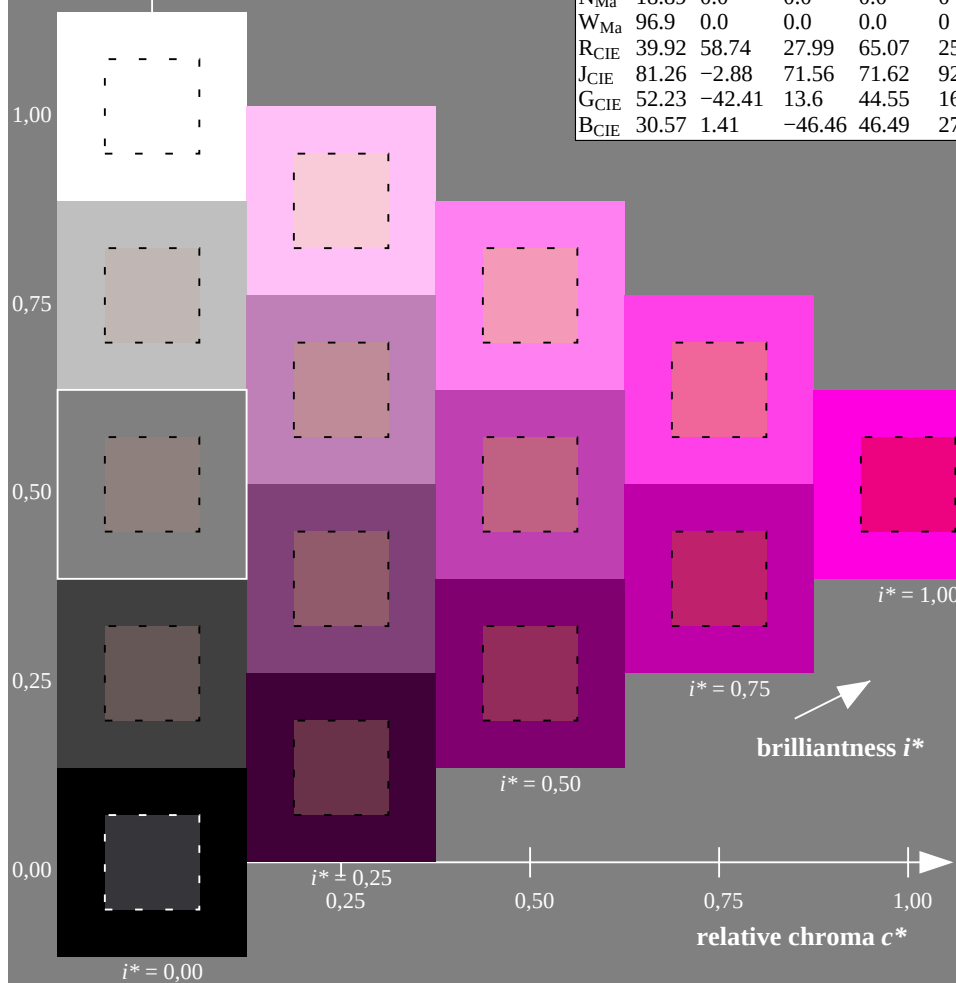
$u^*_{rel} = 89$

%Regularity

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

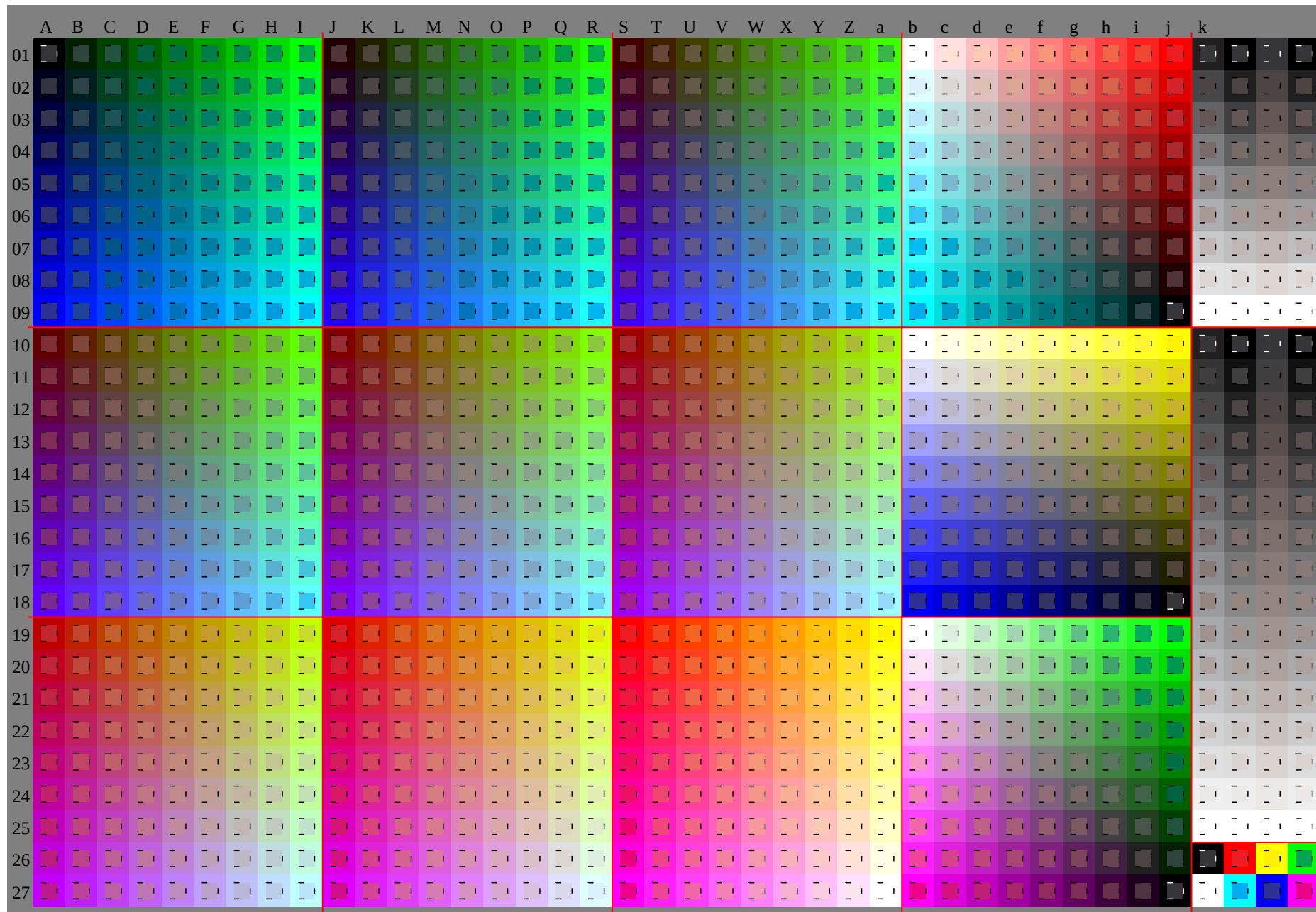
$g^*_{C,rel} = 57$

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



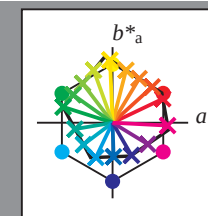
BAM registration: 20080701-De98/10/L98E00NA.PS/.TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

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



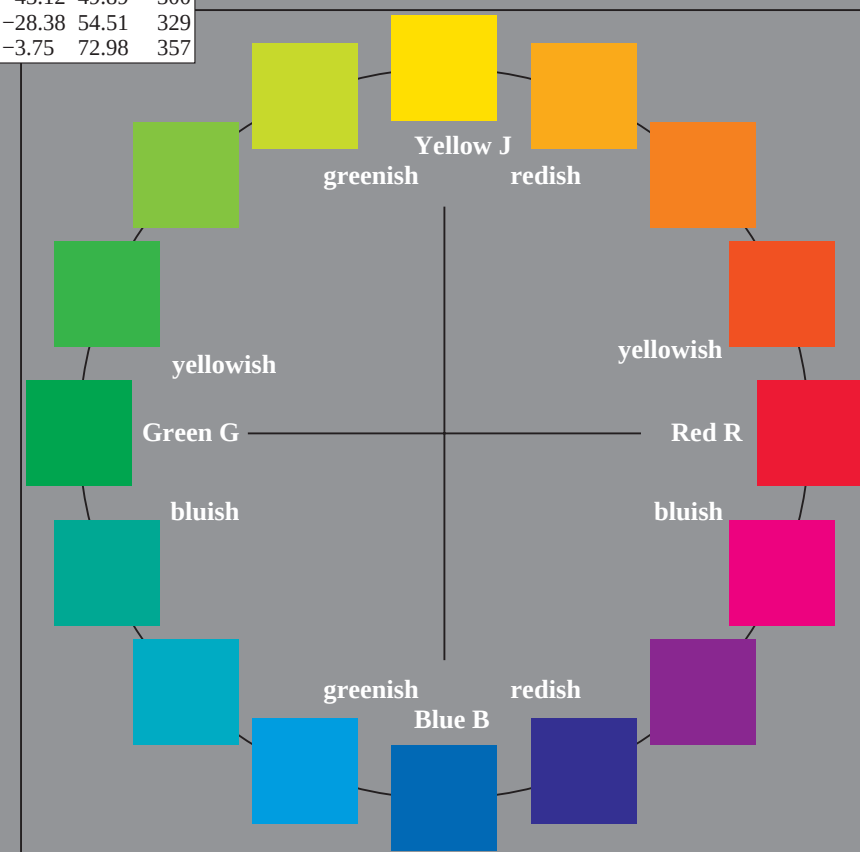
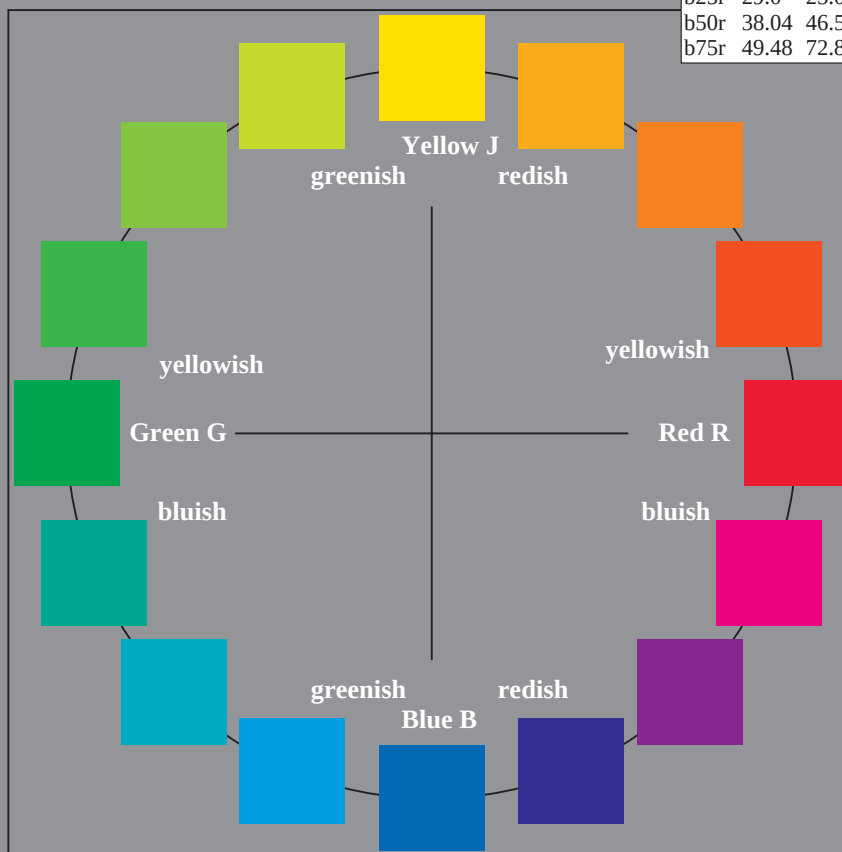
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

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 $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

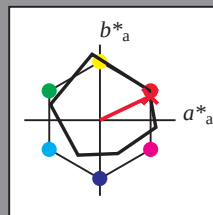
elementary hue text:

$u^* = r00j$

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

$u^*_{rel} = 89$

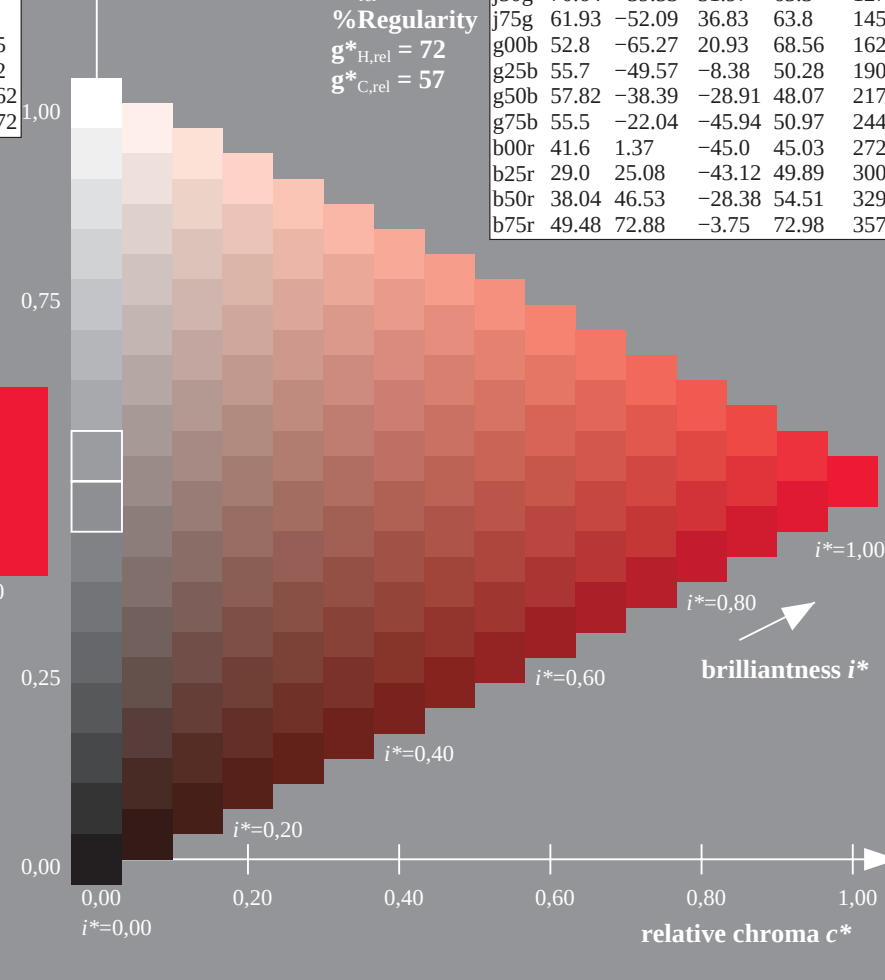
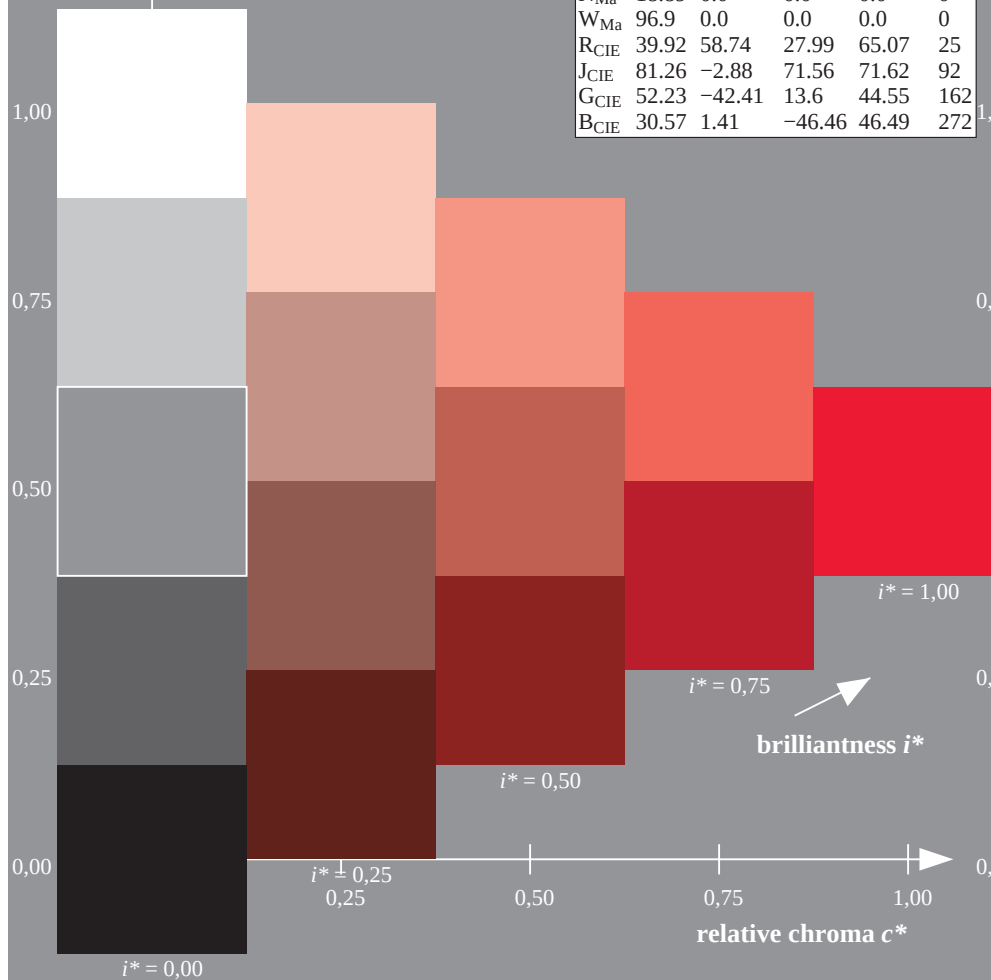
%Regularity

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

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

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^*

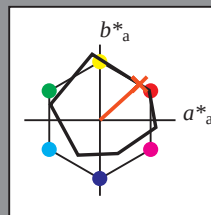
elementary hue text:

$u^* = r25j$

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

$u^*_{rel} = 89$

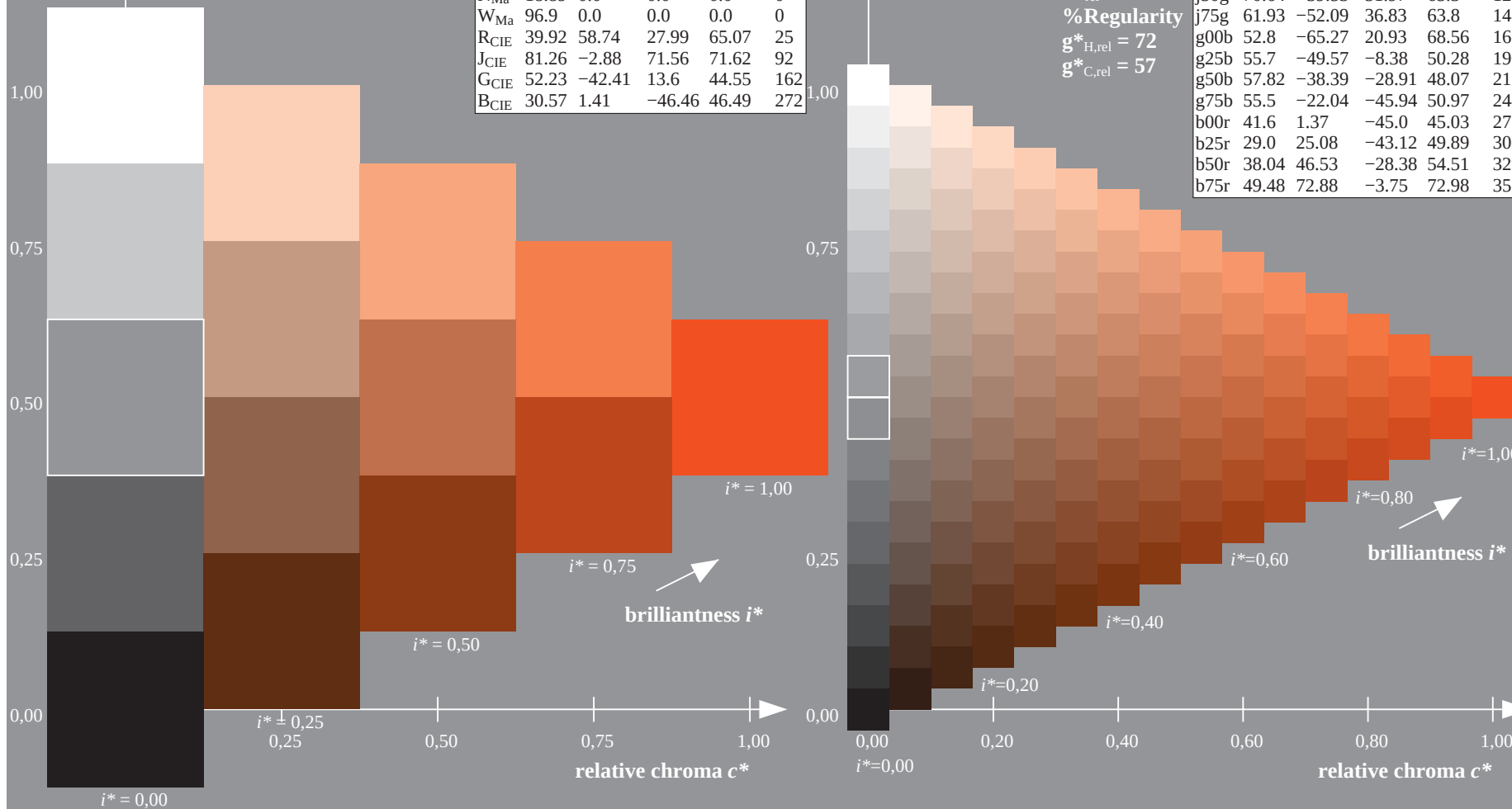
%Regularity

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

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

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^*

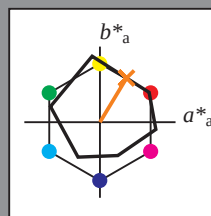
elementary hue text:

$u^* = r50j$

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

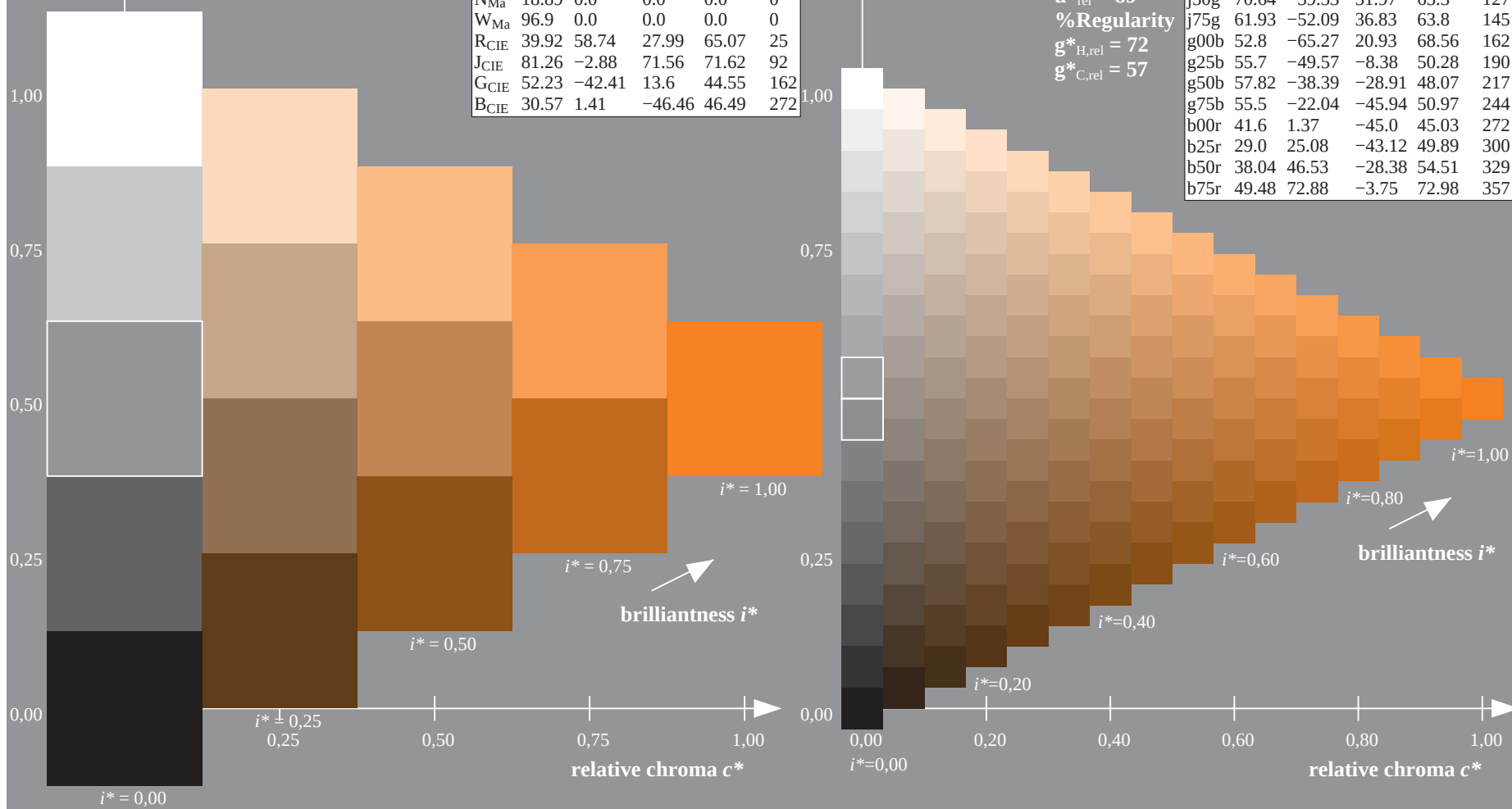
$u^*_{rel} = 89$

%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^*

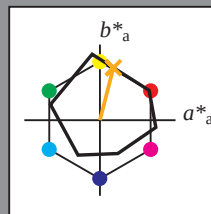
elementary hue text:

$u^* = r75j$

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

$u^*_{rel} = 89$

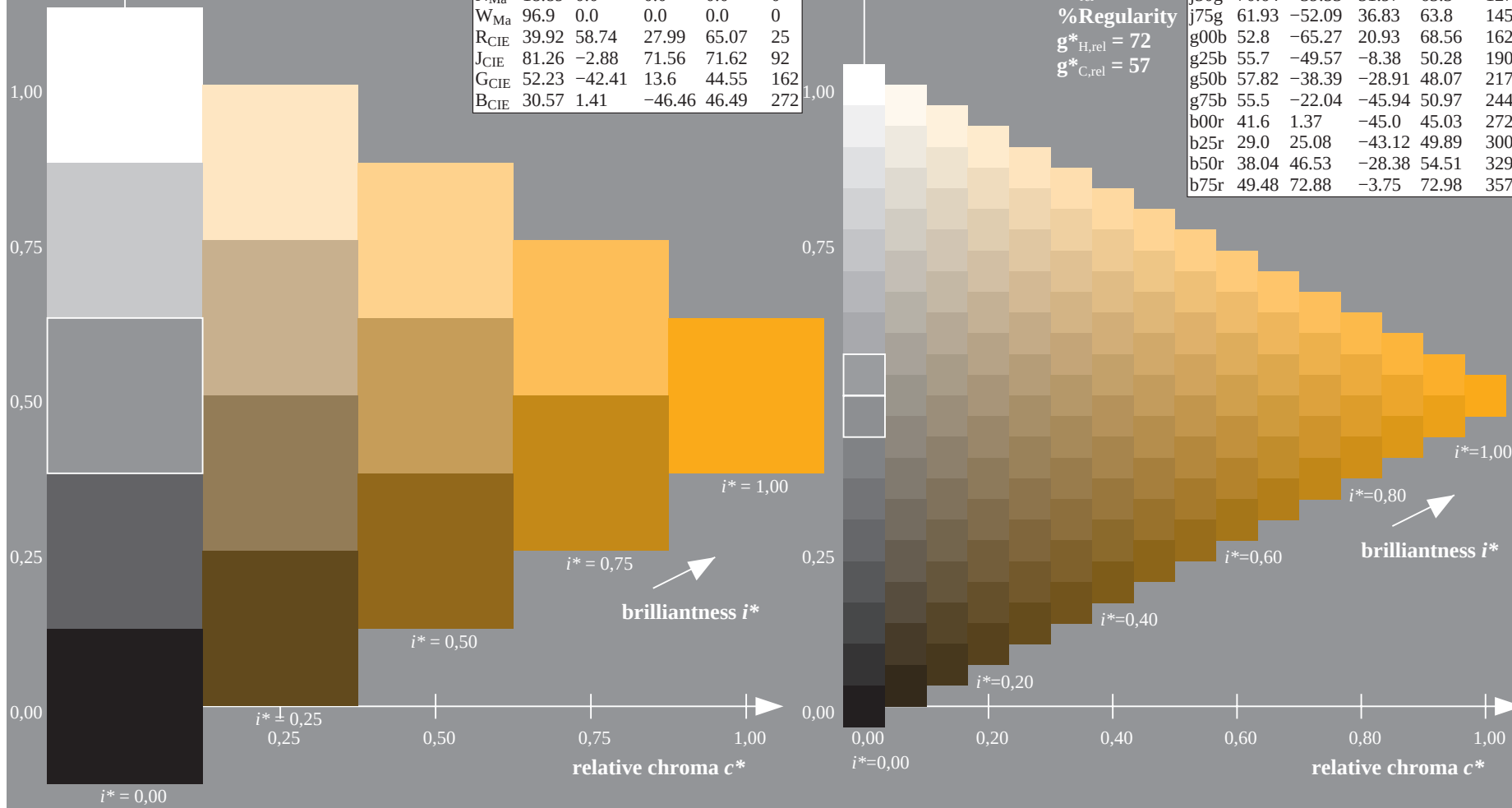
%Regularity

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

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

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^*

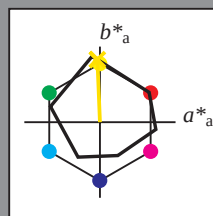
elementary hue text:

$u^* = j00g$

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

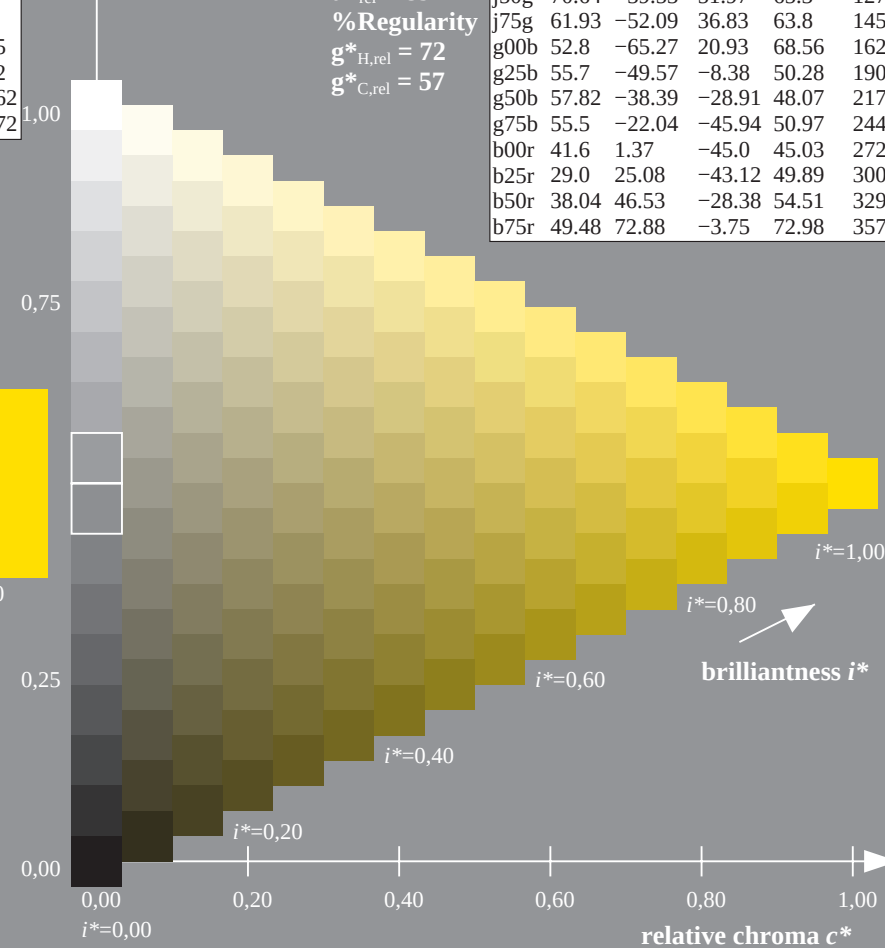
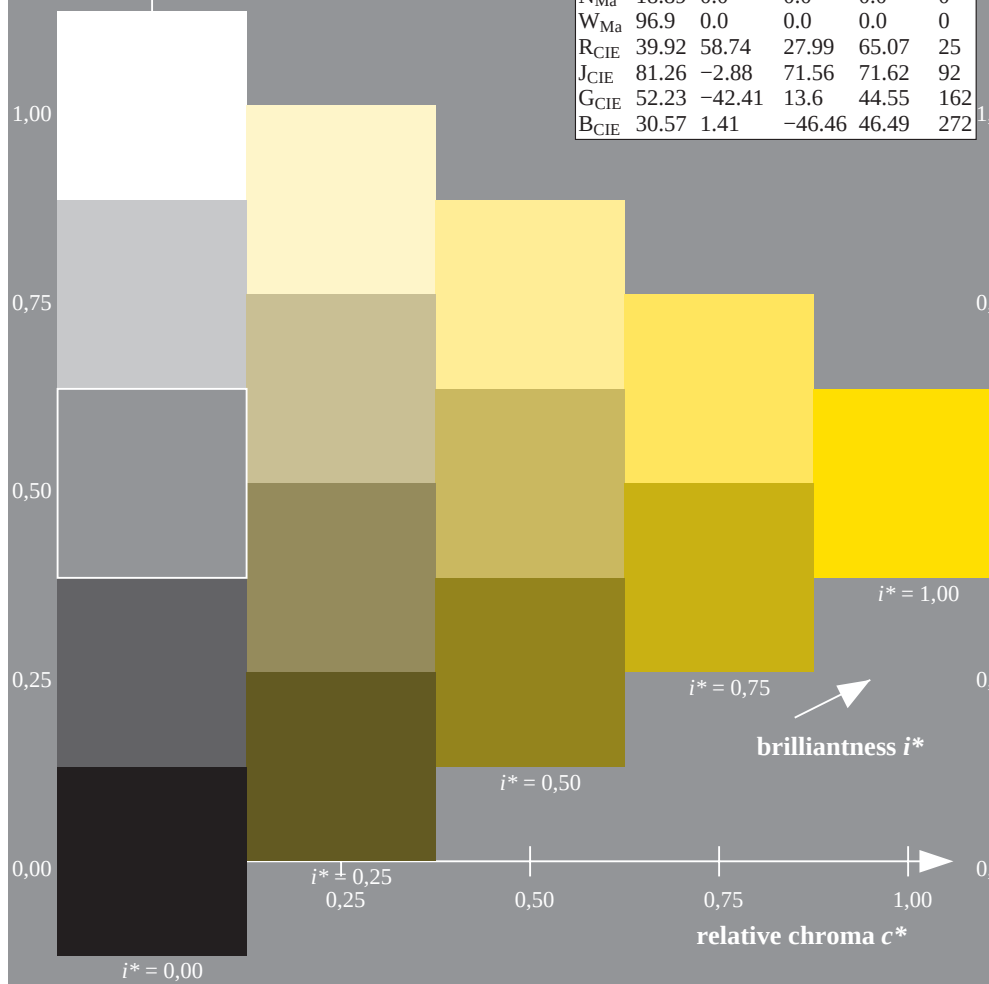
$u^*_{rel} = 89$

%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^*

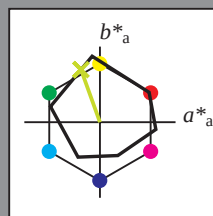
elementary hue text:

$u^* = j25g$

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

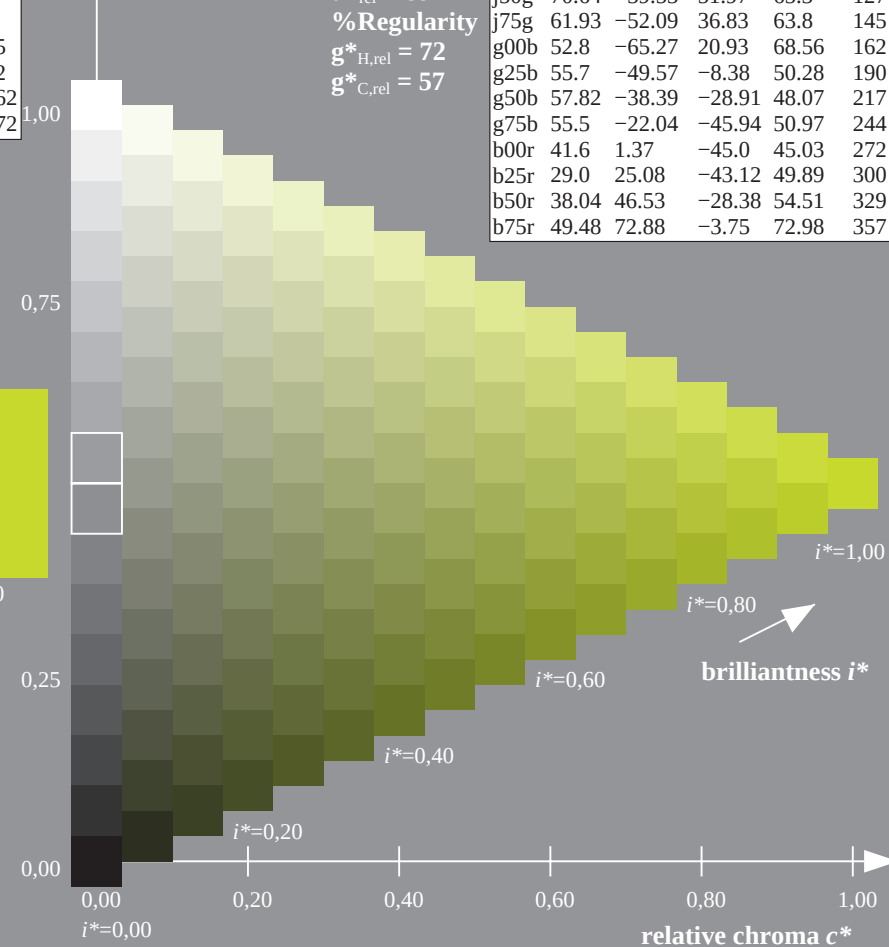
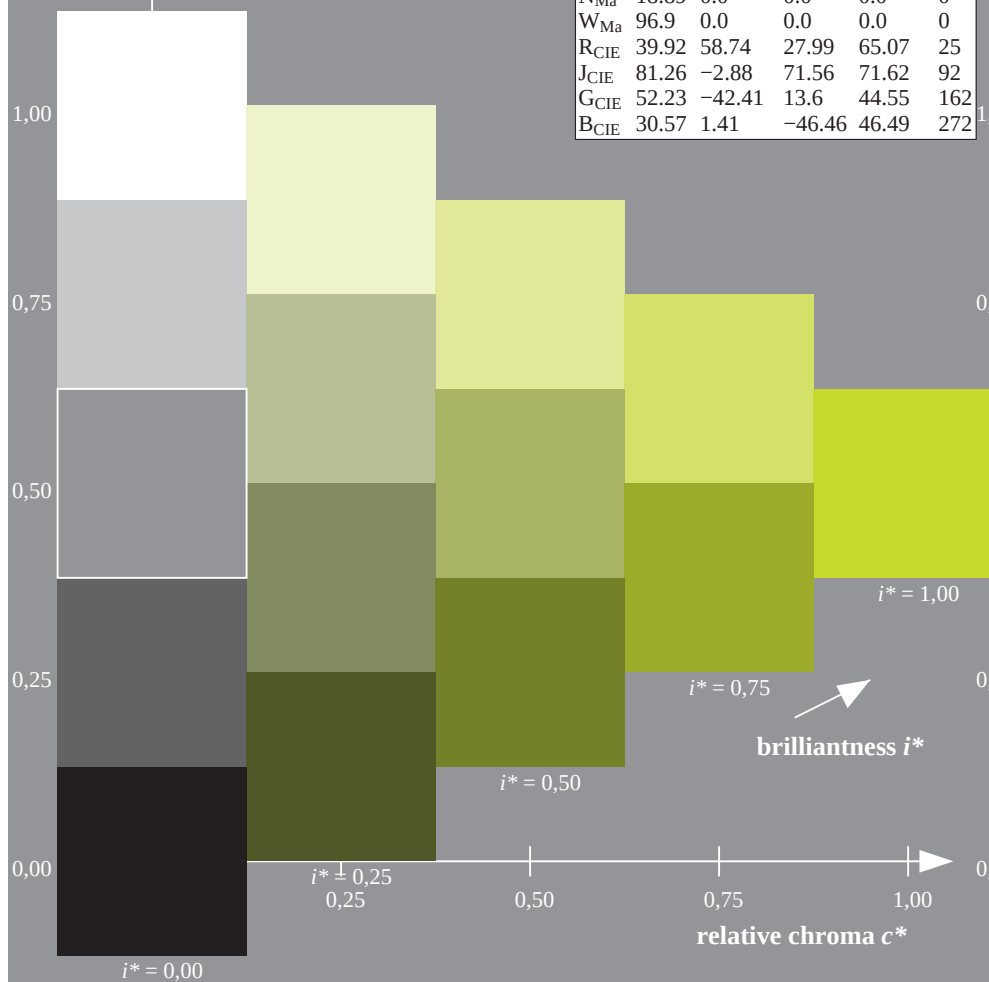
$u^*_{rel} = 89$

%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^*

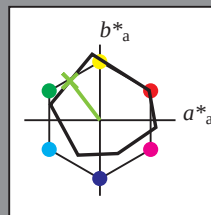
elementary hue text:

$u^* = j50g$

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

$u^*_{rel} = 89$

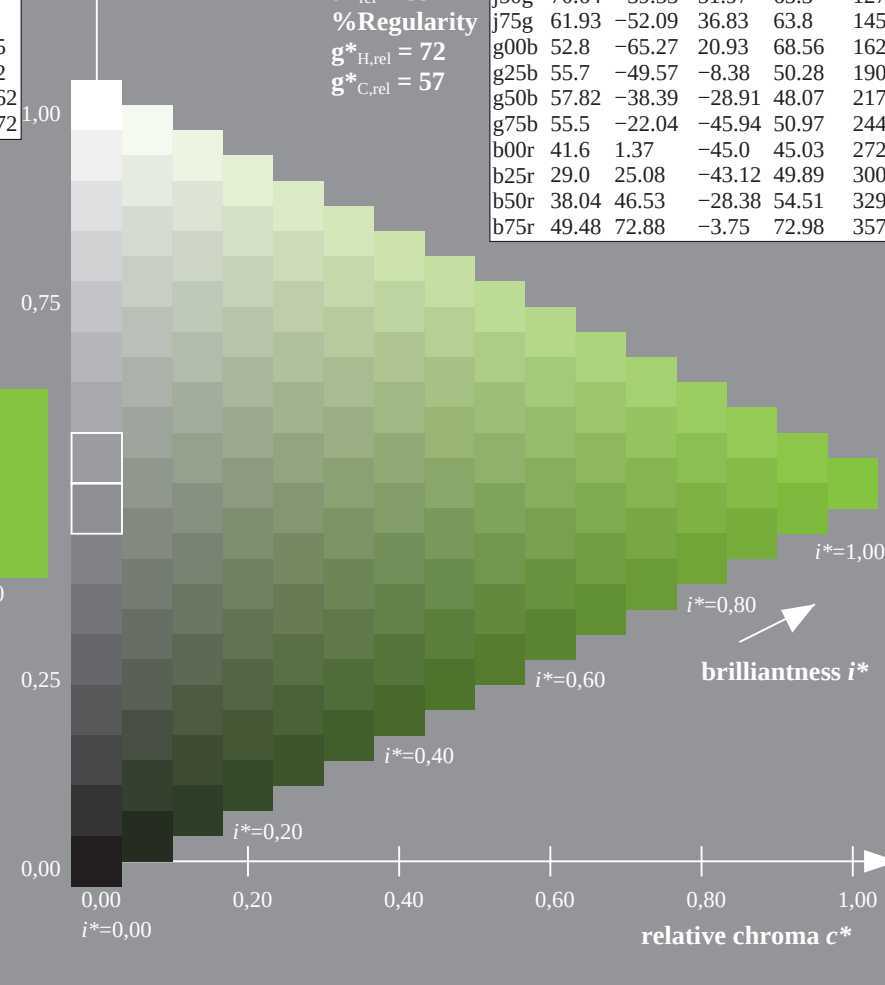
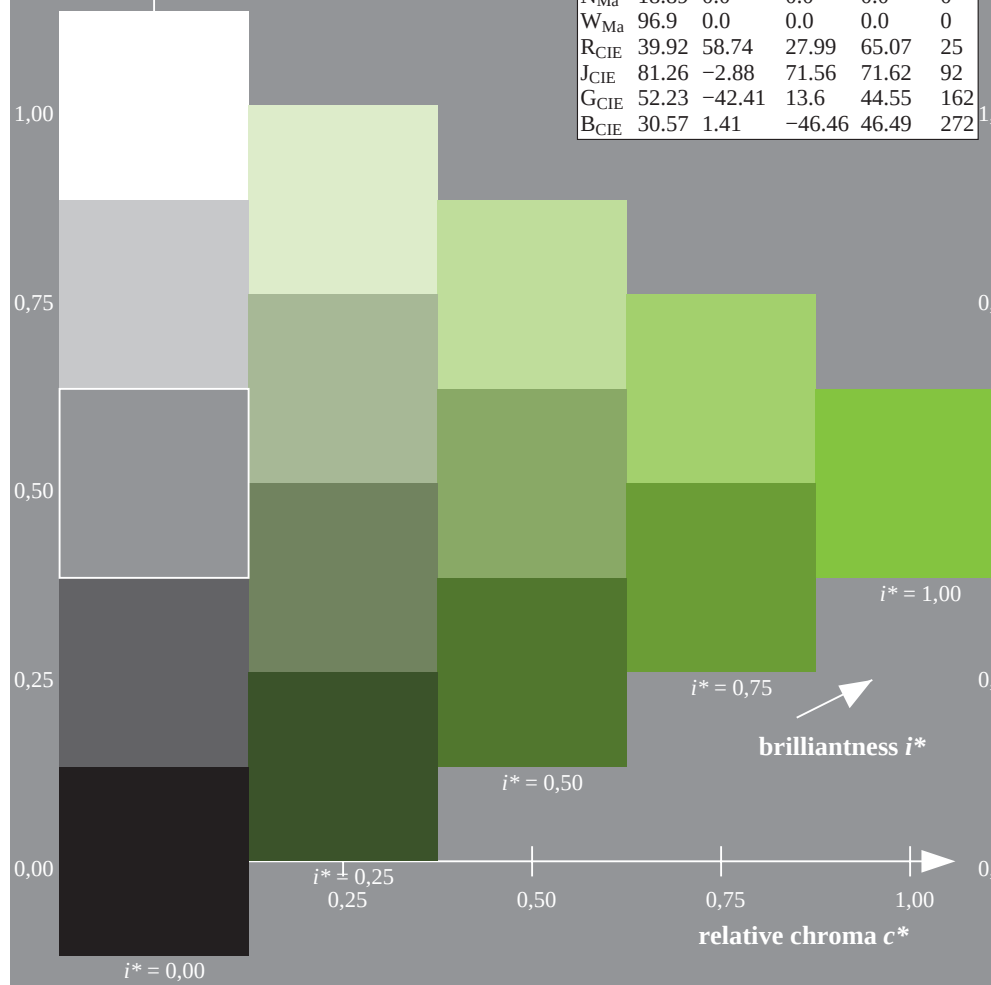
%Regularity

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

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

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^*

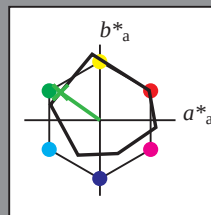
elementary hue text:

$u^* = j75g$

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

$u^*_{rel} = 89$

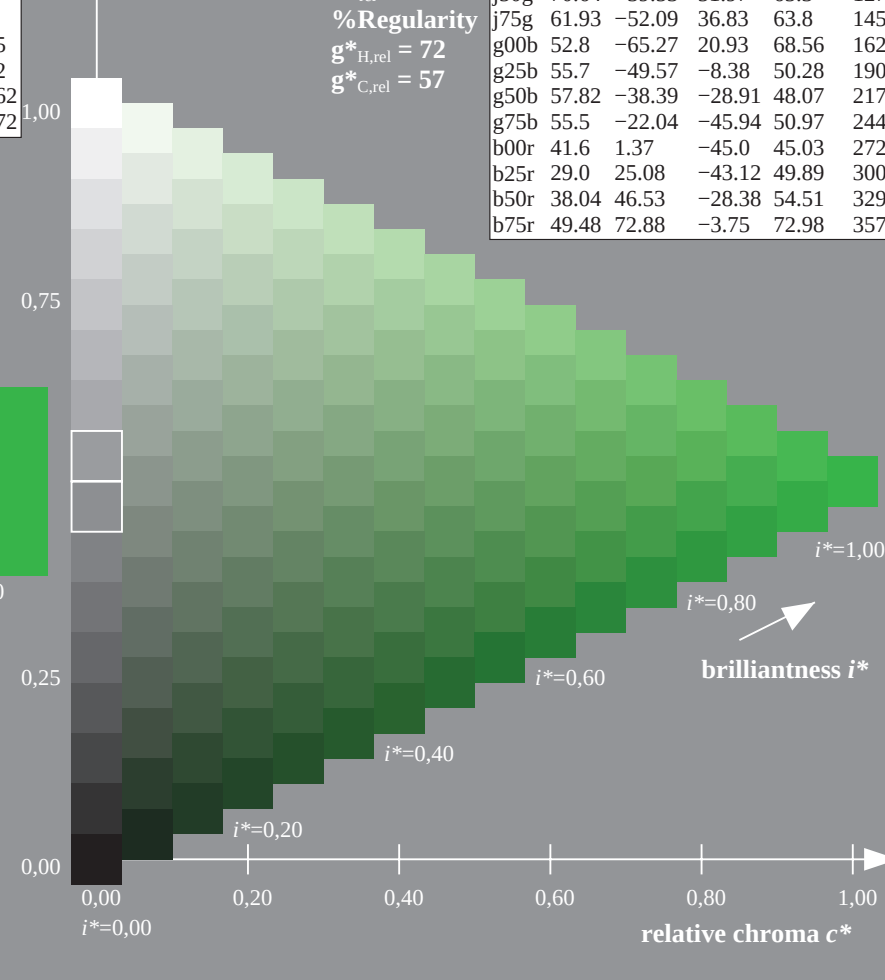
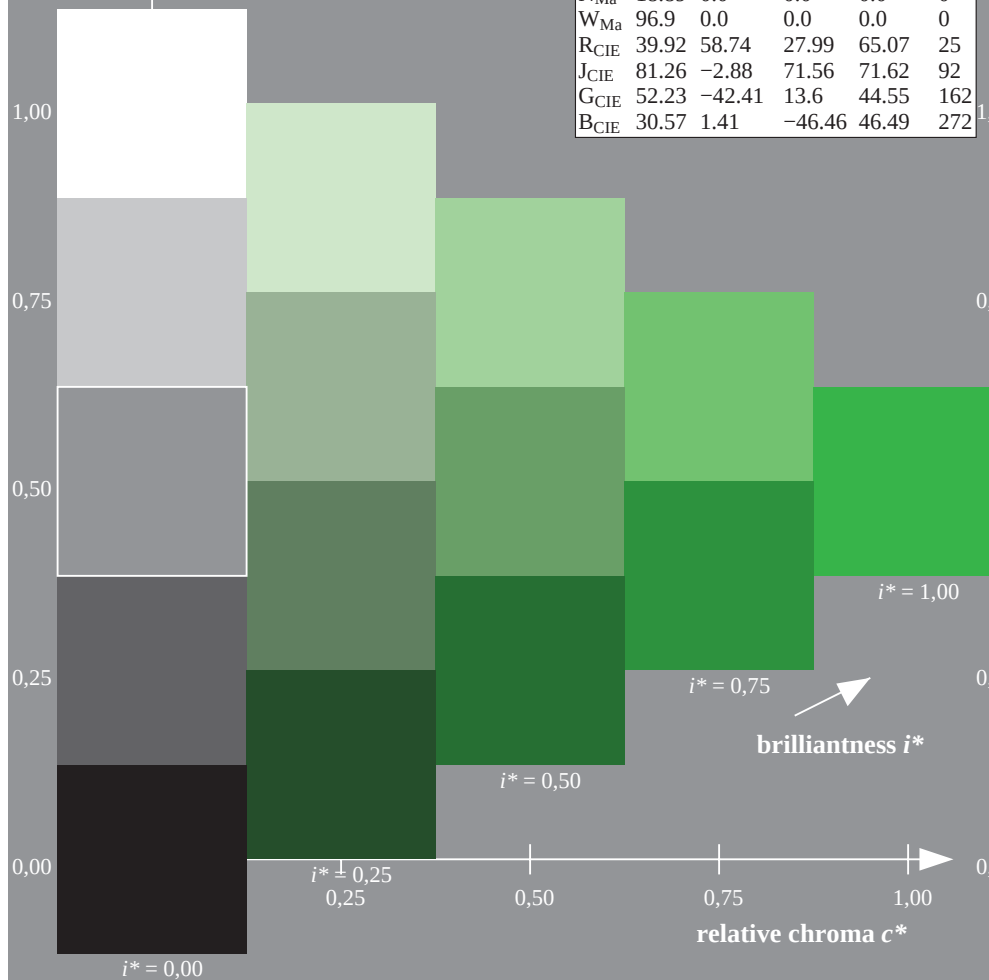
%Regularity

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

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

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^*

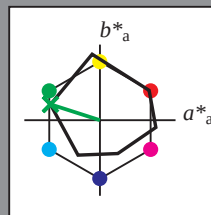
elementary hue text:

$u^* = g00b$

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

$u^*_{rel} = 89$

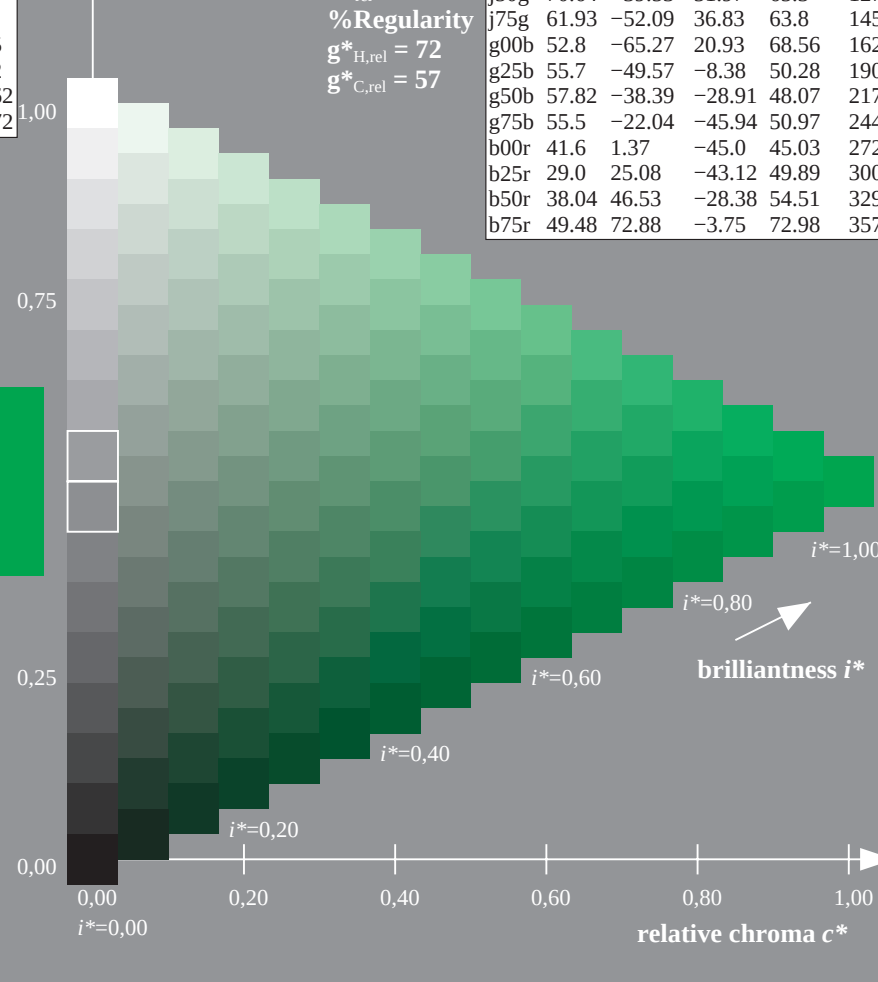
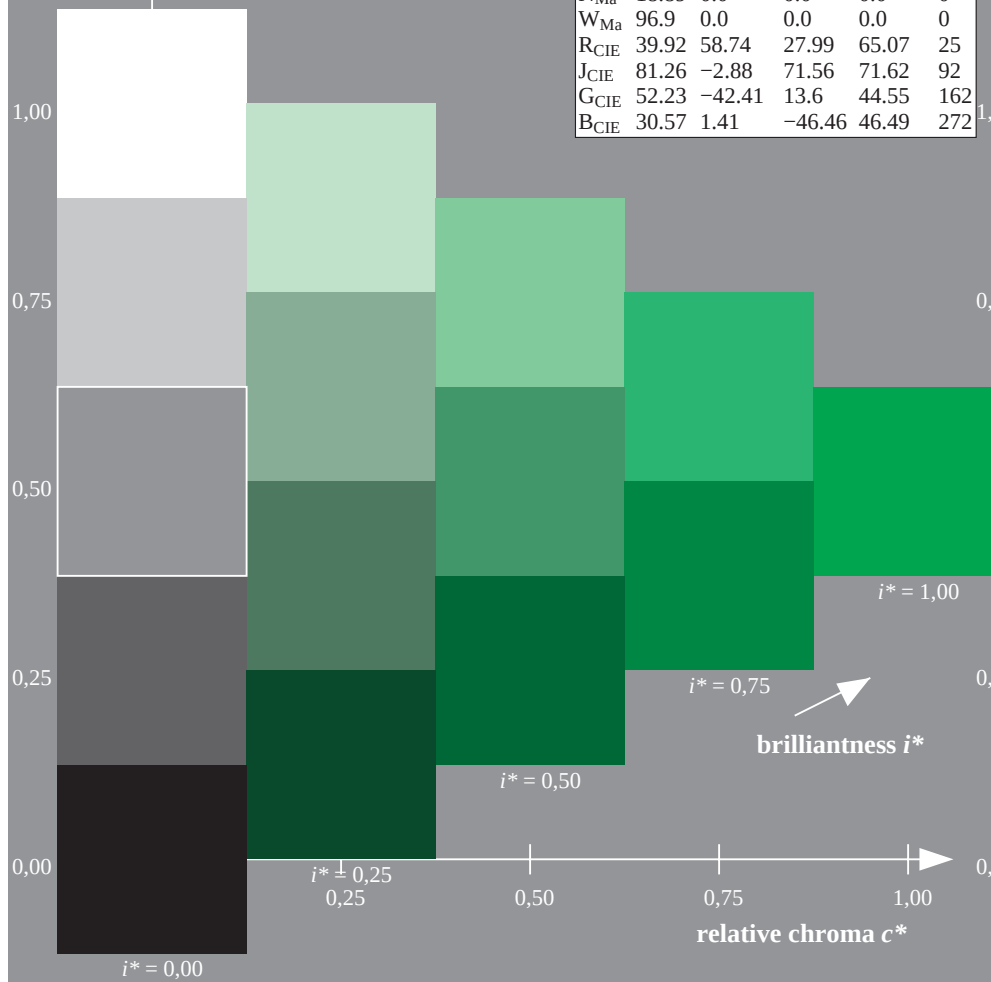
%Regularity

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

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

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^*

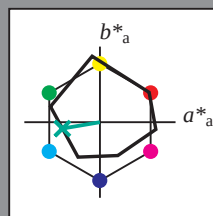
elementary hue text:

$u^* = g25b$

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

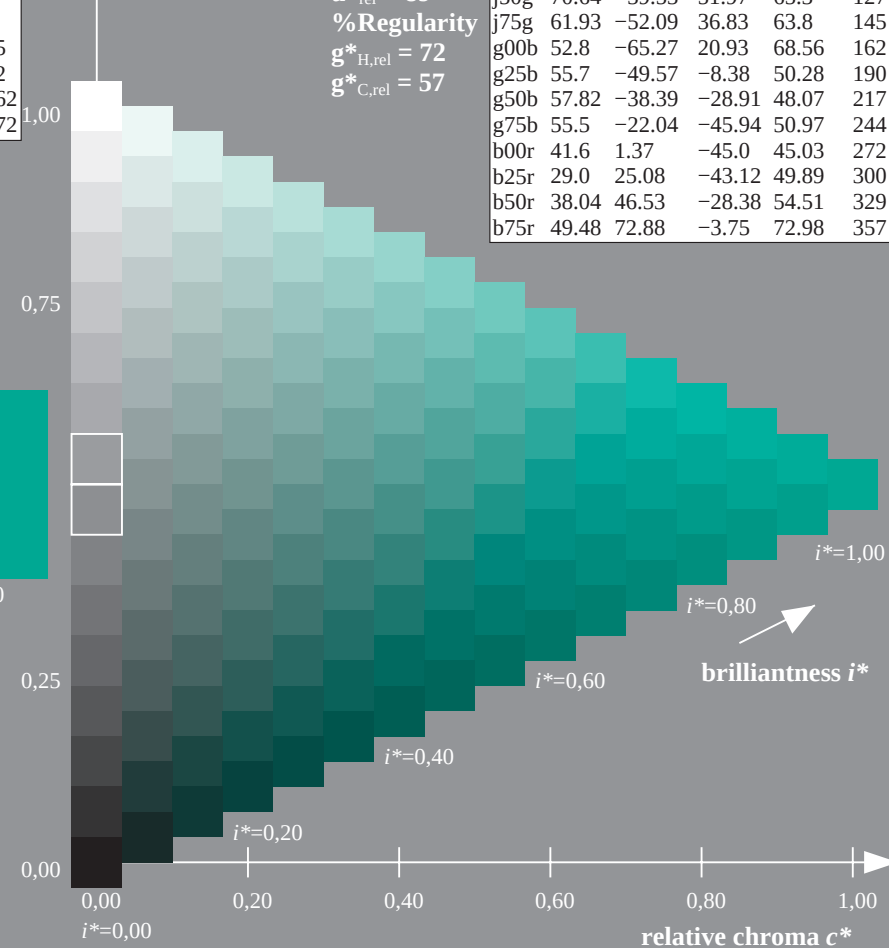
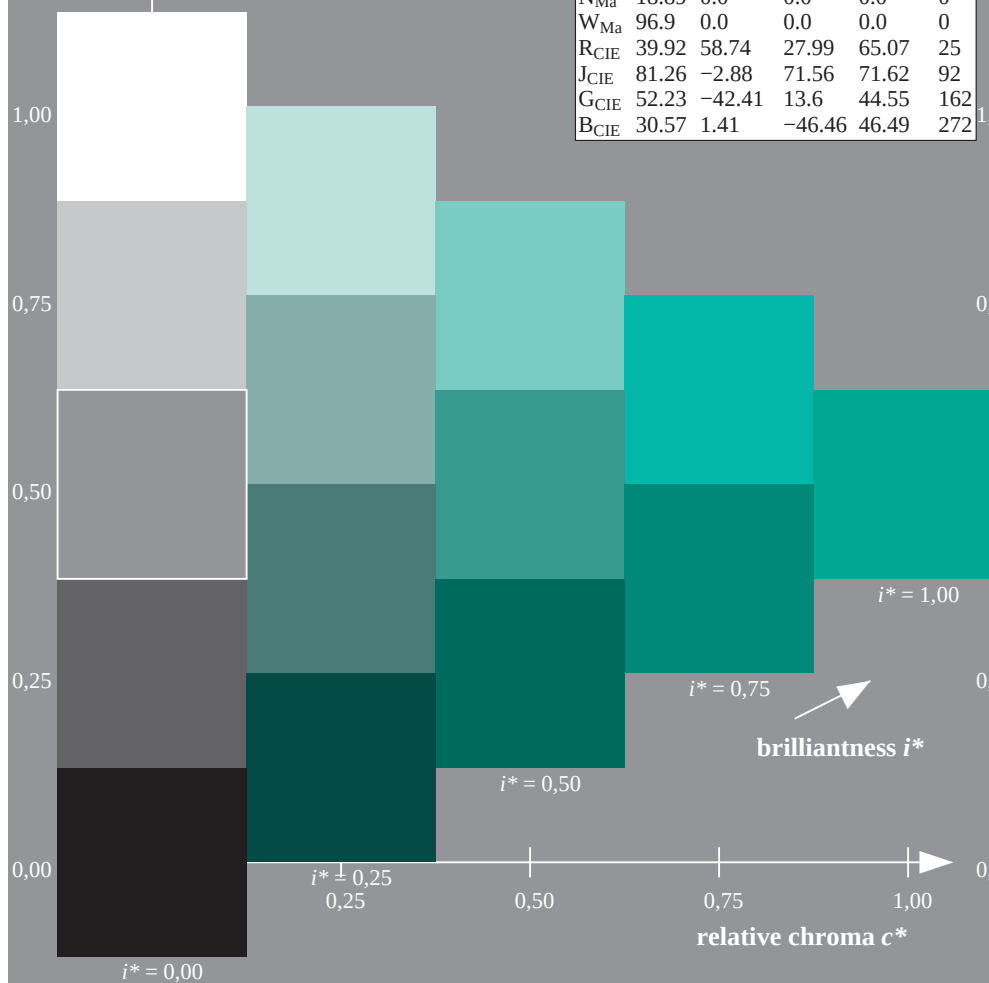
$u^*_{rel} = 89$

%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^*

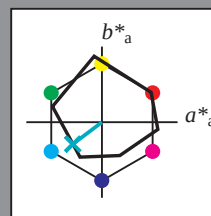
elementary hue text:

$u^* = g50b$

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

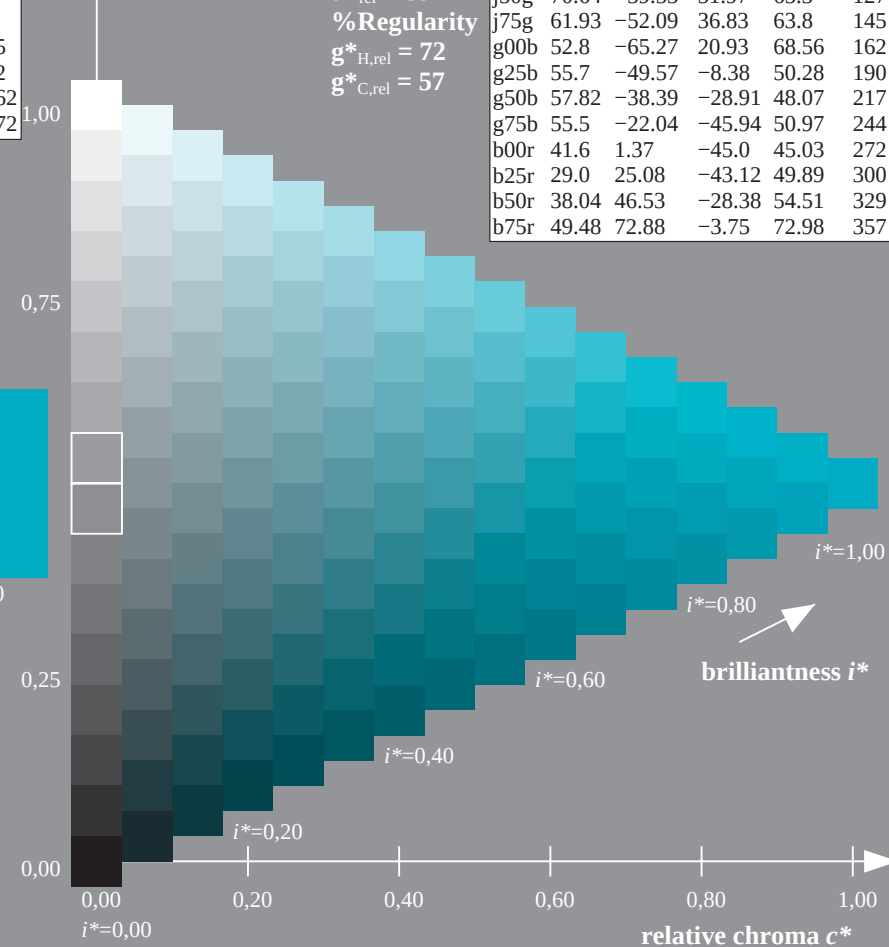
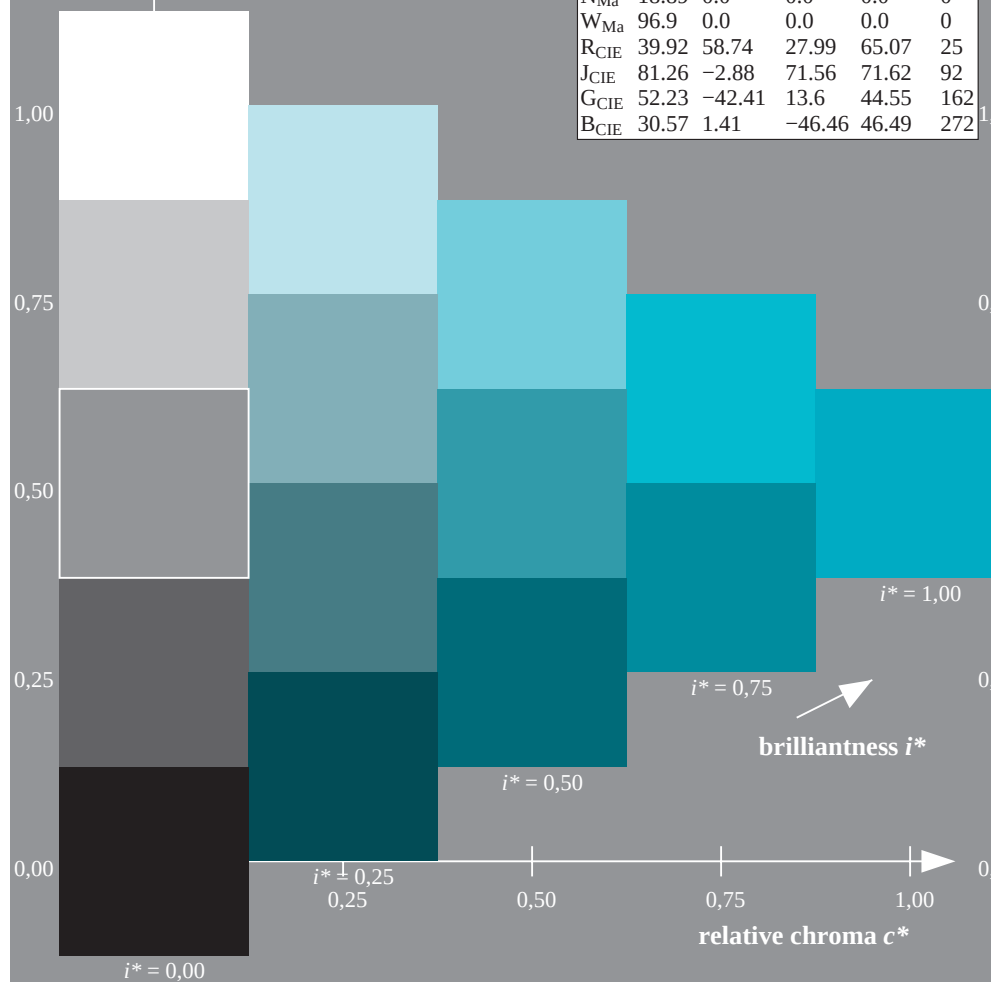
$u^*_{rel} = 89$

%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^*

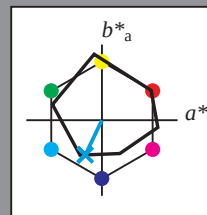
elementary hue text:

$u^* = g75b$

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

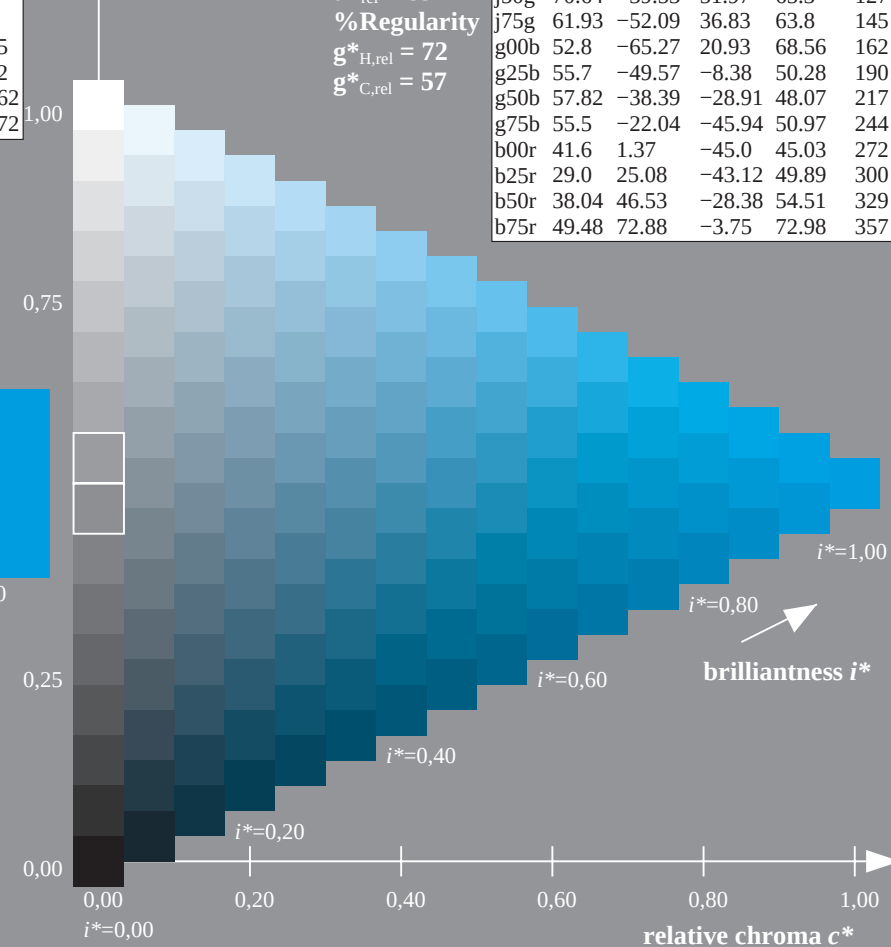
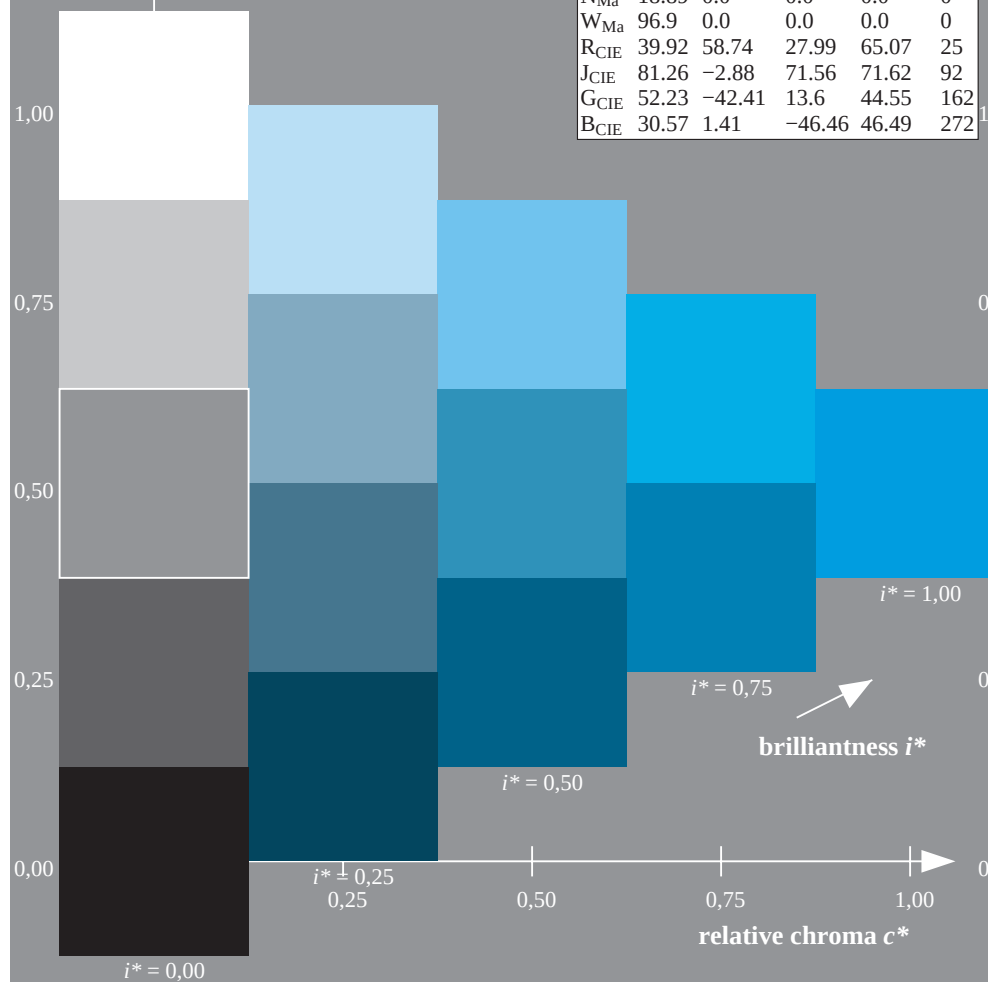
$u^*_{rel} = 89$

%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



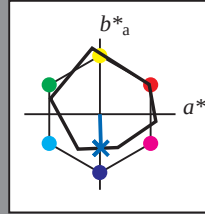
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$ data for any colour: Data for maximum colour (Ma):

*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*ICH*_M: 42 45 272

LAB LCH Ma. 42 43 2
Lab Lab 00 00 10

*lab*rgb*Ma: 0.0 0.0 1.0

lab*olv*Ma: 0.0 0.42 1.0

triangle lightness t^*

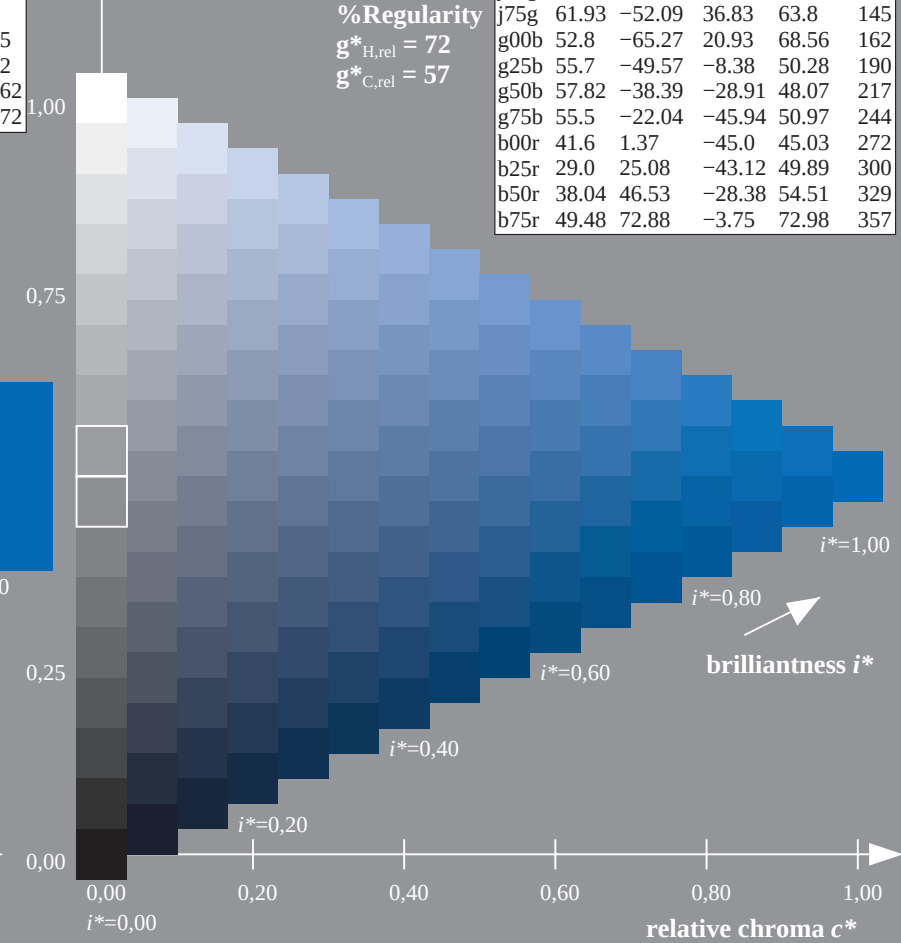
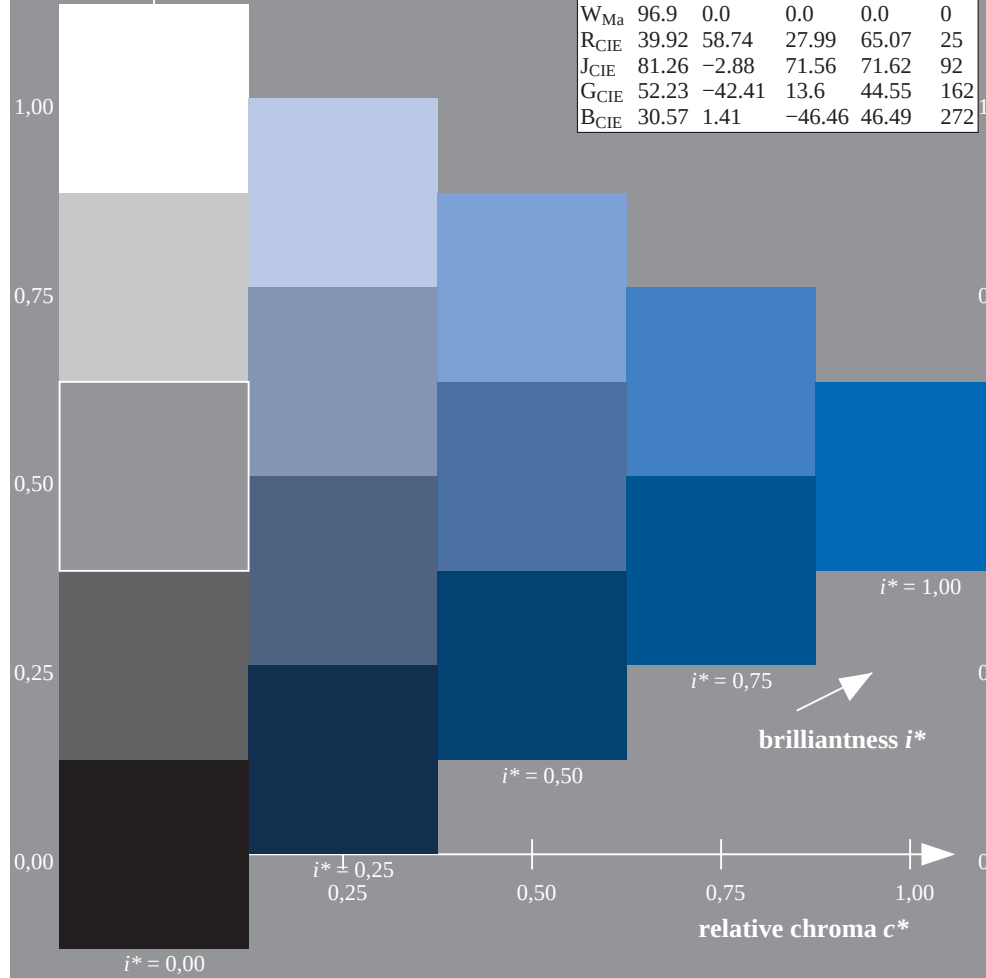
%Gamut

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

%Regularity

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

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



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^*

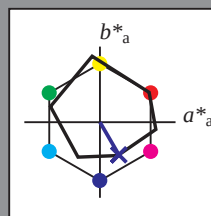
elementary hue text:

$u^* = b25r$

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

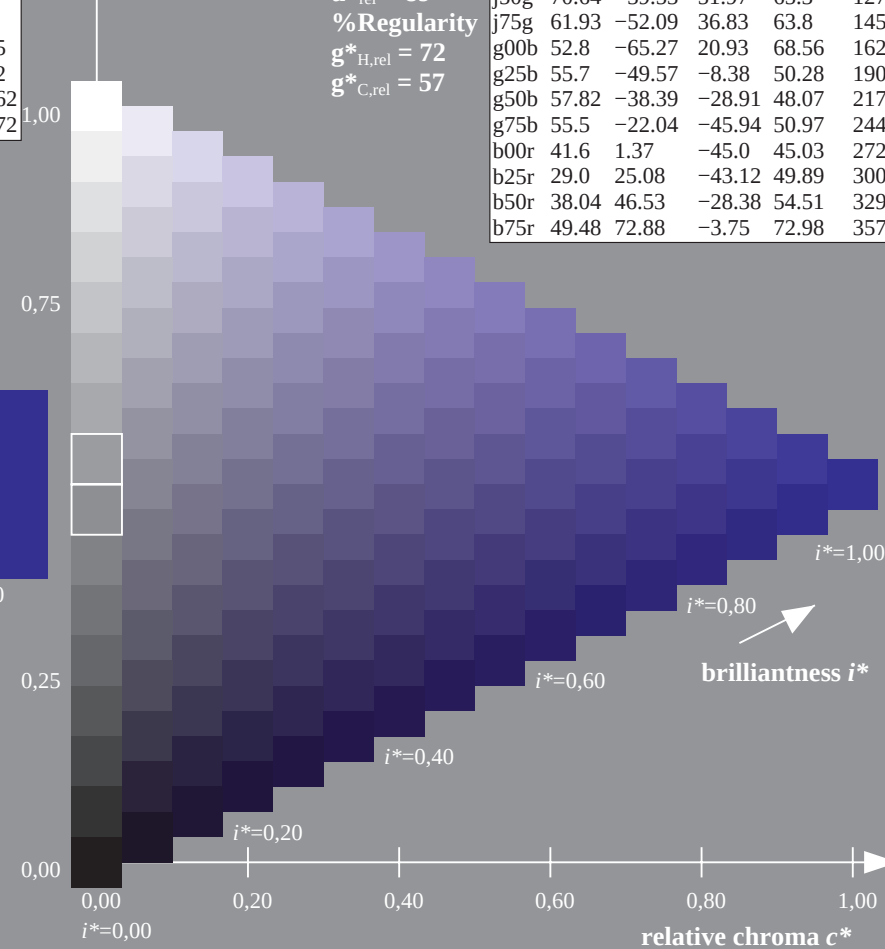
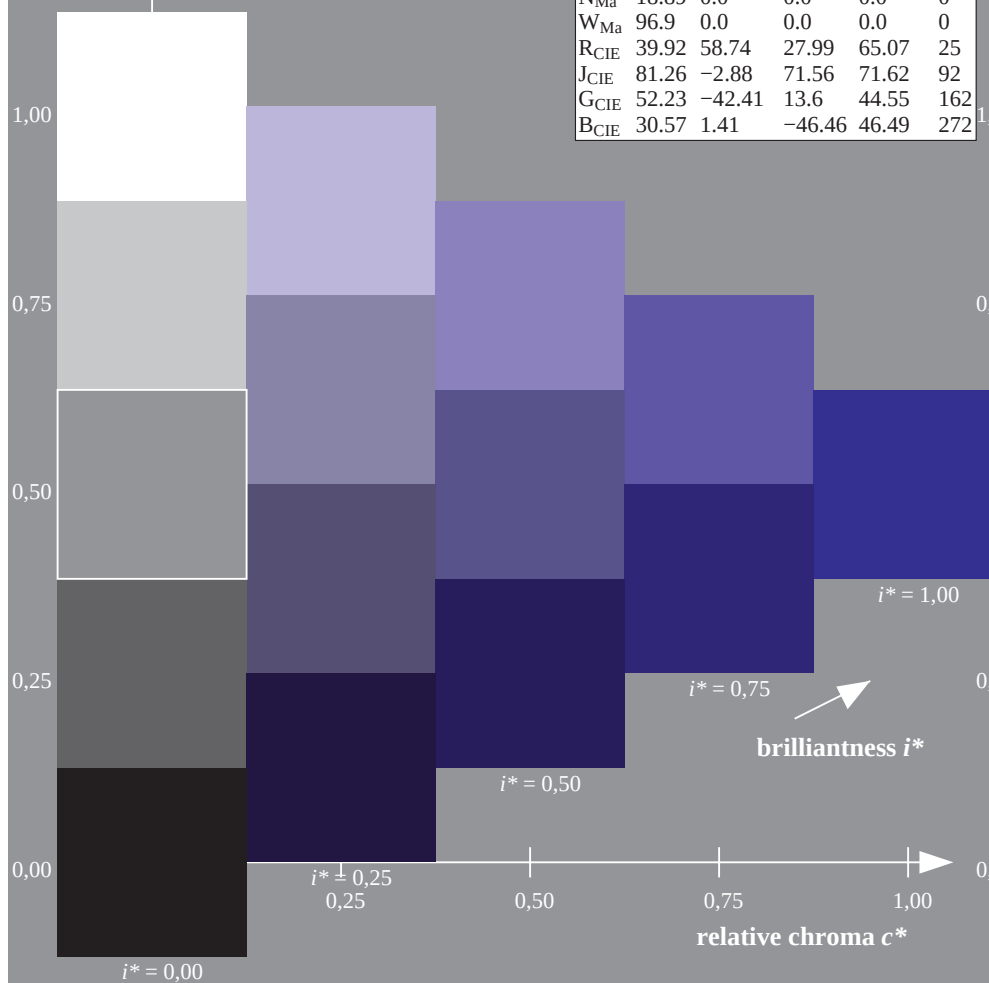
$u^*_{rel} = 89$

%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^*

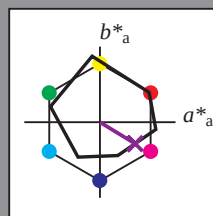
elementary hue text:

$u^* = b50r$

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

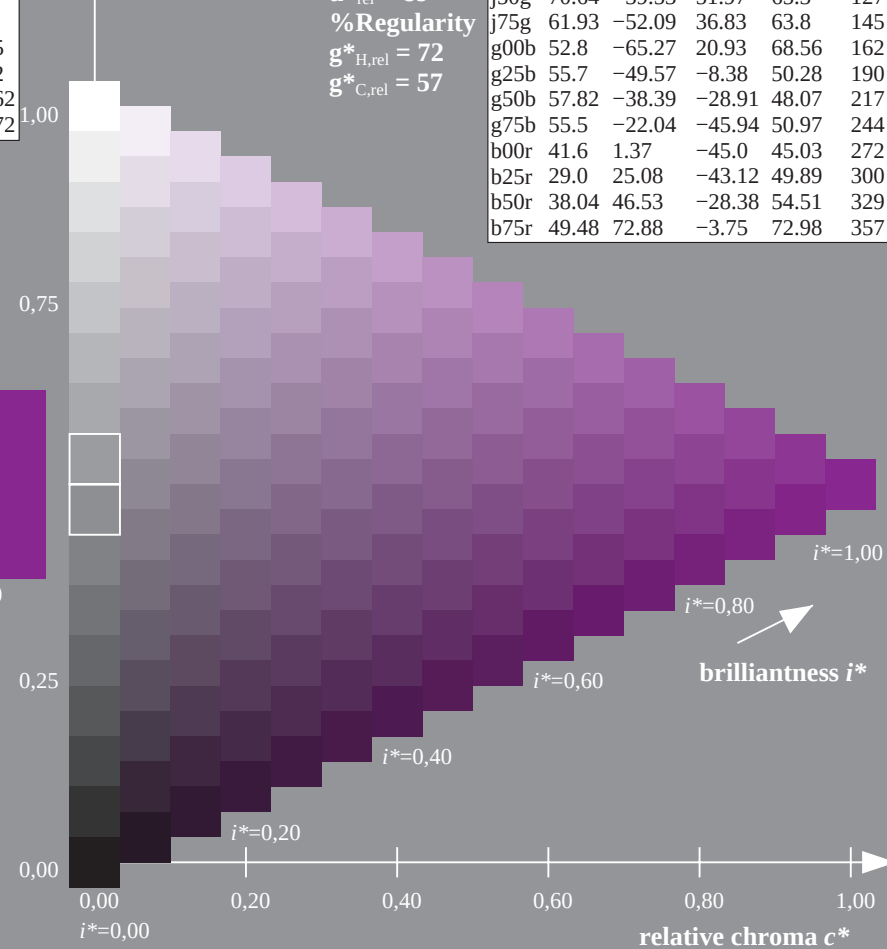
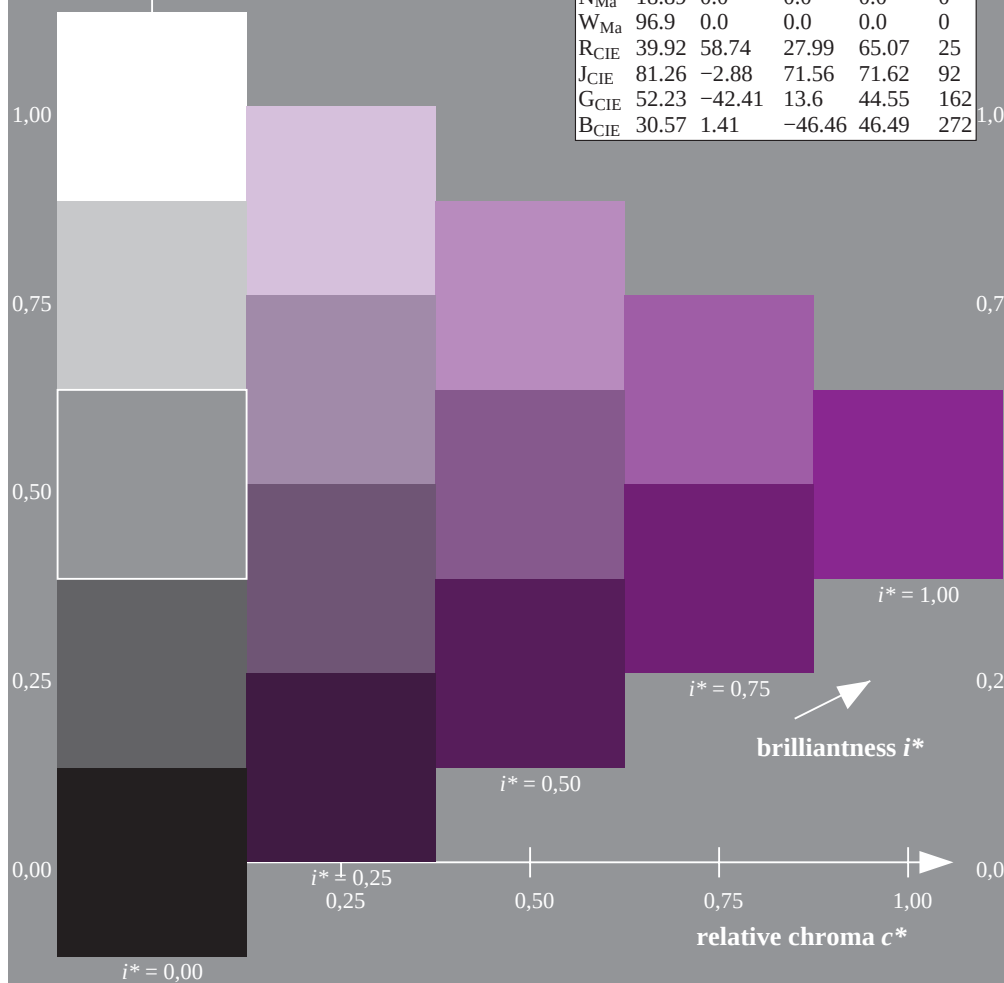
$u^*_{rel} = 89$

%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^*

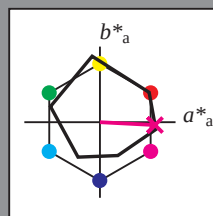
elementary hue text:

$u^* = b75r$

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

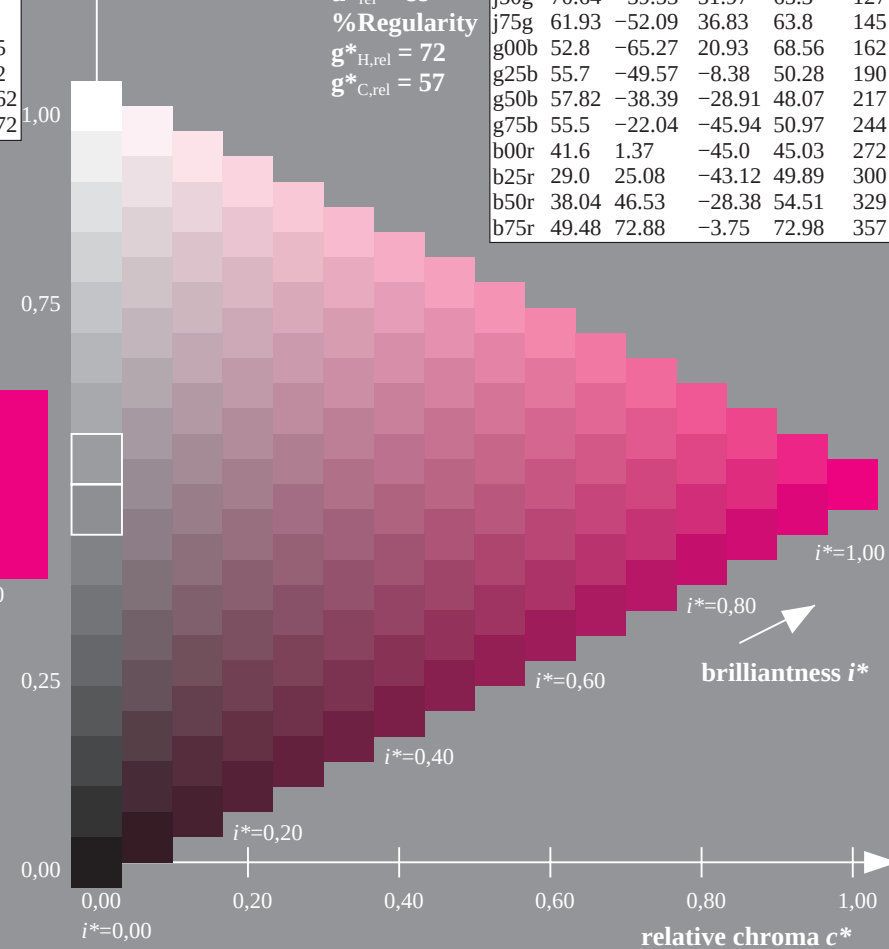
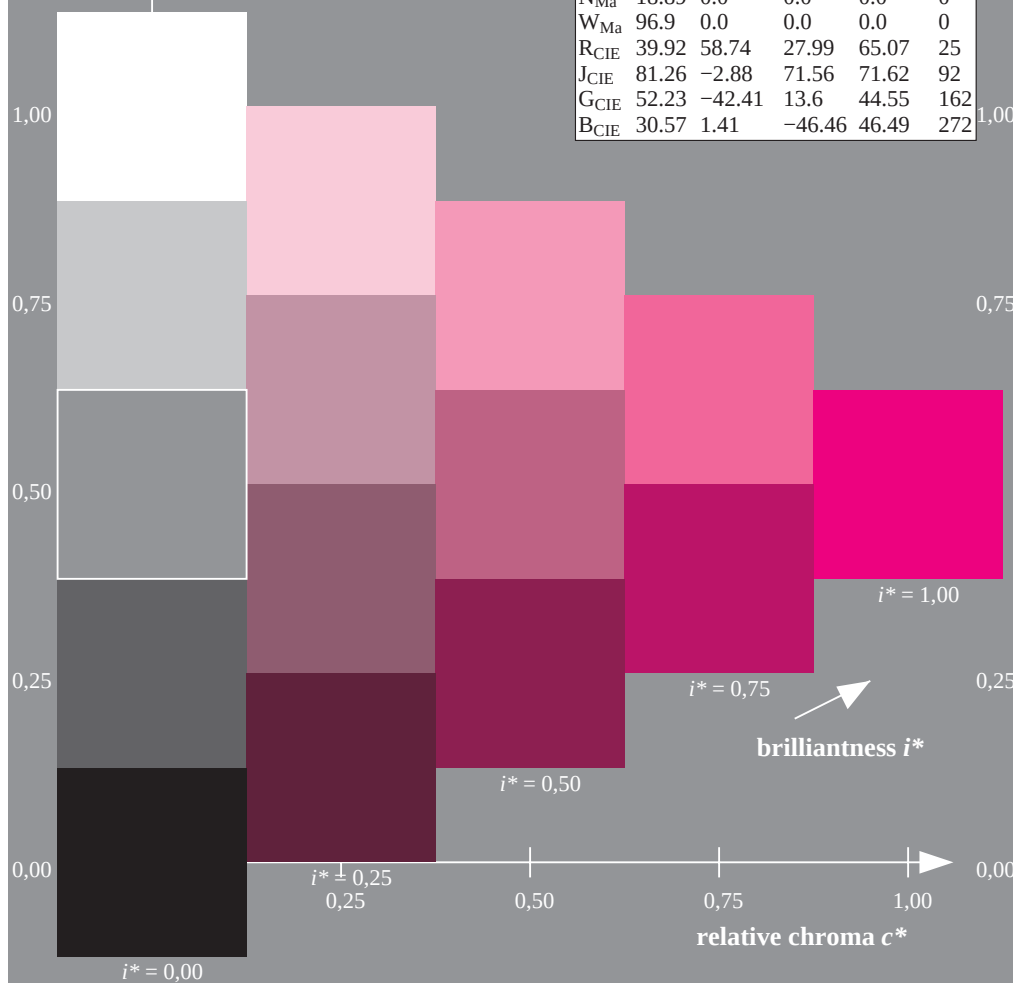
$u^*_{rel} = 89$

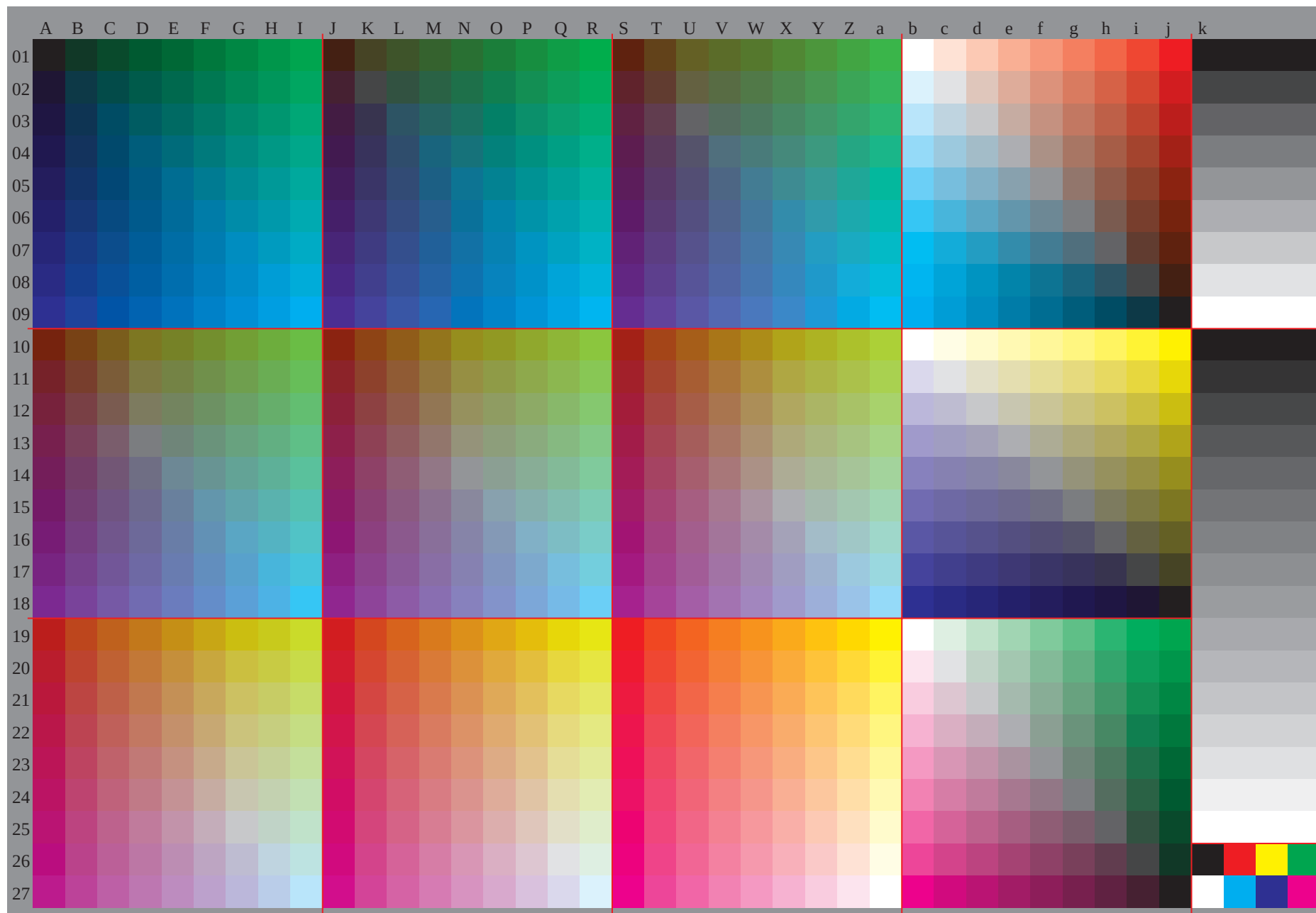
%Regularity

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

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

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

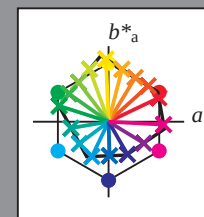




See for similar files: <http://www.ps.bam.de/De98/>; www.ps.bam.de/De.HTM
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=1

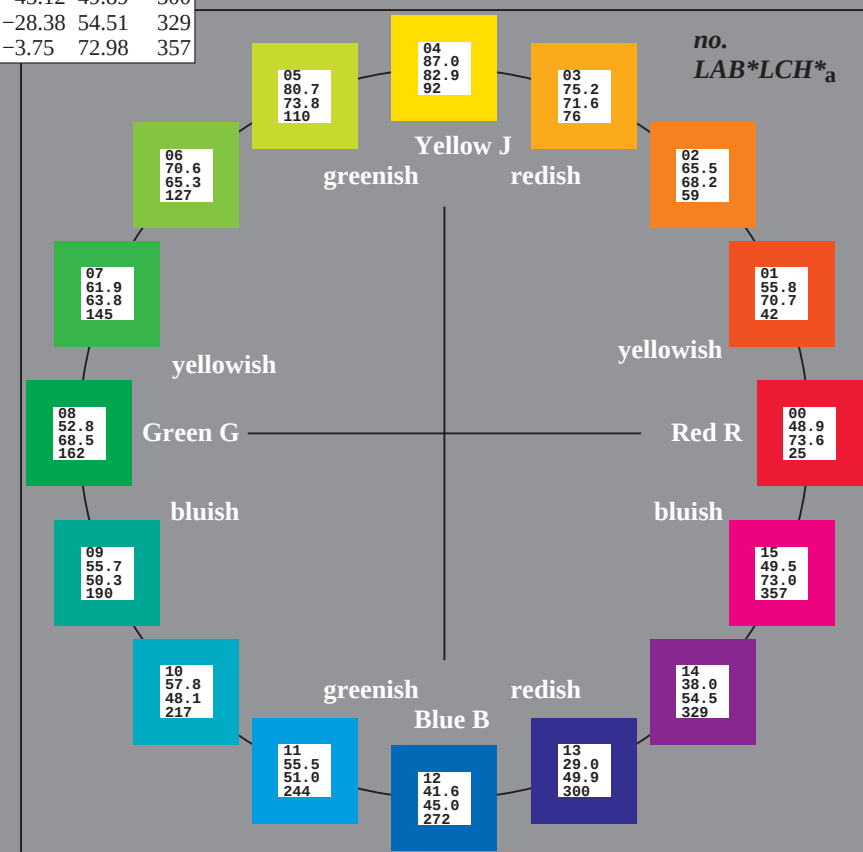
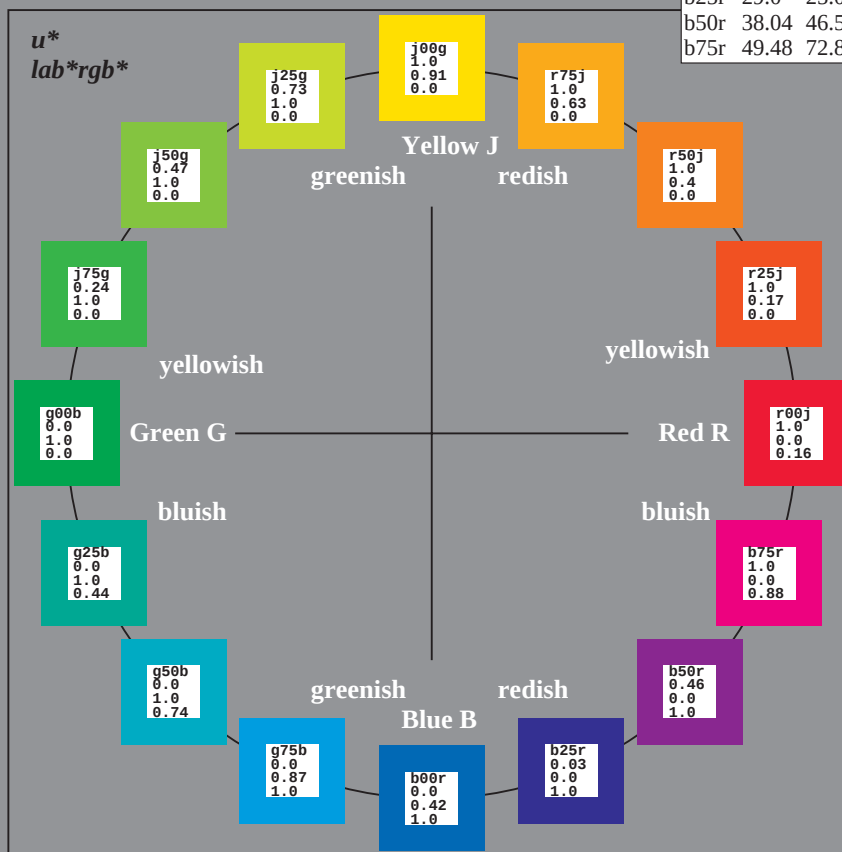
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
*lab*tch* and lab*icu**
elementary hue text:
u = 16 hues r00j, r25j, ..., b75r*
contrast reduction factor:
 $c_R = 1.0$

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^*

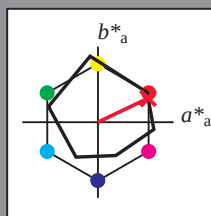
elementary hue text:

$u^* = r00j$

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^*

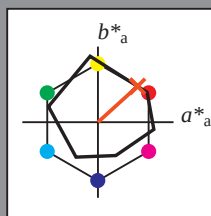
elementary hue text:

$u^* = r25j$

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^*

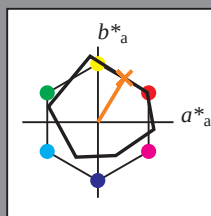
elementary hue text:

$u^* = r50j$

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^*

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

data for any colour:

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

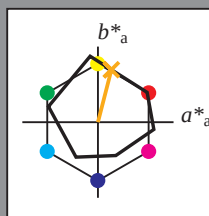
elementary hue text:

$$u^* = r75j$$

contrast reduction factor:

 $c_D = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	L^*_{a}	d^*_{a}	b^*_{a}	$C^*_{\text{ab,a}}$	$h^*_{\text{ab,a}}$
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*Ms: 75 18 69

LAB LAB	Ma.	75	16	69
LAB*LGH*		75	73	79

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

 $\sigma^*_{II,vol} = 72$
$$g^*_{C,rel} = 57$$

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**

BAM-test chart De98; Colorimetric systems, Page 41/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

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

BAM registration: 20080701-De98101/L98E00NA.PS/.TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

BAM material: code=rha4ta

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

data for any colour:

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

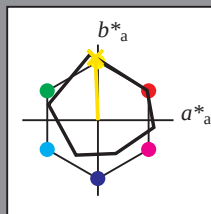
elementary hue text:

$u^* = j00g$

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):

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

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

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

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

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

data for any colour:

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

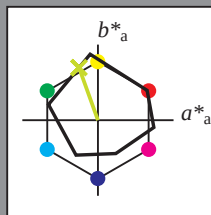
elementary hue text:

$u^* = j25g$

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^*

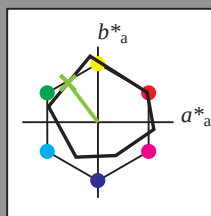
elementary hue text:

$u^* = j50g$

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, ColSp=1

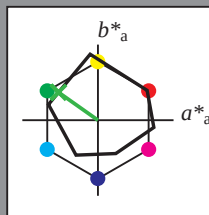
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$ data for any colour: Data for maximum colour (Ma):

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

elementary hue text:

$$u^* = j75g$$

contrast reduction factor:

$$c_R = 1.0$$
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):

$LAB*LAB*M_2: 62 \quad -51 \quad 37$

LAP*ICH* - : 62 64 145

LABLCH**_{Ma}: 62 64 14**

*lab*rgb*_Ma: 0.25 1.0 0.0*

lab*olv*_Ma: 0.24 1.0 0.0

triangle lightness t^*

triangle rightness:

%Gamut

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

%Regularity

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

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

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: ->cmyn5* setcmykcolor
```

BAM registration: 20080701-De98101/L98E00NA.PS/.TXT BAM material: code=rha4ta
 application for evaluation and measurement of printer or monitor systems

BAM material: code=rh4ta

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^*

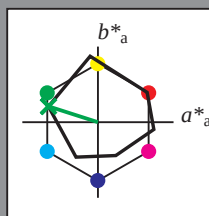
elementary hue text:

$u^* = g00b$

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^*

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^*

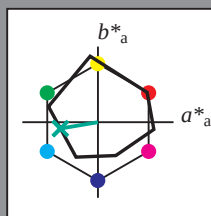
elementary hue text:

$u^* = g25b$

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

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/L98E00NA.PS/.TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

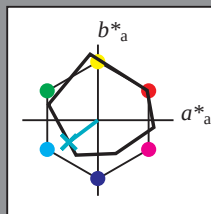
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$ data for any colour: Data for maximum colour (Ma):

*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* M_2 : 58 -37 -28

LAP*ICH* - : 58 48 217

LAB* LCH*Ma: 58 48 2

*lab*rgb*_Ma: 0.0 1.0 1.0*

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

triangle lightness t^*

triangle rightness:

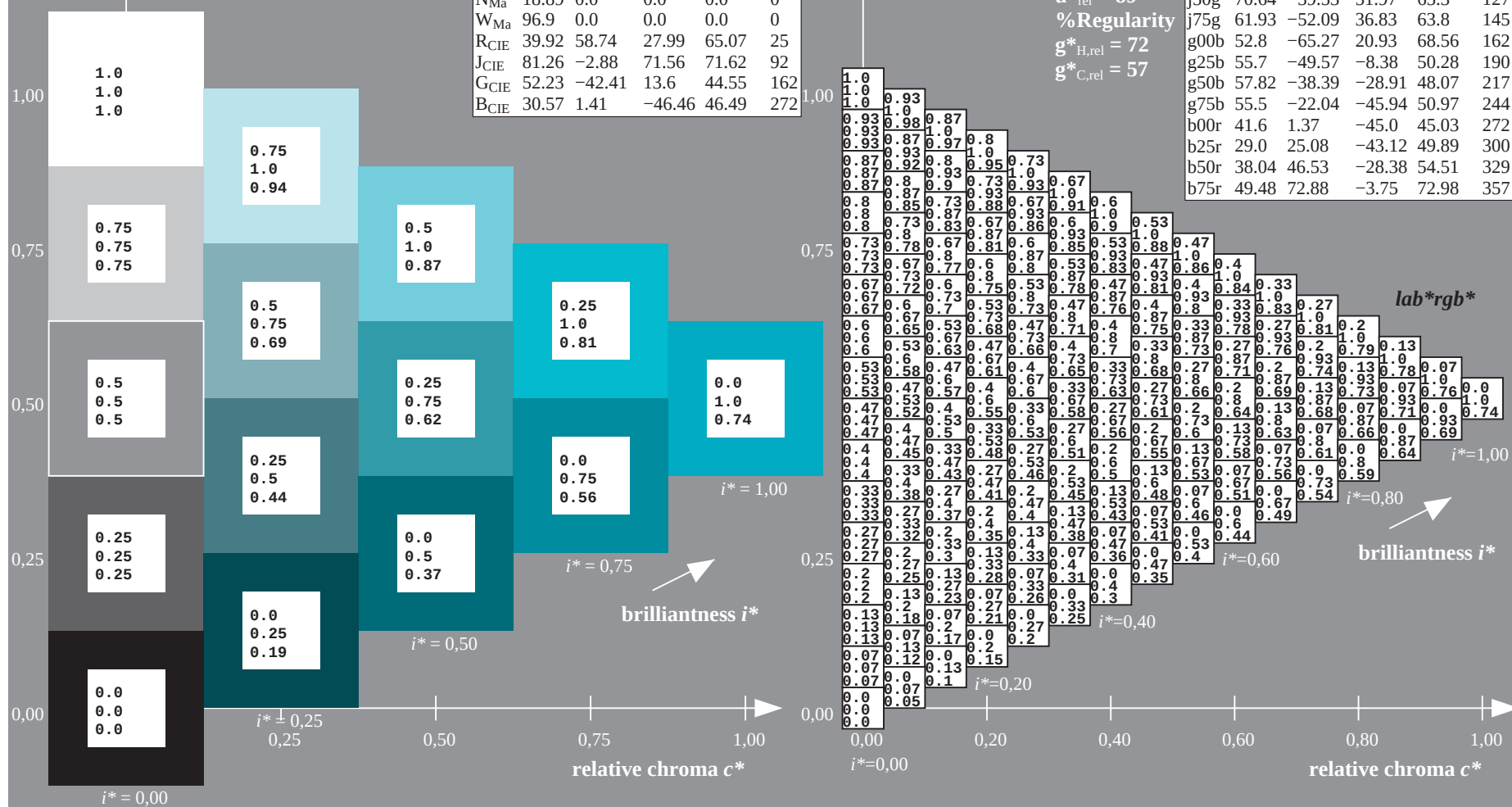
%Gamut

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

%Regularity

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

ORS19_96a; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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 48/180
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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

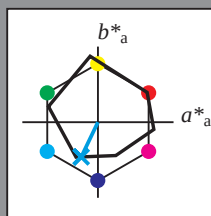
elementary hue text:

$u^* = g75b$

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^*

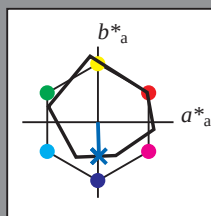
elementary hue text:

$u^* = b00r$

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^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

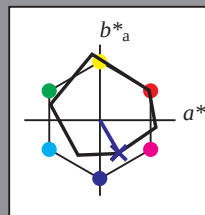
Version 2.1, io=1,1, ColSpx=1

BAM material: code=rh4ta
r systems

data for any colour:

elementary hue text:

contrast reduction factor:

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}	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*M₂: 29 25 -42

LAB*ICH* : 20 50 300

LAB LCH Ma: 29 30 31

*lab*rgb**Ma: 0.5 0.0 1.0

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

triangle lightness t^*

30

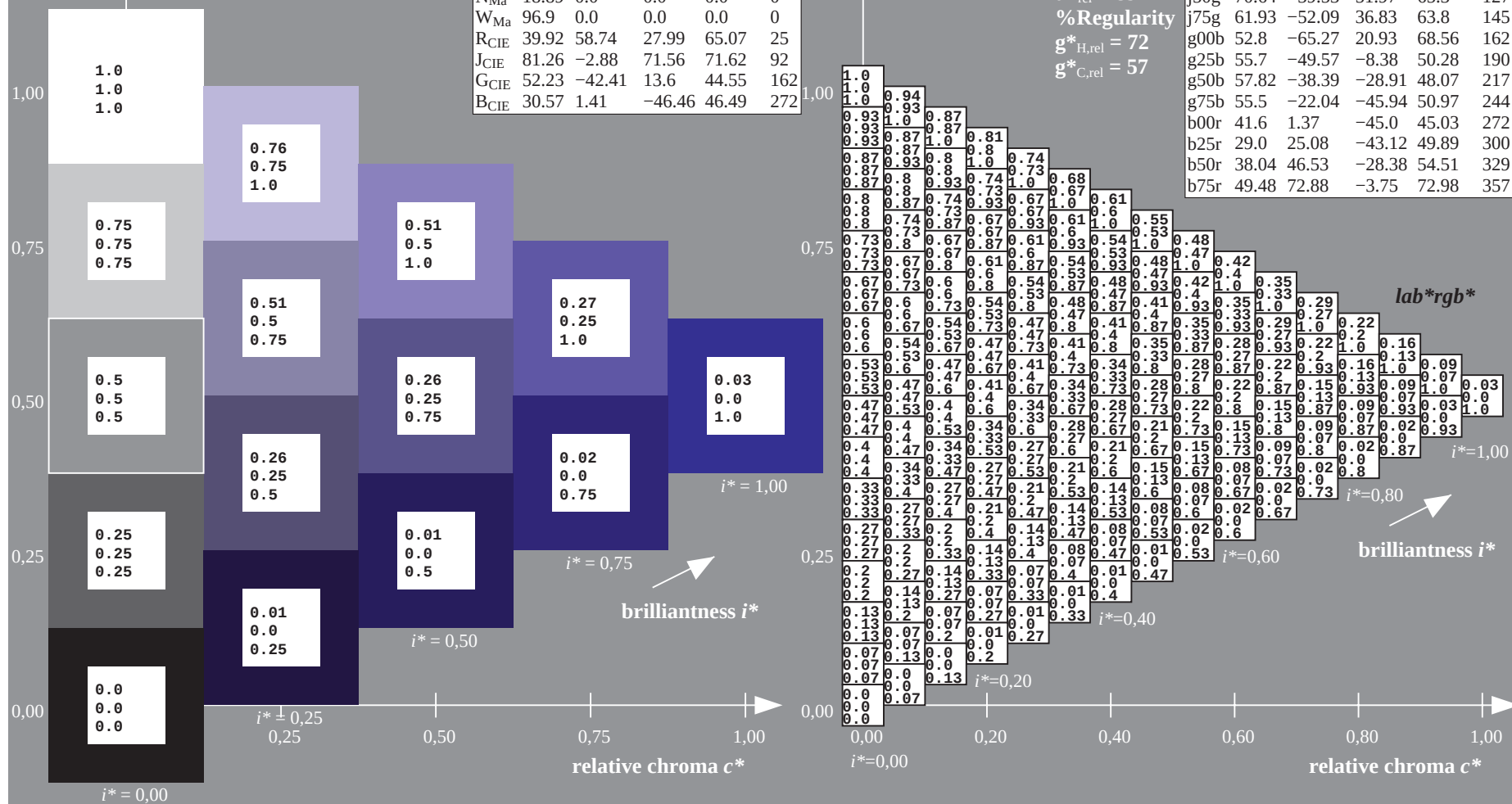
%Gamut

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

%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 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^*

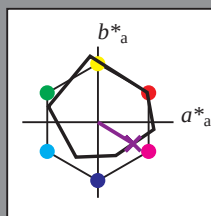
elementary hue text:

$u^* = b50r$

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

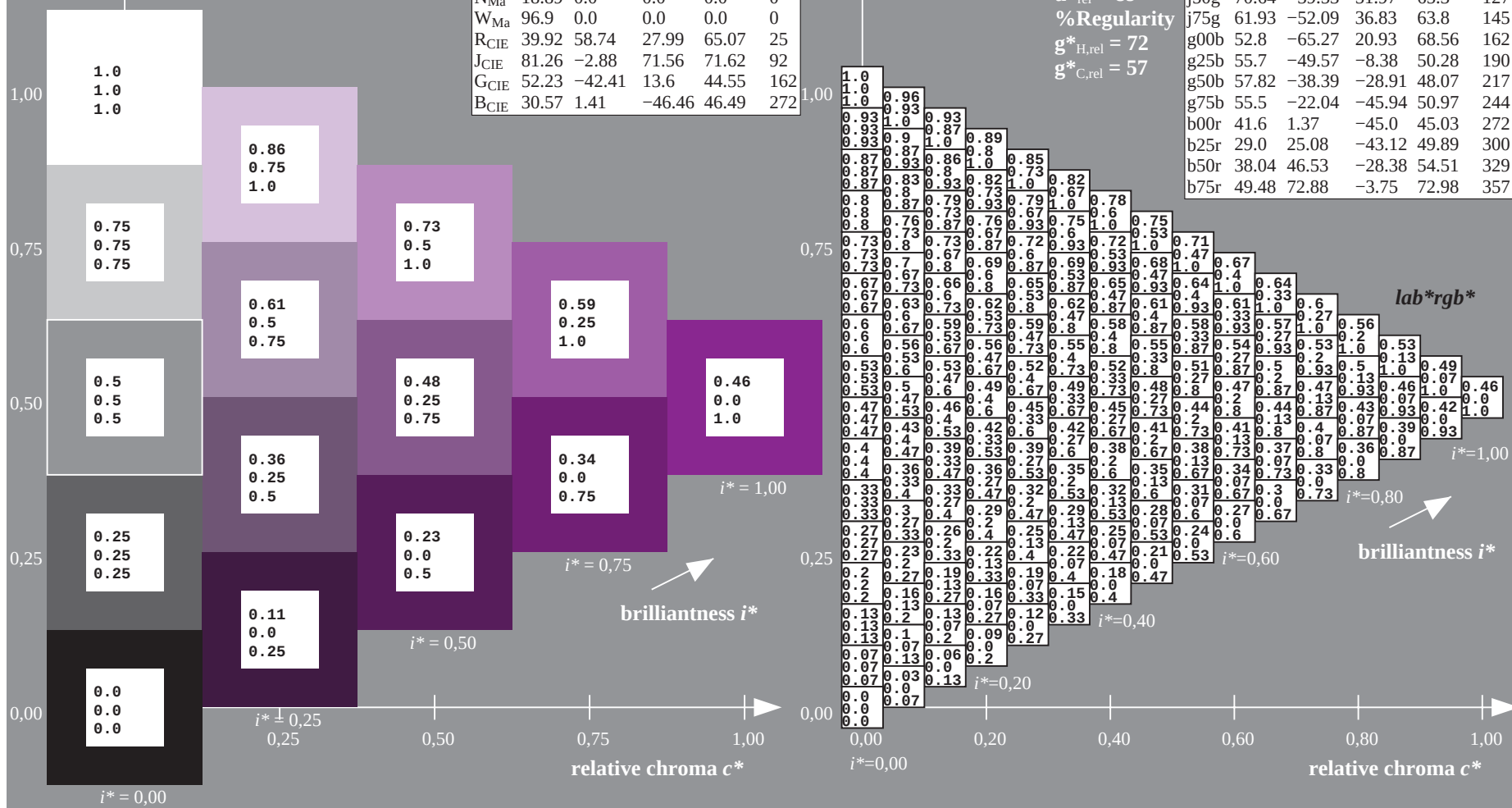
$u^*_{rel} = 89$

%Regularity

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

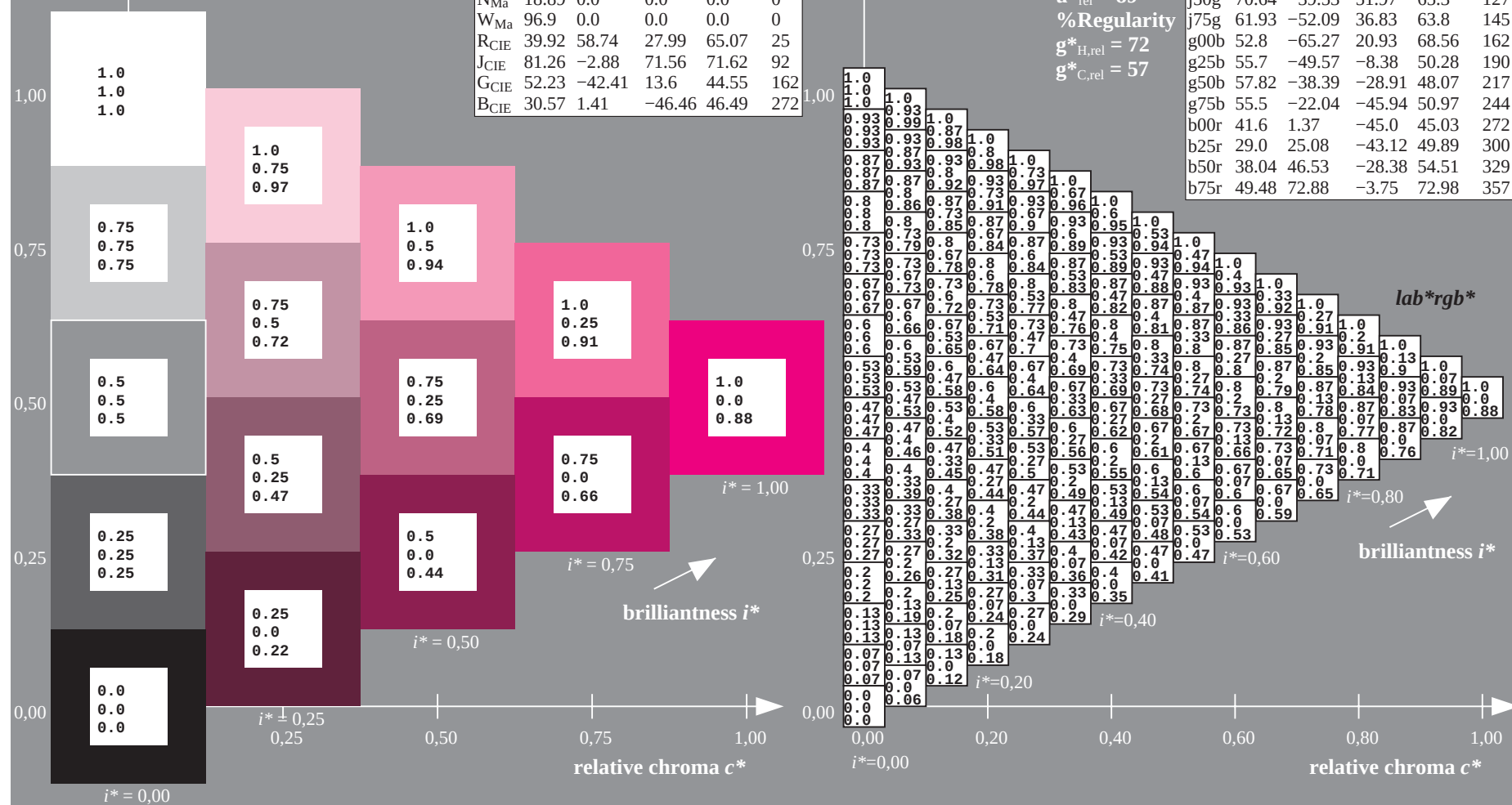
$g^*_{C,rel} = 57$

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



triangle lightness t^* 

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 53/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

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

BAM registration: 20080701-De98/10/L/98E00NA.PS/.TXT BAM material: code=rh4ta
+ application for evaluation and measurement of printer or monitor systems

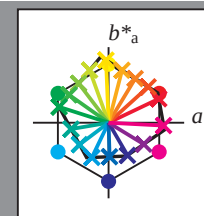
See for similar files: <http://www.ps.bam.de/De98/>; www.ps.bam.de/De.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=1

See for similar files: <http://www.ps.bam.de/De98/>; www.ps.bam.de/De98/10L/L98E00NA.PS/.TXT
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=1

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0		
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	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	0.1	0.88	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	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	
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	0.13	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	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	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	0.13	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	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		
	0.13	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	0.38	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	0.5		
	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	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	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	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	0.13	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	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	0.25	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	0.75	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	0.13	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	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	0.13	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	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	0.0	
	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	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	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	1.0	1.0	1.0	1.0	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	0.88	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	0.25	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	0.07	0.07	0.07	0.07					

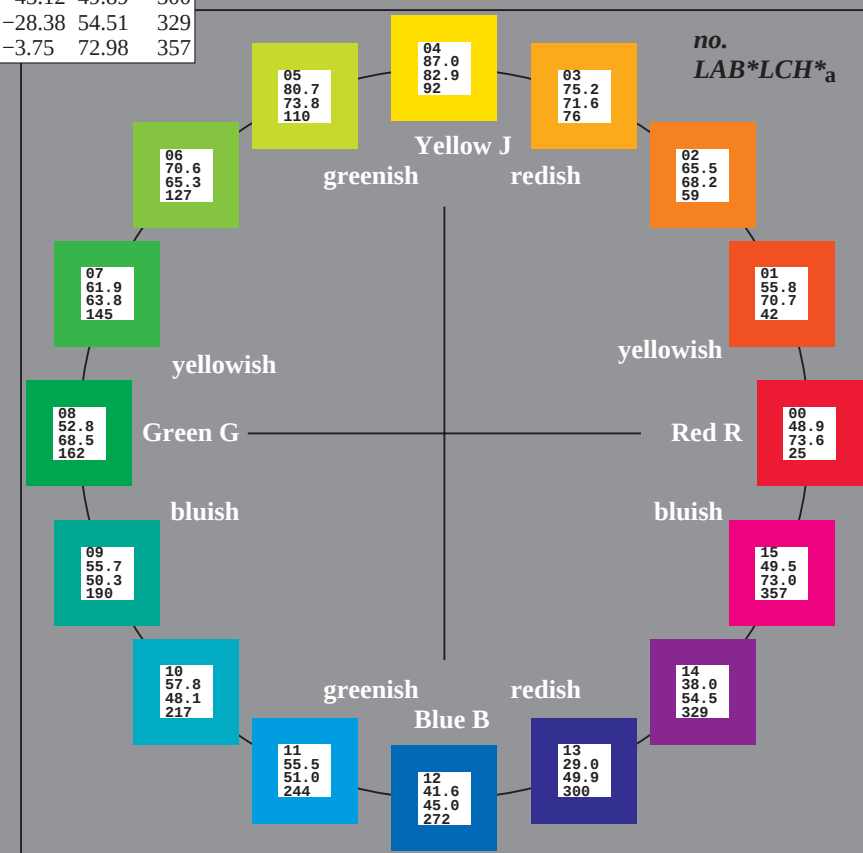
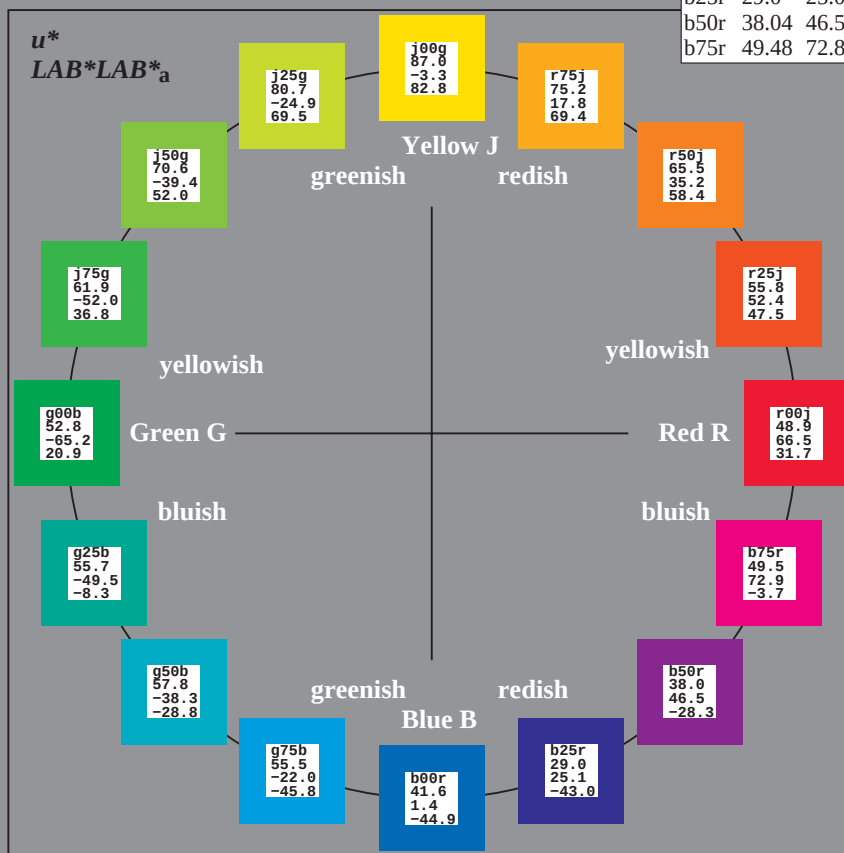
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
*lab*tch* and lab*icu**
elementary hue text:
u = 16 hues r00j, r25j, ..., b75r*
contrast reduction factor:
 $c_R = 1.0$

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^*

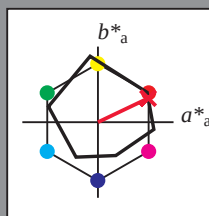
elementary hue text:

$u^* = r00j$

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

$LAB^*LAB^*_a$

$i^* = 1.00$

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^*

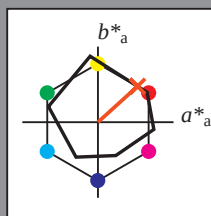
elementary hue text:

$u^* = r25j$

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^*

relative chroma c^*

$i^* \pm 0.25$

0.25

0.50

0.75

1.00

$i^* = 0.00$

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^*

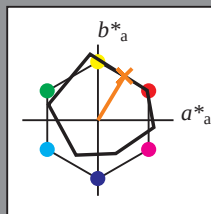
elementary hue text:

$u^* = r50j$

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

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

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^*

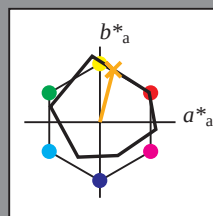
elementary hue text:

$u^* = r75j$

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

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

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

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^*

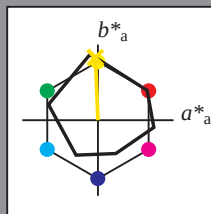
elementary hue text:

$u^* = j00g$

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

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

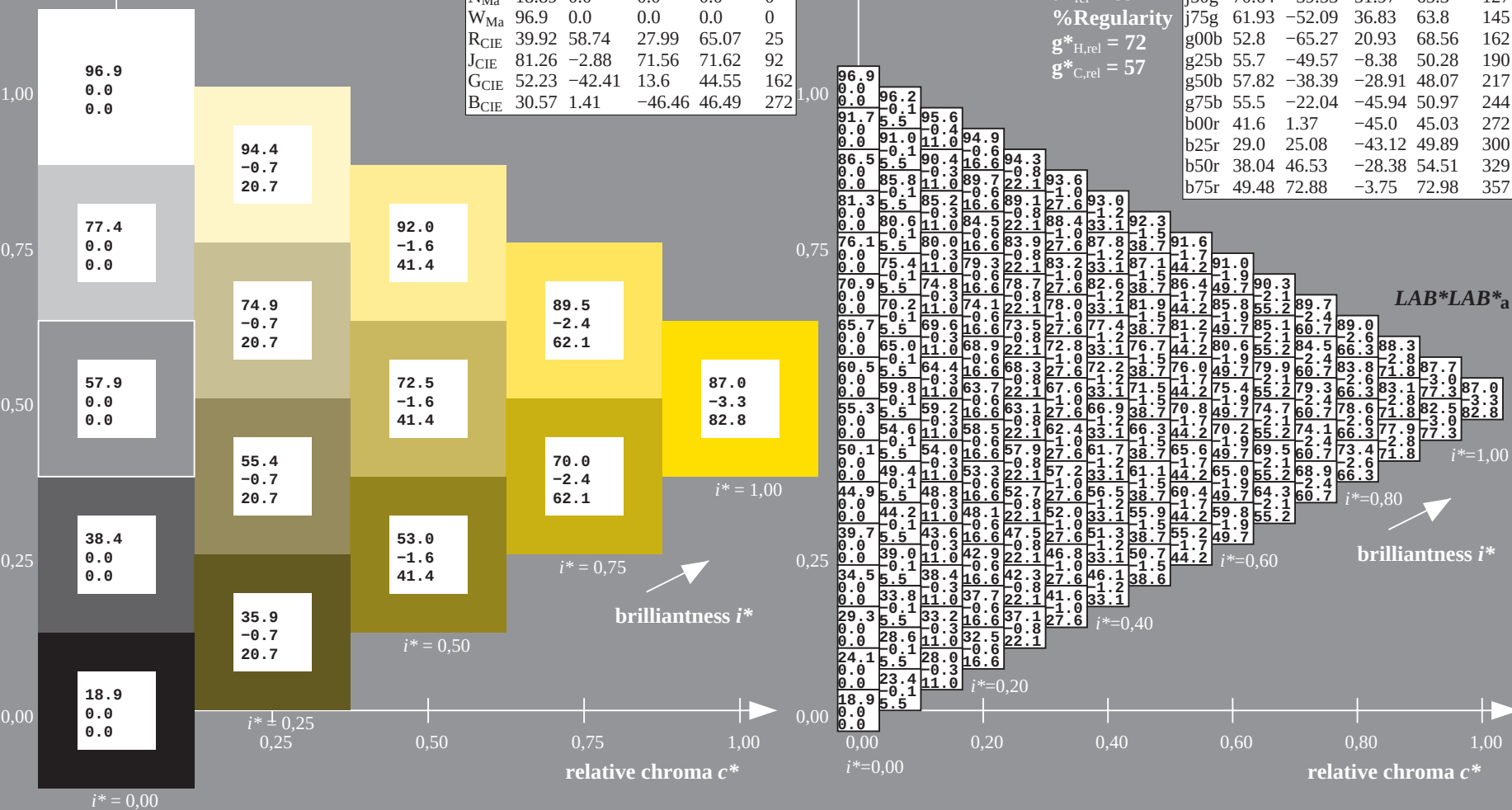
$g^*_{C,rel} = 57$

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

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

$i^* = 1.00$

brilliantness i^*



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

data for any colour:

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

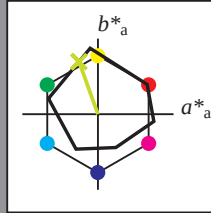
elementary hue text:

$u^* = j25g$

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):

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

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

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

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

triangle lightness t^*

%Gamut

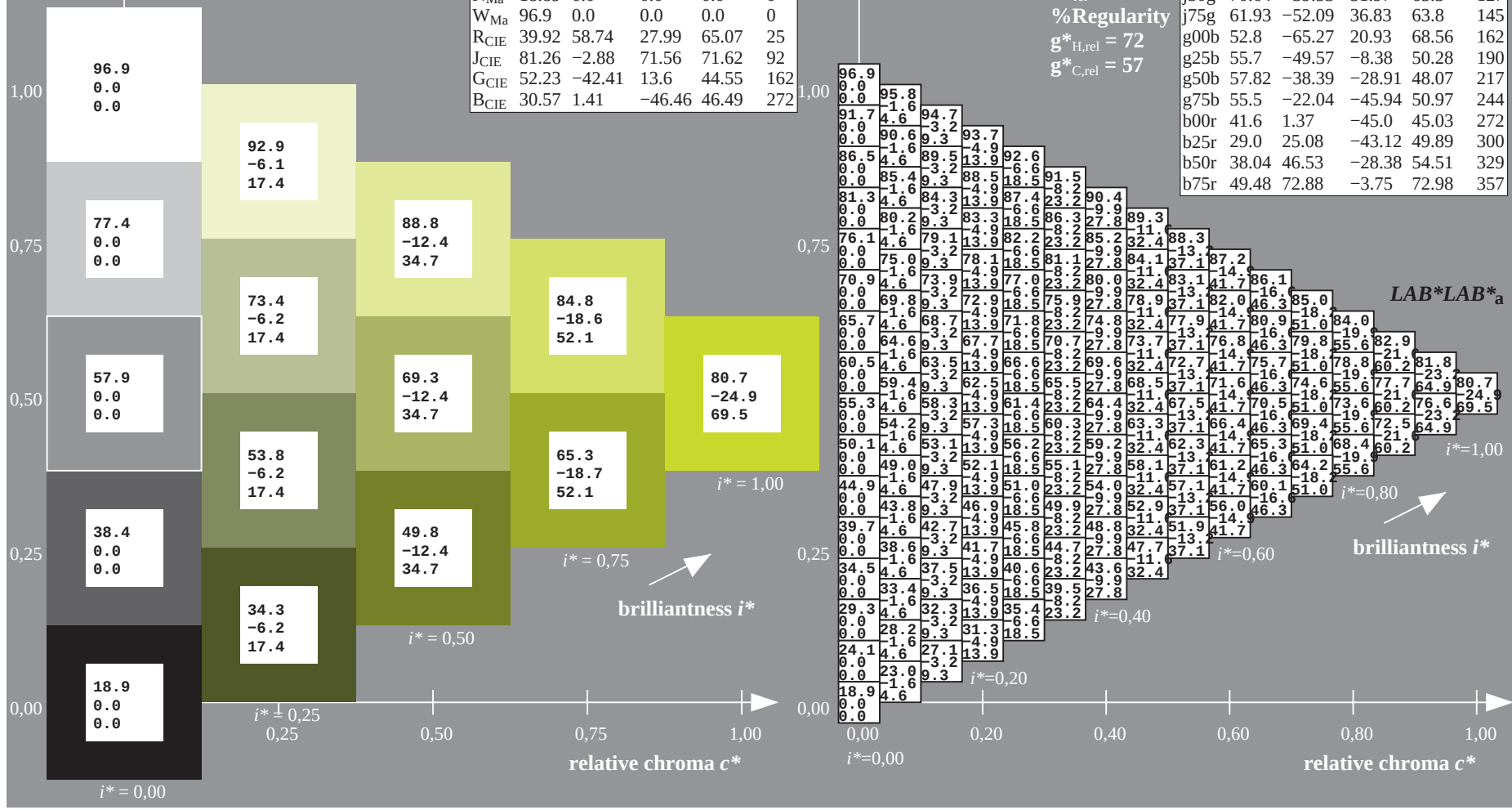
$u^*_{\text{rel}} = 89$

%Regularity

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

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

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

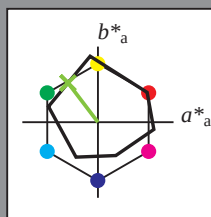
elementary hue text:

$u^* = j50g$

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

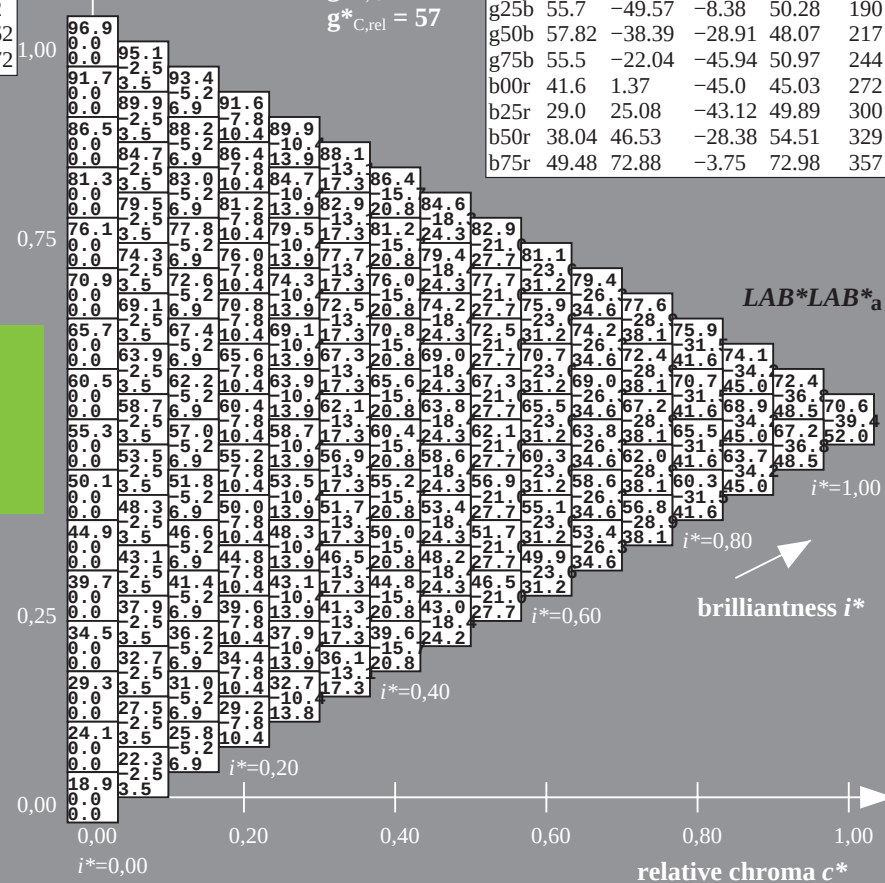
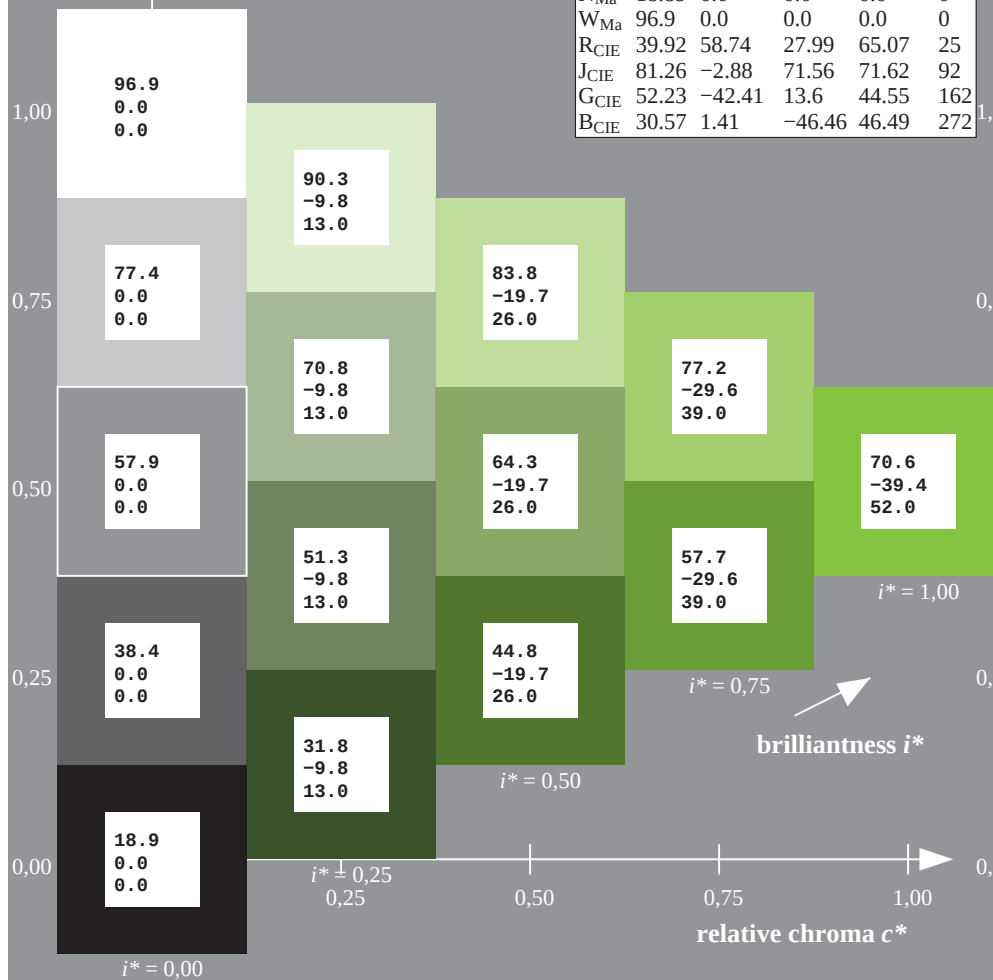
$u^*_{rel} = 89$

%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^*

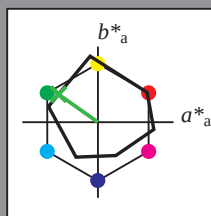
elementary hue text:

$u^* = j75g$

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^*

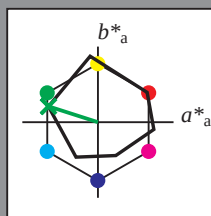
elementary hue text:

$u^* = g00b$

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

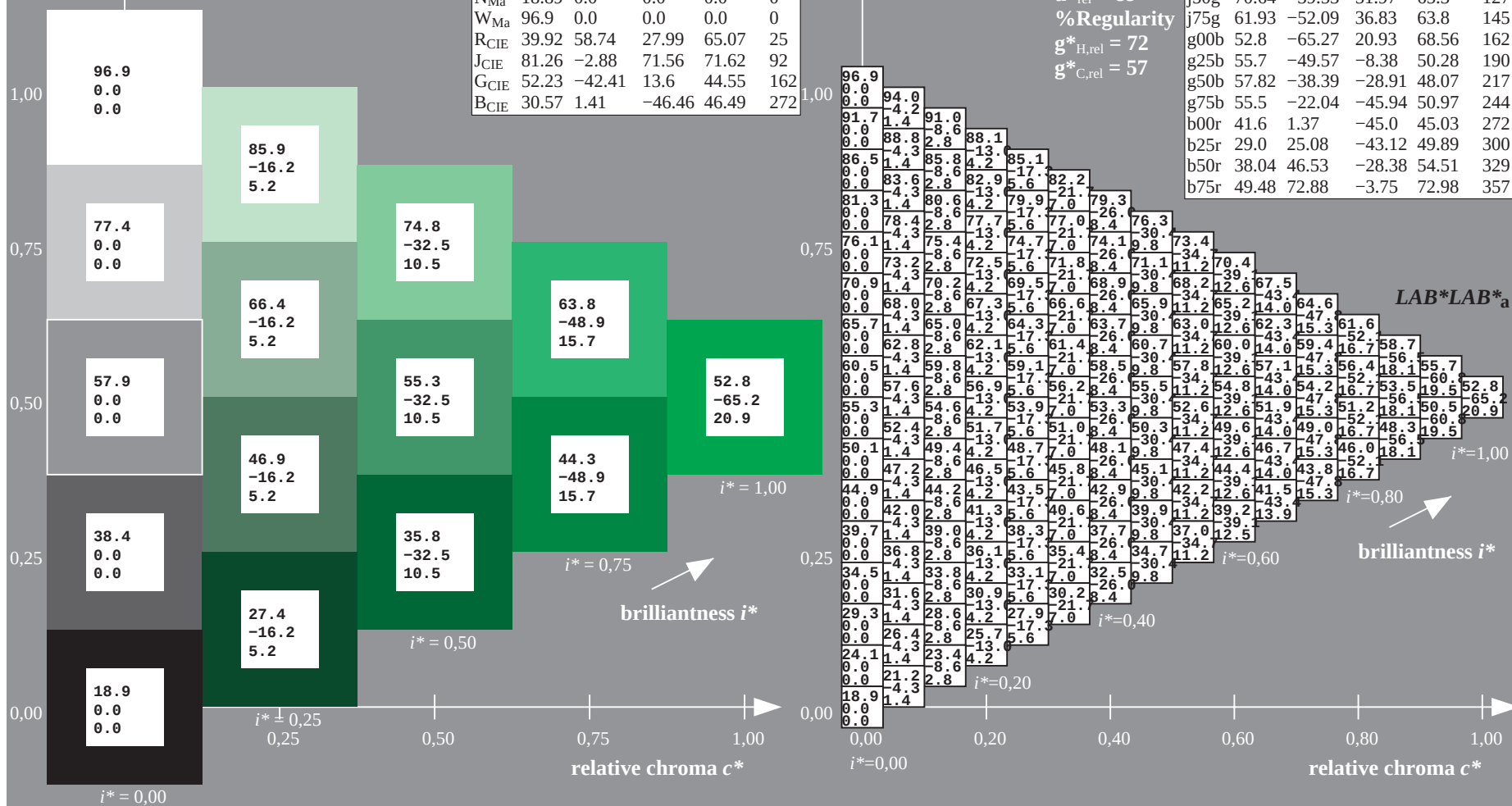
$u^*_{rel} = 89$

%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^*

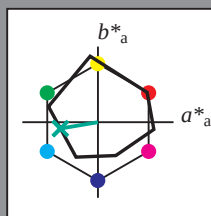
elementary hue text:

$u^* = g25b$

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

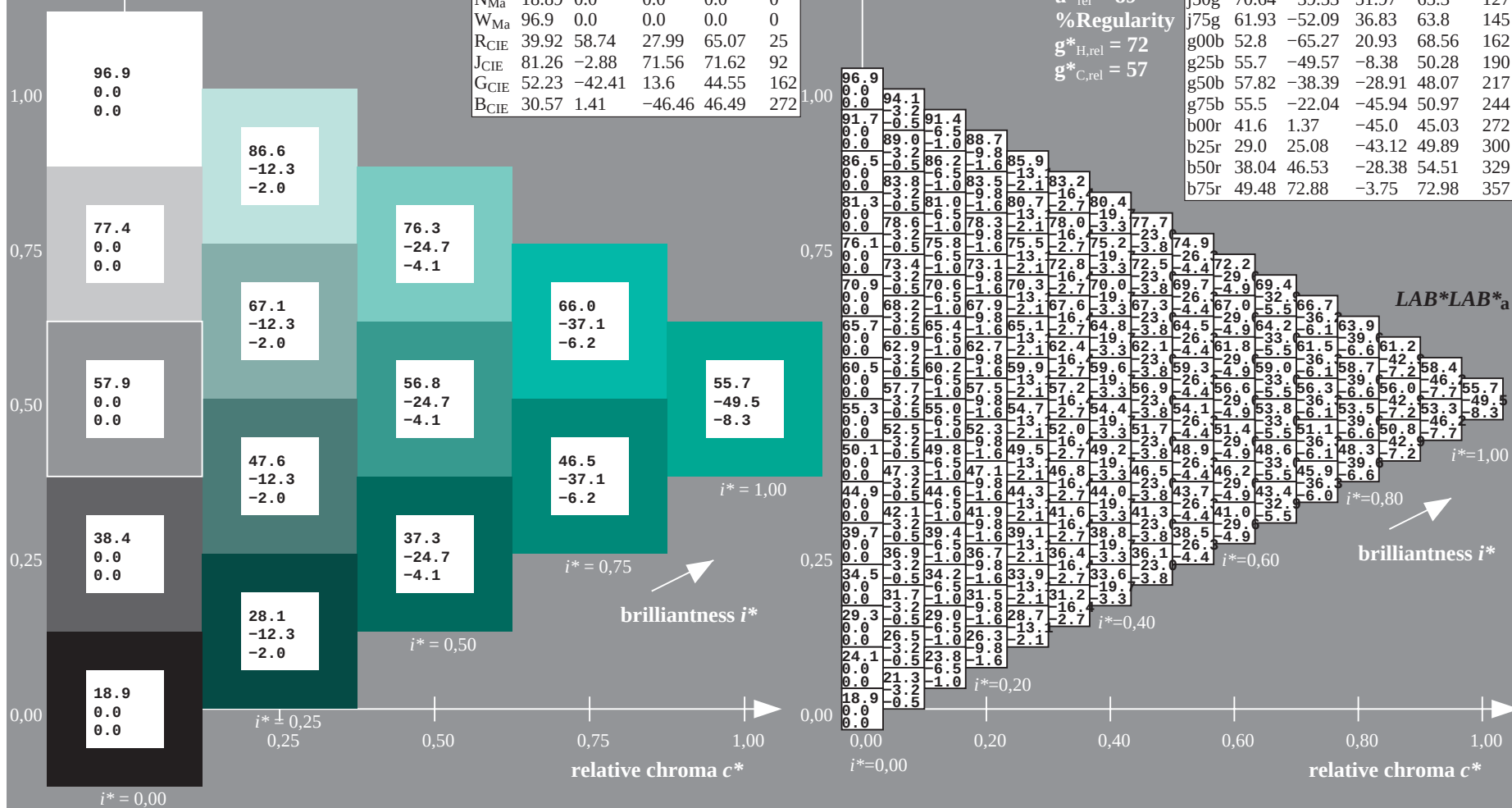
$u^*_{rel} = 89$

%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^*

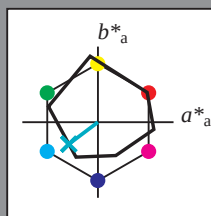
elementary hue text:

$u^* = g50b$

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

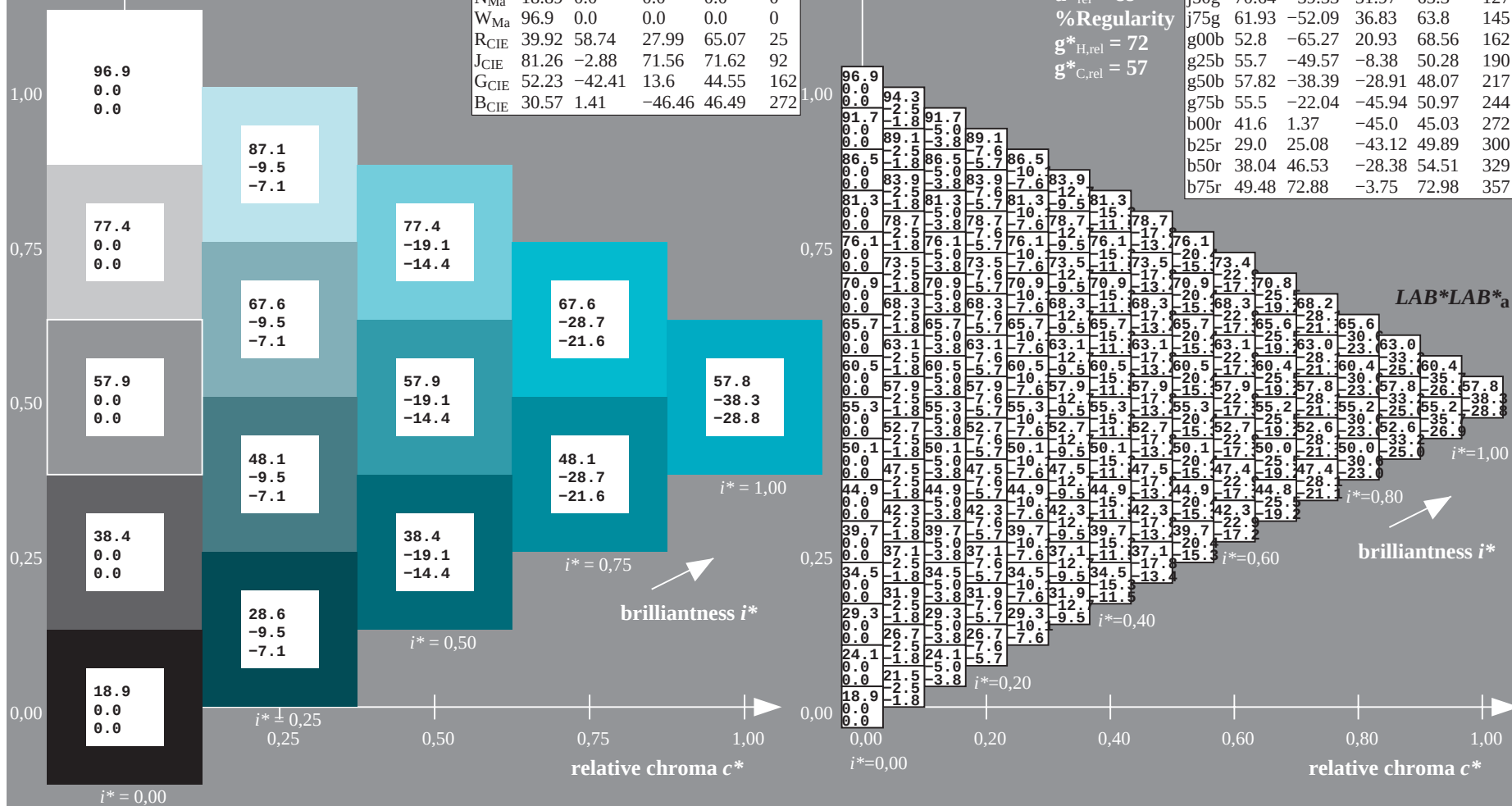
$u^*_{rel} = 89$

%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^*

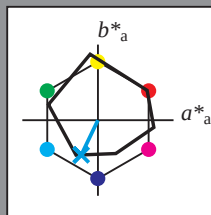
elementary hue text:

$u^* = g75b$

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

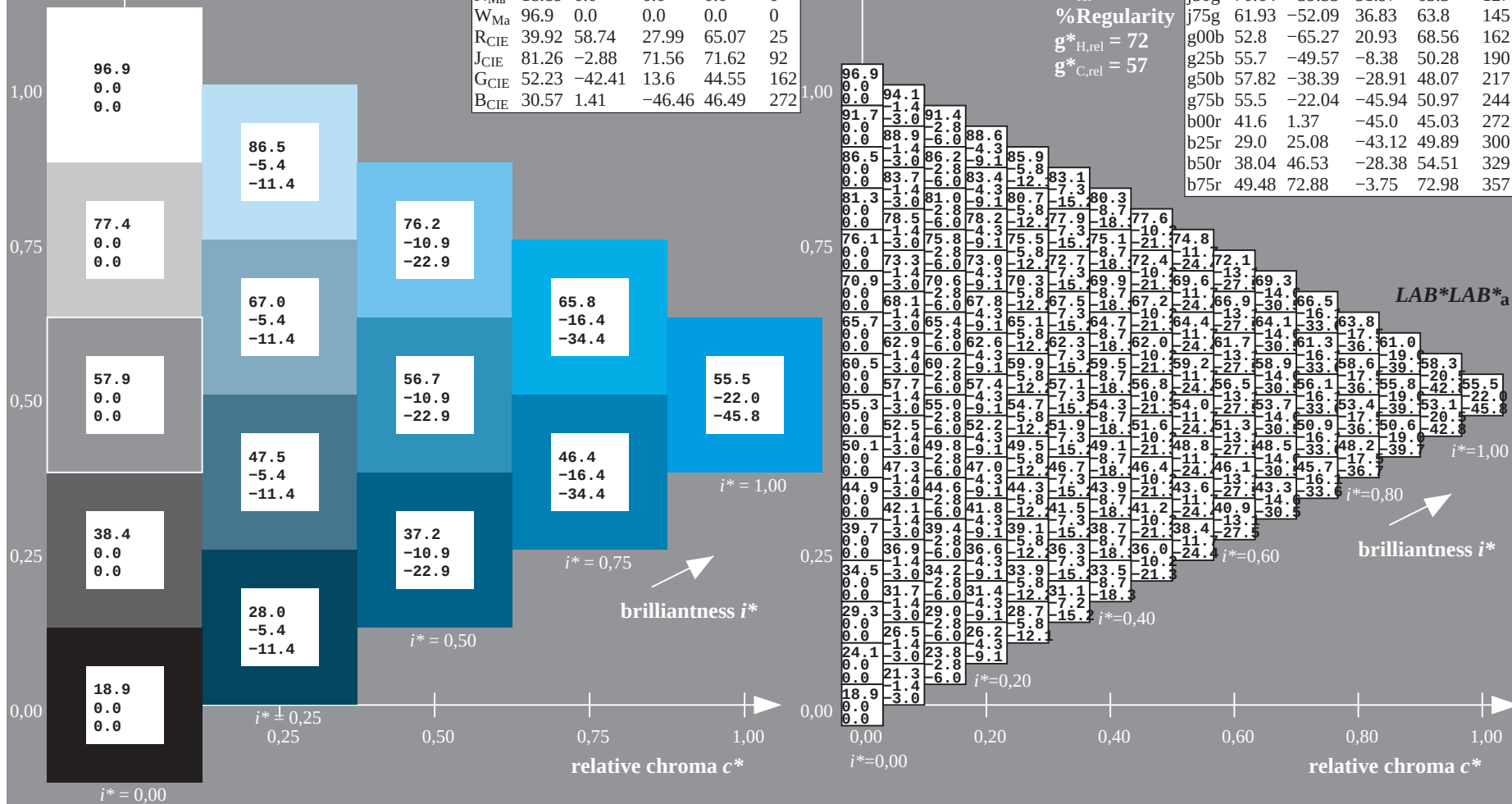
$u^*_{rel} = 89$

%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^*

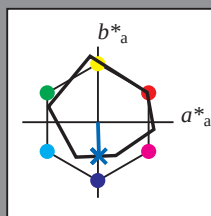
elementary hue text:

$u^* = b00r$

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

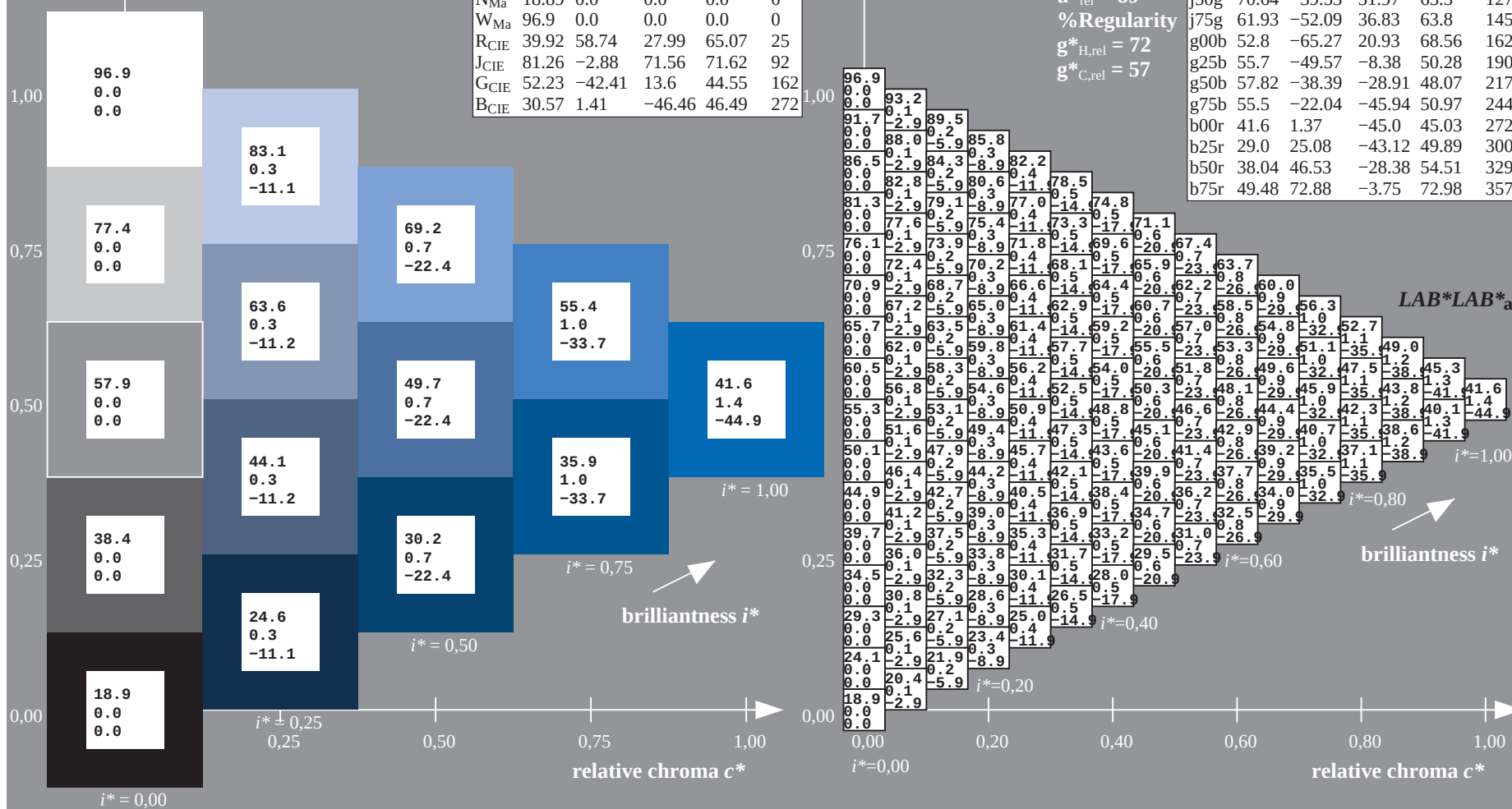
$u^*_{rel} = 89$

%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^*

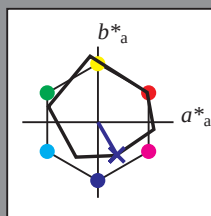
elementary hue text:

$u^* = b25r$

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

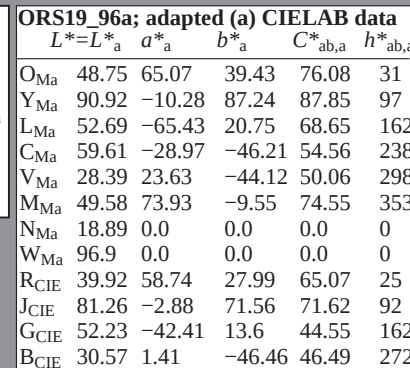
data for any colour:

elementary hue text:

contrast reduction factor:

R triangle

▲



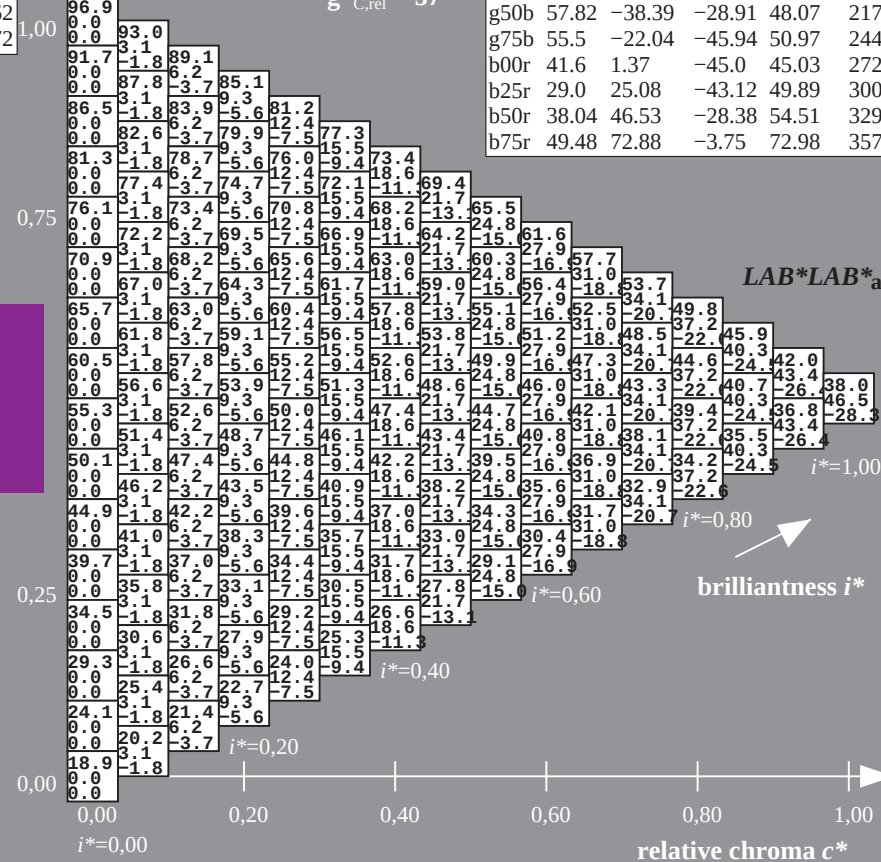
ORS19_96a; adapted (a) CIELAB data						
	$L^* = \bar{L}^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.28	87.24	87.85	97	
L _{Ma}	52.69	-65.43	20.75	68.65	162	
C _{Ma}	59.61	-28.97	-46.21	54.56	238	
V _{Ma}	28.39	23.63	-44.12	50.06	298	
M _{Ma}	49.58	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	

LAB*LAB*Ms: 38 47 -27

LAB*LCH*Ma: 38 55 329

lab*olv*Ma: 0.46 0.0 1.0

▲

$$U^*_{rel} = 89$$
 $\sigma^*_{II(22)} = 72$ 

*LAB*LAB**_a

brilliantness i^*
$$i^*=1,00$$
fitness i^* [illegible]

1,00

ma c*

11/1/2014



BAM-test chart De98: Colorimetric systems Page 70/180

colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

```
output: ->cmyn5* setcmykcolor
```

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

BAM registration: 20080701-De98/10/LJ98E00NA.PS/.TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

BAM material: code=rh4ta

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^*

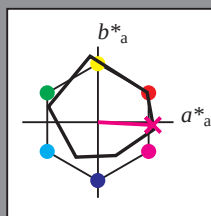
elementary hue text:

$u^* = b75r$

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^*

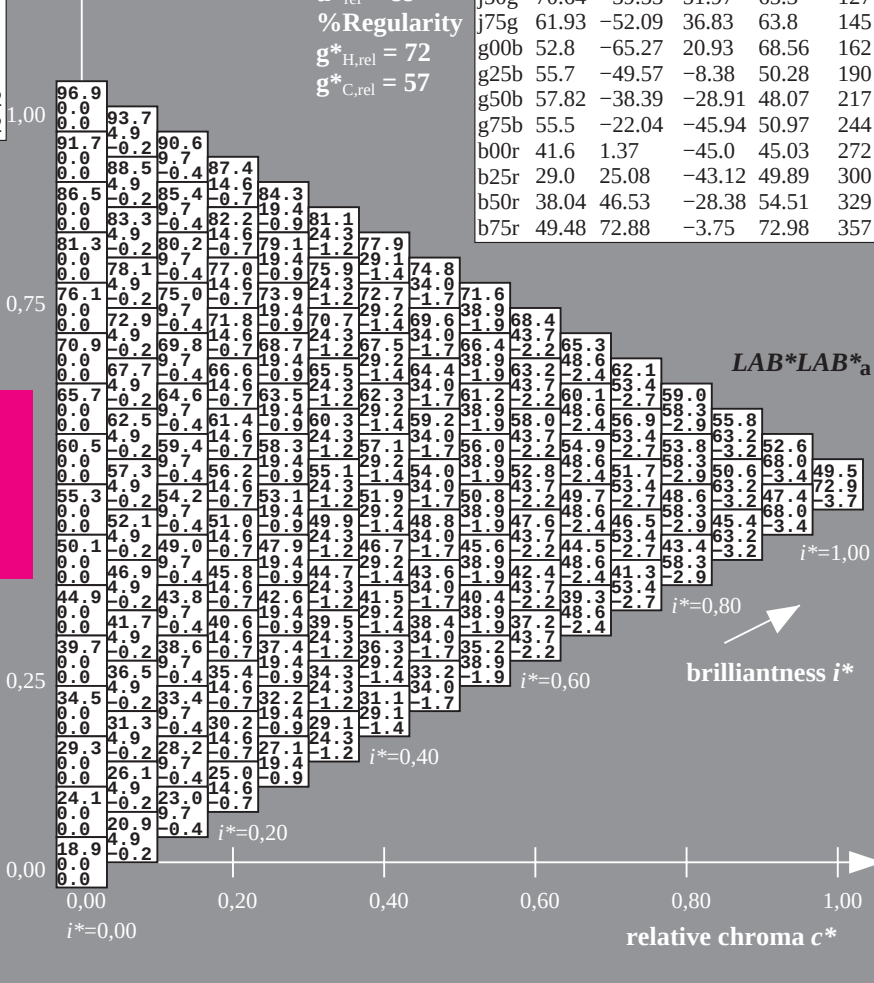
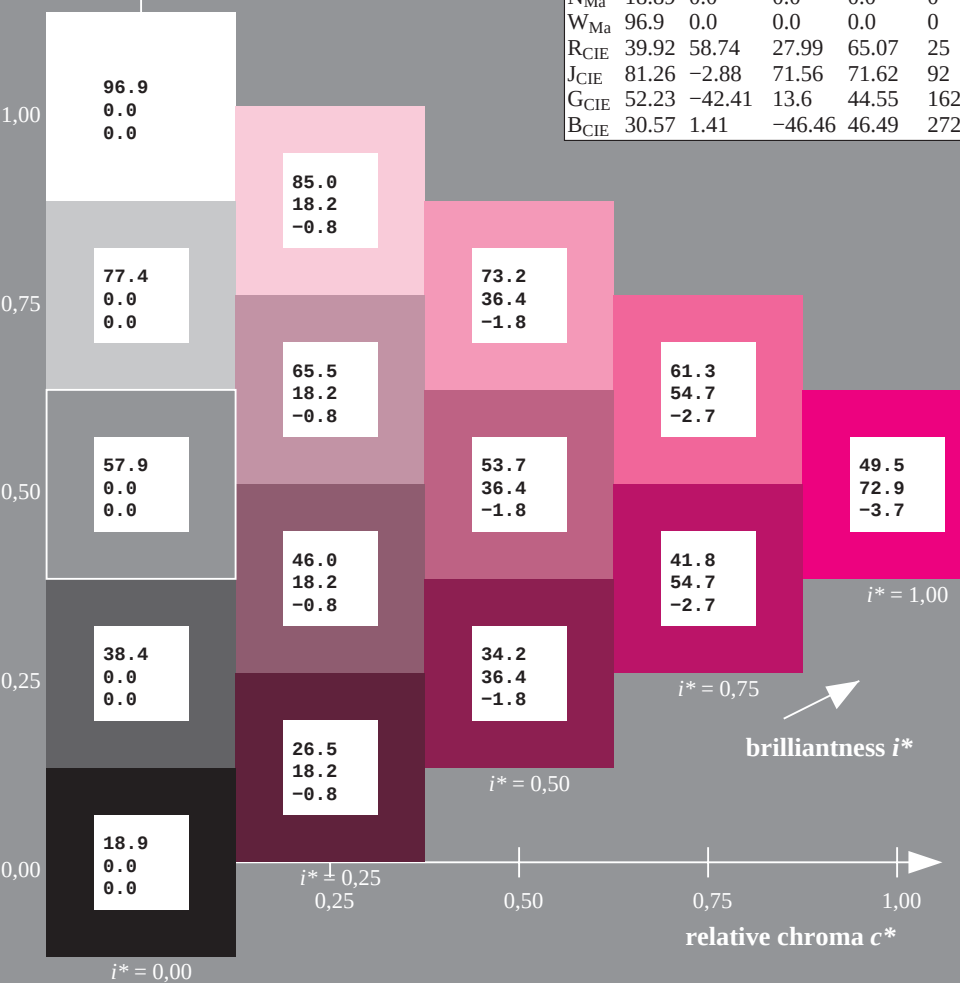
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

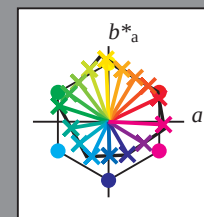
$i^* = 0.00$



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB ^a																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
01	18.9	23.1	27.3	31.6	35.8	40.6	44.2	48.5	52.7	56.9	61.2	65.4	69.6	73.8	78.0	82.2	86.4	90.6	94.8	99.0	103.2	107.4	111.6	115.8	120.0	124.2	128.4	132.6	136.8	141.0	145.2	149.4	153.6	157.8	162.0	166.2	170.4	174.6	178.8	183.0	187.2	191.4	195.6	199.8	204.0	208.2	212.4	216.6	220.8	225.0	229.2	233.4	237.6	241.8	246.0	250.2	254.4	258.6	262.8	267.0	271.2	275.4	279.6	283.8	288.0	292.2	296.4	300.6	304.8	309.0	313.2	317.4	321.6	325.8	330.0	334.2	338.4	342.6	346.8	351.0	355.2	359.4	363.6	367.8	372.0	376.2	380.4	384.6	388.8	393.0	397.2	401.4	405.6	409.8	414.0	418.2	422.4	426.6	430.8	435.0	439.2	443.4	447.6	451.8	456.0	460.2	464.4	468.6	472.8	477.0	481.2	485.4	489.6	493.8	498.0	502.2	506.4	510.6	514.8	519.0	523.2	527.4	531.6	535.8	540.0	544.2	548.4	552.6	556.8	561.0	565.2	569.4	573.6	577.8	582.0	586.2	590.4	594.6	598.8	603.0	607.2	611.4	615.6	619.8	624.0	628.2	632.4	636.6	640.8	645.0	649.2	653.4	657.6	661.8	666.0	670.2	674.4	678.6	682.8	687.0	691.2	695.4	699.6	703.8	708.0	712.2	716.4	720.6	724.8	729.0	733.2	737.4	741.6	745.8	750.0	754.2	758.4	762.6	766.8	771.0	775.2	779.4	783.6	787.8	792.0	796.2	800.4	804.6	808.8	813.0	817.2	821.4	825.6	829.8	834.0	838.2	842.4	846.6	850.8	855.0	859.2	863.4	867.6	871.8	876.0	880.2	884.4	888.6	892.8	897.0	901.2	905.4	909.6	913.8	918.0	922.2	926.4	930.6	934.8	939.0	943.2	947.4	951.6	955.8	960.0	964.2	968.4	972.6	976.8	981.0	985.2	989.4	993.6	997.8	1002.0	1006.2	1010.4	1014.6	1018.8	1023.0	1027.2	1031.4	1035.6	1039.8	1044.0	1048.2	1052.4	1056.6	1060.8	1065.0	1069.2	1073.4	1077.6	1081.8	1086.0	1090.2	1094.4	1098.6	1102.8	1107.0	1111.2	1115.4	1119.6	1123.8	1128.0	1132.2	1136.4	1140.6	1144.8	1149.0	1153.2	1157.4	1161.6	1165.8	1170.0	1174.2	1178.4	1182.6	1186.8	1191.0	1195.2	1199.4	1203.6	1207.8	1212.0	1216.2	1220.4	1224.6	1228.8	1233.0	1237.2	1241.4	1245.6	1249.8	1254.0	1258.2	1262.4	1266.6	1270.8	1275.0	1279.2	1283.4	1287.6	1291.8	1296.0	1300.2	1304.4	1308.6	1312.8	1317.0	1321.2	1325.4	1329.6	1333.8	1338.0	1342.2	1346.4	1350.6	1354.8	1359.0	1363.2	1367.4	1371.6	1375.8	1380.0	1384.2	1388.4	1392.6	1396.8	1401.0	1405.2	1409.4	1413.6	1417.8	1422.0	1426.2	1430.4	1434.6	1438.8	1443.0	1447.2	1451.4	1455.6	1459.8	1464.0	1468.2	1472.4	1476.6	1480.8	1485.0	1489.2	1493.4	1497.6	1501.8	1506.0	1510.2	1514.4	1518.6	1522.8	1527.0	1531.2	1535.4	1539.6	1543.8	1548.0	1552.2	1556.4	1560.6	1564.8	1569.0	1573.2	1577.4	1581.6	1585.8	1590.0																																																																																																																																																																																																																																																																																																																																																																																																																				
02	26.1	24.0	28.2	32.4	36.7	40.9	45.1	49.3	53.6	57.2	60.8	64.4	68.0	71.6	75.2	78.8	82.4	86.0	89.6	93.2	96.8	100.4	104.0	107.6	111.2	114.8	118.4	122.0	125.6	129.2	132.8	136.4	140.0	143.6	147.2	150.8	154.4	158.0	161.6	165.2	168.8	172.4	176.0	179.6	183.2	186.8	190.4	194.0	197.6	201.2	204.8	208.4	212.0	215.6	219.2	222.8	226.4	230.0	233.6	237.2	240.8	244.4	248.0	251.6	255.2	258.8	262.4	266.0	269.6	273.2	276.8	280.4	284.0	287.6	291.2	294.8	298.4	302.0	305.6	309.2	312.8	316.4	320.0	323.6	327.2	330.8	334.4	338.0	341.6	345.2	348.8	352.4	356.0	359.6	363.2	366.8	370.4	374.0	377.6	381.2	384.8	388.4	392.0	395.6	399.2	402.8	406.4	410.0	413.6	417.2	420.8	424.4	428.0	431.6	435.2	438.8	442.4	446.0	449.6	453.2	456.8	460.4	464.0	467.6	471.2	474.8	478.4	482.0	485.6	489.2	492.8	496.4	500.0	503.6	507.2	510.8	514.4	518.0	521.6	525.2	528.8	532.4	536.0	539.6	543.2	546.8	550.4	554.0	557.6	561.2	564.8	568.4	572.0	575.6	579.2	582.8	586.4	590.0	593.6	597.2	600.8	604.4	608.0	611.6	615.2	618.8	622.4	626.0	629.6	633.2	636.8	640.4	644.0	647.6	651.2	654.8	658.4	662.0	665.6	669.2	672.8	676.4	680.0	683.6	687.2	690.8	694.4	698.0	701.6	705.2	708.8	712.4	716.0	719.6	723.2	726.8	730.4	734.0	737.6	741.2	744.8	748.4	752.0	755.6	759.2	762.8	766.4	770.0	773.6	777.2	780.8	784.4	788.0	791.6	795.2	798.8	802.4	806.0	809.6	813.2	816.8	820.4	824.0	827.6	831.2	834.8	838.4	842.0	845.6	849.2	852.8	856.4	860.0	863.6	867.2	870.8	874.4	878.0	881.6	885.2	888.8	892.4	896.0	899.6	903.2	906.8	910.4	914.0	917.6	921.2	924.8	928.4	932.0	935.6	939.2	942.8	946.4	950.0	953.6	957.2	960.8	964.4	968.0	971.6	975.2	978.8	982.4	986.0	989.6	993.2	996.8	1000.4	1004.0	1007.6	1011.2	1014.8	1018.4	1022.0	1025.6	1029.2	1032.8	1036.4	1040.0	1043.6	1047.2	1050.8	1054.4	1058.0	1061.6	1065.2	1068.8	1072.4	1076.0	1079.6	1083.2	1086.8	1090.4	1094.0	1097.6	1101.2	1104.8	1108.4	1112.0	1115.6	1119.2	1122.8	1126.4	1130.0	1133.6	1137.2	1140.8	1144.4	1148.0	1151.6	1155.2	1158.8	1162.4	1166.0	1169.6	1173.2	1176.8	1180.4	1184.0	1187.6	1191.2	1194.8	1198.4	1202.0	1205.6	1209.2	1212.8	1216.4	1220.0	1223.6	1227.2	1230.8	1234.4	1238.0	1241.6	1245.2	1248.8	1252.4	1256.0	1259.6	1263.2	1266.8	1270.4	1274.0	1277.6	1281.2	1284.8	1288.4	1292.0	1295.6	1299.2	1302.8	1306.4	1310.0	1313.6	1317.2	1320.8	1324.4	1328.0	1331.6	1335.2	1338.8	1342.4	1346.0	1349.6	1353.2	1356.8	1360.4	1364.0	1367.6	1371.2	1374.8	1378.4	1382.0	1385.6	1389.2	1392.8	1396.4	1400.0	1403.6	1407.2	1410.8	1414.4	1418.0	1421.6	1425.2	1428.8	1432.4	1436.0	1439.6	1443.2	1446.8	1450.4	1454.0	1457.6	1461.2	1464.8	1468.4	1472.0	1475.6	1479.2	1482.8	1486.4	1490.0	1493.6	1497.2	1500.8	1504.4	1508.0	1511.6	1515.2	1518.8	1522.4	1526.0	1529.6	1533.2	1536.8	1540.4	1544.0	1547.6	1551.2	1554.8	1558.4	1562.0	1565.6	1569.2	1572.8	1576.4	1580.0	1583.6	1587.2	1590.8	1594.4	1598.0	1601.6	1605.2	1608.8	1612.4	1616.0	1619.6	1623.2	1626.8	1630.4	1634.0	1637.6	1641.2	1644.8	1648.4	1652.0	1655.6	1659.2	1662.8	1666.4	1670.0	1673.6	1677.2	1680.8	1684.4	1688.0	1691.6	1695.2	1698.8	1702.4	1706.0	1709.6	1713.2	1716.8	1720.4	1724.0	1727.6	1731.2	1734.8	1738.4	1742.0	1745.6	1749.2	1752.8	1756.4	1760.0	1763.6	1767.2	1770.8	1774.4	1778.0	1781.6	1785.2	1788.8	1792.4	1796.0	1799.6	1803.2	1806.8	1810.4	1814.0	1817.6	1821.2	1824.8	1828.4	1832.0	1835.6	1839.2	1842.8	1846.4	1850.0	1853.6	1857.2	1860.8	1864.4	1868.0	1871.6	1875.2	1878.8	1882.4	1886.0	1889.6	1893.2	1896.8	1900.4	1904.0	1907.6	1911.2	1914.8	1918.4	1922.0	1925.6	1929.2	1932.8	1936.4	1940.0	1943.6	1947.2	1950.8	1954.4	1958.0	1961.6	1965.2	1968.8	1972.4	1976.0	1979.6	1983.2	1986.8	1990.4	1994.0	1997.6	2001.2	2004.8	2008.4	2012.0	2015.6	2019.2	2022.8	2026.4	2030.0	2033.6	2037.2	2040.8	2044.4	2048.0	2051.6	2055.2	2058.8	2062.4	2066.0	2069.6	2073.2	2076.8	2080.4	2084.0	2087.6	2091.2	2094.8	2098.4	2102.0	2105.6	2109.2	2112.8	2116.4	2120.0	2123.6	2127.2	2130.8	2134.4	2138.0	2141.6	2145.2	2148.8	2152.4	2156.0	2159.6	2163.2	2166.8	2170.4	2174.0	2177.6	2181.2	2184.8	2188.4	2192.0	2195.6	2199.2	2202.8	2206.4	2210.0	2213.6	2217.2	2220.8	2224.4	2228.0	2231.6	2235.2	2238.8	2242.4	2246.0	2249.6	2253.2	2256.8	2260.4	2264.0	2267.6	2271.2	2274.8	2278.4	2282.0	2285.6	2289.2	2292.8	2296.4	2300.0	2303.6	2307.2	2310.8	2314.4	2318.0	2321.6	2325.2	2328.8	2332.4	2336.0	2339.6	2343.2	2346.8	2350.4	2354.0	2357.6	2361.2	2364.8	2368.4	2372.0	2375.6	2379.2	2382.8	2386.4	2390.0	2393.6	2397.2	2400.8	2404.4	2408.0	2411.6	2415.2	2418.8	2422.4	2426.0	2429.6	2433.2	2436.8	2440.4	2444.0	2447.6	2451.2	2454.8	2458.4	2462.0	2465.6	2469.2	2472.8	2476.4	2480.0	2483.6	2487.2	2490.8	2494.4	2498.0	2501.6	2505.2	2508.8	2512.4	2516.0	2519.6	2523.2	2526.8	2530.4	2534.0	2537.6	2541.2	2544.8	2548.4	2552.0	2555.6	2559.2	2562.8	2566.4	2570.0	2573.6	2577.2	2580.8	2584.4	2588.0	2591.6	2595.2	2598.8	2602.4	2606.0	2609.6	2613.2	2616.8	2620.4	2624.0	2627.6	2631.2	2634.8	2638.4	2642.0	2645.6	2649.2	2652.8	2656.4	2660.0	2663.6	2667.2	2670.8	2674.4	2678.0	2681.6	2685.2	2688.8	2692.4	2696.0	2699.6	2703.2	2706.8	2710.4	2714.0	2717.6	2721.2	2724.8	2728.4	2732.0	2735.6	2739.2	2742.8	2746.4	2750.0	2753.6	2757.2	2760.8	2764.4	2768.0	2771.6	2775.2	2778.8	2782.4	2786.0	2789.6	2793.2	2796.8	2800.4	2804.0	2807.6	2811.2	2814.8	2818.4	2822.0	2825.6</

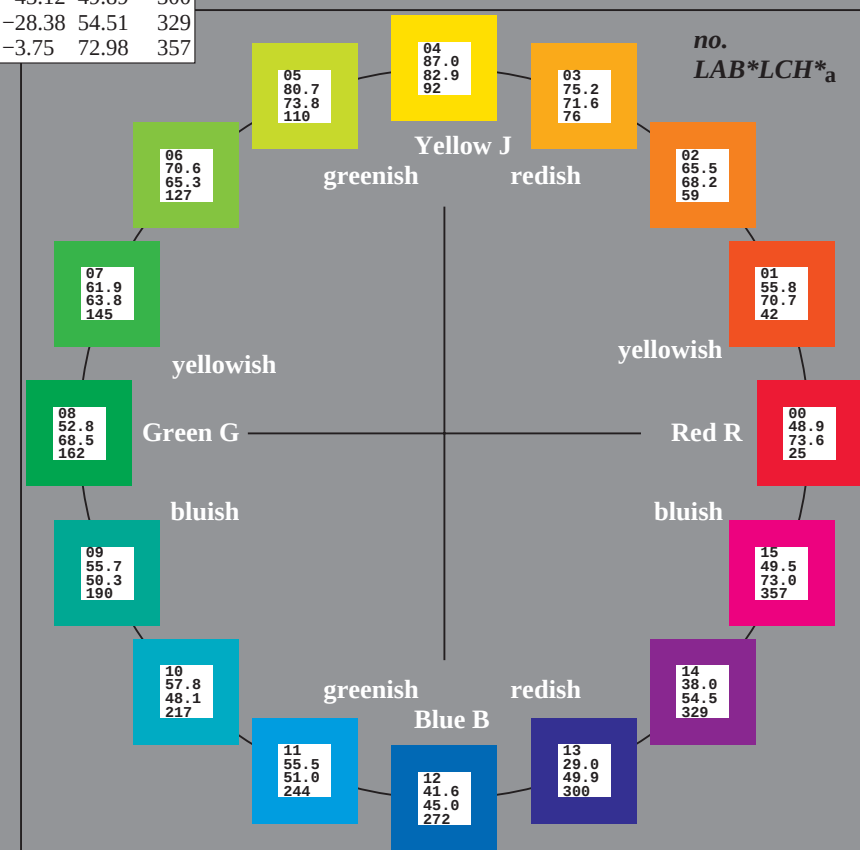
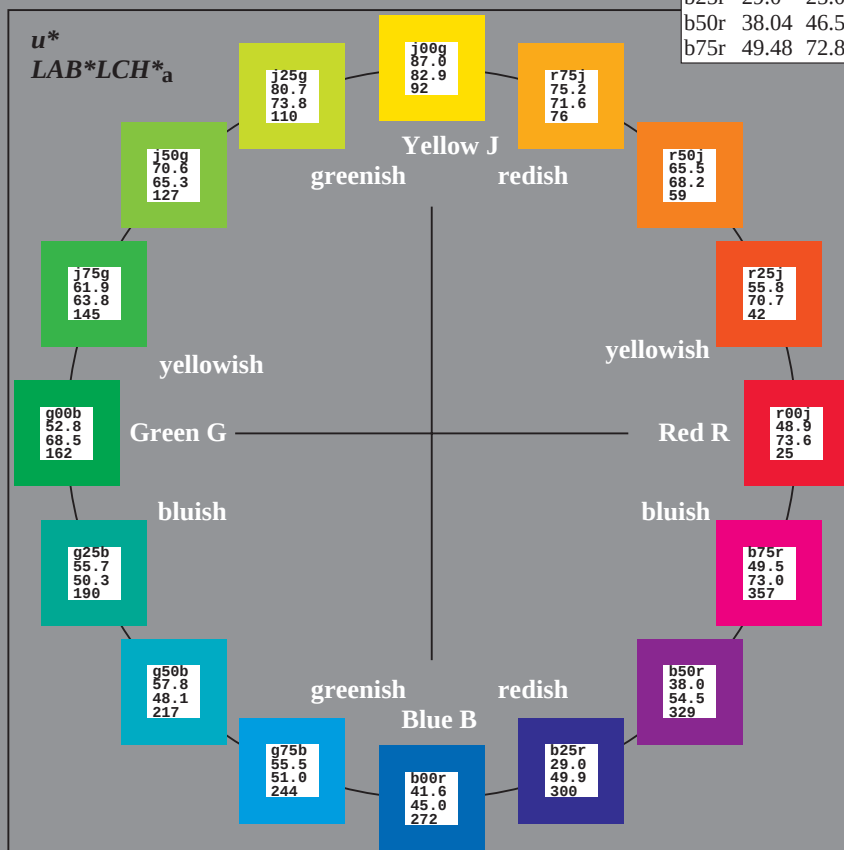
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
*lab*tch* and lab*icu**
elementary hue text:
u = 16 hues r00j, r25j, ..., b75r*
contrast reduction factor:
 $c_R = 1.0$

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 $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

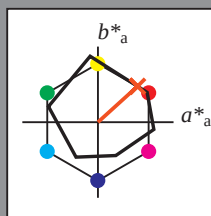
elementary hue text:

$u^* = r25j$

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^*

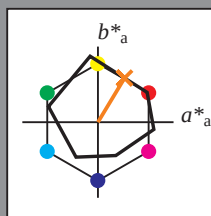
elementary hue text:

$u^* = r50j$

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

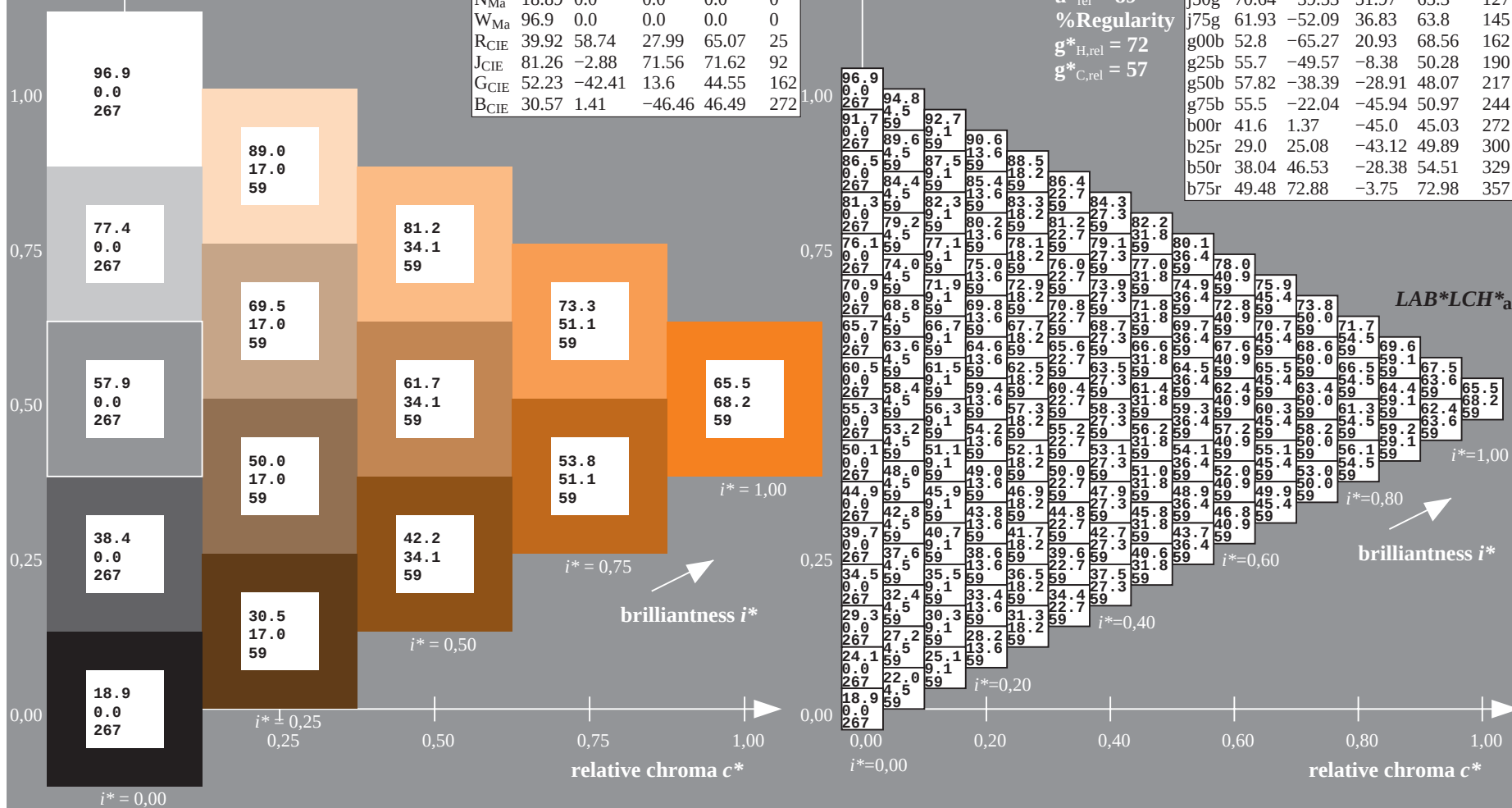
$u^*_{rel} = 89$

%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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

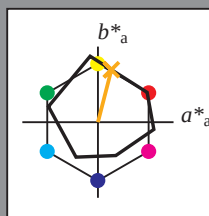
elementary hue text:

$u^* = r75j$

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):

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

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

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

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

triangle lightness t^*

%Gamut

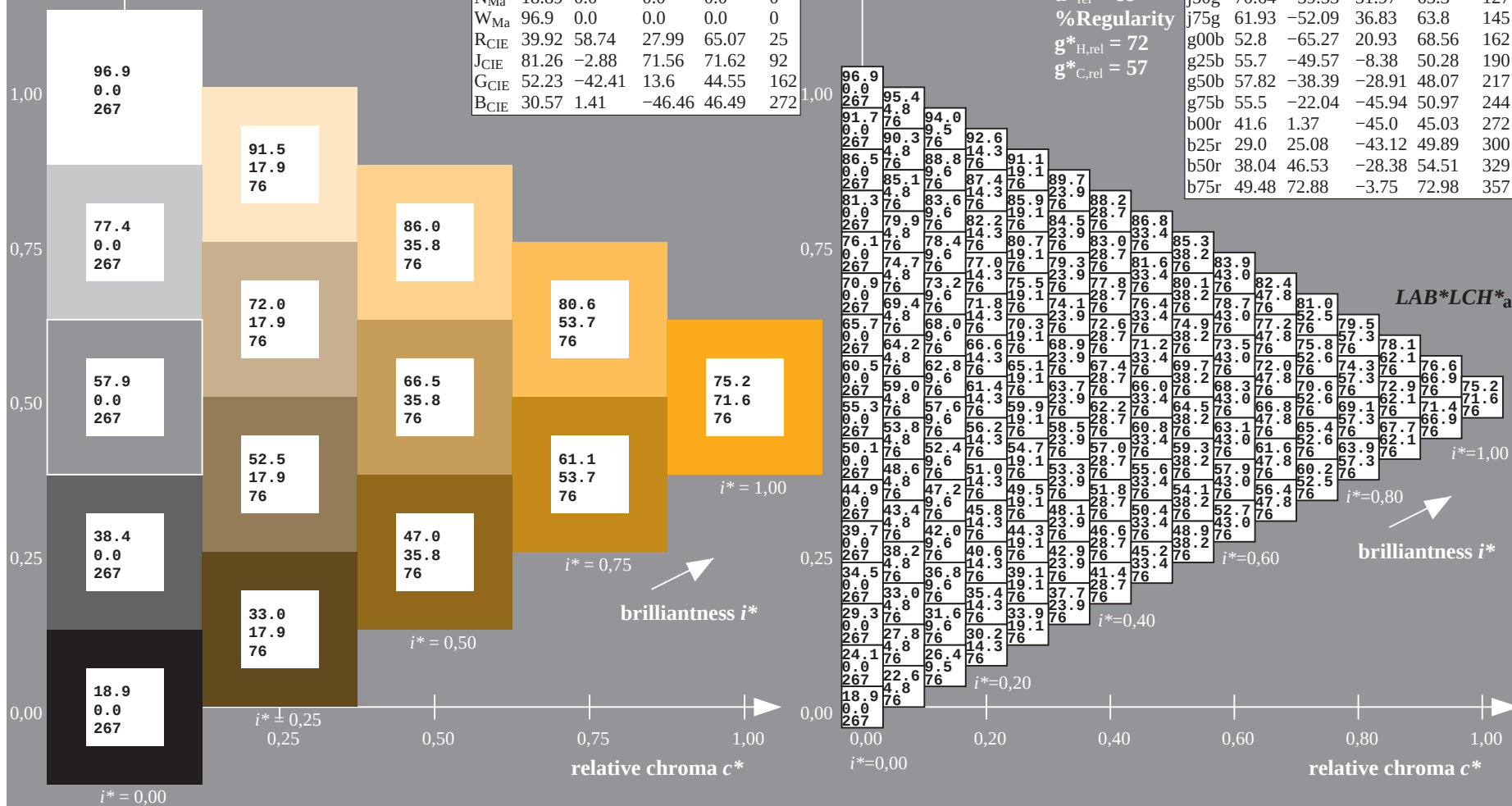
$u^*_{\text{rel}} = 89$

%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 $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

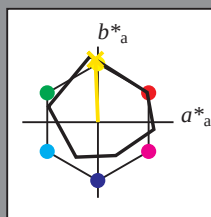
elementary hue text:

$u^* = j00g$

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

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

$i^* = 1.00$

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

data for any colour:

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

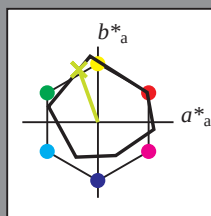
elementary hue text:

$u^* = j25g$

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

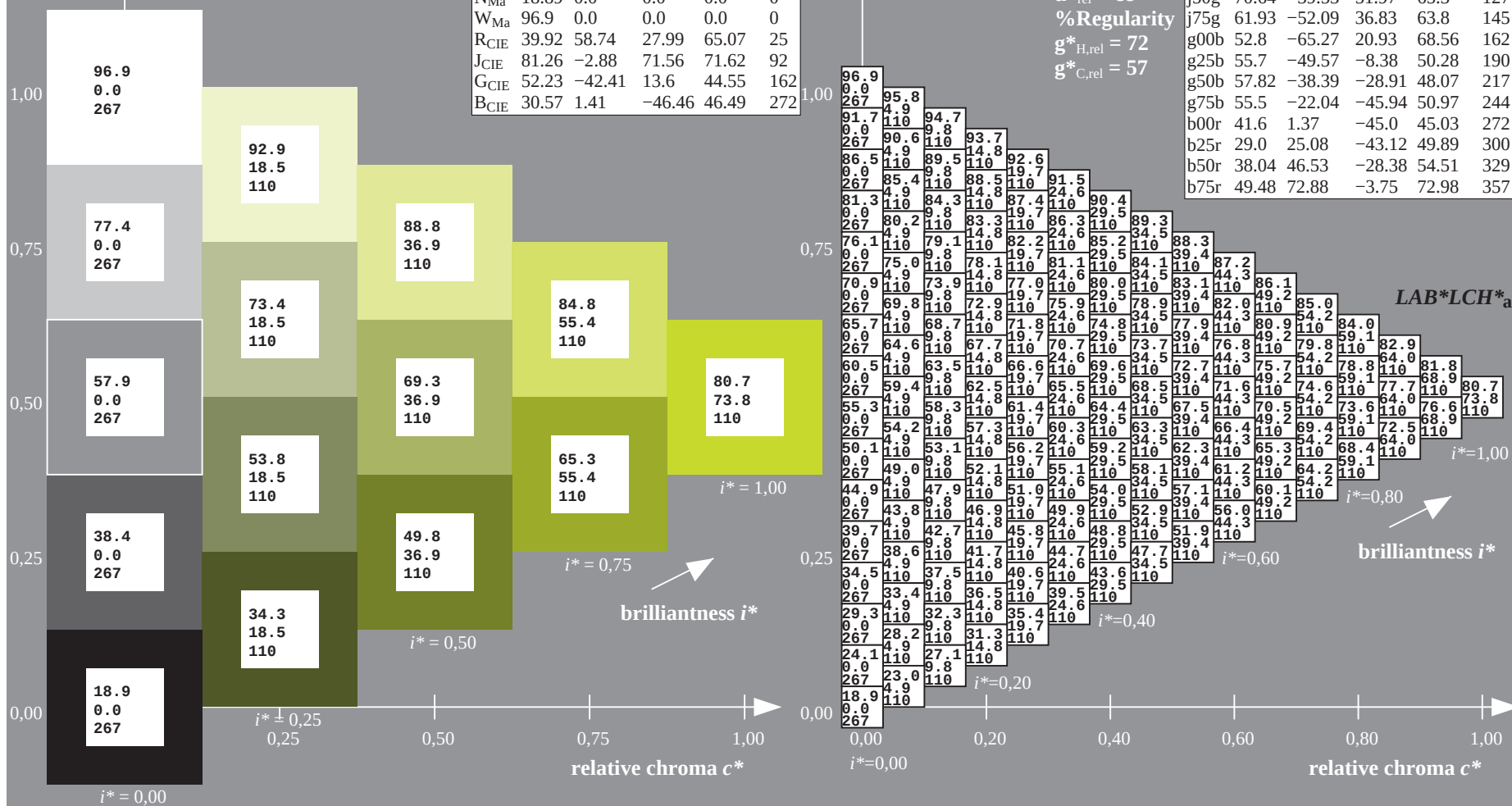
$u^*_{rel} = 89$

%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^*

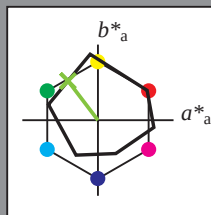
elementary hue text:

$u^* = j50g$

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

triangle lightness t^* 

b75r	49.48	72.88	-3.75	72.98	357
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colour scales and 8 data tables for 16 hues *r00j* to *b75r*

output: $\rightarrow cmy\mathbf{n}5^* setcmykcolor$

BAM material: code=rha4ta
r systems

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^*

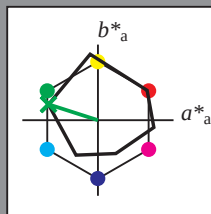
elementary hue text:

$u^* = g00b$

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

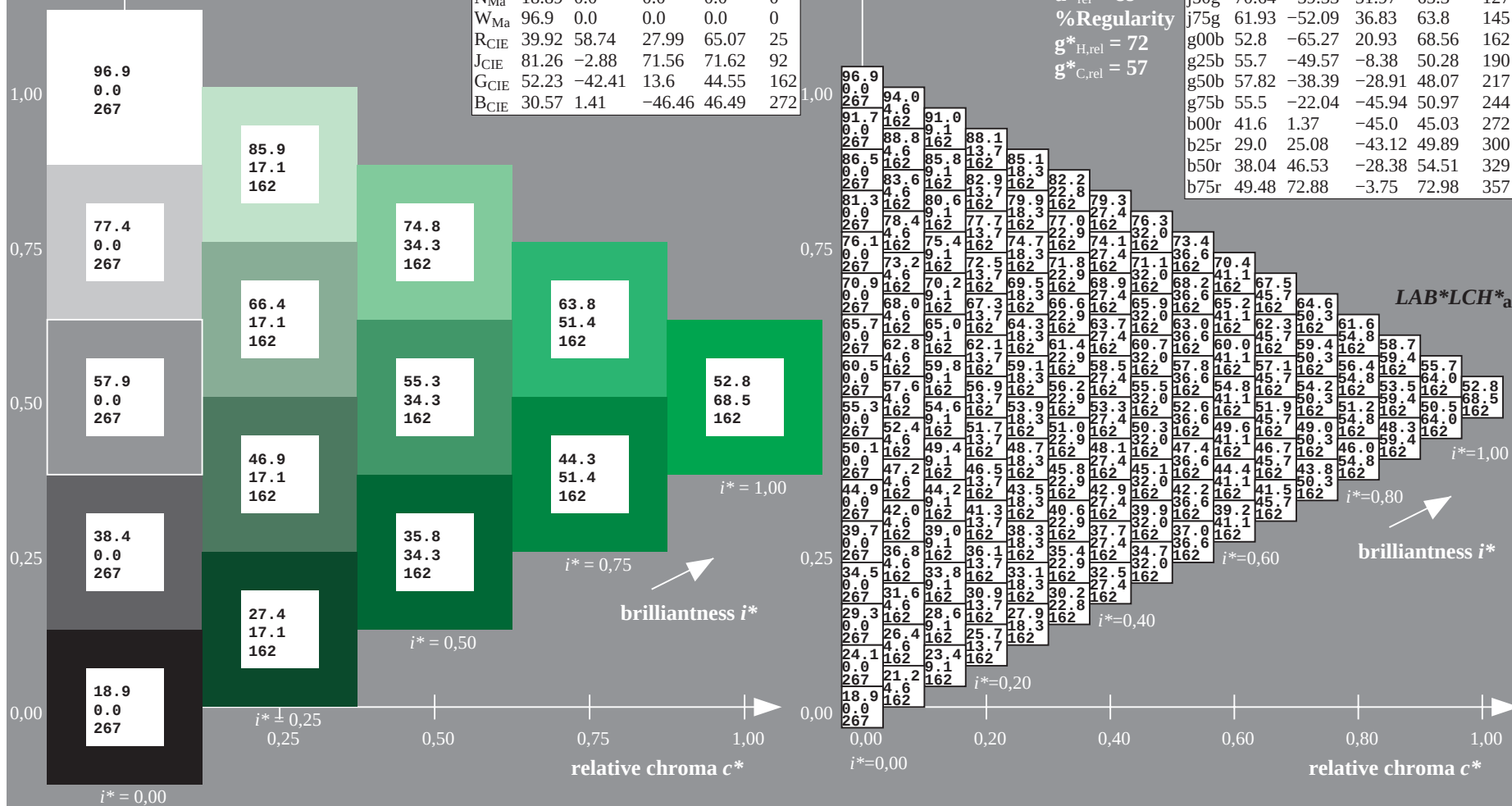
$u^*_{rel} = 89$

%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^*

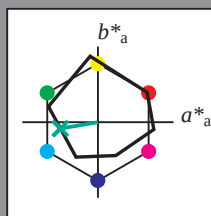
elementary hue text:

$u^* = g25b$

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^*

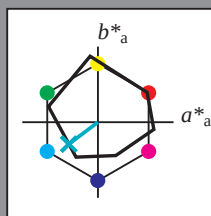
elementary hue text:

$u^* = g50b$

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):

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

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

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

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

triangle lightness t^*

%Gamut

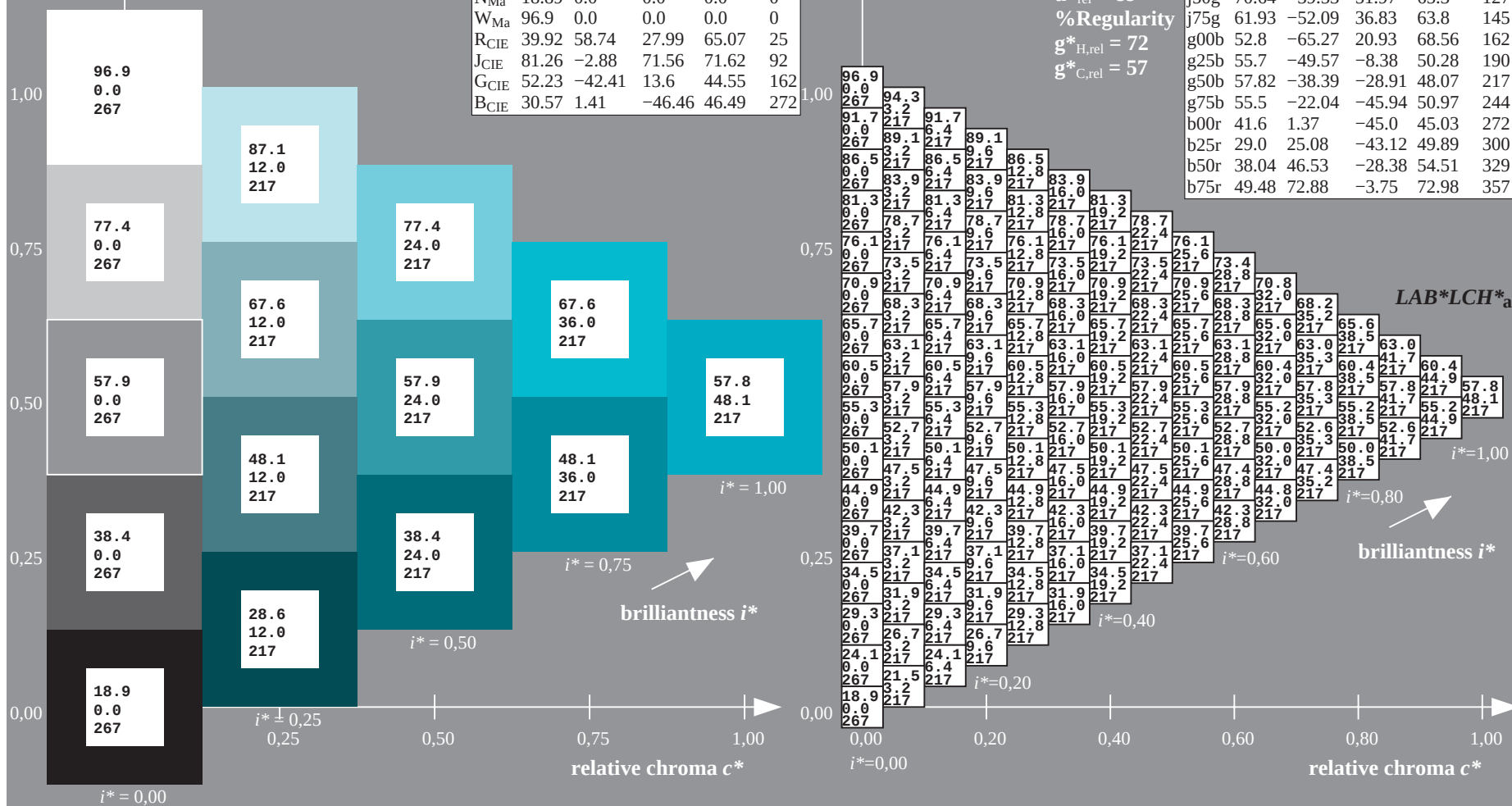
$u^*_{rel} = 89$

%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^*

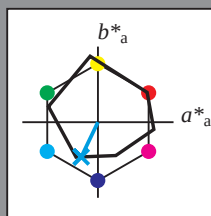
elementary hue text:

$u^* = g75b$

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

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

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

data for any colour:

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

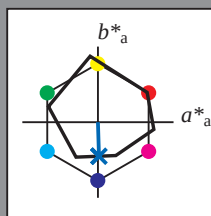
elementary hue text:

$u^* = b00r$

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):

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

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

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

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

triangle lightness t^*

%Gamut

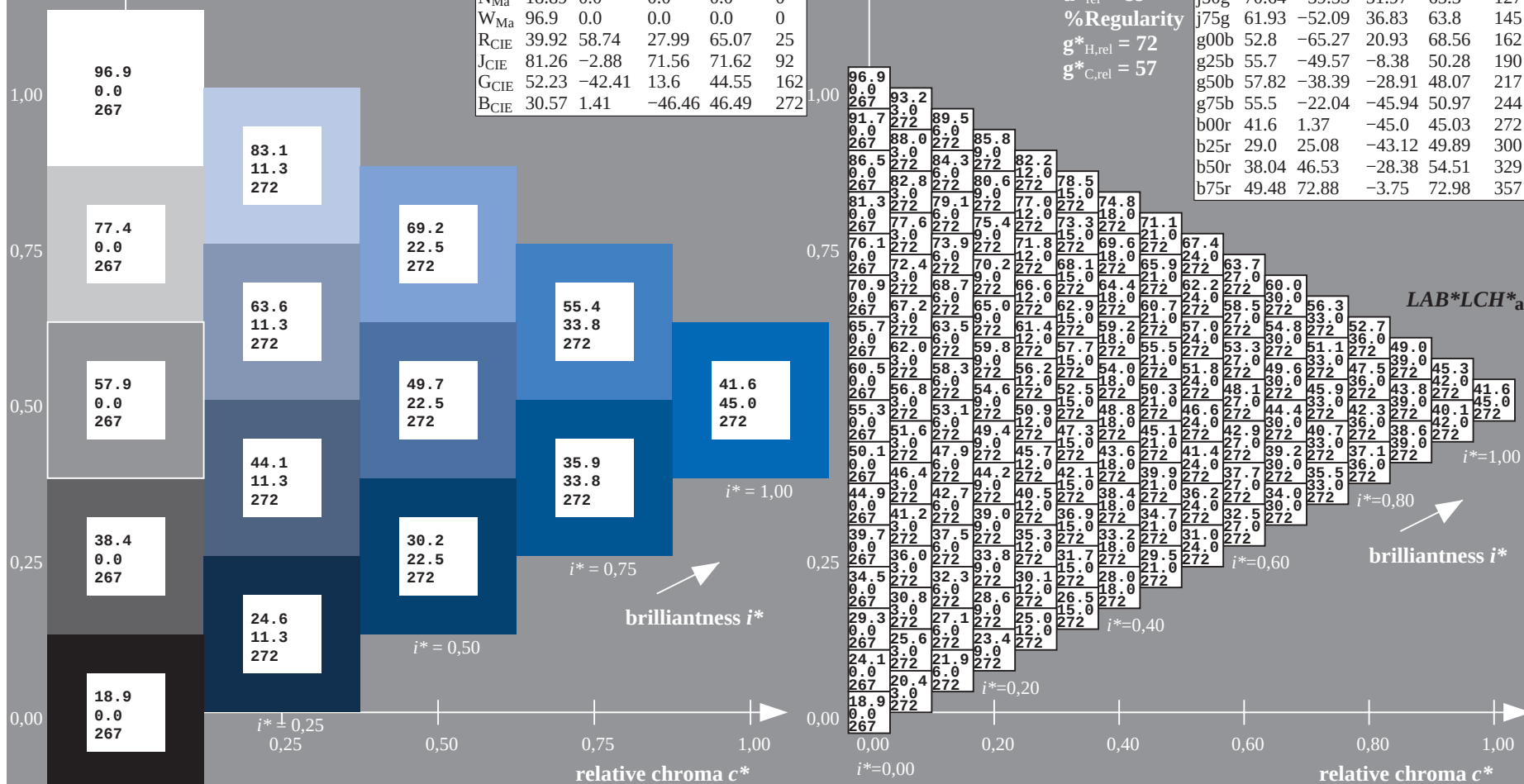
$u^*_{rel} = 89$

%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^*

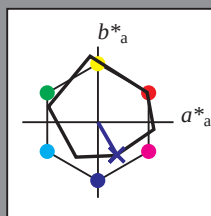
elementary hue text:

$u^* = b25r$

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

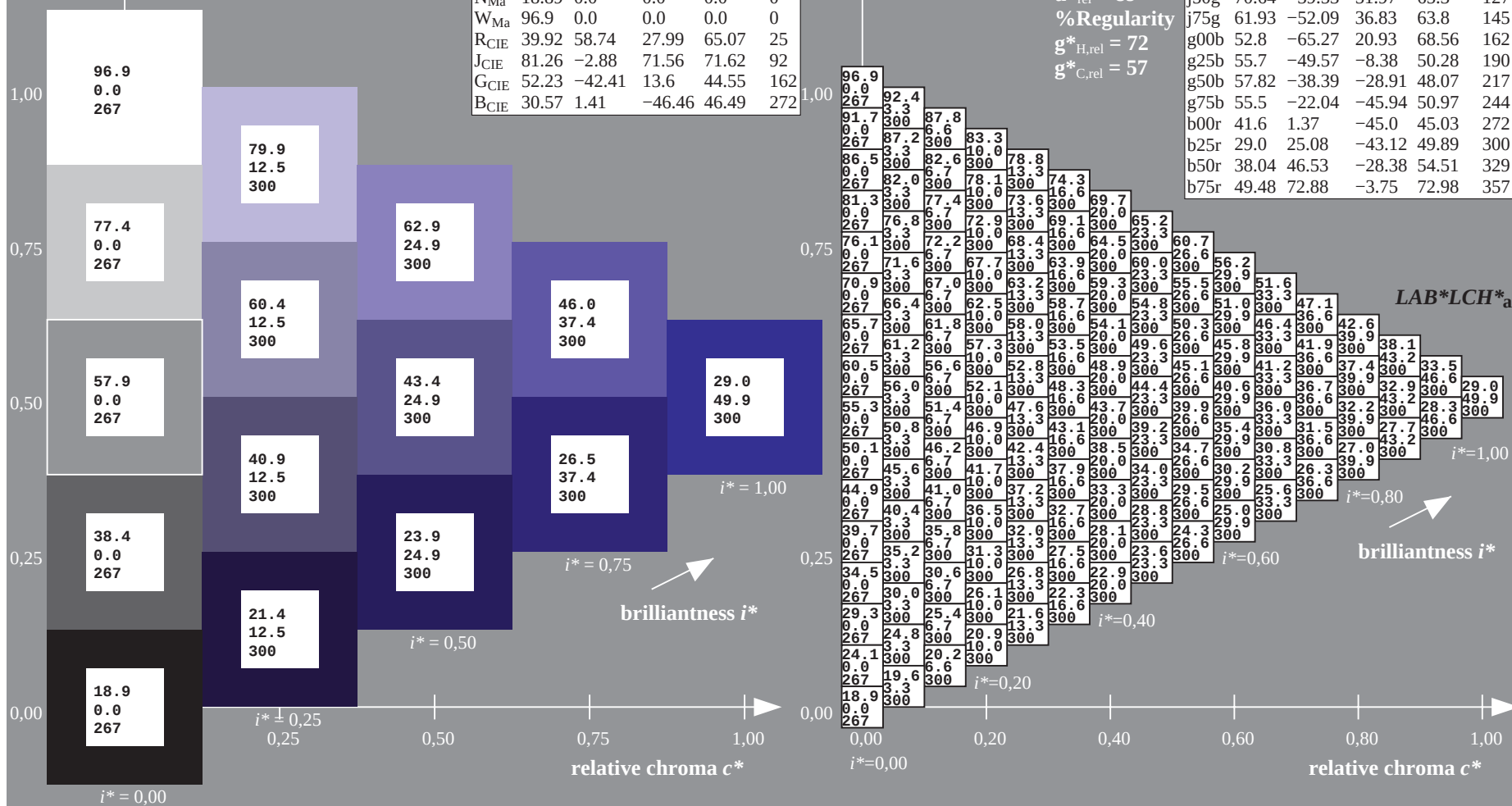
$u^*_{rel} = 89$

%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^*

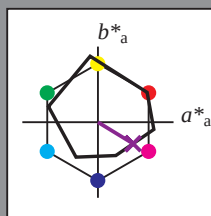
elementary hue text:

$u^* = b50r$

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

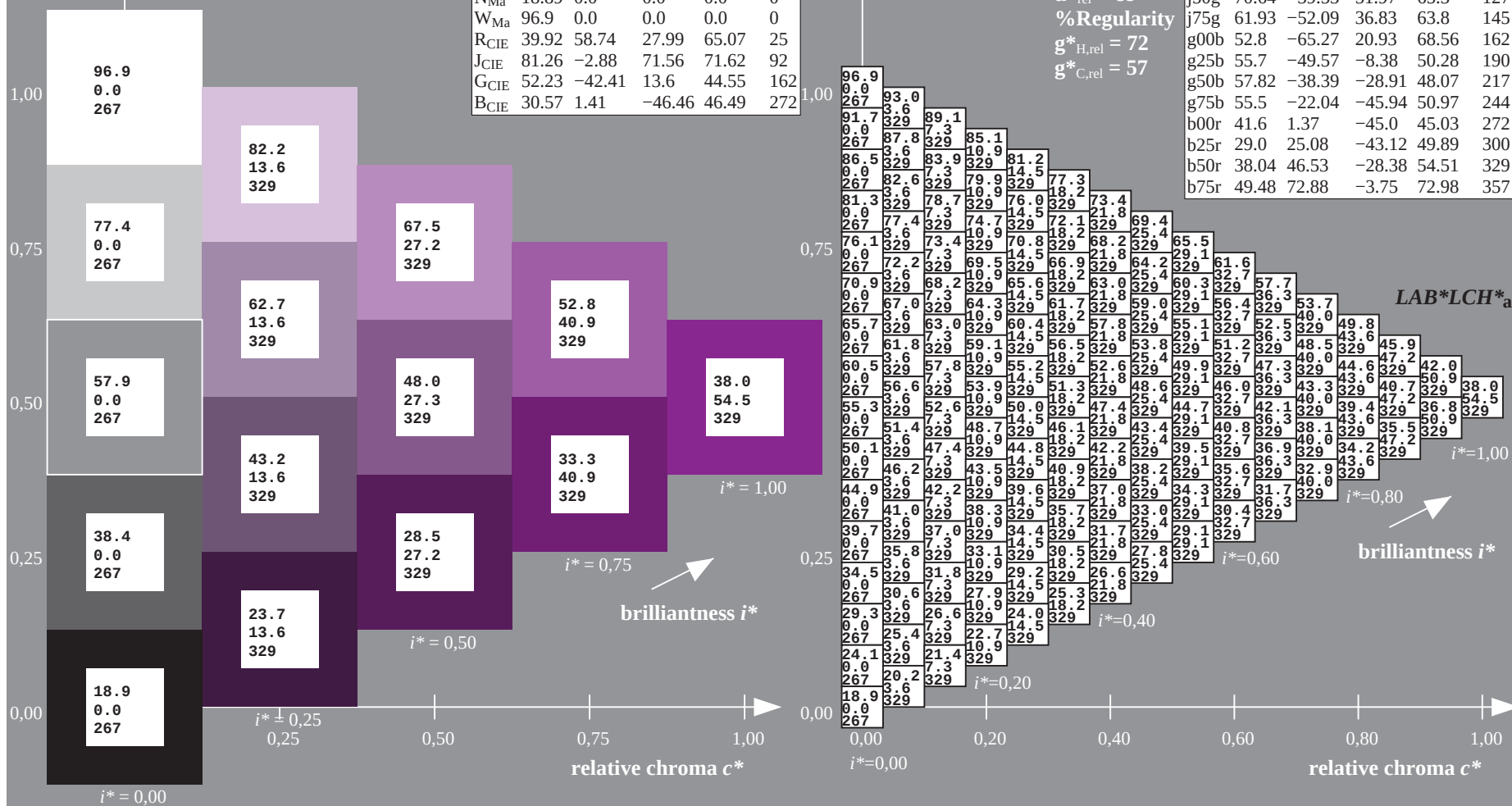
$u^*_{rel} = 89$

%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^*

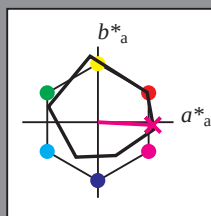
elementary hue text:

$u^* = b75r$

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

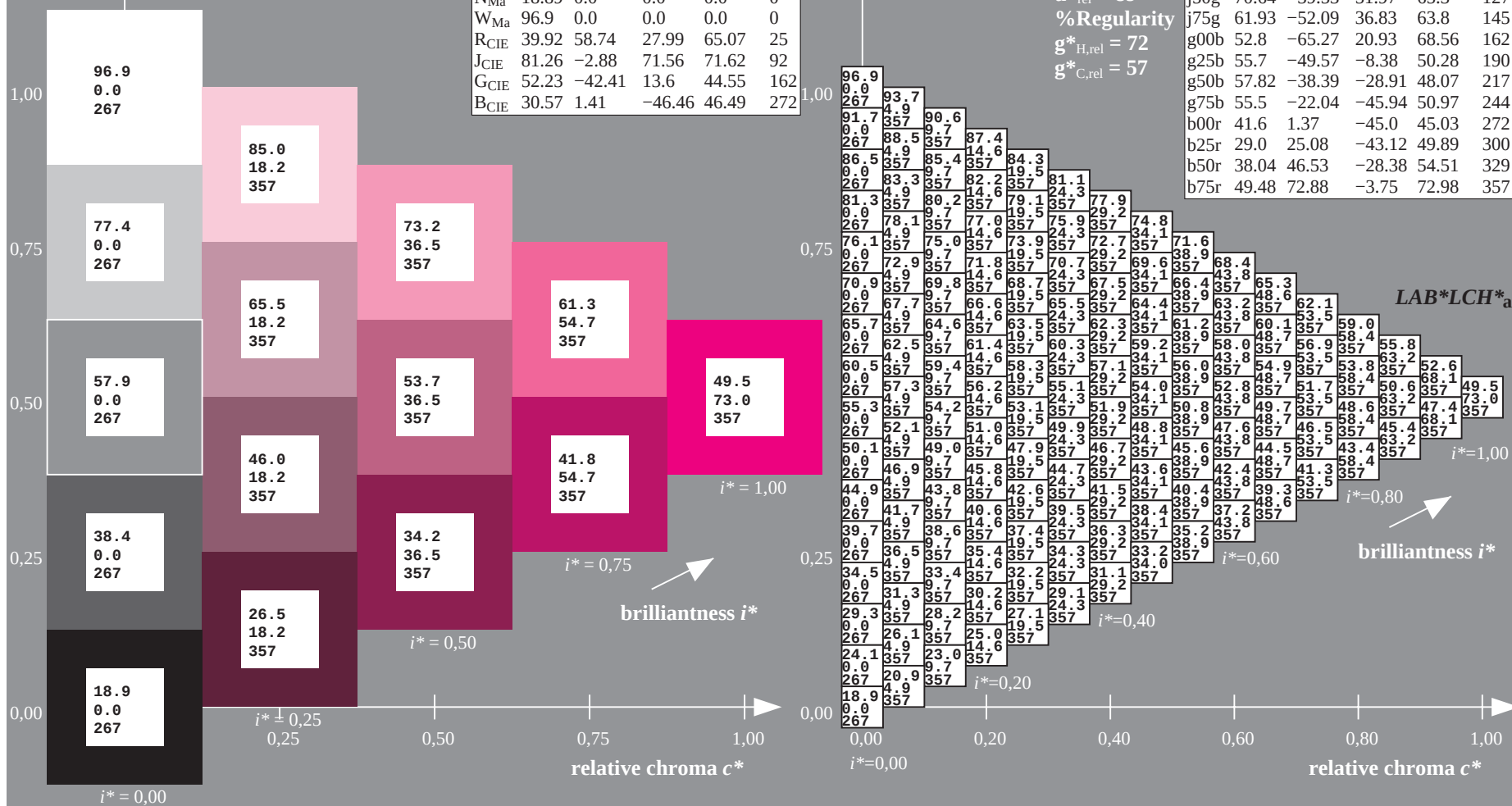
$u^*_{rel} = 89$

%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

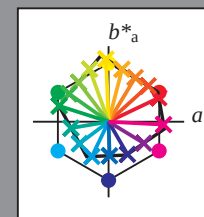


See for similar files: <http://www.ps.bam.de/De98/>; www.ps.bam.de/De98/10L/L98E00NA.PS/.TXT
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSpX=1

	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		
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	69.6	73.8	78.0	82.2	86.4	90.6	94.8	99.0	103.2	107.4	111.6	115.8	120.0	124.2	128.4	132.6	136.8	141.0	145.2	149.4	153.6	157.8	162.0	166.2	170.4	174.6	178.8	183.0
02	18.0	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	
03	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	
04	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	
05	6.3	6.8	12.2	20.0	28.2	36.6	45.1	53.6	62.1	70.5	78.9	87.4	95.8	104.3	112.7	121.2	129.6	138.1	146.5	155.0	163.4	171.9	180.3	188.8	197.2	205.7	214.1	222.6	231.0	239.5	247.9	256.4	264.8	273.3	281.7	290.2	298.6	307.1	315.5	
06	29.8	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		
07	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	
08	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	
09	29.8	267	238	210	195	187	182	178	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176		
10	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		
11	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		
12	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		
13	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		
14	51.3	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		
15	26.9	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		
16	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	130.0		
17	29.8	286	273	260	248	238	225	215	206	312	298	283	267	251	238	222	210	199	189	179	169	159	149	139	129	119	109	99	89	79	69	59	49	39	29	19	9	-1		
18	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		
19	43.8	41.3	39.8	39.4	40.8	41.7	44.4	47.7	50.6	53.3	56.0	58.7	61.4	64.1	66.8	69.5	72.2	74.9	77.6	80.3	83.0	85.7	88.4	91.1	93.8	96.5	99.2	101.9	104.6	107.3	110.0	112.7	115.4	118.1	120.8	123.5	126.2	128.9		
20	29.8	290	281	271	262	253	245	238	228	308	298	288	278	267	256	246	236	226	216	206	196	186	176	166	156	146	136	126	116	106	96	86	76	66	56	46	36	26		
21	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			
22	59.0	47.5	45.9	45.1	45.2	46.4	48.4	51.1	54.5	59.8	65.1	70.4	75.7	81.0	86.3	91.6	96.9	102.2	107.5	112.8	118.1	123.4	128.7	134.0	139.3	144.6	149.9	155.2	160.5	165.8	171.1	176.4	181.7	187.0	192.3	197.6	202.9	208.2		
23	38.1	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			
24	30.2	36.1	41.4	46.6	50.9	55.1	59.3	63.5	67.7	71.9	76.1	80.3	84.5	88.7	92.9	97.1	101.3	105.5	109.7	113.9	118.1	122.3	126.5	130.7	134.9	139.1	143.3	147.5	151.7	155.9	160.1	164.3	168.5	172.7	176.9	181.1	185.3			
25	26.9	19.0	17.3	22.0	26.7	33.0	40.1	47.8	55.7	63.6	71.5	79.4	87.3	95.2	103.1	111.0	118.9	126.8	134.7	142.6	150.5	158.4	166.3	174.2	182.1	190.0	197.9	205.8	213.7	221.6	229.5	237.4	245.3	253.2	261.1	269.0	276.9			
26	31	31	67	97	109	114	125	132	141	122	131	140	149	158	167	176	185	194	203	212	221	230	239	248	257	266	275	284	293	302	311	320	329	338	347	356	365	374		
27	33.6	36.2	42.1	47.1	51.6	55.8	60.1	64.3	68.5	72.7	76.9	81.1	85.3	89.5	93.7	97.9	102.1	106.3	110.5	114.7	118.9	123.1	127.3	131.5	135.7	139.9	144.1	148.3	152.5	156.7	160.9	165.1	169.3	173.5	177.7	181.9	186.1			
28	26.7	17.8	9.1	11.0	16.5	23.5	30.9	38.4	45.9	53.4	60.9	68.4	75.9	83.4	90.9	98.4	105.9	113.4	120.9	128.4	135.9</																			

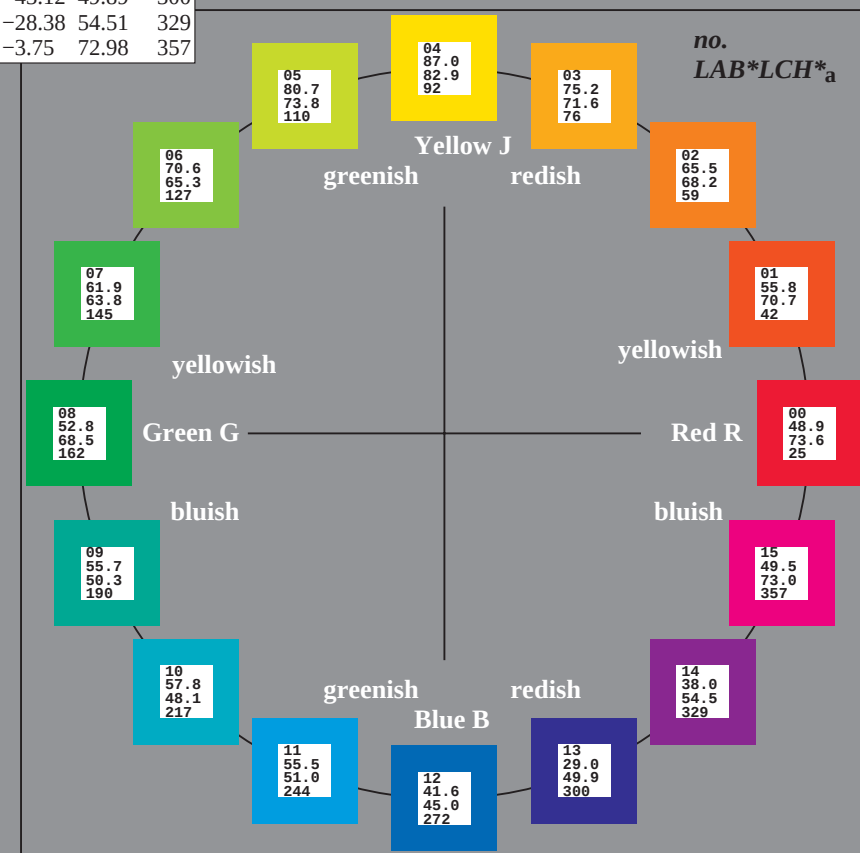
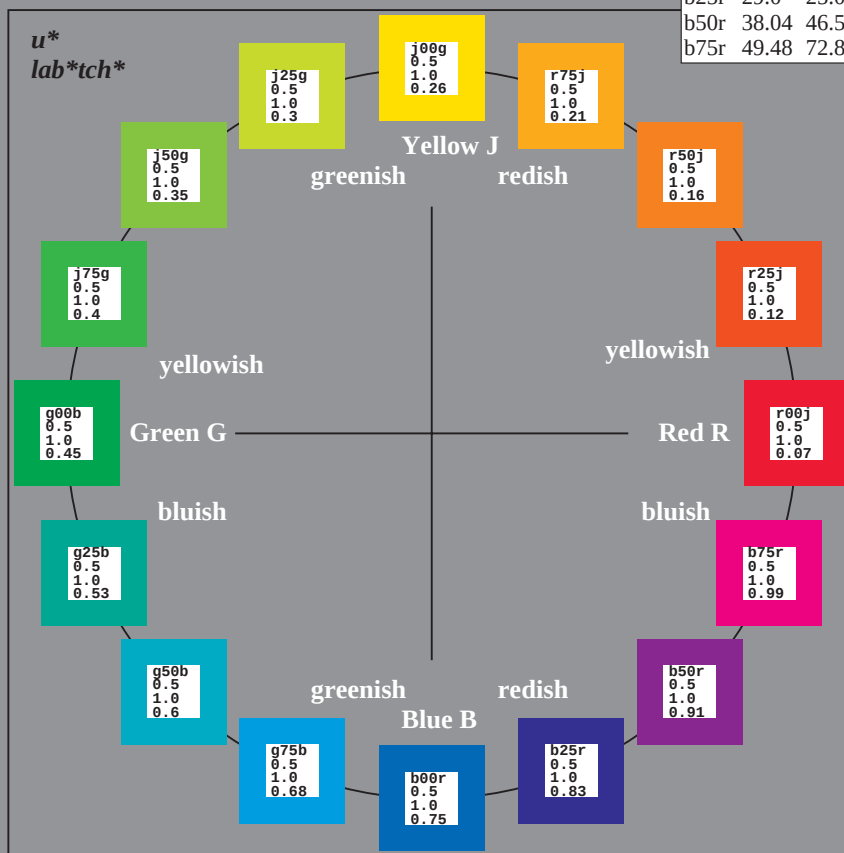
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
*u** = 16 hues *r00j*, *r25j*, ..., *b75r*
contrast reduction factor:
 $c_R = 1.0$

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^*

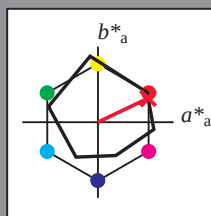
elementary hue text:

$u^* = r00j$

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

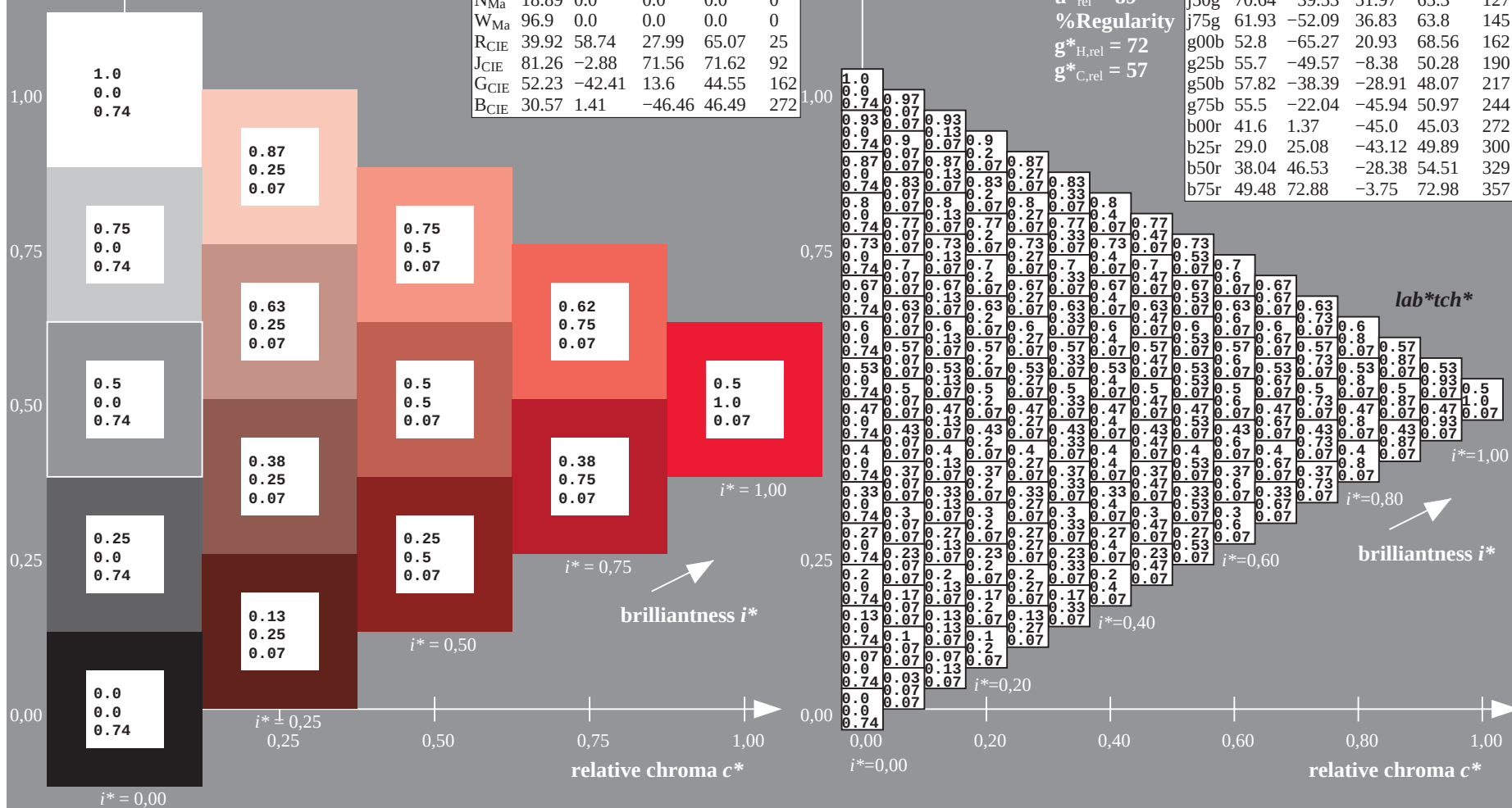
$u^*_{rel} = 89$

%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



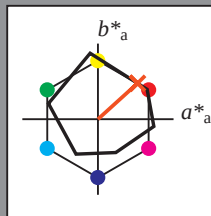
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$ data for any colour: Data for maximum colour (Ma):

*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^*_a	a^*_a	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*5 : 56 71 42

LABLCH***Ma*: 56 71 42**

*lab*rgb*_Ma: 1.0 0.25 0.0*

lab*olv*_Ma: 1.0 0.17

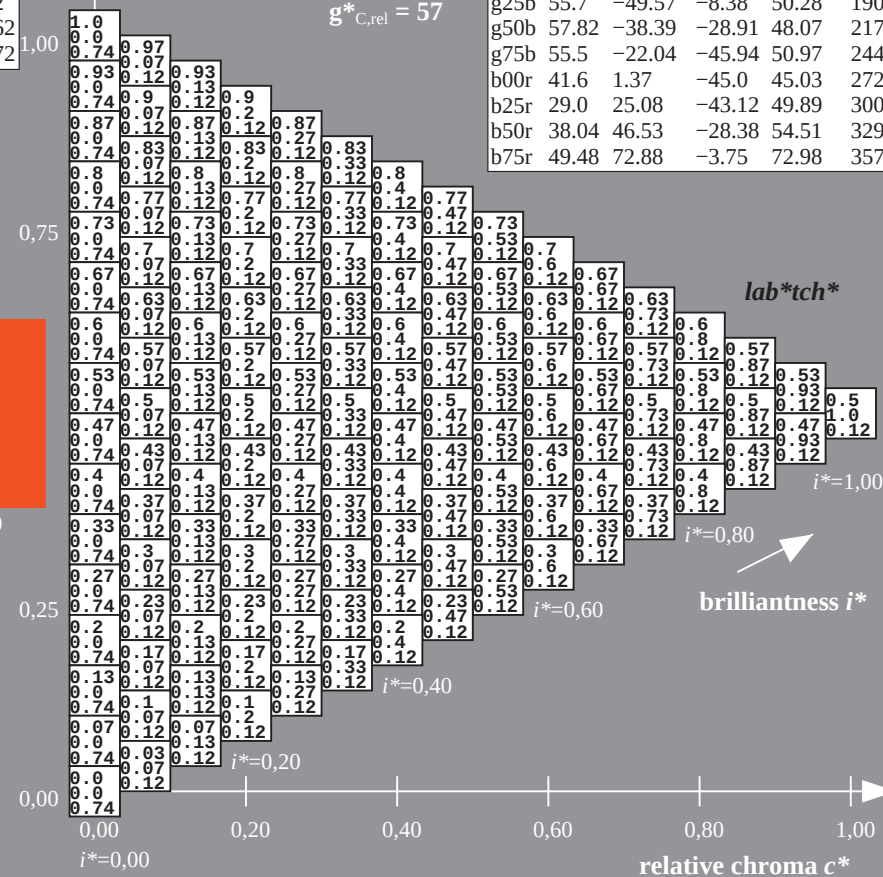
triangle lightness t^*

triangle rightness:

%Gamut

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

%Regularity

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


*lab*tch**

brilliantness i^*

BAM-test chart De98; Colorimetric systems, Page 93/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

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

BAM registration: 20080701-De98/10/L/98E00NA.PS/.TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

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

data for any colour:

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

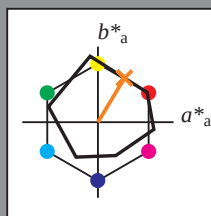
elementary hue text:

$u^* = r50j$

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^*

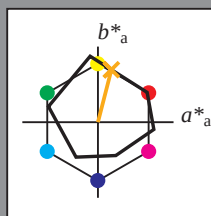
elementary hue text:

$u^* = r75j$

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^*tch^*

$i^* = 1.00$

brilliantness i^*

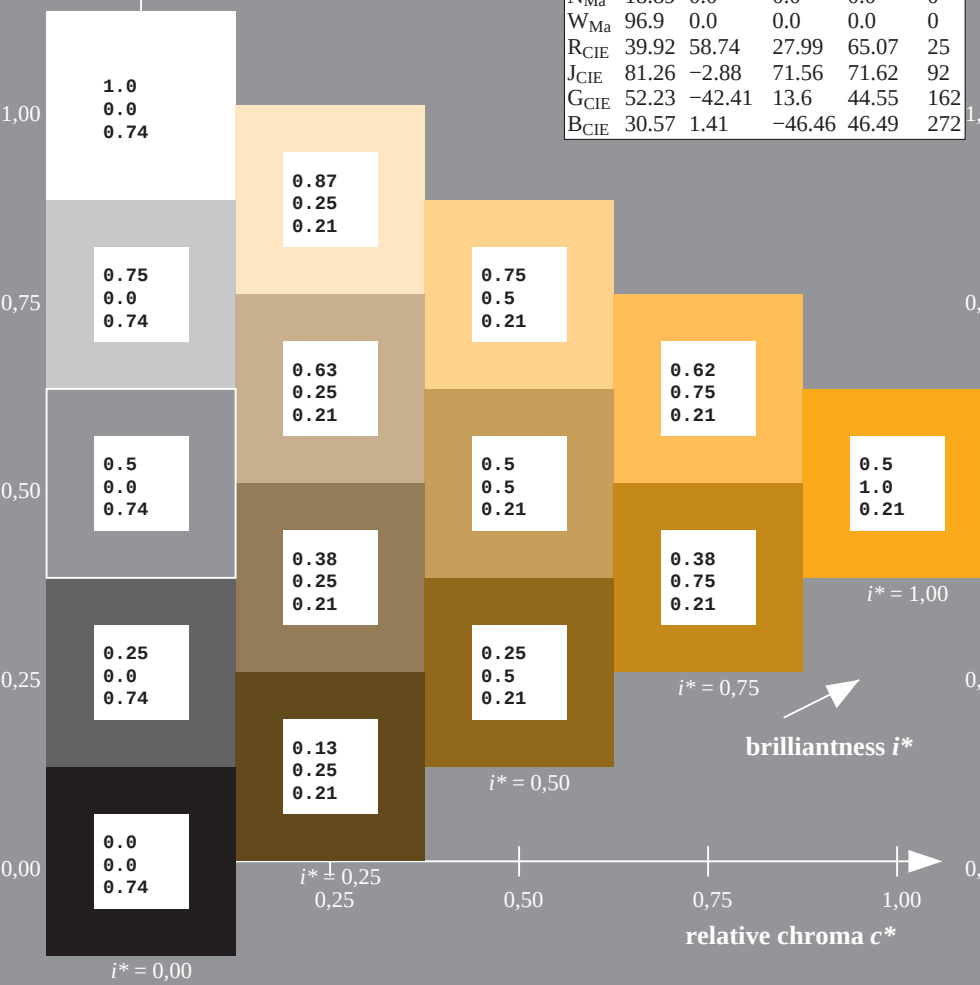
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



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

data for any colour:

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

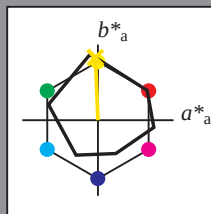
elementary hue text:

$u^* = j00g$

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^*

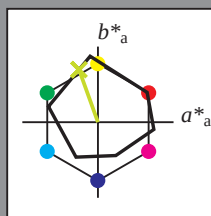
elementary hue text:

$u^* = j25g$

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

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/L98E00NA.PS/.TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

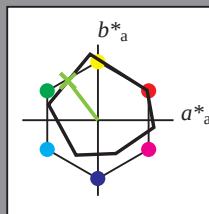
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$ data for any colour: Data for maximum colour (Ma):

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

elementary hue text:

$$u^* = j50g$$

contrast reduction factor:

$$c_B = 1.0$$
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* M_0 : 71 -39 52

LAB*LGU* 71 65 125

LAB'LCH*Ma: 71 65 1

*lab*rgb*_Ma: 0.5 1.0 0.0*

lab*olv*Ma: 0.47 1.0 0.0

triangle lightness t^*

Figure 6

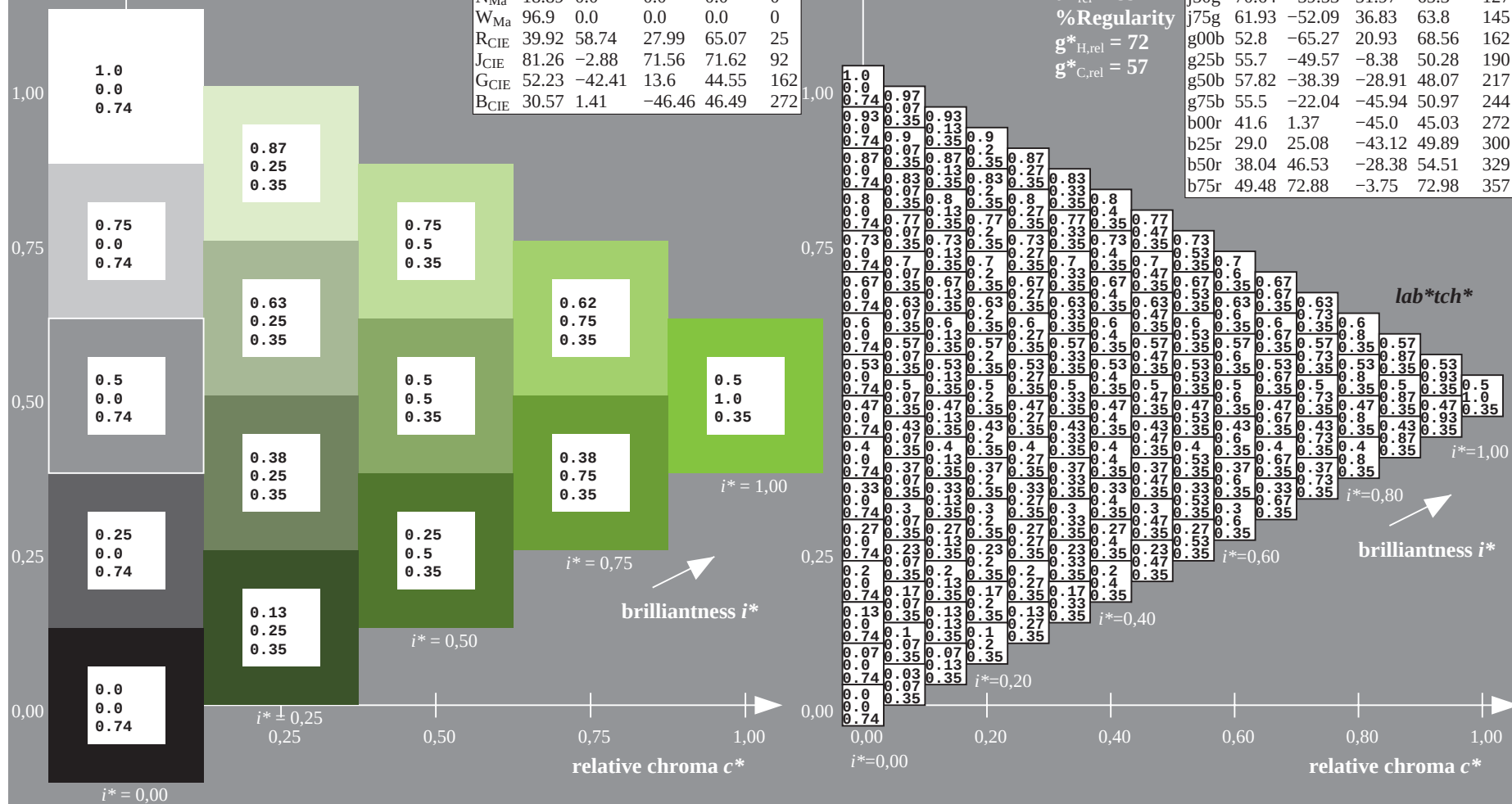
%Gamut

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

%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 98/180
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^*

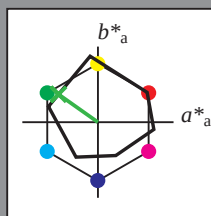
elementary hue text:

$u^* = j75g$

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^*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^*

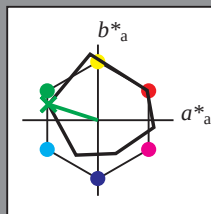
elementary hue text:

$u^* = g00b$

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

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^*

$i^* = 0.00$

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^*

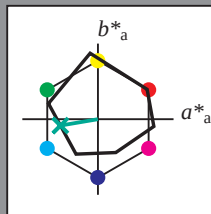
elementary hue text:

$u^* = g25b$

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^*

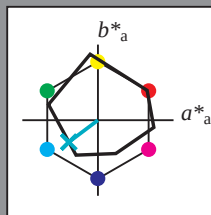
elementary hue text:

$u^* = g50b$

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^*

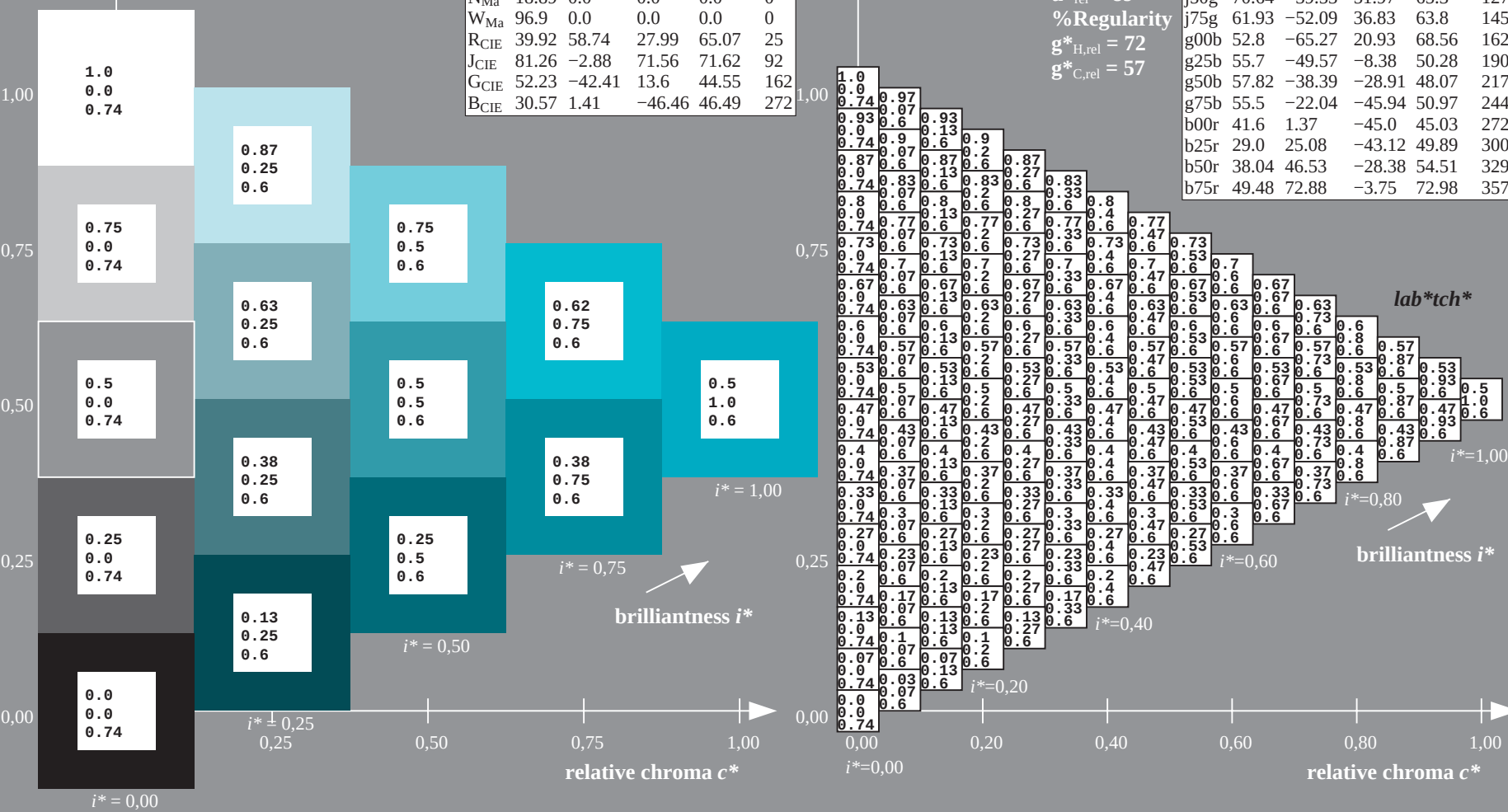
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



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^*

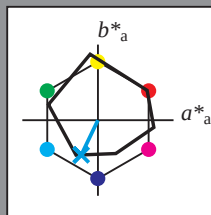
elementary hue text:

$u^* = g75b$

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

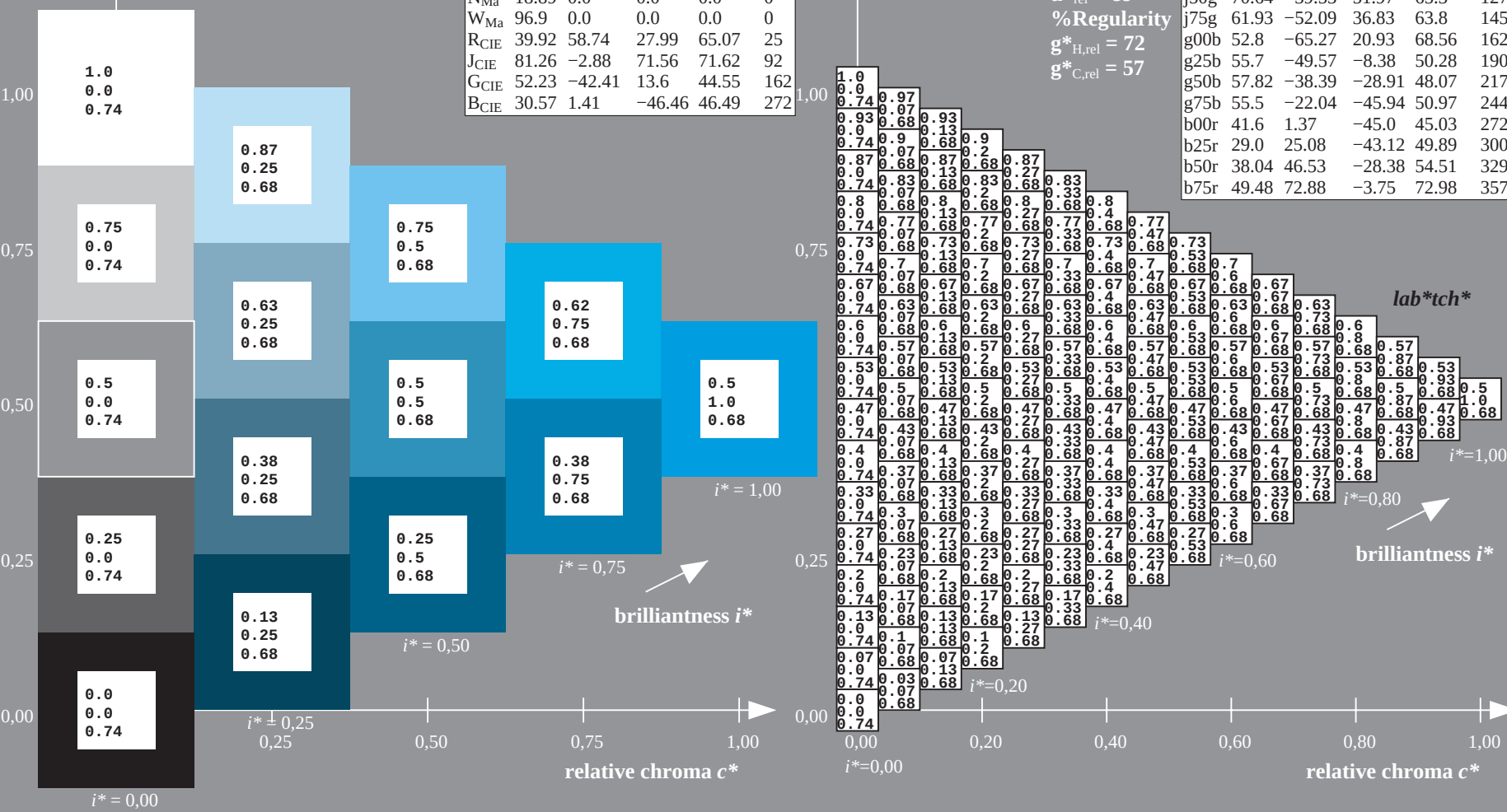
$u^*_{rel} = 89$

%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



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^*

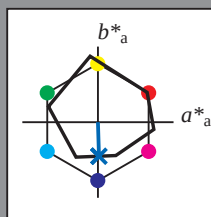
elementary hue text:

$u^* = b00r$

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

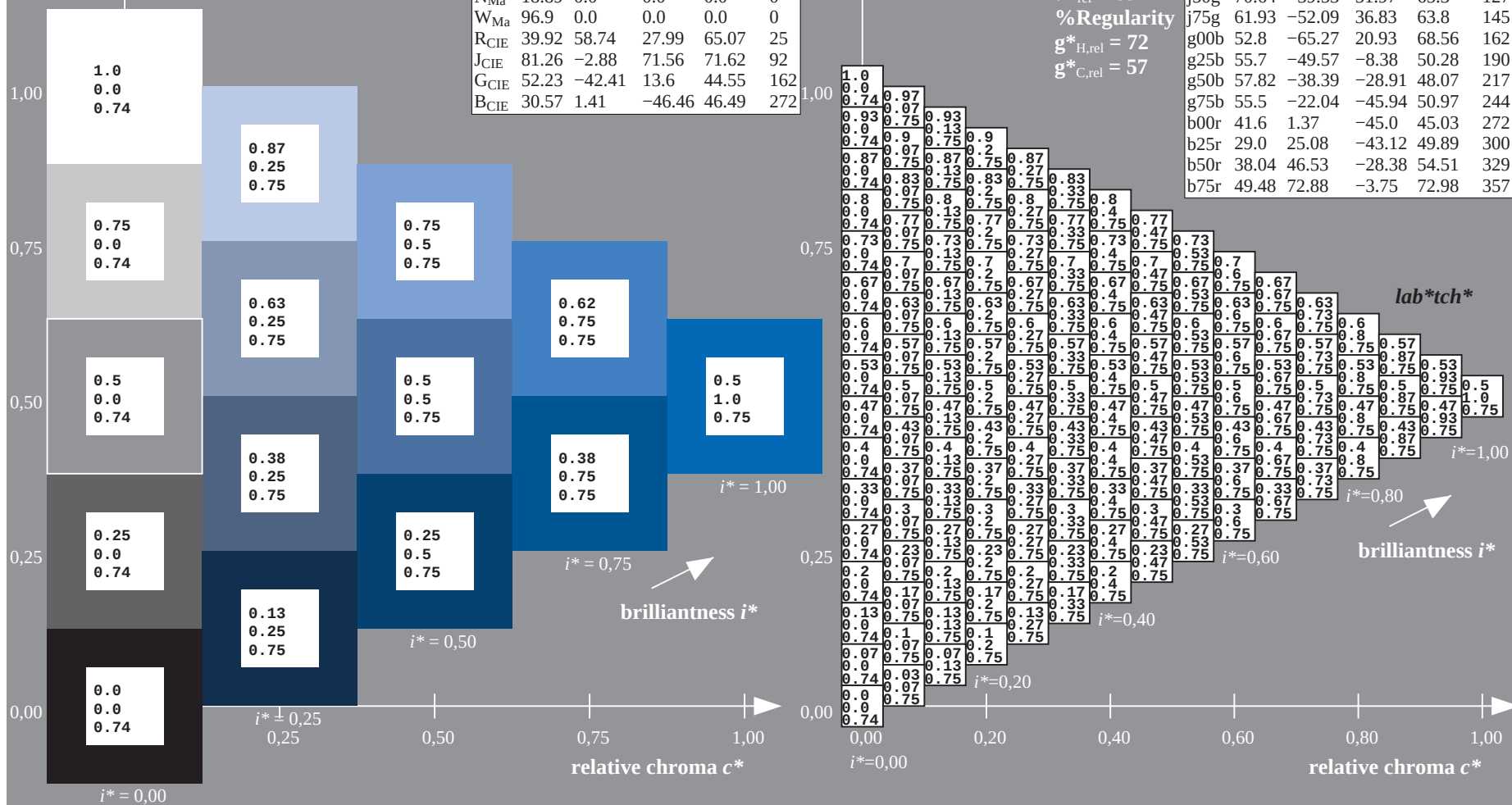
$u^*_{rel} = 89$

%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^*

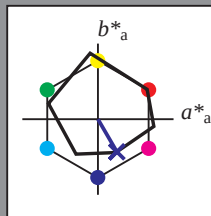
elementary hue text:

$u^* = b25r$

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

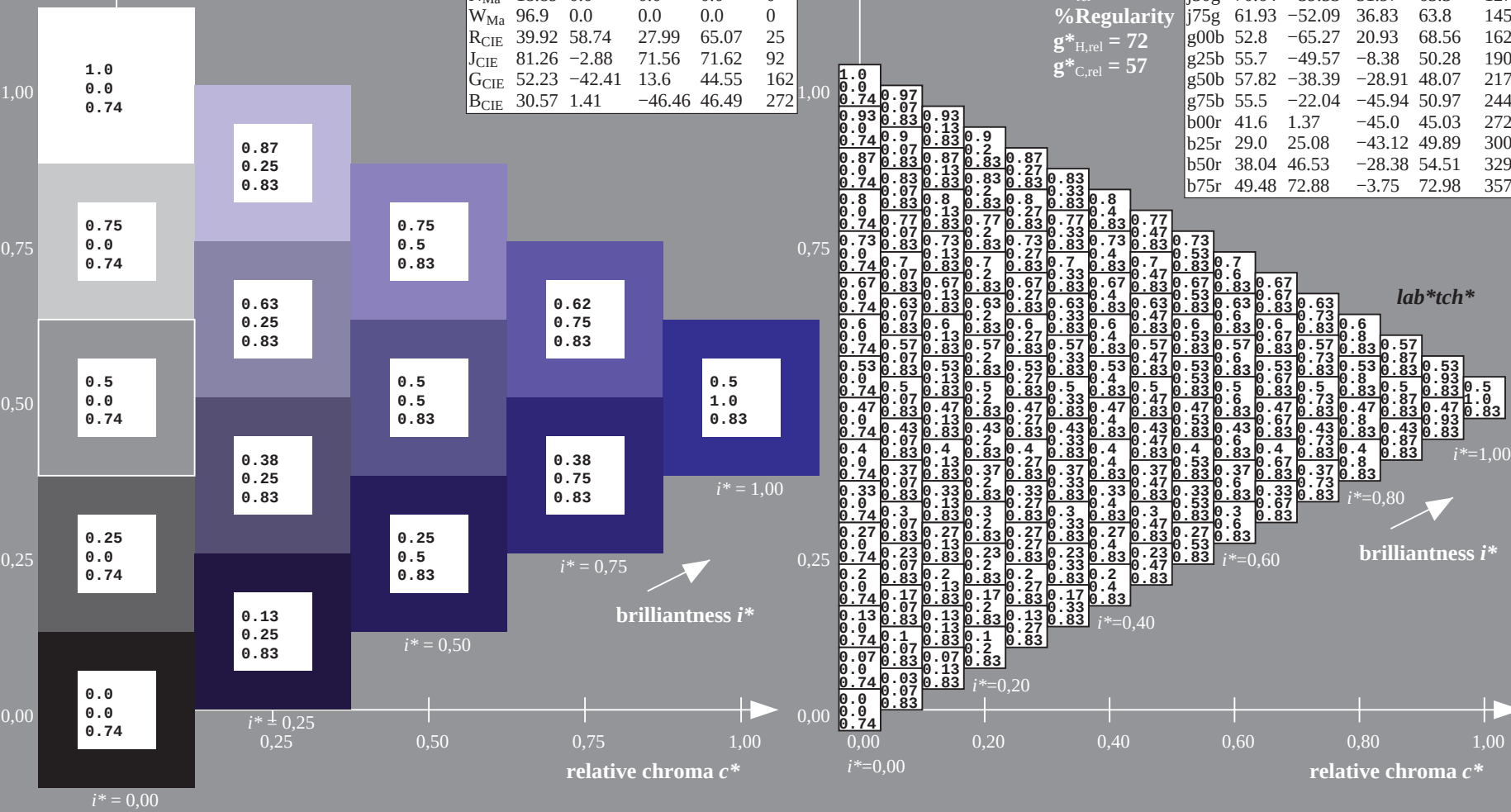
$u^*_{rel} = 89$

%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^*

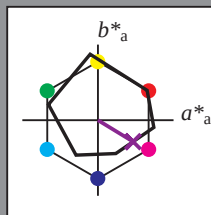
elementary hue text:

$u^* = b50r$

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

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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

data for any colour:

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

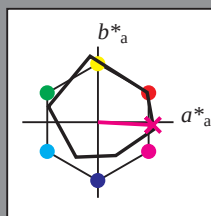
elementary hue text:

$u^* = b75r$

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):

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

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

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

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

triangle lightness t^*

%Gamut

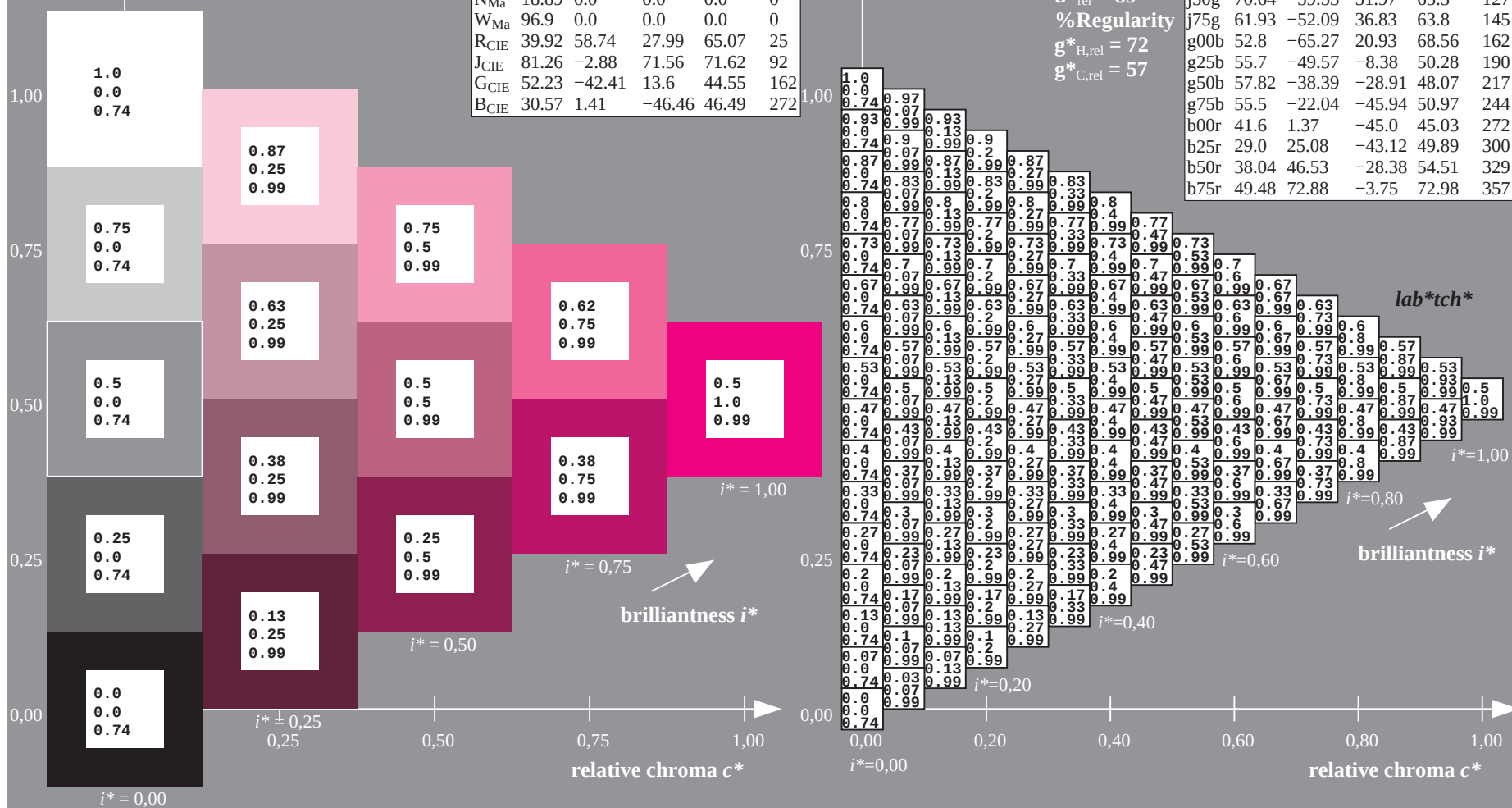
$u^*_{\text{rel}} = 89$

%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



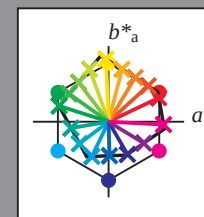
See for similar files: <http://www.ps.bam.de/De98/>; www.ps.bam.de/De98/10L/L98E00NA.PS/.TXT
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSpX=1

BAM registration: 20080701-De98/10L/L98E00NA.PS/.TXT 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	0.75	0.81	0.87	0.93	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	0.75	0.81	0.87	0.93	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	0.75	0.81	0.87	0.93	0.98	1.0
02	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0	
03	0.0	0.18	0.37	0.56	0.75	0.93	1.12	1.31	1.5	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0		
04	0.0	0.25	0.5	0.75	1.0	1.25	1.5	1.75	2.0	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0			
05	0.0	0.31	0.62	0.93	1.25	1.56	1.87	2.19	2.5	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0				
06	0.0	0.38	0.75	1.12	1.5	1.87	2.25	2.62	3.0	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0					
07	0.0	0.44	0.87	1.25	1.62	2.0	2.37	2.75	3.12	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0						
08	0.0	0.5	0.93	1.31	1.75	2.19	2.62	3.0	3.37	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0							
09	0.0	0.56	1.0	1.37	1.87	2.31	2.75	3.19	3.62	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0								
10	0.0	0.62	1.06	1.44	1.93	2.37	2.81	3.25	3.69	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0									
11	0.0	0.68	1.12	1.5	2.0	2.44	2.87	3.31	3.75	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0										
12	0.0	0.75	1.19	1.56	2.06	2.5	2.93	3.37	3.81	0.68	0.75	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0											
13	0.0	0.81	1.25	1.62	2.12	2.56	3.0	3.44	3.87	0.75	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0												
14	0.0	0.87	1.31	1.69	2.19	2.62	3.06	3.5	3.93	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0													
15	0.0	0.93	1.37	1.75	2.25	2.69	3.12	3.56	4.0	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0														
16	0.0	0.98	1.44	1.81	2.31	2.75	3.19	3.62	4.06	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0															
17	0.0	1.0	1.5	1.87	2.37	2.81	3.25	3.69	4.12	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0																
18	0.0	1.06	1.56	1.93	2.44	2.87	3.31	3.75	4.19	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0																	
19	0.0	1.12	1.62	2.0	2.5	2.93	3.37	3.81	4.25	1.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0	
20	0.0	1.19	1.69	2.06	2.56	3.0	3.44	3.87	4.31	1.25	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0		
21	0.0	1.25	1.75	2.12	2.62	3.06	3.5	3.93	4.37	1.31	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0			
22	0.0	1.31	1.81	2.19	2.69	3.12	3.56	4.0	4.44	1.37	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0				
23	0.0	1.37	1.87	2.25	2.75	3.19	3.62	4.06	4.5	1.44	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0					
24	0.0	1.44	1.93	2.25	2.81	3.25	3.69	4.12	4.56	1.5	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0						
25	0.0	1.5	2.0	2.31	2.81	3.25	3.69	4.12	4.56	1.56	0.5	0.56	0.62	0.68	0.75	0.81	0.87	0.93	0.98	1.0	0.0	0.06	0.12	0.25	0.37	0.5	0.62	0.75</																										

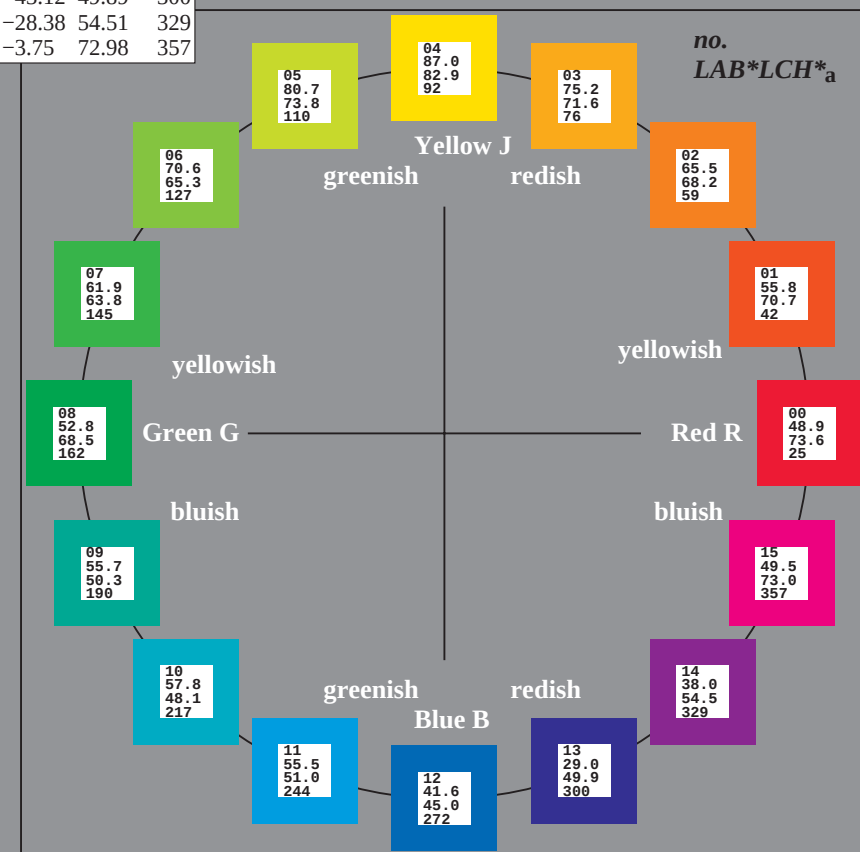
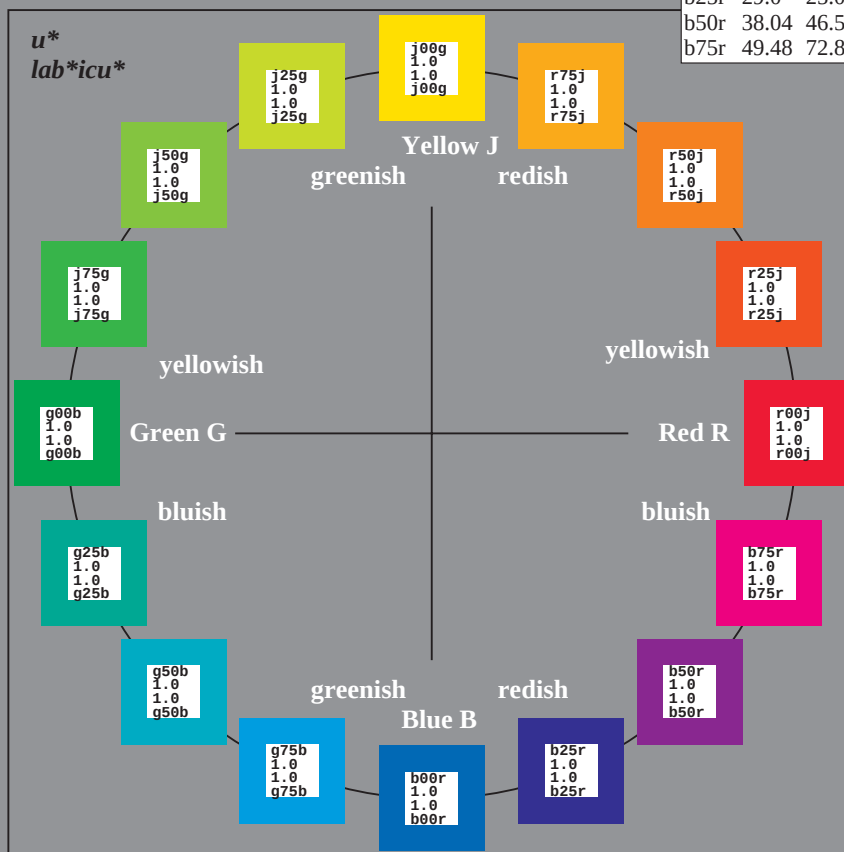
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
 $lab^{*}tch^{*}$ and $lab^{*}icu^{*}$
elementary hue text:
 $u^{*} = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

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^*

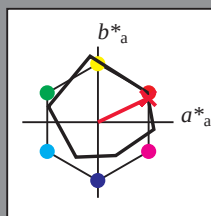
elementary hue text:

$u^* = r00j$

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^*

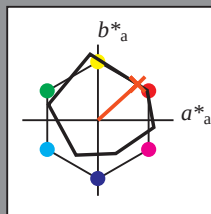
elementary hue text:

$u^* = r25j$

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^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

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^*

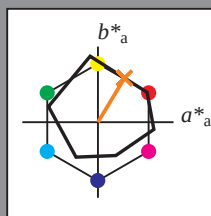
elementary hue text:

$u^* = r50j$

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^*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 $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

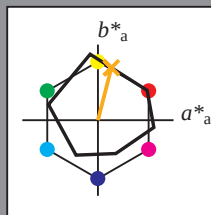
elementary hue text:

$u^* = r75j$

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

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**

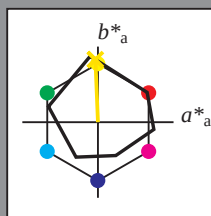
elementary hue text:

$$u^* = j00g$$

contrast reduction factor:

 $c_R = 1.0$

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

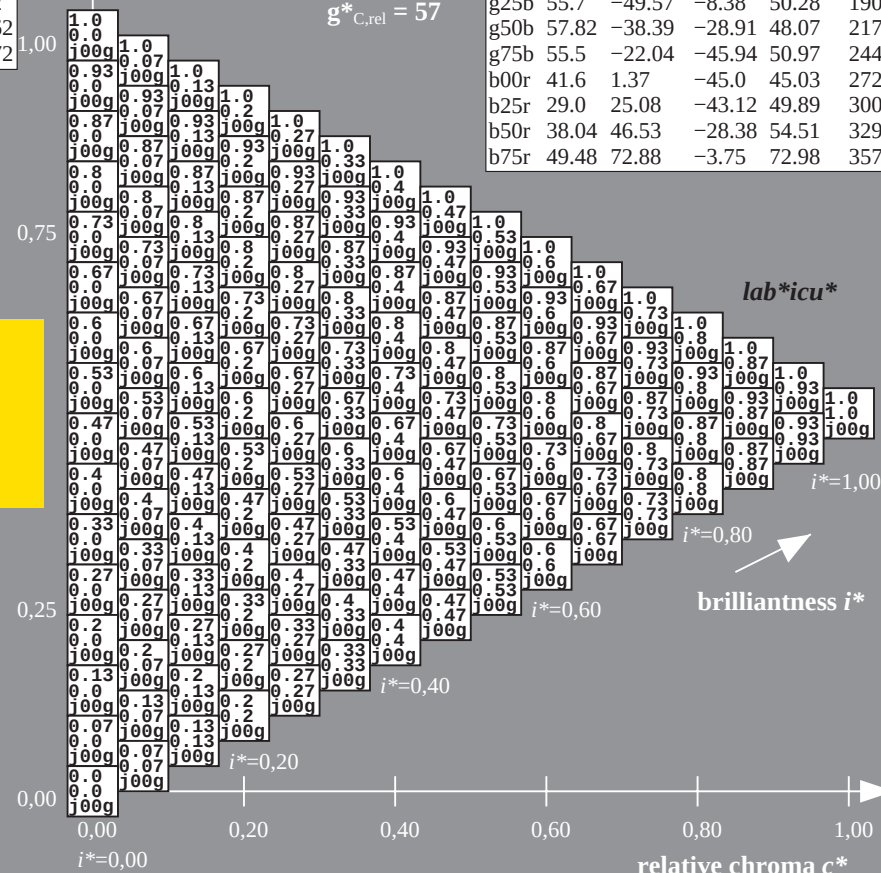
triangle lightness t^*

▲

%Gamut

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

% Regular

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


*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: ->cmy5* setcmykcolor
```

BAM registration: 20080701-De98101/L98E00NA.PS/.TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

BAM material: code=rha4ta

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^*

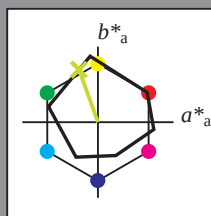
elementary hue text:

$u^* = j25g$

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

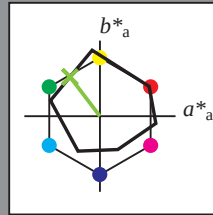
data for any colour:

*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					
	$L^*_a = \bar{L}^*_a$	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*M₂: 71 -39 52

LAB*LCH* - : 71 65 127

LAB LCH Ma: 71 65 1

*lab*rgb*_Ma: 0.5 1.0 0.0*

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

triangle lightness t^*

100

%Gamut

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

%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	

*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^*

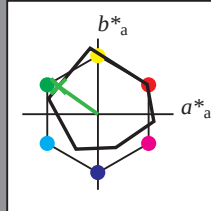
elementary hue text:

$u^* = j75g$

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

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

data for any colour:

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

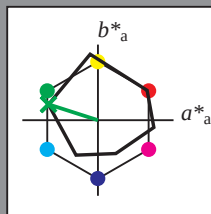
elementary hue text:

$u^* = g00b$

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):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 53 -64 21

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

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

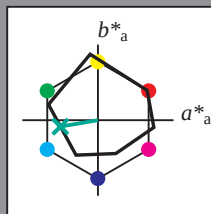
elementary hue text:

$u^* = g25b$

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^*

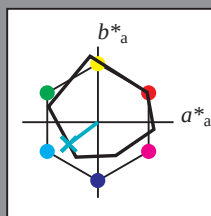
elementary hue text:

$u^* = g50b$

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^*

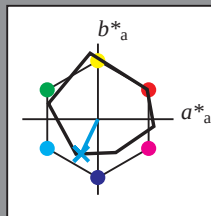
elementary hue text:

$u^* = g75b$

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^*

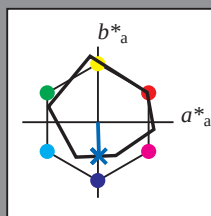
elementary hue text:

$u^* = b00r$

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

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^*

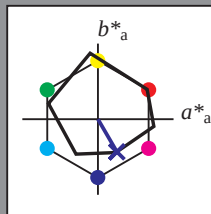
elementary hue text:

$u^* = b25r$

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^*

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^*

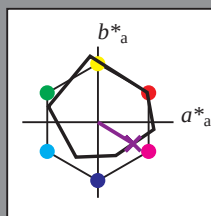
elementary hue text:

$u^* = b50r$

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^*icu^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

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

data for any colour:

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

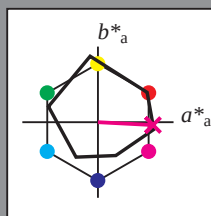
elementary hue text:

$u^* = b75r$

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):

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

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

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

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

triangle 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

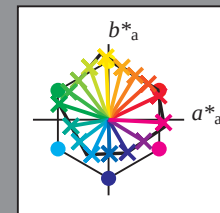
See for similar files: <http://www.ps.bam.de/De98/>; www.ps.bam.de/De98/De98E00NA.PS/.TXT
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSp=1

BAM registration: 20080701-De98/10L/L98E00NA.PS/.TXT BAM material: code=rhadt
application for evaluation and measurement of printer or monitor systems

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*icu*		
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
02	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.12	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.25	0.25	0.25	0.37	0.5	0.62	0.75	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
03	0.25	0.25	0.25	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
04	0.38	0.38	0.38	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
05	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
06	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
07	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	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	
08	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	
09	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
10	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
11	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
12	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
13	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
14	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
15	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
16	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	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	
17	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	
18	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
19	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	
20	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	
21	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	
22	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	
23	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	
24	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	
25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	
26	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	
27	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88										

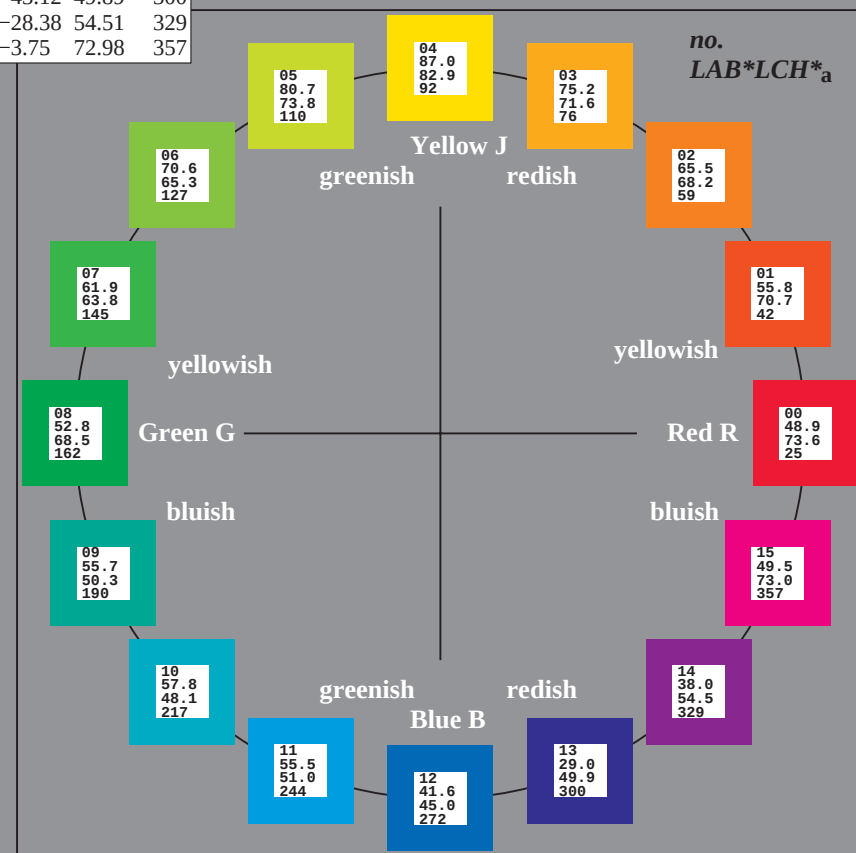
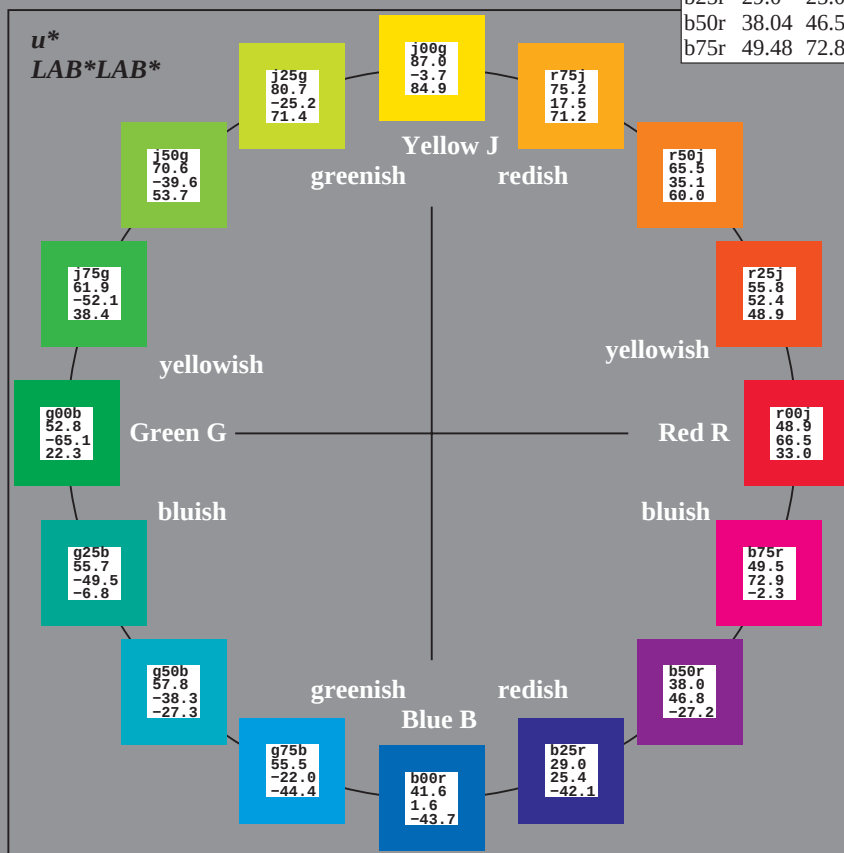
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
*lab*tch* and lab*icu**
elementary hue text:
u = 16 hues r00j, r25j, ..., b75r*
contrast reduction factor:
 $c_R = 1.0$

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

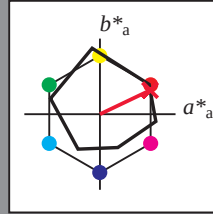
ORS19_96; CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.77	89.36	90.01	97
L _M	52.69	-65.39	22.15	69.05	161
C _M	59.61	-29.03	-44.68	53.3	237
V _M	28.39	24.0	-43.17	49.4	299
M _M	49.58	74.01	-8.21	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	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: Data for maximum colour (Ma):

*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	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	-8.21	74.47	35
N _M	18.89	0.5	0.77	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}: 49 66 32

LAB*LCH*M_a: 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

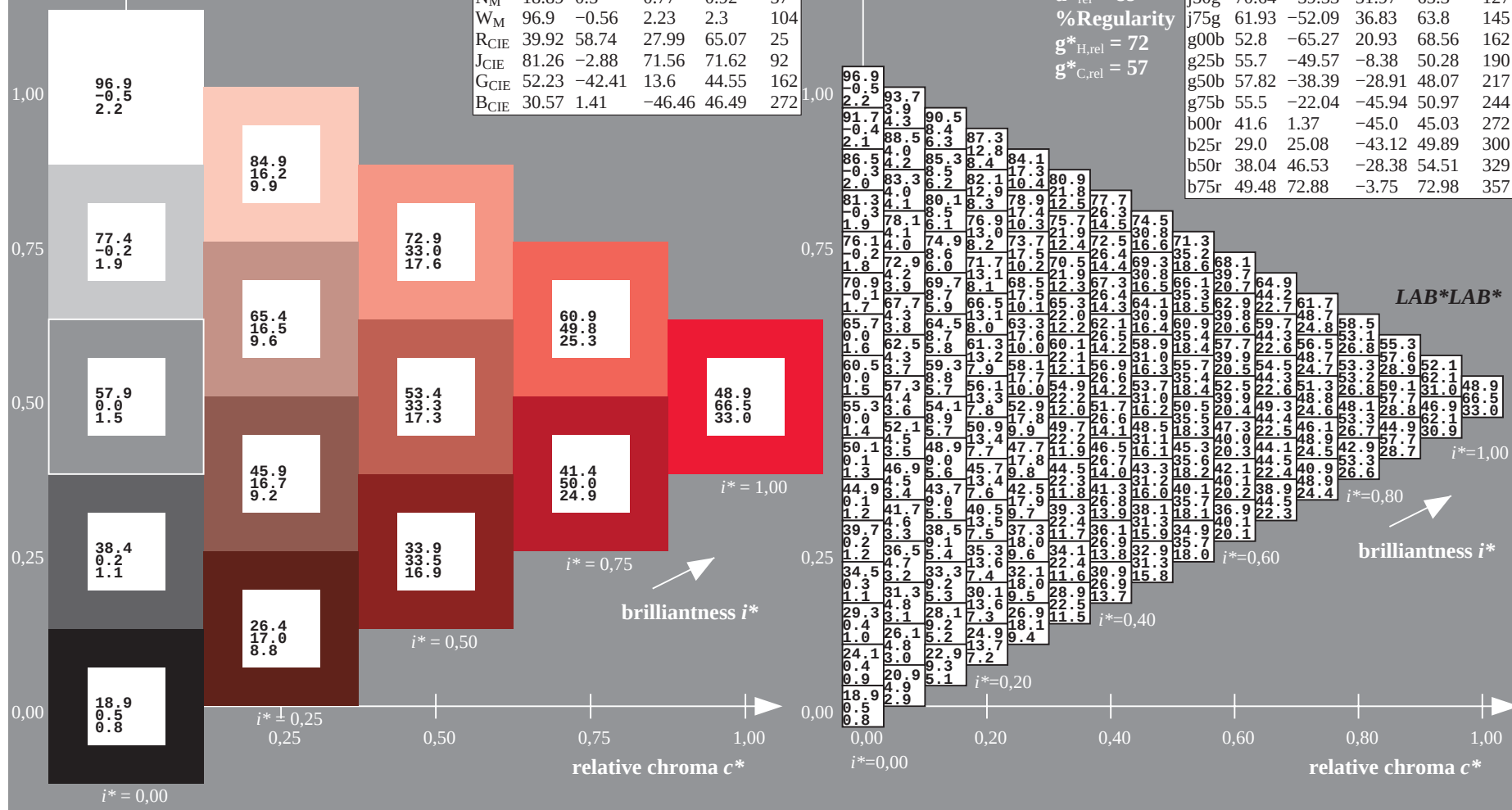
$$\mathbf{u}_{\text{rel}}^* = 89$$

%Regular

$$g^*_{H,rel} = 72$$
$$u^* = r00j$$

$$LAB^*LAB^*$$

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 128/180
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/L98E00NA.PS/.TXT BAM material: code=rha4ta
- application for evaluation and measurement of printer or monitor systems

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

data for any colour:

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

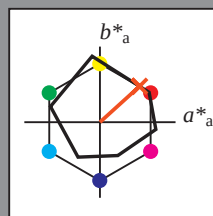
elementary hue text:

$u^* = r25j$

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

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

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

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^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

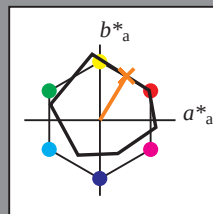
$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$ data for any colour: Data for maximum colour (Ma):

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

$$u^* = r50j$$

contrast reduction factor:

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

ORS19_96; CIELAB data					
	$L^*_{*} = 100 - a^*$	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	-8.21	74.47	35
N _M	18.89	0.5	0.77	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}: 65 35 58

LAB*LCH*_{M₂}: 65 68 59

 $lab*rag*M_3: 1.0 \ 0.5 \ 0.0$

*lab*oly**M₃: 1.0 0.4 0.0

triangle lightness t^*

triangle heightness t

%Gamut

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

%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	

*LAB*LAB**

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

BAM-test chart De98; Colorimetric systems, Page 130/180
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 $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

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

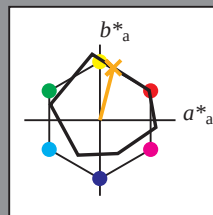
elementary hue text:

$u^* = r75j$

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

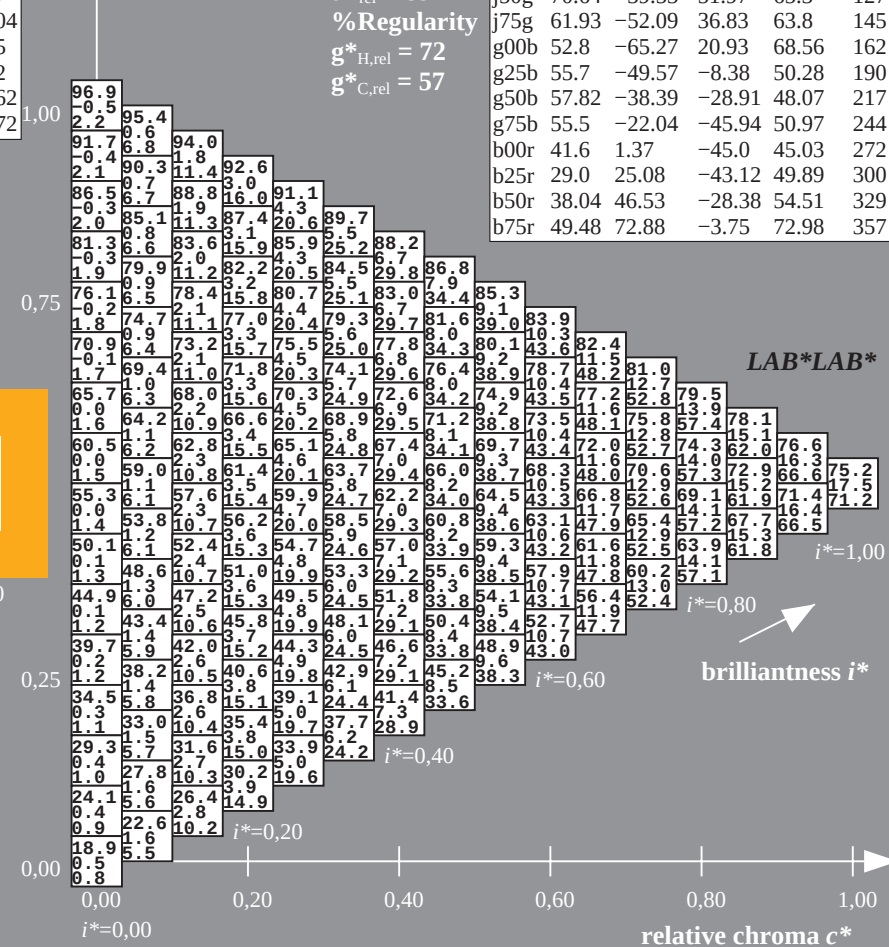
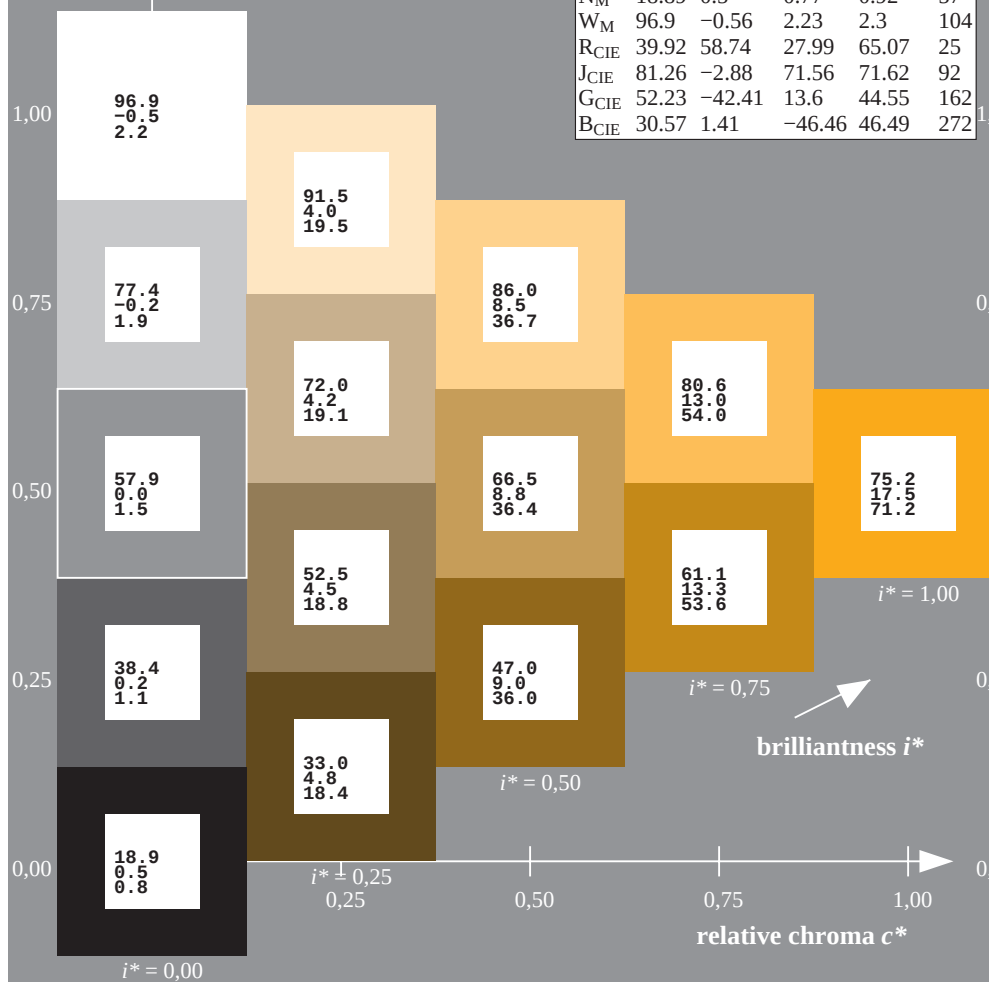
$g^*_{H,rel} = 72$

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

$u^* = r75j$

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^*

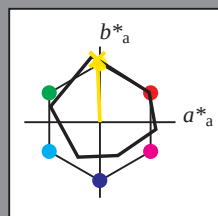
elementary hue text:

$u^* = j00g$

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^*

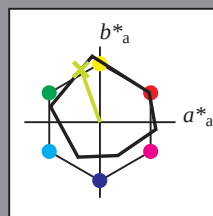
elementary hue text:

$u^* = j25g$

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

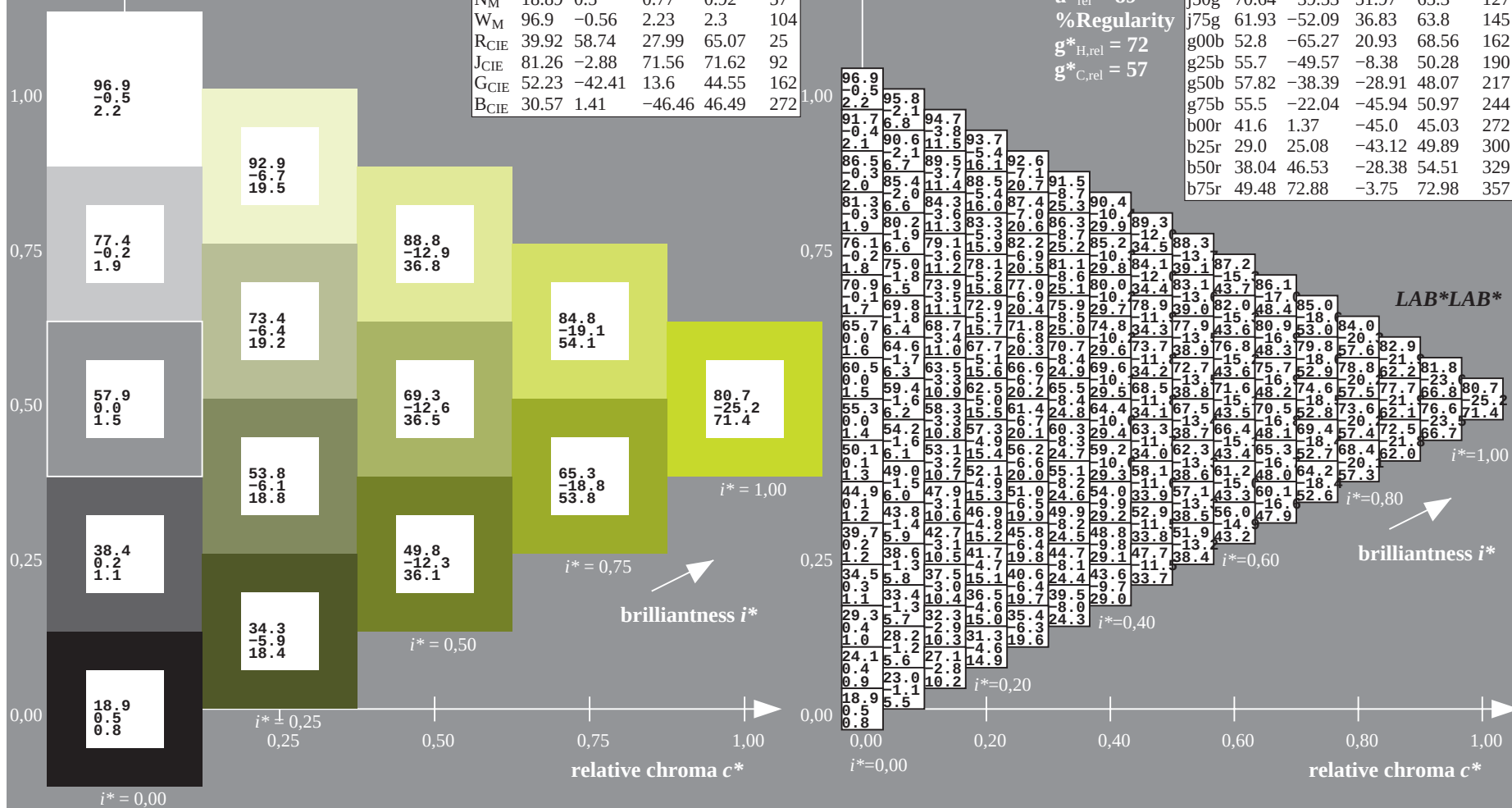
$u^*_{rel} = 89$

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

data for any colour:

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

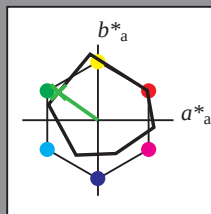
elementary hue text:

$u^* = j75g$

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

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

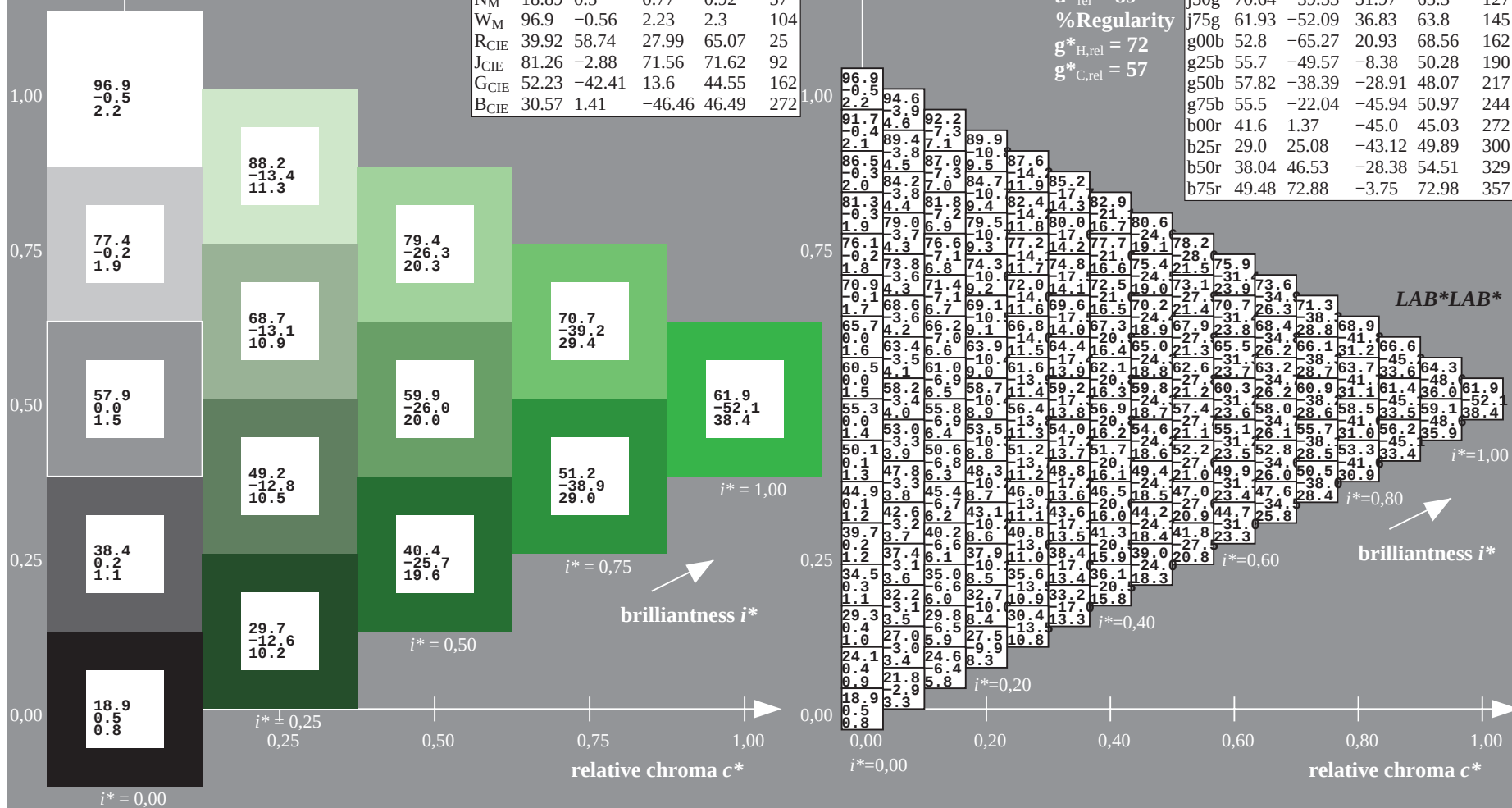
$g^*_{C,rel} = 57$

$u^* = j75g$

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 $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

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

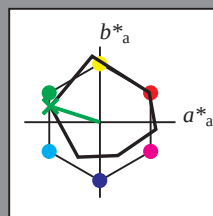
elementary hue text:

$u^* = g00b$

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

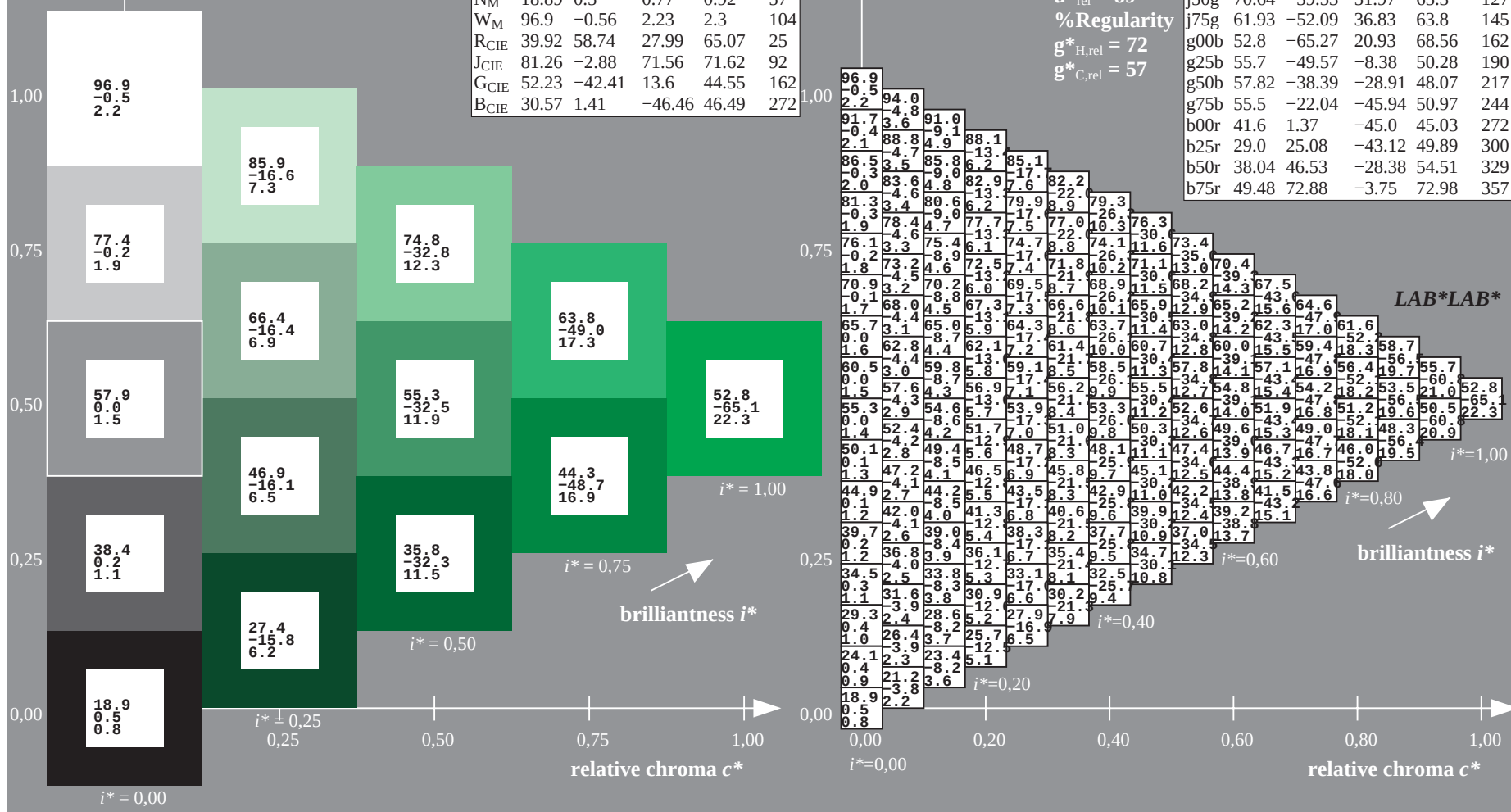
$u^*_{rel} = 89$

%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^*

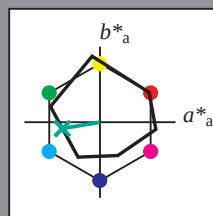
elementary hue text:

$u^* = g25b$

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

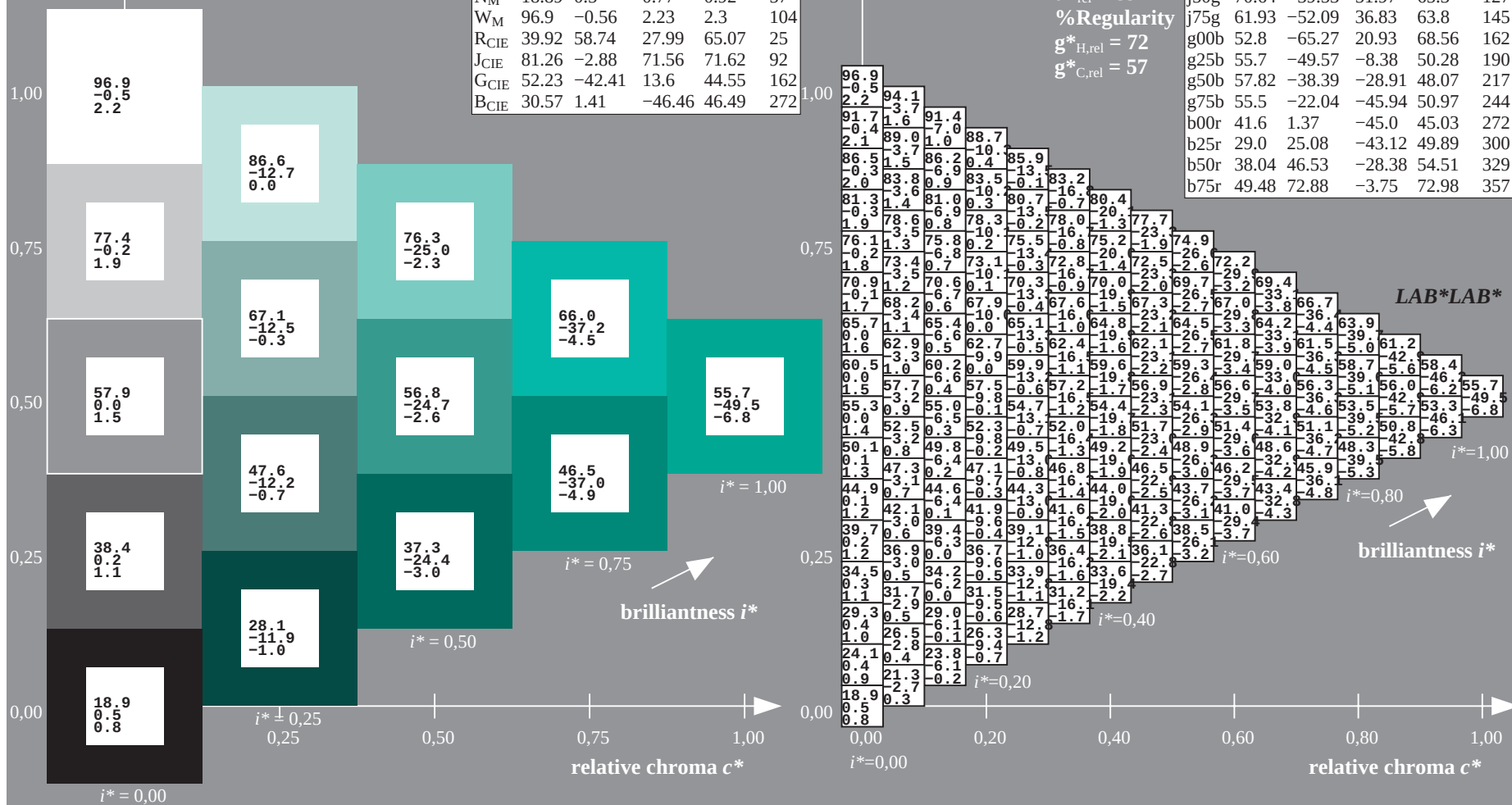
$u^*_{rel} = 89$

%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^*

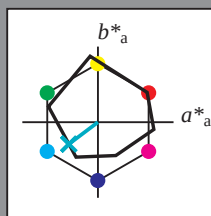
elementary hue text:

$u^* = g50b$

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

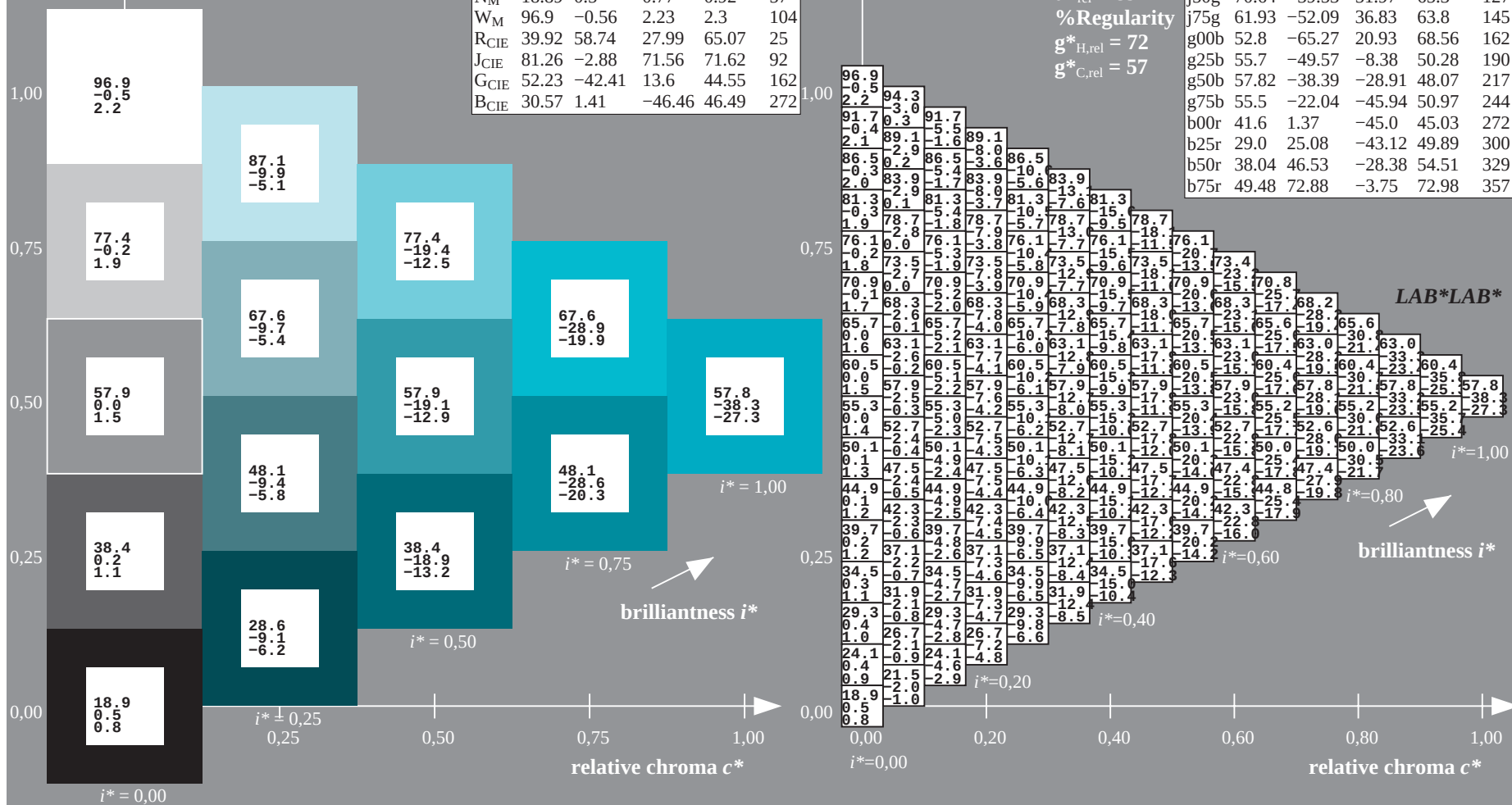
$g^*_{H,rel} = 72$

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

$u^* = g50b$

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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

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

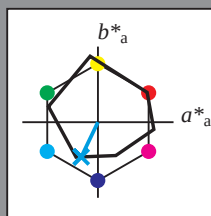
elementary hue text:

$u^* = g75b$

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

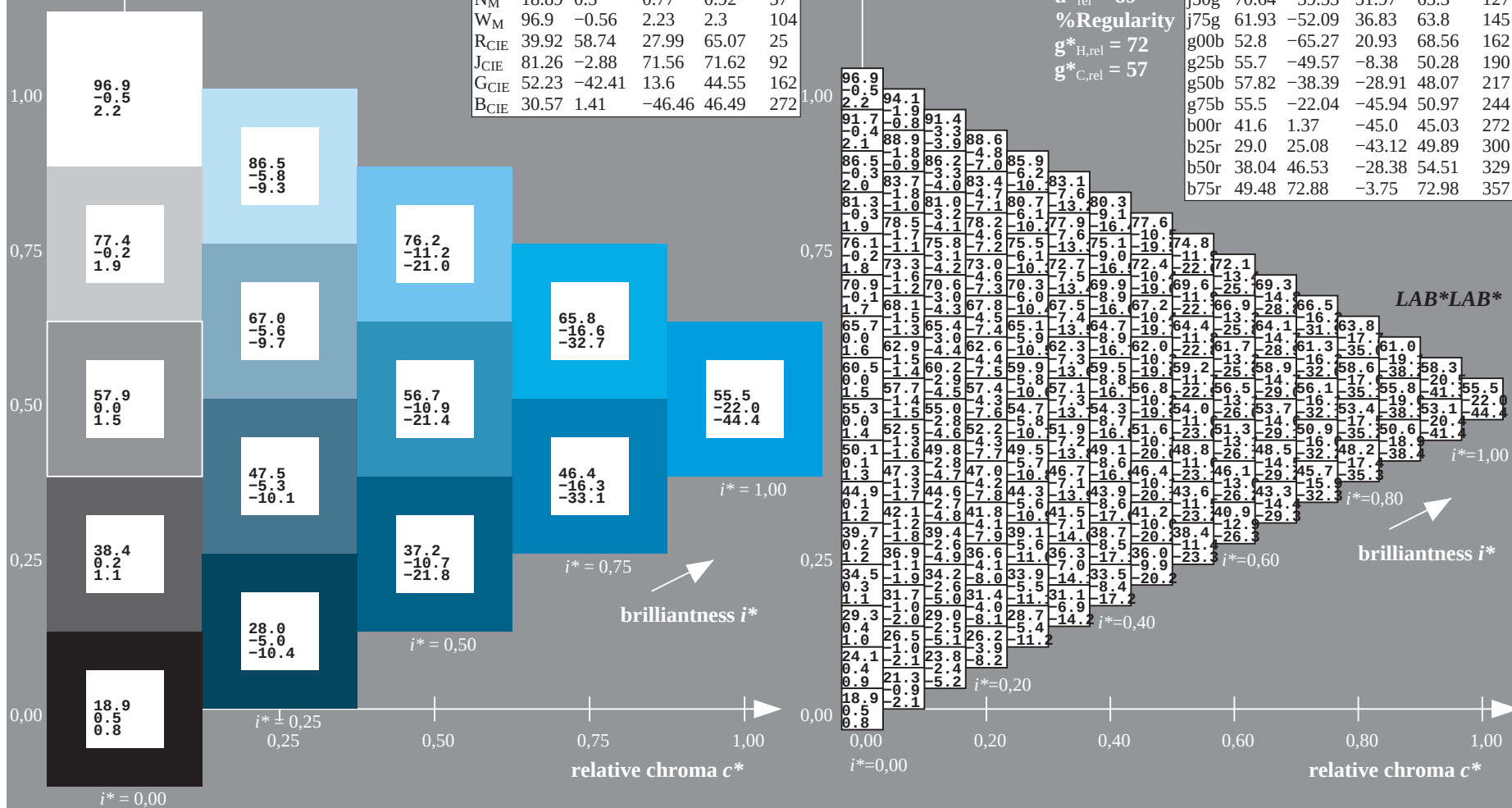
$g^*_{H,rel} = 72$

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

$u^* = g75b$

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

data for any colour:

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

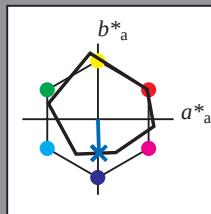
elementary hue text:

$u^* = b00r$

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

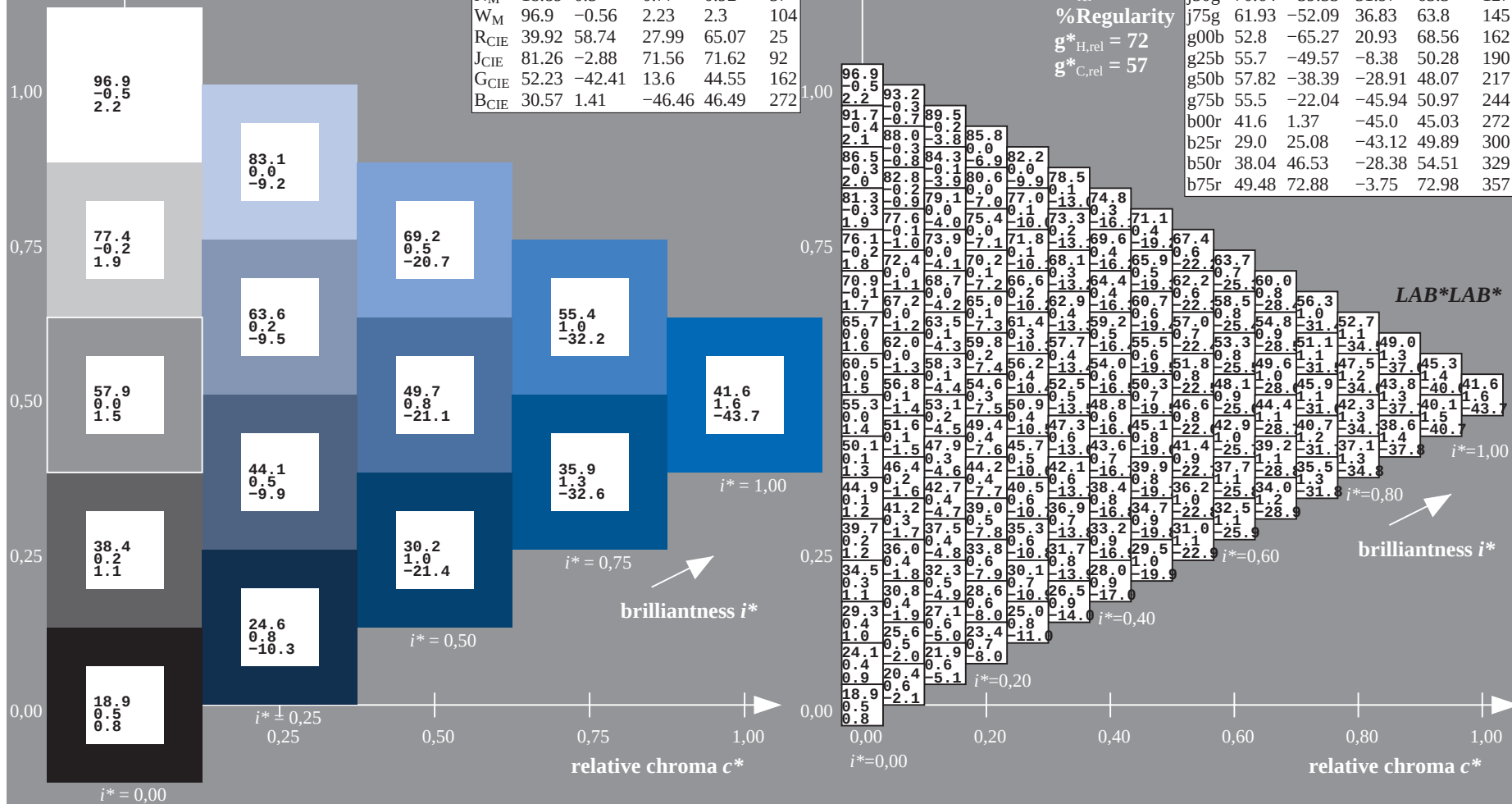
$u^*_{rel} = 89$

%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^*

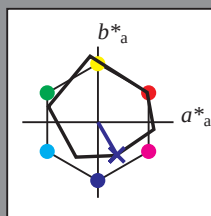
elementary hue text:

$u^* = b25r$

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

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

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

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^*

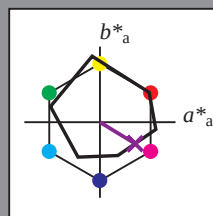
elementary hue text:

$u^* = b50r$

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

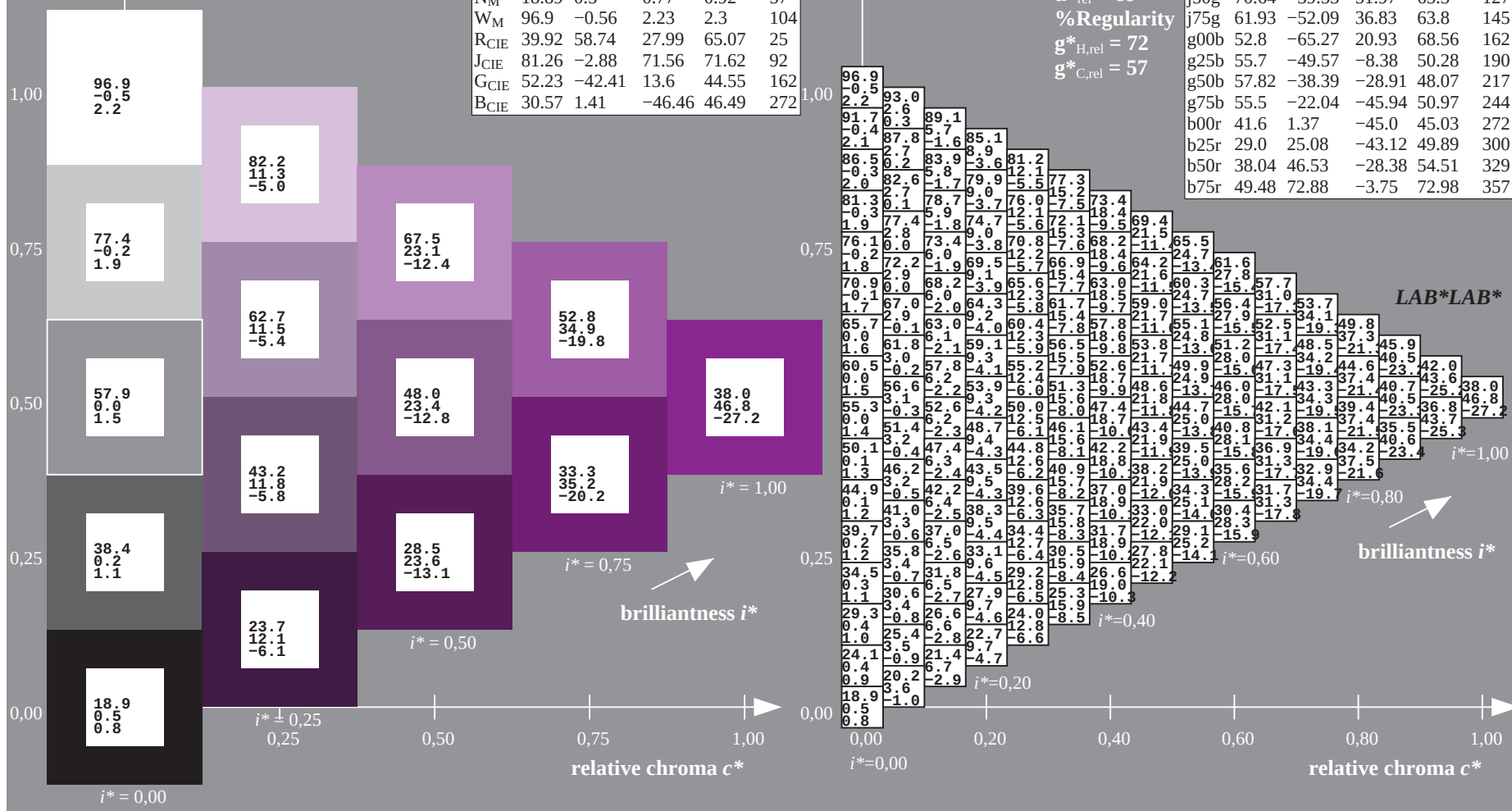
$g^*_{H,rel} = 72$

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

$u^* = b50r$

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

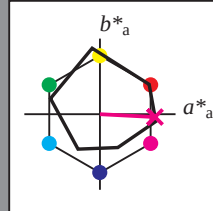


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \frac{lab^*h^*}{h_{ab}} = \frac{h_{ab}}{360} = 357/360 = 0.992$ data for any colour: Data for maximum colour (Ma):

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

$$u^* = b75r$$

contrast reduction factor:

 $c_R = 1.0$ triangle lightness t^* 

ORS19_96; CIE LAB 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	49.36	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	299
M _M	49.58	74.01	-8.21	74.47	35
N _M	18.89	0.5	0.77	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}: 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^*

3

%Gamut

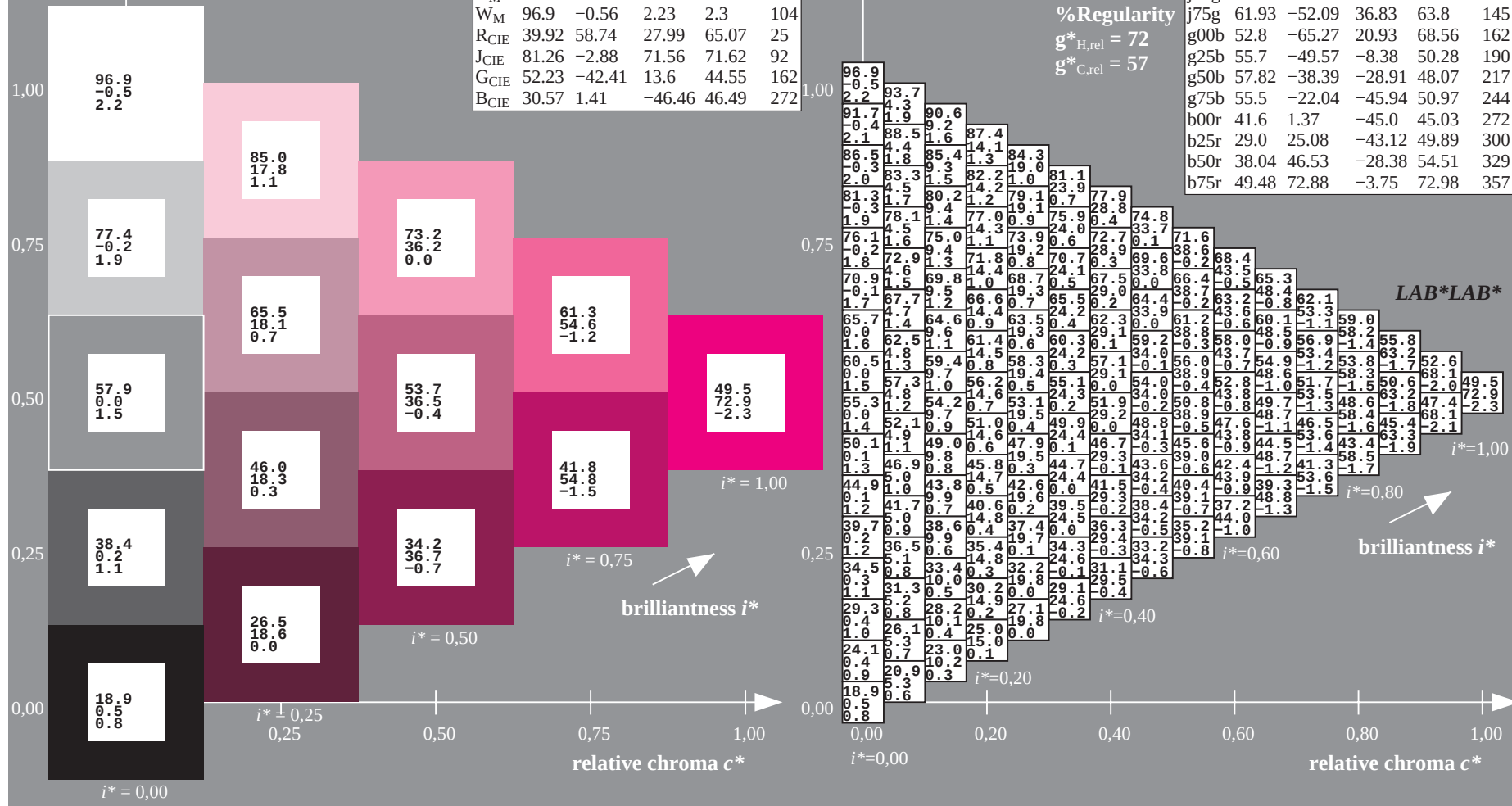
$$\mathbf{u}_{\text{rel}}^* = 89$$

%Regularity

$$g_{H,rel}^* = 72$$
$$g^*_{C,rel} = 57$$
$$u^* = b75r$$

LAB*LAB*

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 143/180
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/L98E00NA.PS/.TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

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

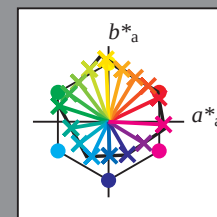
BAM registration: 20080701-De98/10L/L98E00NA.PS/.TXT BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*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	9.8	3.4	6.1	8.8	11.5	14.1	16.8	19.5	22.2	24.9	27.6	30.3	33.0	35.7	38.4	41.1	43.8	46.5	49.2	51.9	54.6	57.3	60.0	62.7	65.4	68.1	70.8	73.5	76.2	78.9	81.6	84.3	87.0	89.7	92.4	95.1	97.8	100.5	103.2	105.9	108.6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
03	20.1	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	4.4	-3.1	-11.3	-19.6	-27.8	-36.0	-44.3	-52.5	-60.7	-68.9	-77.1	-85.3	-93.5	-101.7	-109.9	-118.1	-126.3	-134.5	-142.7	-150.9	-159.1	-167.3	-175.5	-183.7	-191.9	-200.1	-208.3	-216.5	-224.7	-232.9	-241.1	-249.3	-257.5	-265.7	-273.9	-282.1	-290.3	-298.5	-306.7	-314.9	-323.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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	8.1	10.8	13.5	16.2	18.9	21.6	24.3	27.0	29.7	32.4	35.1	37.8	40.5	43.2	45.9	48.6	51.3	54.0	56.7	59.4	62.1	64.8	67.5	70.2	72.9	75.6	78.3	81.0	83.7	86.4	89.1	91.8	94.5	97.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
07	22.5	26.4	30.3	34.2	38.1	42.0	45.9	49.8	53.7	57.6	61.5	65.4	69.3	73.2	77.1	81.0	84.9	88.8	92.7	96.6	100.5	104.4	108.3	112.2	116.1	120.0	123.9	127.8	131.7	135.6	139.5	143.4	147.3	151.2	155.1	159.0	162.9	166.8	170.7	174.6	178.5	182.4	186.3	190.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
08	9.3	2.7	-3.8	-10.8	-18.7	-26.6	-34.5	-42.4	-50.3	-58.2	-66.1	-74.0	-81.9	-89.8	-97.7	-105.6	-113.5	-121.4	-129.3	-137.2	-145.1	-153.0	-160.9	-168.8	-176.7	-184.6	-192.5	-200.4	-208.3	-216.2	-224.1	-232.0	-239.9	-247.8	-255.7	-263.6	-271.5	-279.4	-287.3	-295.2	-303.1	-311.0	-318.9	-326.8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
09	-15.6	-15.8	-16.0	-16.2	-13.5	-10.8	-8.2	-5.5	-2.8	-0.1	2.6	5.2	7.8	10.4	13.0	15.6	18.2	20.8	23.4	26.0	28.6	31.2	33.8	36.4	39.0	41.6	44.2	46.8	49.4	52.0	54.6	57.2	59.8	62.4	65.0	67.6	70.2	72.8	75.4	78.0	80.6	83.2	85.8	88.4	91.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
10	23.1	21.3	21.6	21.7	21.9	19.2	16.5	13.8	11.2	8.5	5.8	3.2	0.5	-2.2	-4.9	-7.6	-10.3	-13.0	-15.7	-18.4	-21.1	-23.8	-26.5	-29.2	-31.9	-34.6	-37.3	-40.0	-42.7	-45.4	-48.1	-50.8	-53.5	-56.2	-58.9	-61.6	-64.3	-67.0	-69.7	-72.4	-75.1	-77.8	-80.5	-83.2	-85.9	-88.6	-91.3	-94.0	-96.7	-99.4	-102.1	-104.8	-107.5	-110.2	-112.9	-115.6	-118.3	-121.0	-123.7	-126.4	-129.1	-131.8	-134.5	-137.2	-139.9	-142.6	-145.3	-148.0	-150.7	-153.4	-156.1	-158.8	-161.5	-164.2	-166.9	-169.6	-172.3	-175.0	-177.7	-180.4	-183.1	-185.8	-188.5	-191.2	-193.9	-196.6	-199.3	-202.0	-204.7	-207.4	-210.1	-212.8	-215.5	-218.2	-220.9	-223.6	-226.3	-229.0	-231.7	-234.4	-237.1	-239.8	-242.5	-245.2	-247.9	-250.6	-253.3	-256.0	-258.7	-261.4	-264.1	-266.8	-269.5	-272.2	-274.9	-277.6	-280.3	-283.0	-285.7	-288.4	-291.1	-293.8	-296.5	-299.2	-301.9	-304.6	-307.3	-310.0	-312.7	-315.4	-318.1	-320.8	-323.5	-326.2	-328.9	-331.6	-334.3	-337.0	-339.7	-342.4	-345.1	-347.8	-350.5	-353.2	-355.9	-358.6	-361.3	-364.0	-366.7	-369.4	-372.1	-374.8	-377.5	-380.2	-382.9	-385.6	-388.3	-391.0	-393.7	-396.4	-399.1	-401.8	-404.5	-407.2	-409.9	-412.6	-415.3	-418.0	-420.7	-423.4	-426.1	-428.8	-431.5	-434.2	-436.9	-439.6	-442.3	-445.0	-447.7	-450.4	-453.1	-455.8	-458.5	-461.2	-463.9	-466.6	-469.3	-472.0	-474.7	-477.4	-480.1	-482.8	-485.5	-488.2	-490.9	-493.6	-496.3	-499.0	-501.7	-504.4	-507.1	-509.8	-512.5	-515.2	-517.9	-520.6	-523.3	-526.0	-528.7	-531.4	-534.1	-536.8	-539.5	-542.2	-544.9	-547.6	-550.3	-553.0	-555.7	-558.4	-561.1	-563.8	-566.5	-569.2	-571.9	-574.6	-577.3	-580.0	-582.7	-585.4	-588.1	-590.8	-593.5	-596.2	-598.9	-601.6	-604.3	-607.0	-609.7	-612.4	-615.1	-617.8	-620.5	-623.2	-625.9	-628.6	-631.3	-634.0	-636.7	-639.4	-642.1	-644.8	-647.5	-650.2	-652.9	-655.6	-658.3	-661.0	-663.7	-666.4	-669.1	-671.8	-674.5	-677.2	-679.9	-682.6	-685.3	-688.0	-690.7	-693.4	-696.1	-698.8	-701.5	-704.2	-706.9	-709.6	-712.3	-715.0	-717.7	-720.4	-723.1	-725.8	-728.5	-731.2	-733.9	-736.6	-739.3	-742.0	-744.7	-747.4	-750.1	-752.8	-755.5	-758.2	-760.9	-763.6	-766.3	-769.0	-771.7	-774.4	-777.1	-779.8	-782.5	-785.2	-787.9	-790.6	-793.3	-796.0	-798.7	-801.4	-804.1	-806.8	-809.5	-812.2	-814.9	-817.6	-820.3	-823.0	-825.7	-828.4	-831.1	-833.8	-836.5	-839.2	-841.9	-844.6	-847.3	-850.0	-852.7	-855.4	-858.1	-860.8	-863.5	-866.2	-868.9	-871.6	-874.3	-877.0	-879.7	-882.4	-885.1	-887.8	-890.5	-893.2	-895.9	-898.6	-901.3	-904.0	-906.7	-909.4	-912.1	-914.8	-917.5	-920.2	-922.9	-925.6	-928.3	-931.0	-933.7	-936.4	-939.1	-941.8	-944.5	-947.2	-949.9	-952.6	-955.3	-958.0	-960.7	-963.4	-966.1	-968.8	-971.5	-974.2	-976.9	-979.6	-982.3	-985.0	-987.7	-990.4	-993.1	-995.8	-998.5	-1001.2	-1003.9	-1006.6	-1009.3	-1012.0	-1014.7	-1017.4	-1020.1	-1022.8	-1025.5	-1028.2	-1030.9	-1033.6	-1036.3	-1039.0	-1041.7	-1044.4	-1047.1	-1049.8	-1052.5	-1055.2	-1057.9	-1060.6	-1063.3	-1066.0	-1068.7	-1071.4	-1074.1	-1076.8	-1079.5	-1082.2	-1084.9	-1087.6	-1090.3	-1093.0	-1095.7	-1098.4	-1101.1	-1103.8	-1106.5	-1109.2	-1111.9	-1114.6	-1117.3	-1120.0	-1122.7	-1125.4	-1128.1	-1130.8	-1133.5	-1136.2	-1138.9	-1141.6	-1144.3	-1147.0	-1149.7	-1152.4	-1155.1	-1157.8	-1160.5	-1163.2	-1165.9	-1168.6	-1171.3	-1174.0	-1176.7	-1179.4	-1182.1	-1184.8	-1187.5	-1190.2	-1192.9	-1195.6	-1198.3	-1201.0	-1203.7	-1206.4	-1209.1	-1211.8	-1214.5	-1217.2	-1219.9	-1222.6	-1225.3	-1228.0	-1230.7	-1233.4	-1236.1	-1238.8	-1241.5	-1244.2	-1246.9	-1249.6	-1252.3	-1255.0	-1257.7	-1260.4	-1263.1	-1265.8	-1268.5	-1271.2	-1273.9	-1276.6	-1279.3	-1282.0	-1284.7	-1287.4	-1290.1	-1292.8	-1295.5	-1298.2	-1300.9	-1303.6	-1306.3	-1309.0	-1311.7	-1314.4	-1317.1	-1319.8	-1322.5	-1325.2	-1327.9	-1330.6	-1333.3	-1336.0	-1338.7	-1341.4	-1344.1	-1346.8	-1349.5	-1352.2	-1354.9	-1357.6	-1360.3	-1363.0	-1365.7	-1368.4	-1371.1	-1373.8	-1376.5	-1379.2	-1381.9	-1384.6	-1387.3	-1390.0	-1392.7	-1395.4	-1398.1	-1400.8	-1403.5	-1406.2	-1408.9	-1411.6	-1414.3	-1417.0	-1419.7	-1422.4	-1425.1	-1427.8	-1430.5	-1433.2	-1435.9	-1438.6	-1441.3	-1444.0	-1446.7	-1449.4	-1452.1	-1454.8	-1457.5	-1460.2	-1462.9	-1465.6	-1468.3	-1471.0	-1473.7	-1476.4	-1479.1	-1481.8	-1484.5	-1487.2	-1489.9	-1492.6	-1495.3	-1498.0	-1500.7	-1503.4	-1506.1	-1508.8	-1511.5	-1514.2	-1516.9	-1519.6	-1522.3	-1525.0	-1527.7	-1530.4	-1533.1	-1535.8	-1538.5	-1541.2	-1543.9	-1546.6	-1549.3	-1552.0	-1554.7	-1557.4	-1560.1	-1562.8	-1565.5	-1568.2	-1570.9	-1573.6	-1576.3	-1579.0	-1581.7	-1584.4	-1587.1	-1589.8	-1592.5	-1595.2	-1597.9	-1600.6	-1603.3	-1606.0	-1608.7	-1611.4	-1614.1	-1616.8	-1619.5	-162

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

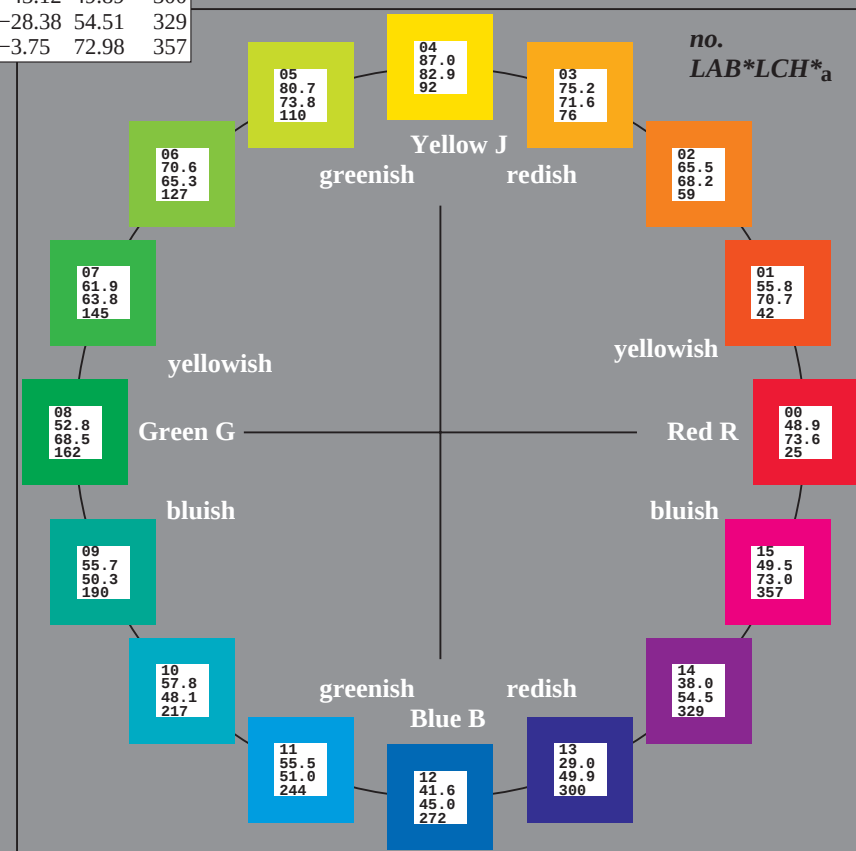
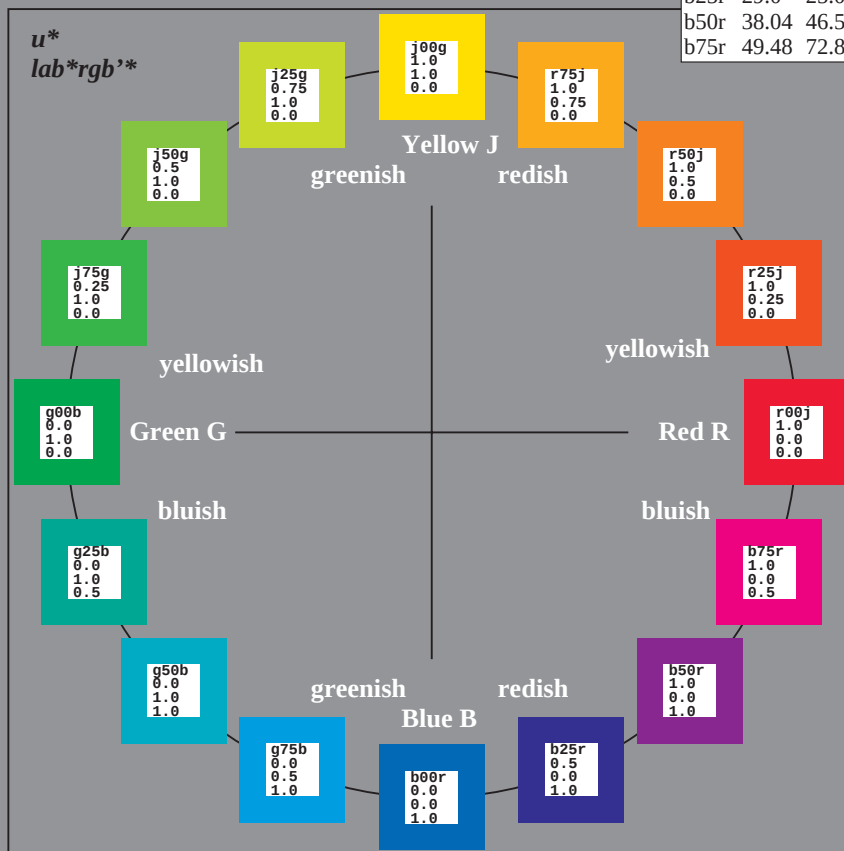
lab^*tch^* and lab^*icu^*
elementary hue text:
 $u^* = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

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^*	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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

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

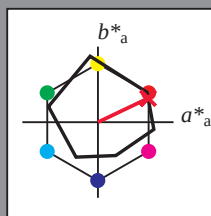
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; 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):

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

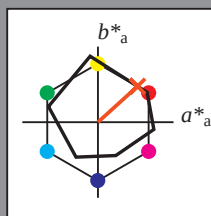
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; 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^*

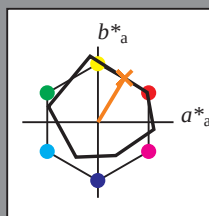
elementary hue text:

$u^* = r50j$

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^*

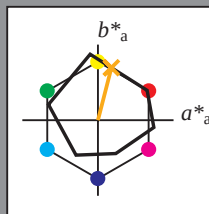
elementary hue text:

$u^* = r75j$

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

$u^*_{rel} = 89$

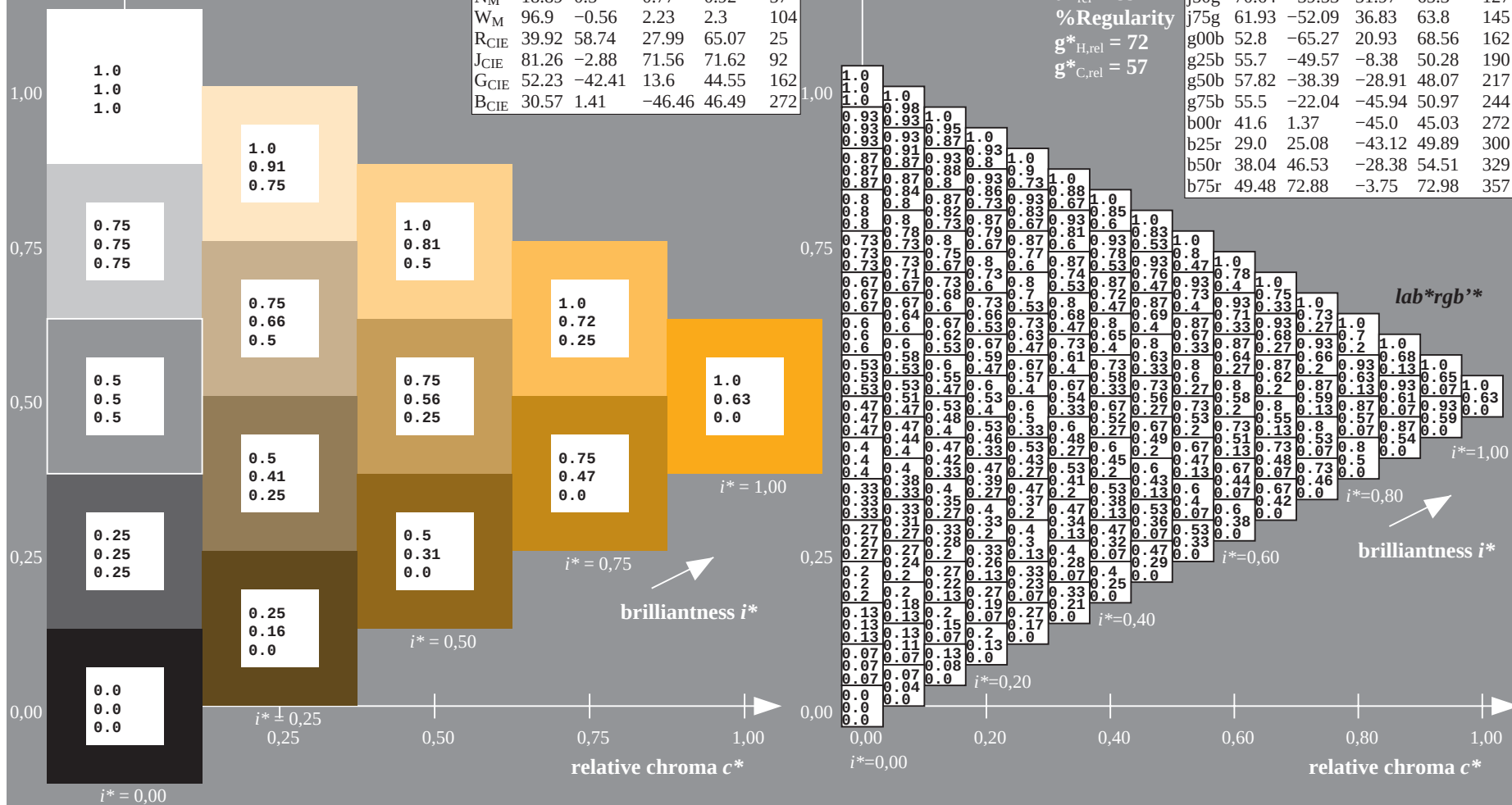
%Regularity

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

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

$u^* = r75j$
 lab^*rgb^*

	$L^*=L^*_a$	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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

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

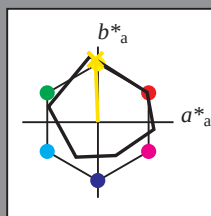
elementary hue text:

$u^* = j00g$

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):

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

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

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

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

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

data for any colour:

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

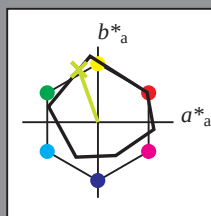
elementary hue text:

$u^* = j25g$

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^*

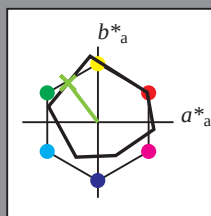
elementary hue text:

$u^* = j50g$

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^*

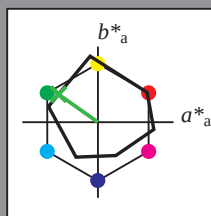
elementary hue text:

$u^* = j75g$

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^*

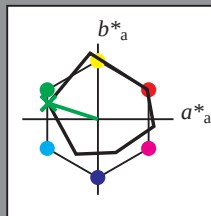
elementary hue text:

$u^* = g00b$

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^*

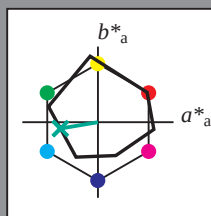
elementary hue text:

$u^* = g25b$

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^*

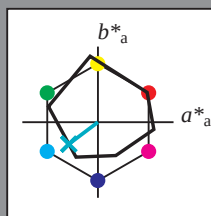
elementary hue text:

$u^* = g50b$

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^*

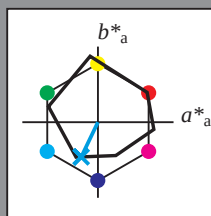
elementary hue text:

$u^* = g75b$

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^*

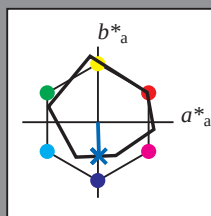
elementary hue text:

$u^* = b00r$

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^*

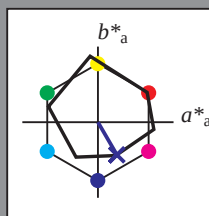
elementary hue text:

$u^* = b25r$

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^*

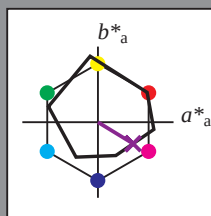
elementary hue text:

$u^* = b50r$

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

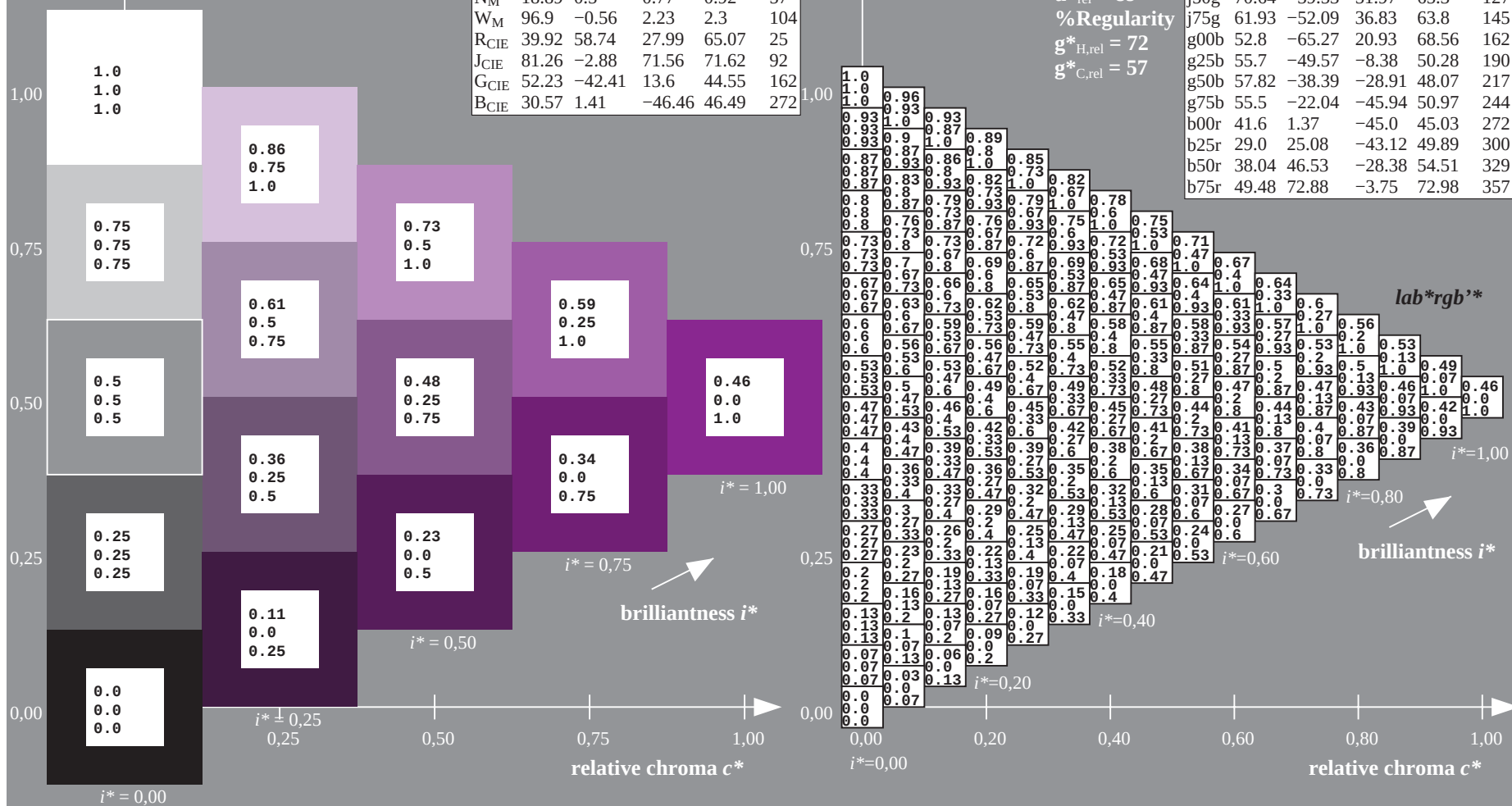
$u^*_{rel} = 89$

%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^*

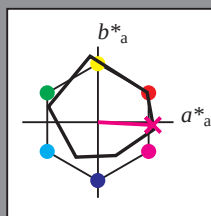
elementary hue text:

$u^* = b75r$

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

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

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

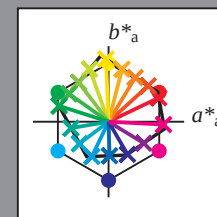
ORS19_96a; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.34	82.83	82.9	92
j25g	80.72	-25.0	69.5	73.86	110
j50g	70.64	-39.53	51.97	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

See for similar files: <http://www.ps.bam.de/De98/>; www.ps.bam.de/De98/10L/L98E00NA.PS/.TXT
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=1

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*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	0.25	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	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	0.0	0.0	0.0	
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	0.13	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	0.25	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	0.25	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	0.25	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	0.38	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	0.25	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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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	0.25	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	0.63	0.63	0.63	0.63	0.63	0.63	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	0.25	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	0.75	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	0.75	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	0.25	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	0.13	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	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	0.25	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	0.13	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	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	0.63	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	0.0	
	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	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0		
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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.07	0.07	0.07	0.07	
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	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	0.89	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	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	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																	

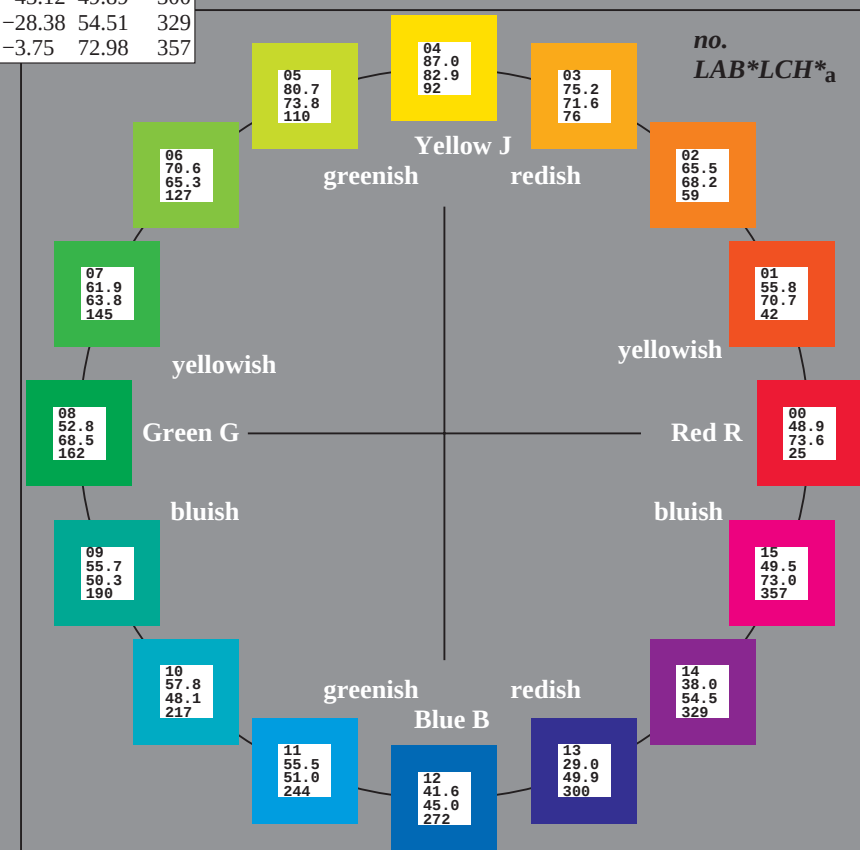
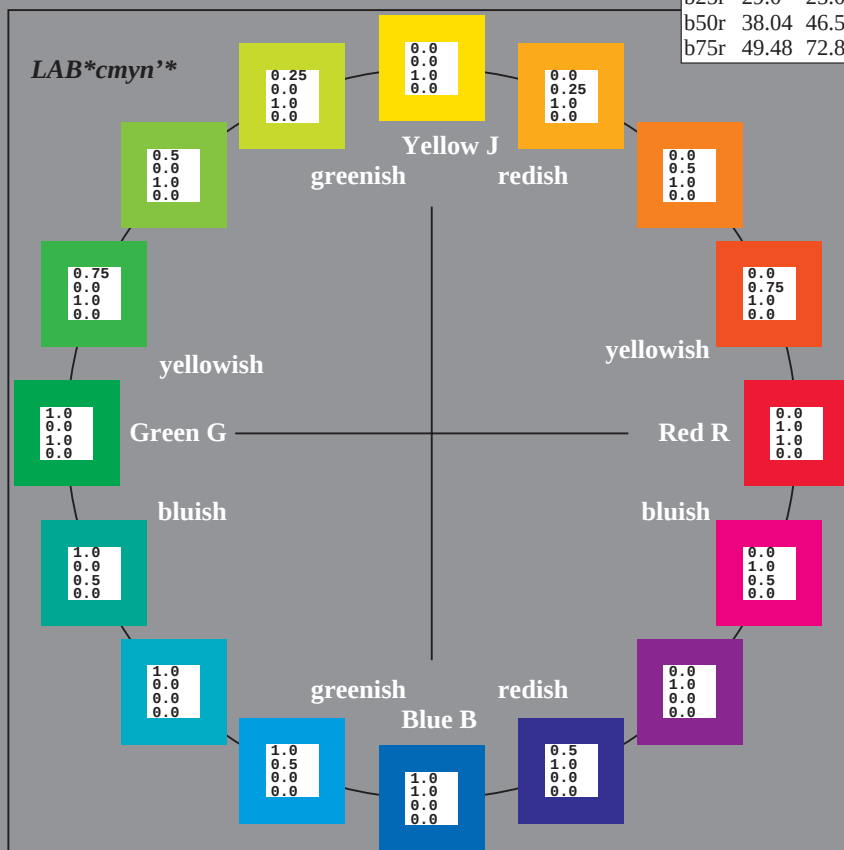
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
*lab*tch* and lab*icu**
elementary hue text:
u = 16 hues r00j, r25j, ..., b75r*
contrast reduction factor:
 $c_R = 1.0$

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^*

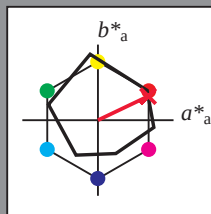
elementary hue text:

$u^* = r00j$

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

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

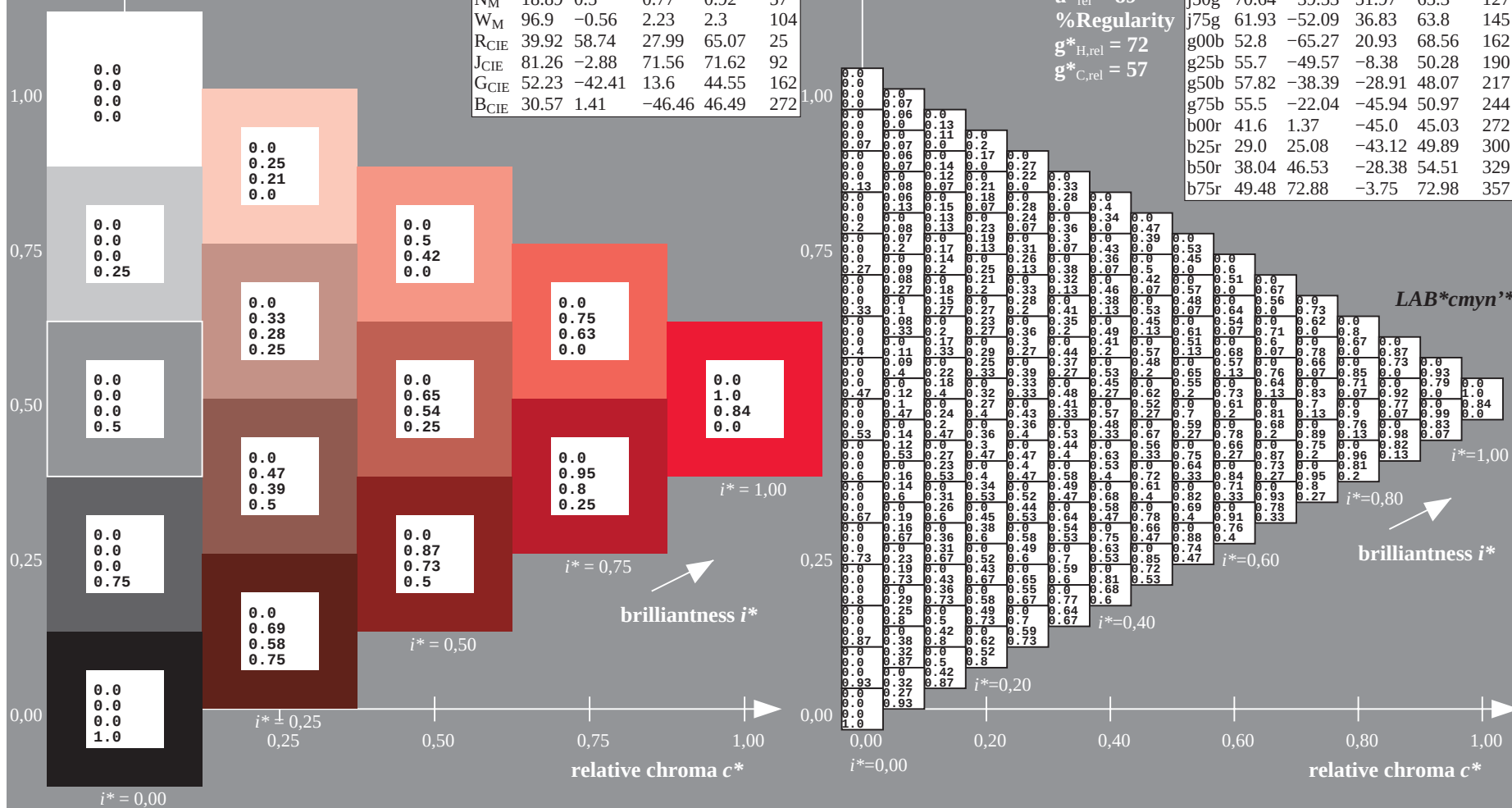
$g^*_{C,rel} = 57$

$u^* = r00j$

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 $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

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

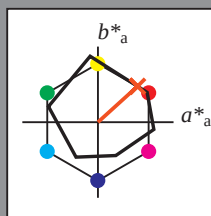
elementary hue text:

$u^* = r25j$

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^*cmyn^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

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

data for any colour:

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

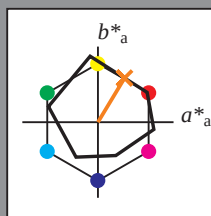
elementary hue text:

$u^* = r50j$

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

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^*

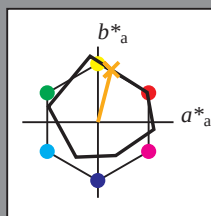
elementary hue text:

$u^* = r75j$

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^*cmyn^*

brilliantness i^*

$i^* = 1.00$

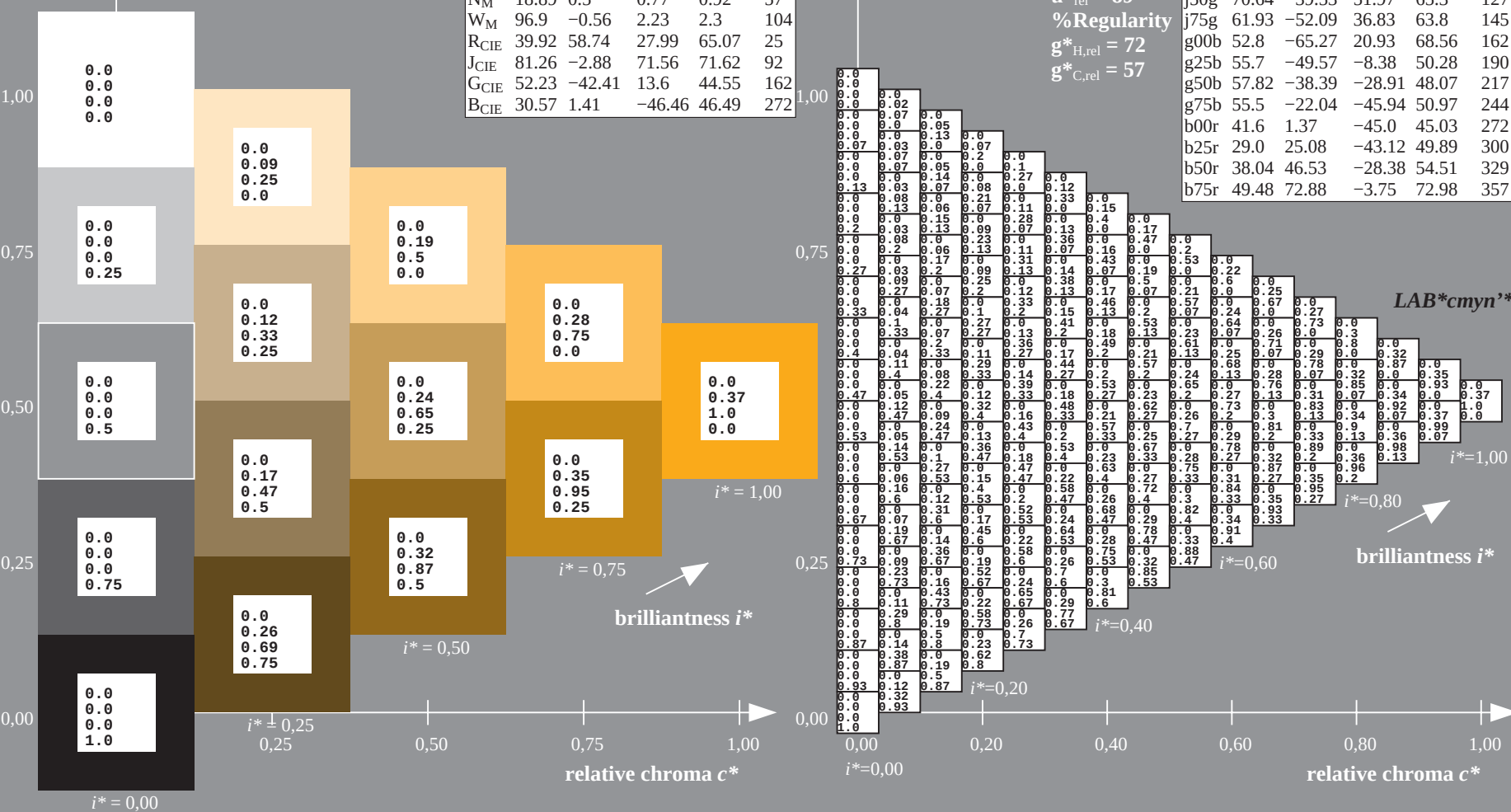
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

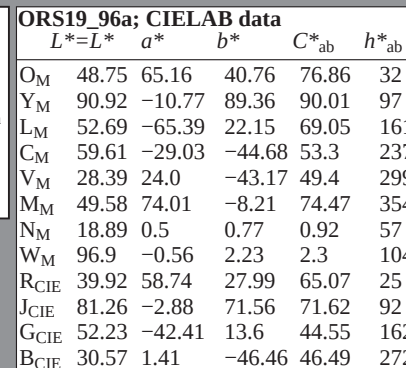


data for any colour:

elementary hue text:

contrast reduction factor:

K triangle



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	-8.21	74.47	35
N _M	18.89	0.5	0.77	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

LAB*LAB* M_2 : 87 -2 83

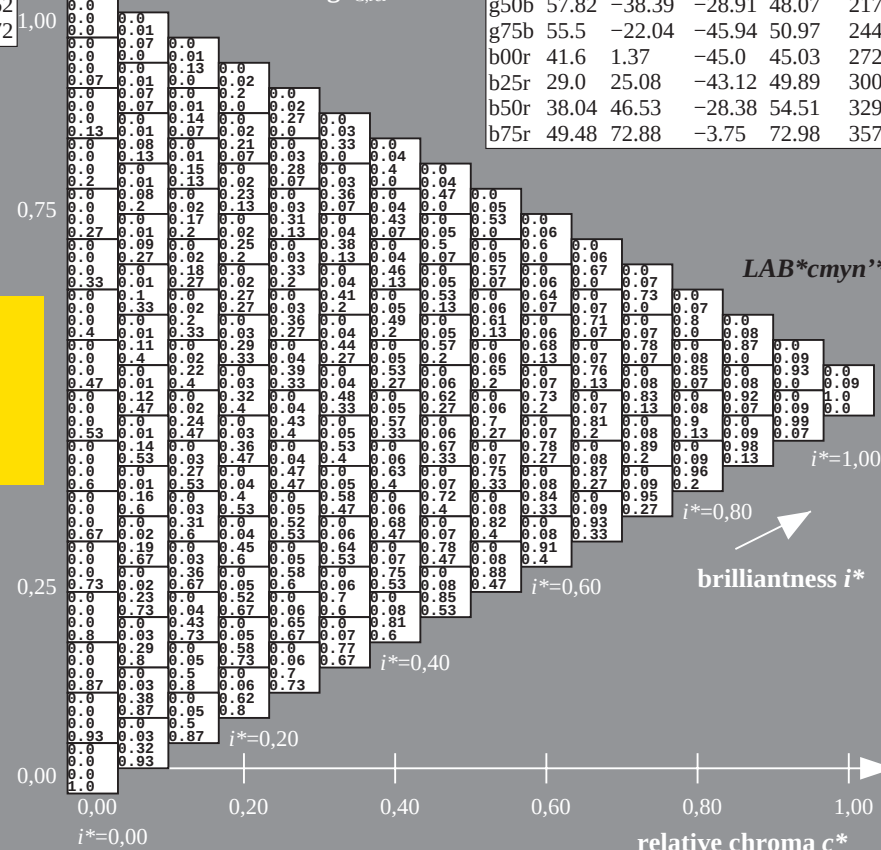
LAB*LCH*Ma: 87 83 9

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

triangle height t

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

%Regularity

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

$$i^*=1,00$$
 $i^* = 0,80$

St. Michael's

relative chrom

— 100 —

BAM-test chart De98; Colorimetric systems, Page 168/180
colour scales and 8 data tables for 16 hues $r00j$ to $b75r$

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

BAM registration: 20080701-De9810L/L98E00NA.PS/.TXT BAM material: code=rha4ta
 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, ColSp=1

Version 2.1, io=1, ColSpx=1

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^*

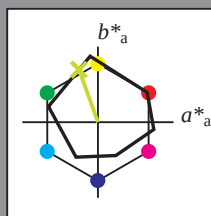
elementary hue text:

$u^* = j25g$

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

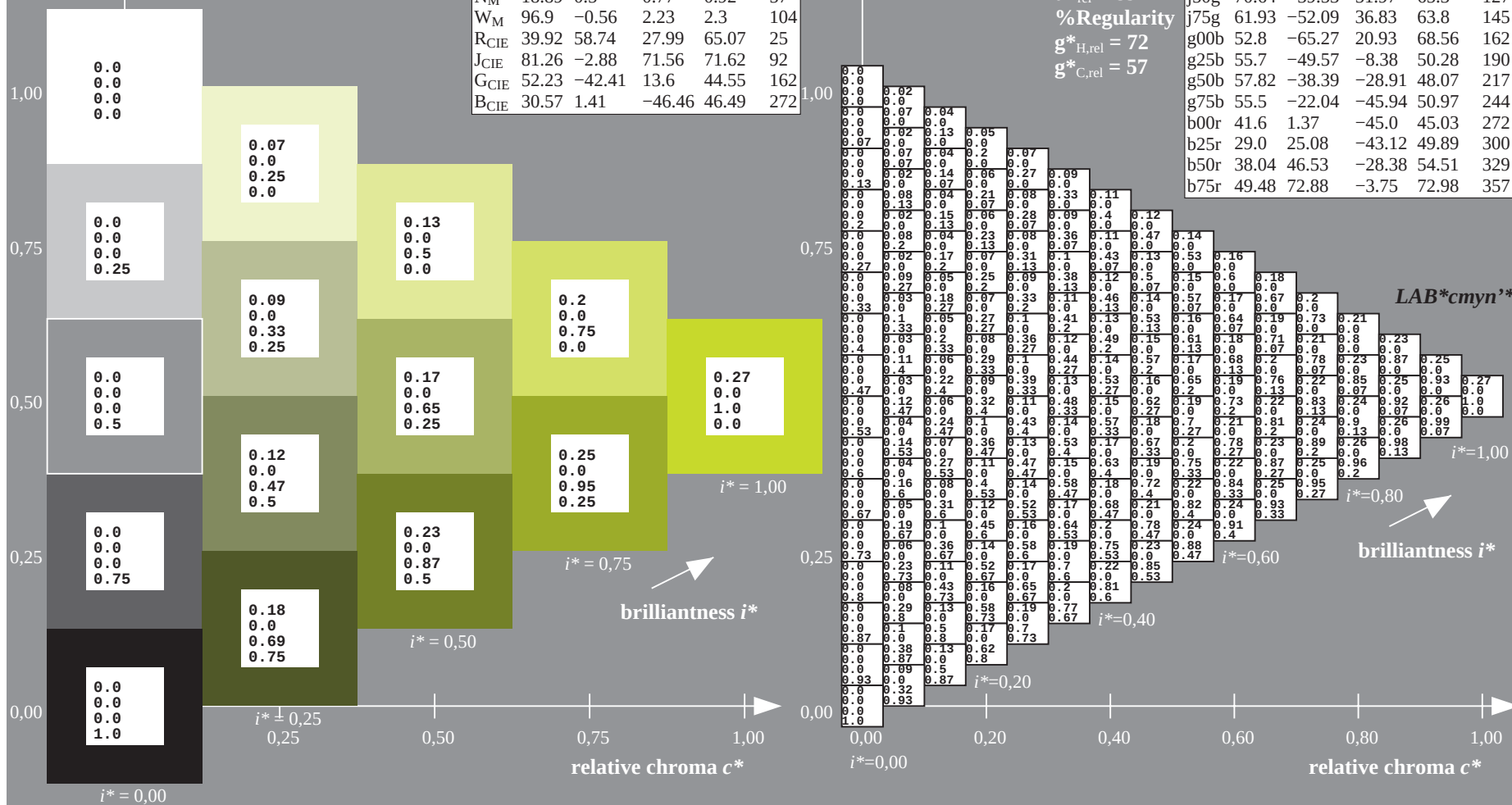
$u^*_{rel} = 89$

%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^*

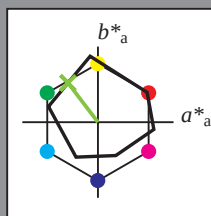
elementary hue text:

$u^* = j50g$

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

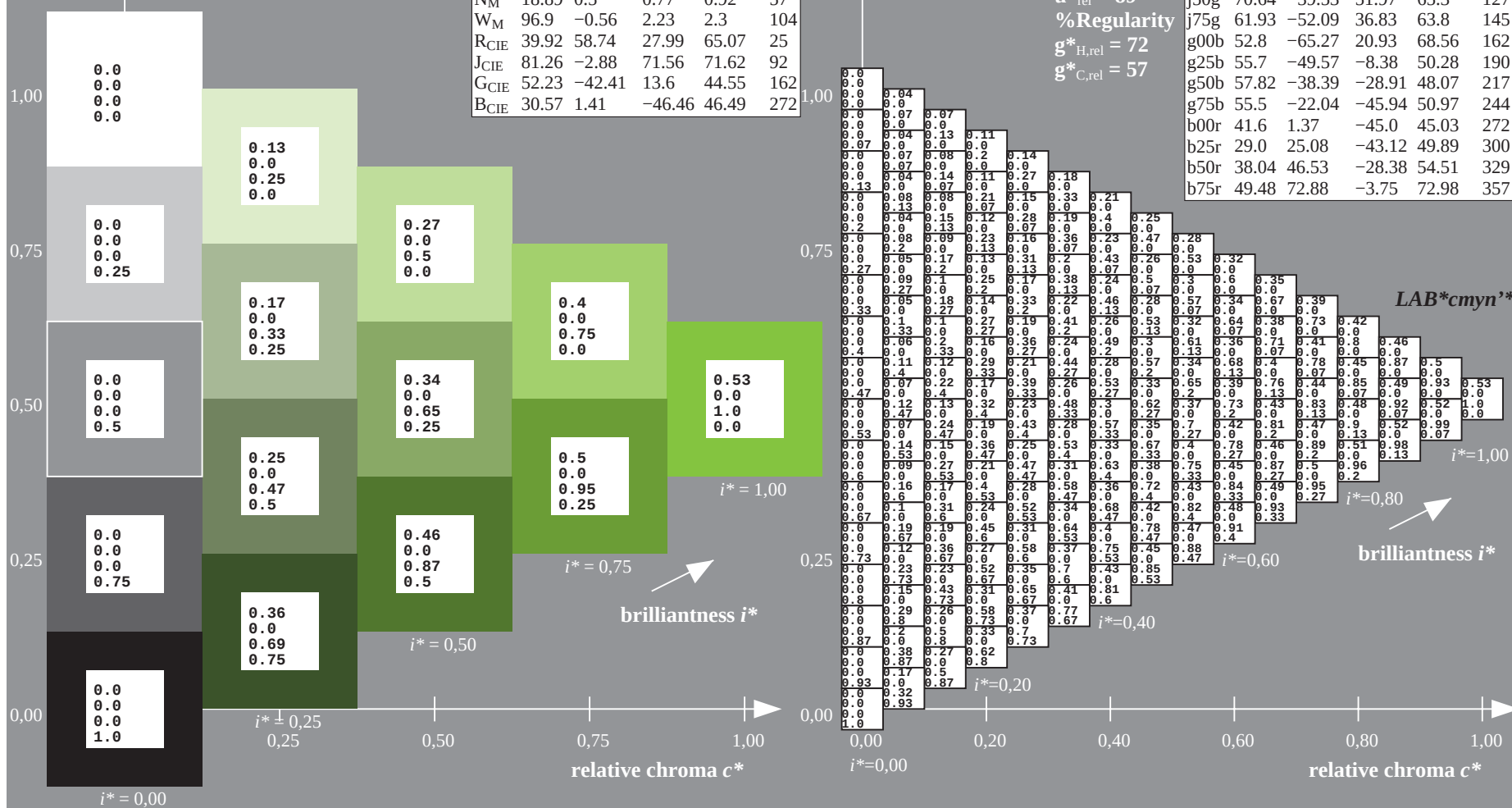
$u^*_{rel} = 89$

%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^*

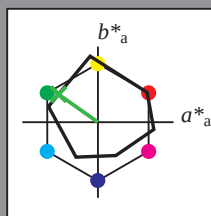
elementary hue text:

$u^* = j75g$

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

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

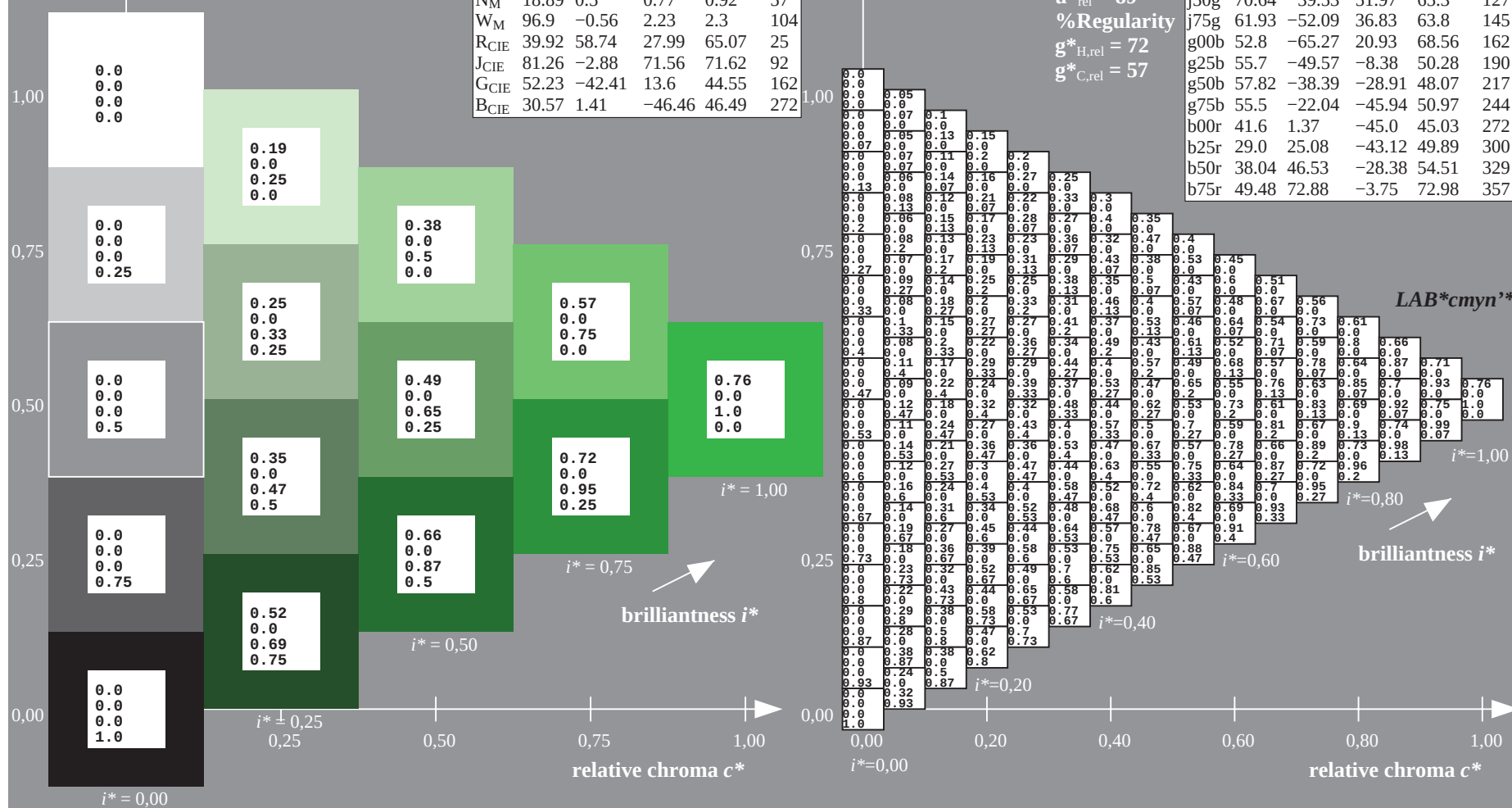
$g^*_{C,rel} = 57$

$u^* = j75g$

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^*

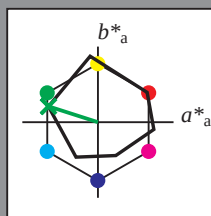
elementary hue text:

$u^* = g00b$

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

LAB^*cmyn^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

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

data for any colour:

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

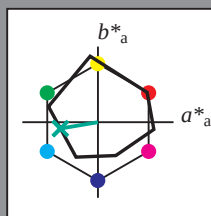
elementary hue text:

$u^* = g25b$

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

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

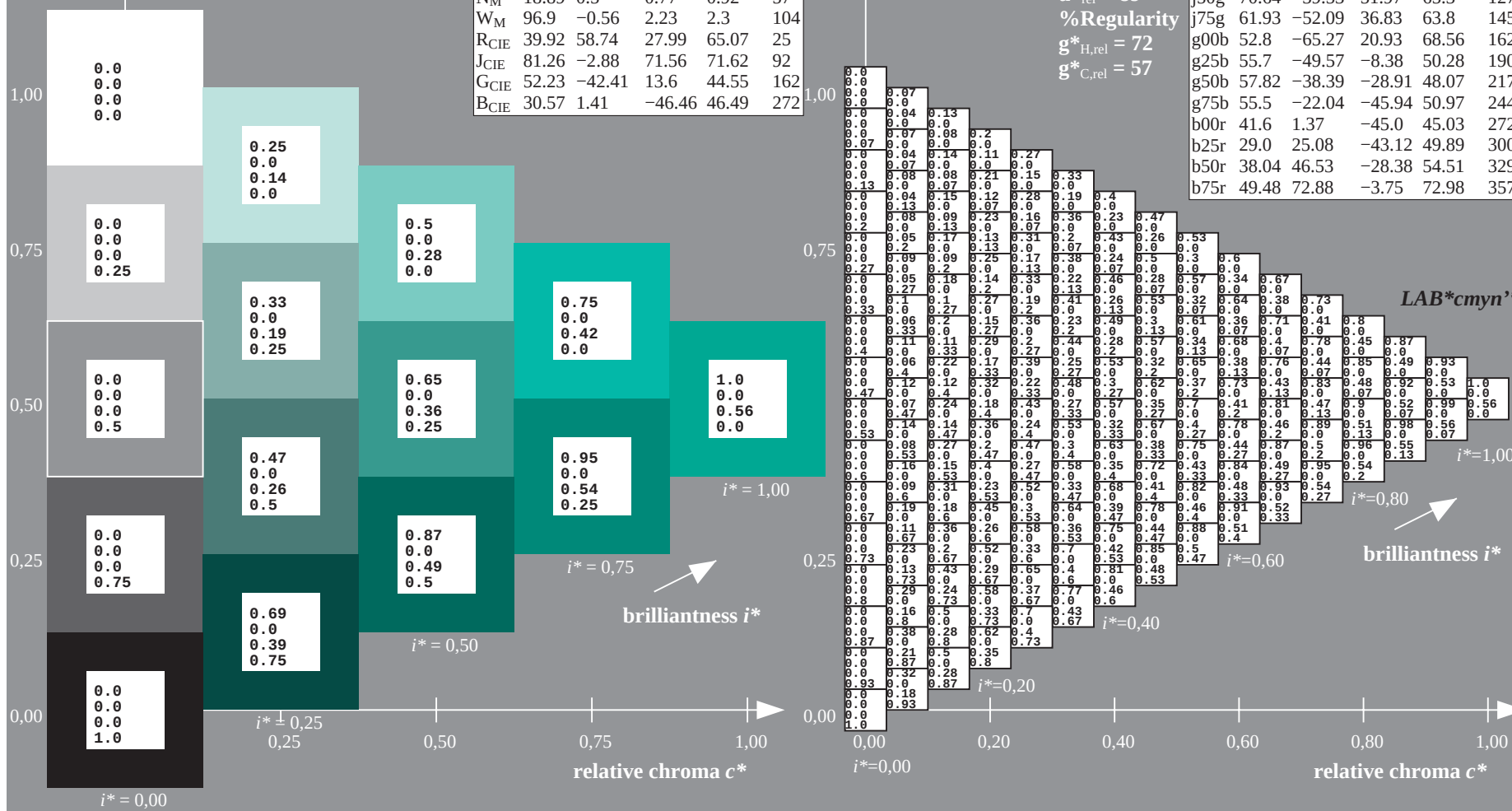
$g^*_{C,rel} = 57$

$u^* = g25b$

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^*

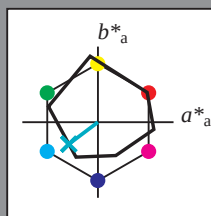
elementary hue text:

$u^* = g50b$

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

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

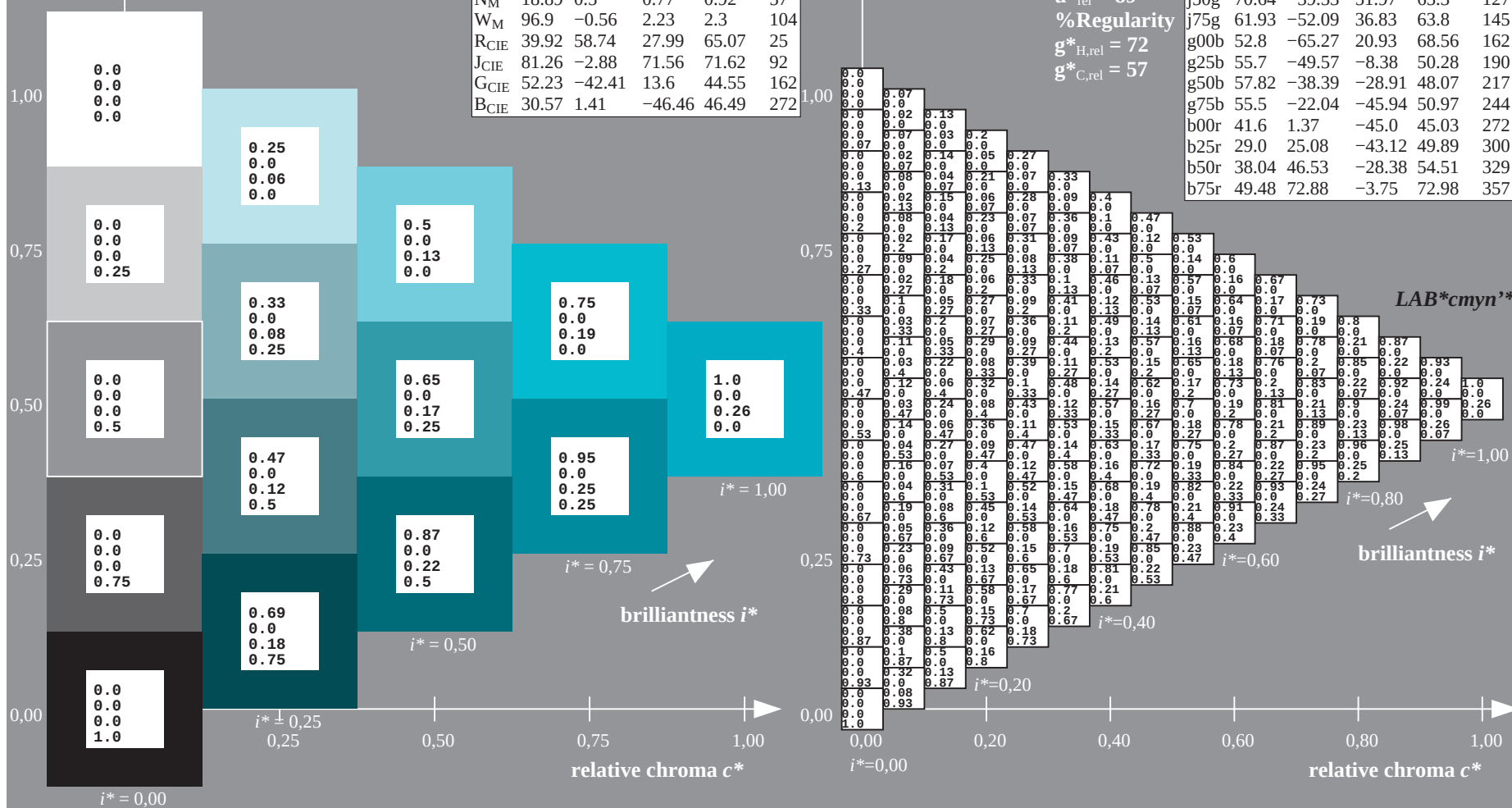
$g^*_{C,rel} = 57$

$u^* = g50b$

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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

lab^*ch^* and lab^*icu^*

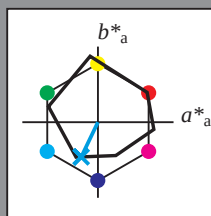
elementary hue text:

$u^* = g75b$

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^*cmyn^*

brilliantness i^*

$i^*=1.00$

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

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

data for any colour:

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

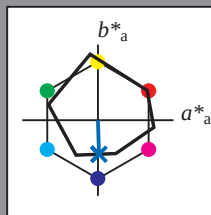
elementary hue text:

$u^* = b00r$

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

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

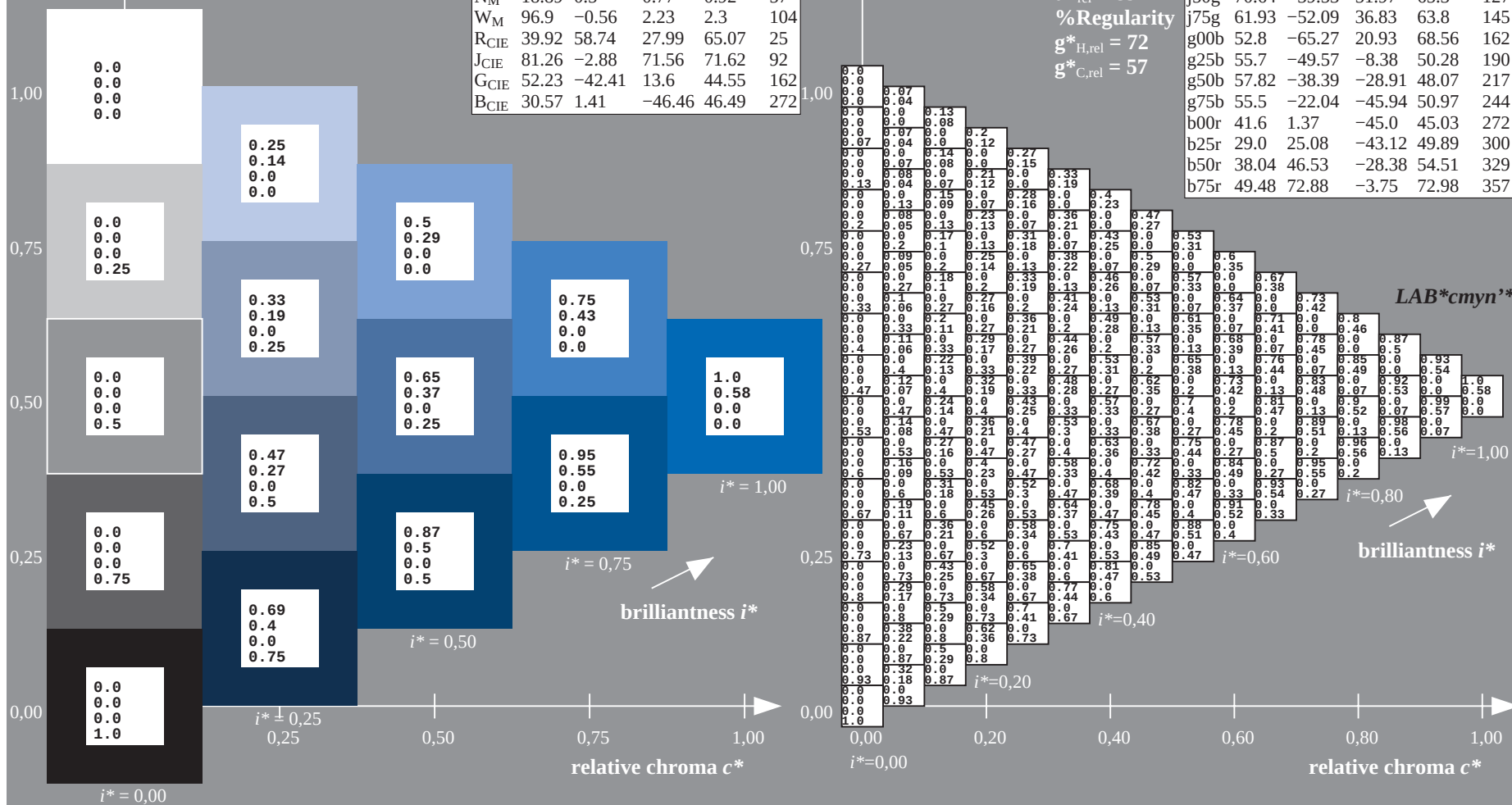
$g^*_{C,rel} = 57$

$u^* = b00r$

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 $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

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

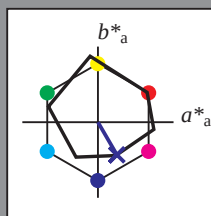
elementary hue text:

$u^* = b25r$

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

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

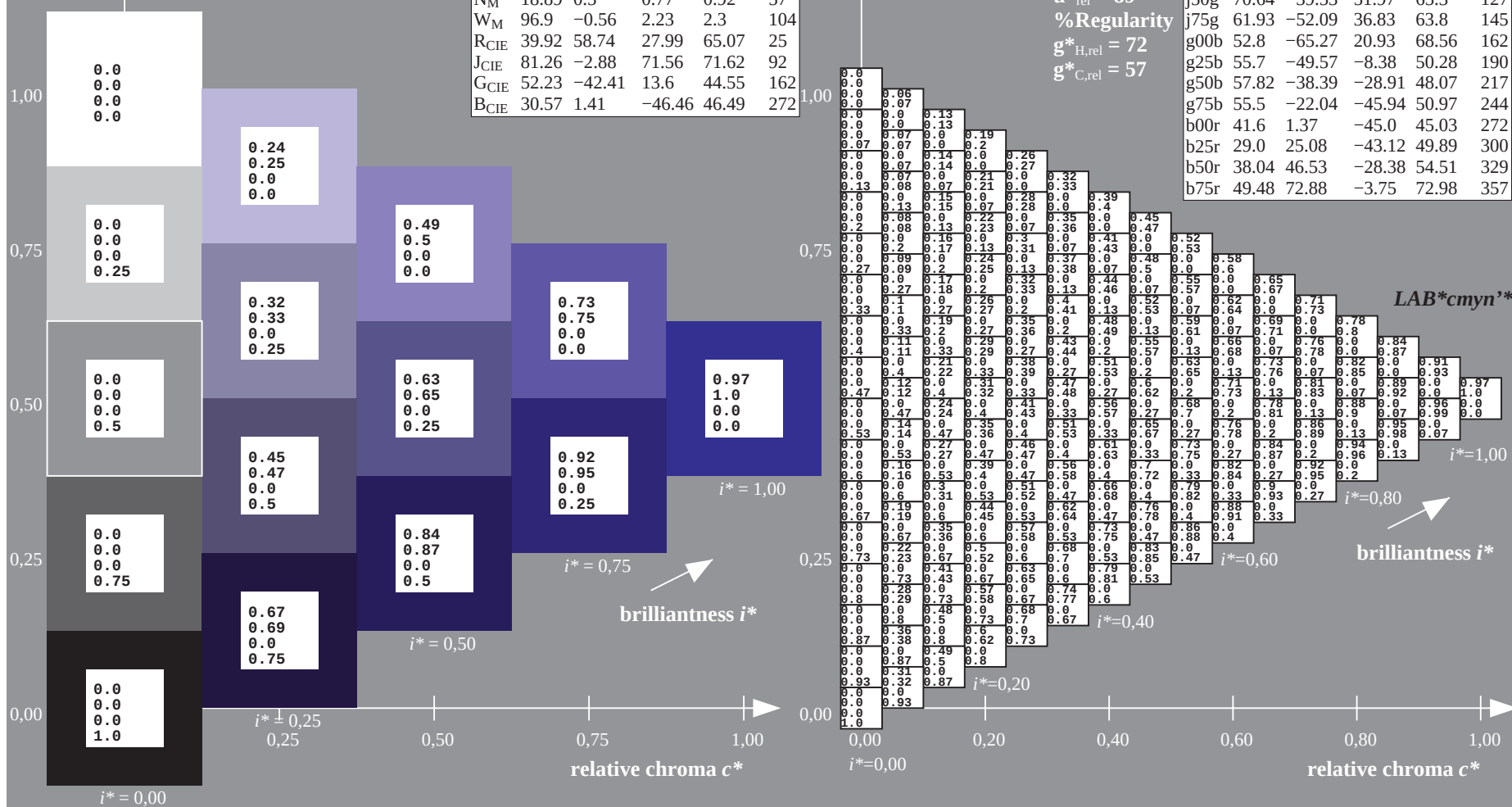
$g^*_{C,rel} = 57$

$u^* = b25r$

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^*

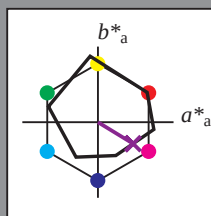
elementary hue text:

$u^* = b50r$

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^*

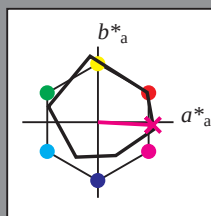
elementary hue text:

$u^* = b75r$

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

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

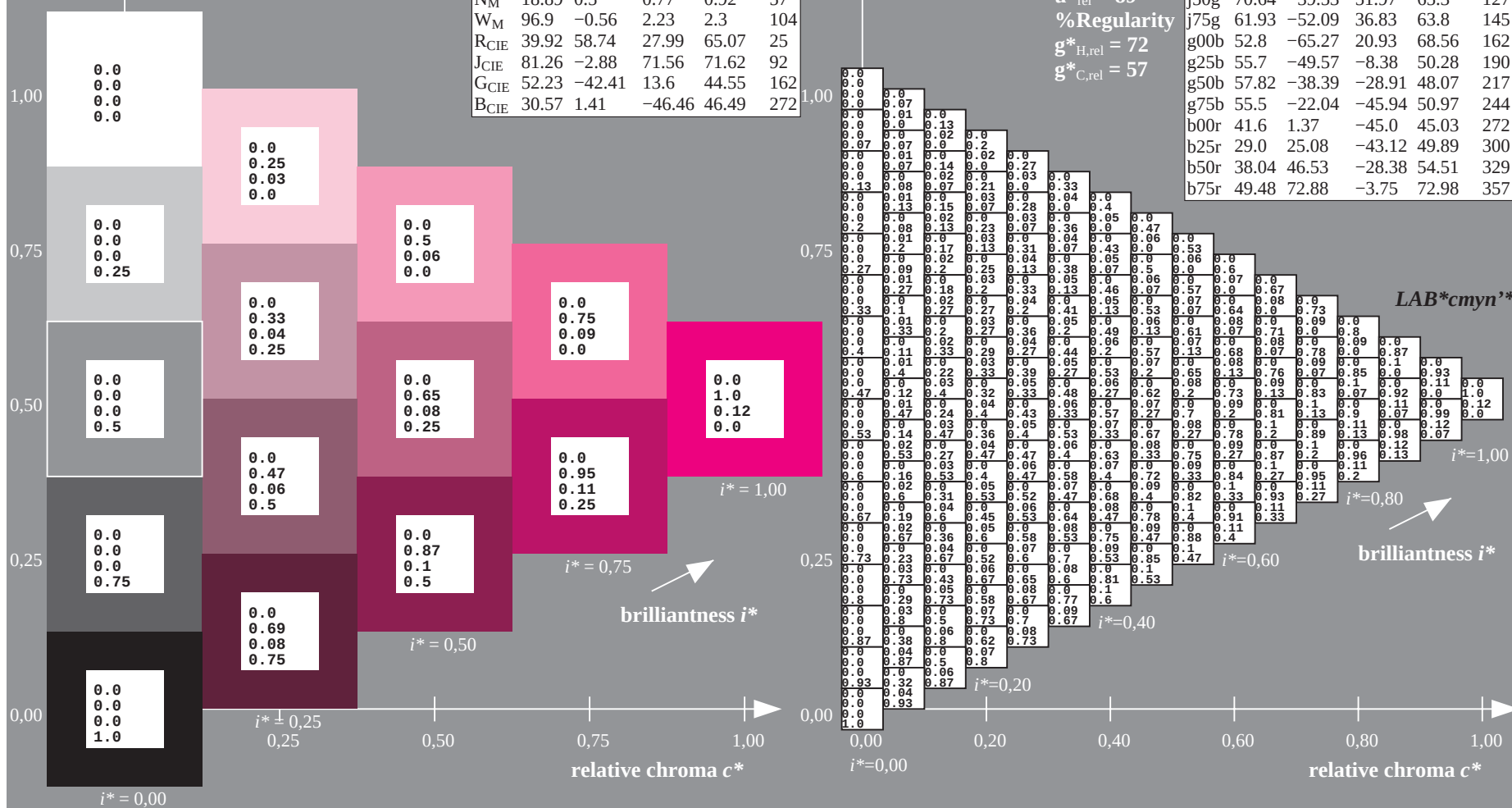
$g^*_{C,rel} = 57$

$u^* = b75r$

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



[illegible]