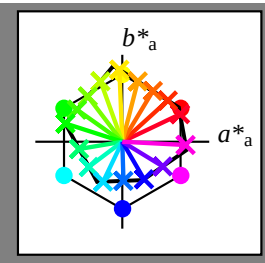
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
lab*tch* **and** ***lab*icu****
elementary hue text:
u* **= 16 hues** ***r00j, r25j, ..., b75r***
contrast reduction factor:
c_R **= 1.0**

ORS19_96a; adapted (a) CIELAB data

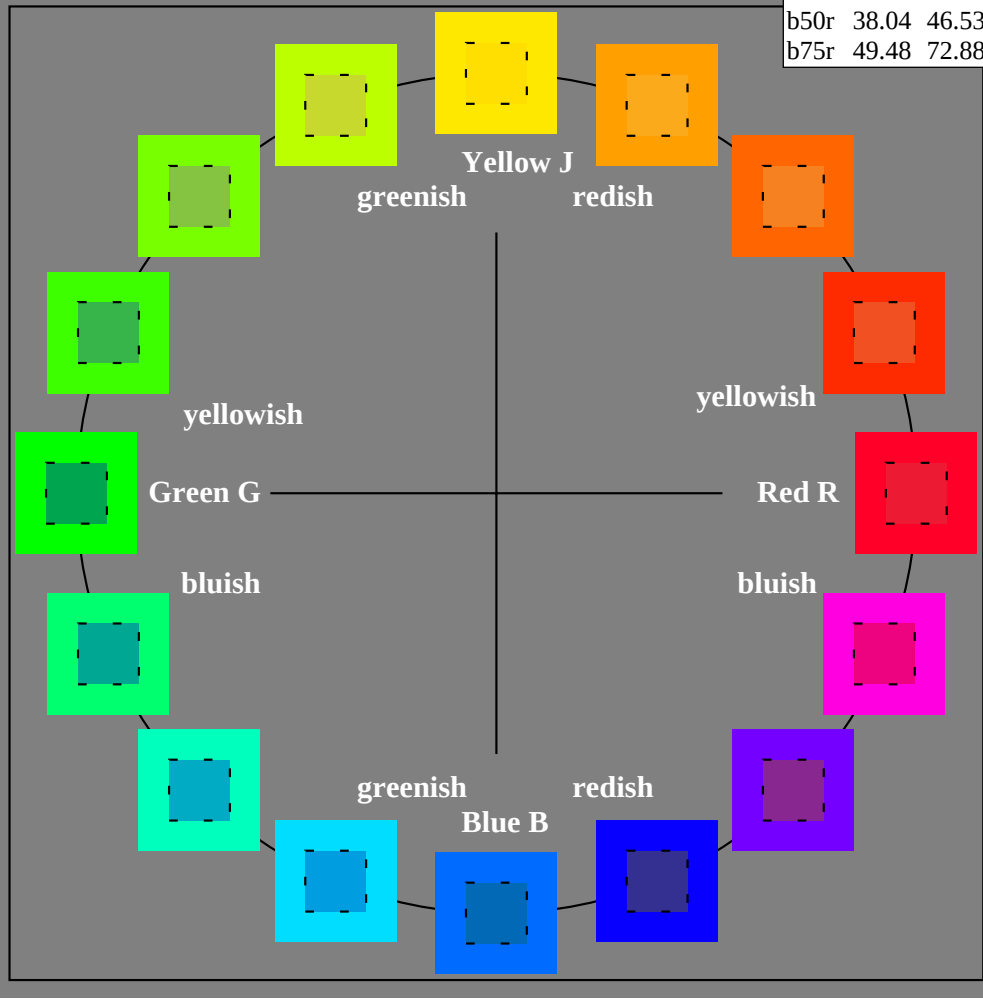
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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

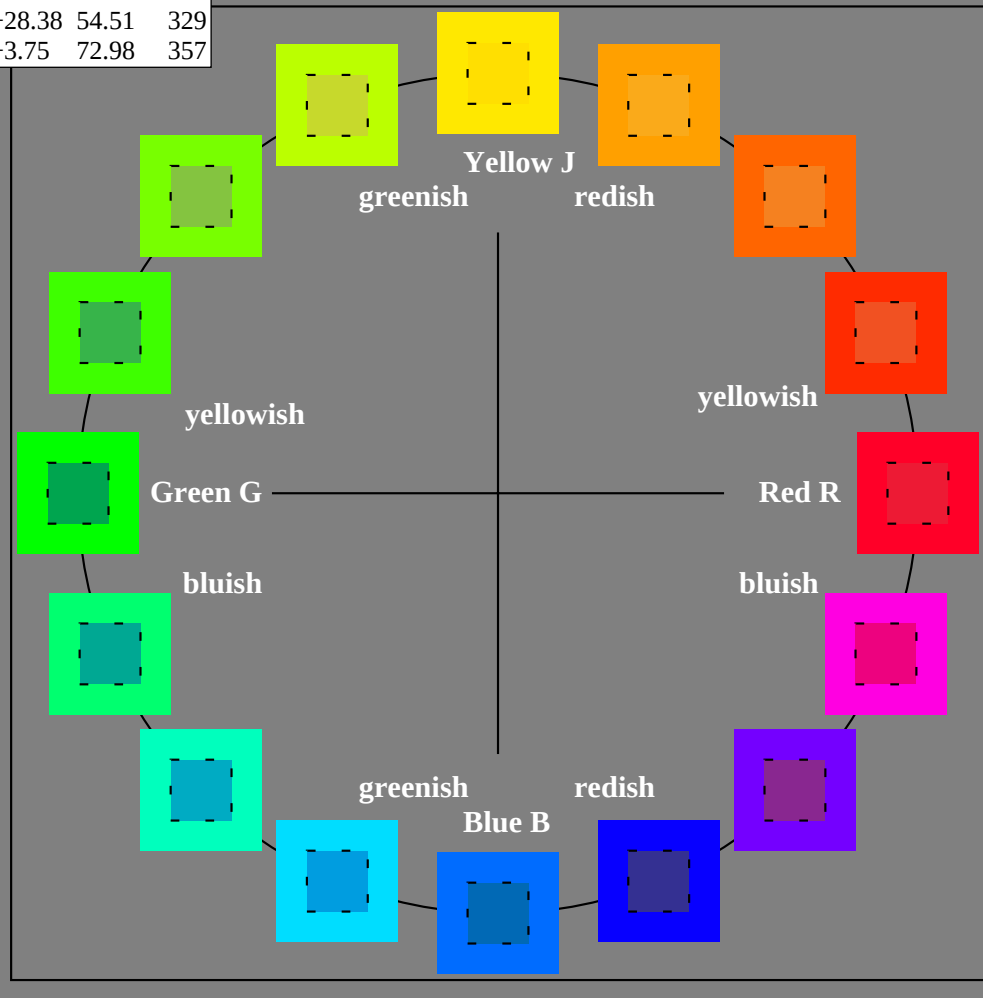


%Gamut
u*$_{rel}$ = 89
%Regularity
g*$_{H,rel}$ = 72
g*$_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

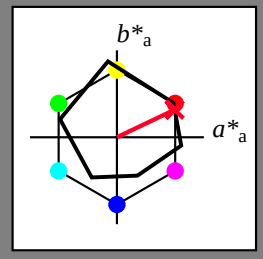
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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 $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$ ***u* = r00j***

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

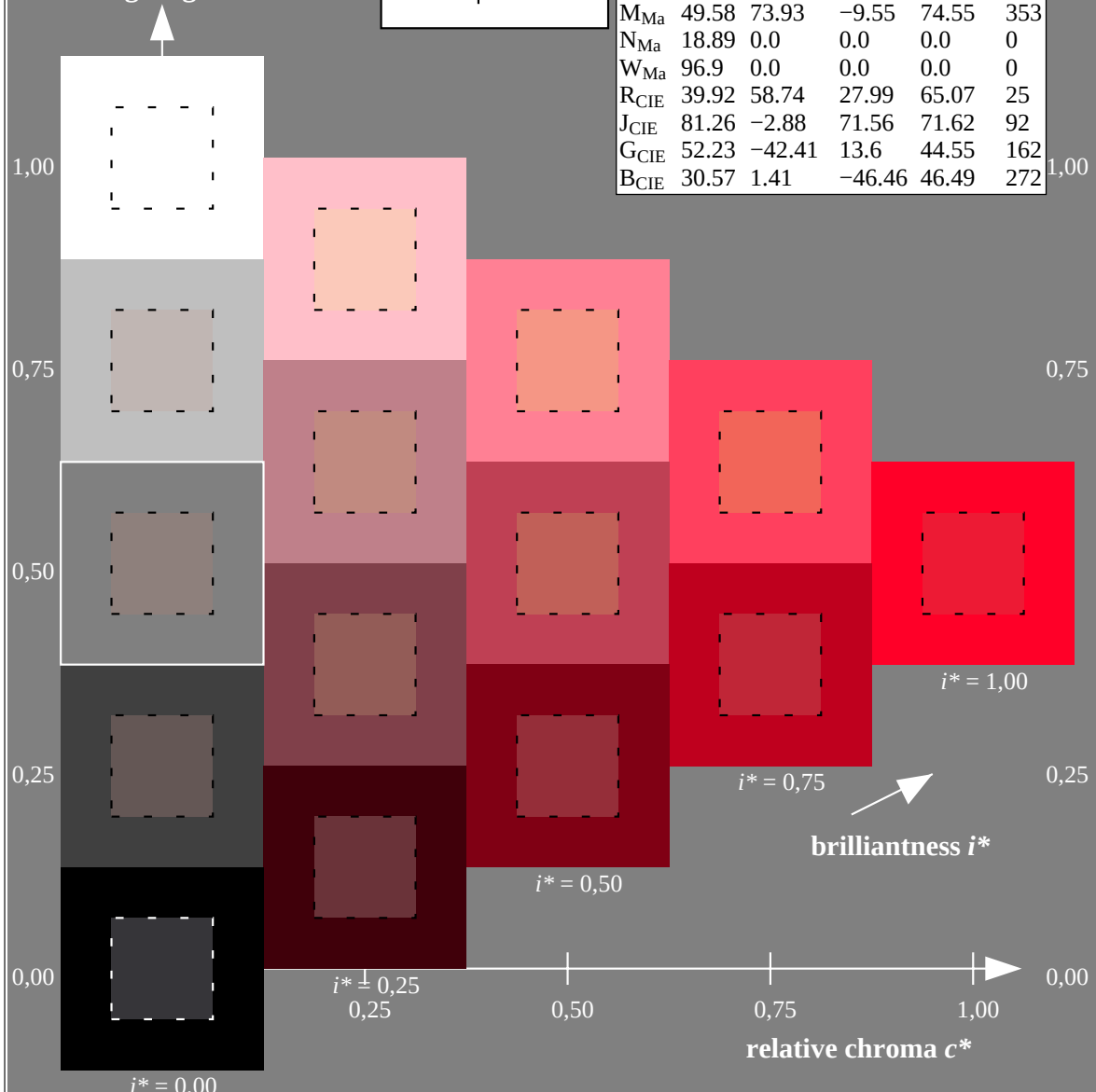
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

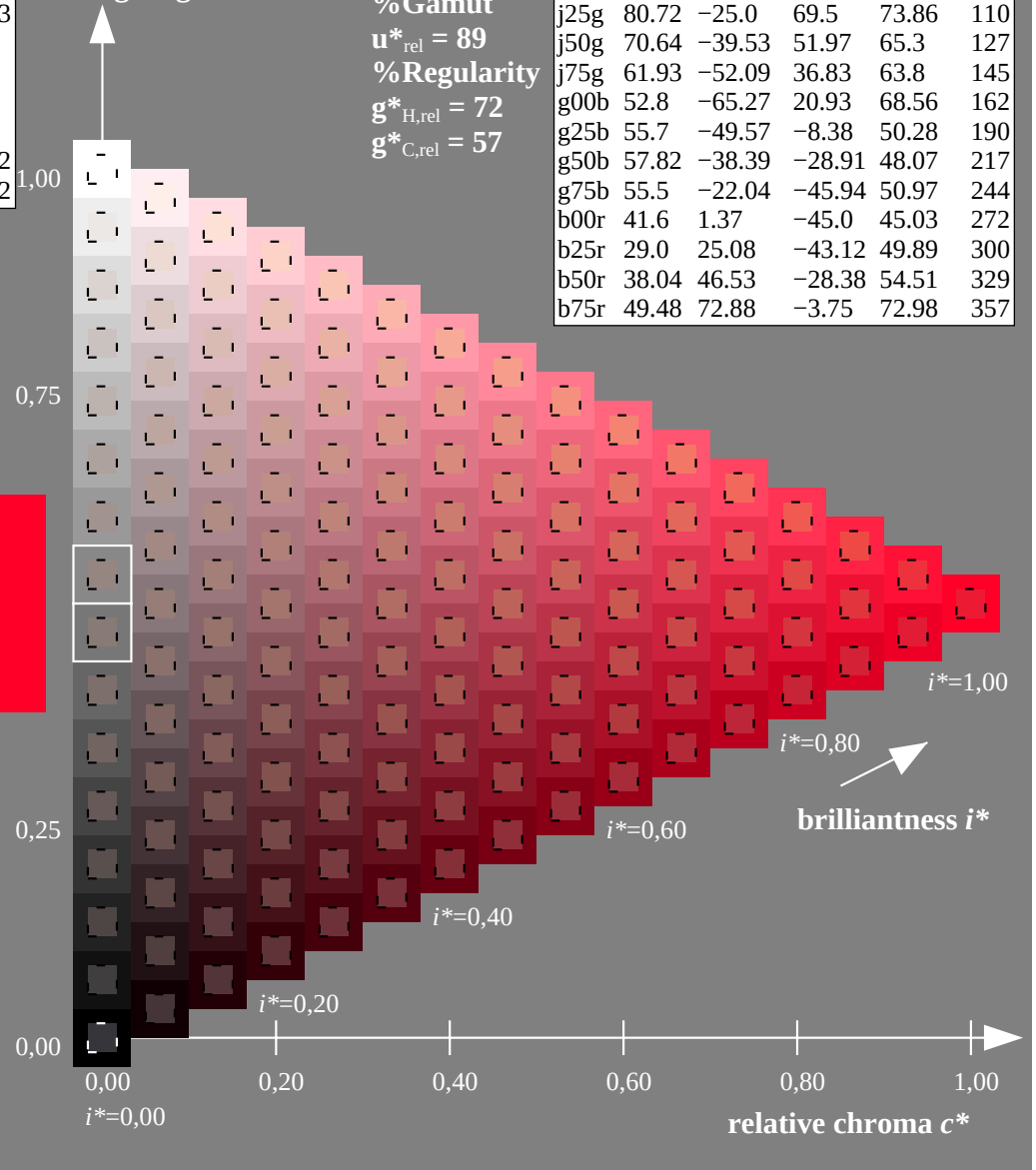
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 49 66 32**
LAB*LCH*$_{Ma}$**: 49 74 25**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.16**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

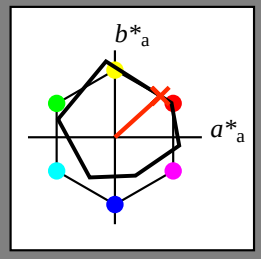
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$ ***u* = r25j***

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

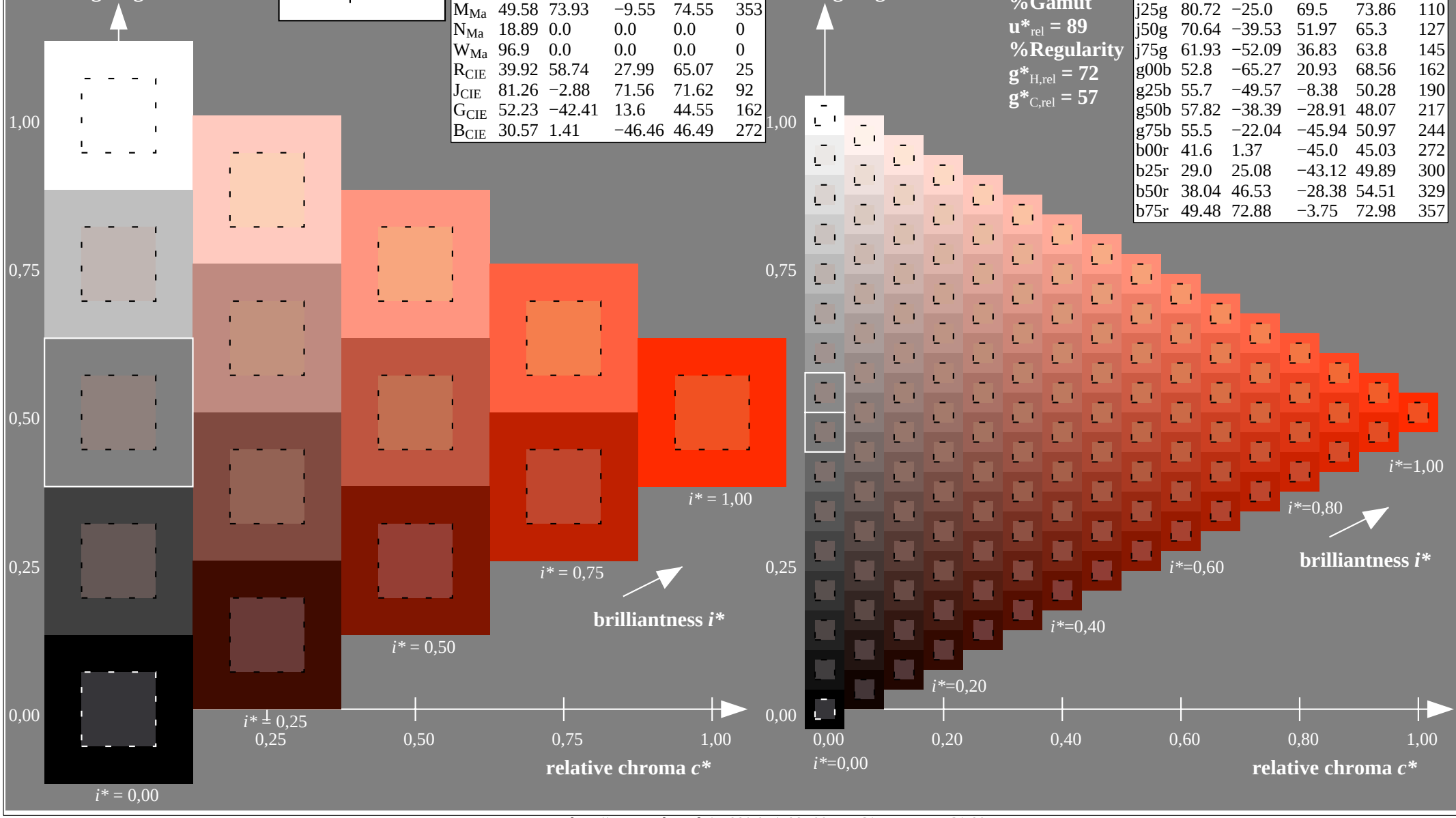
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

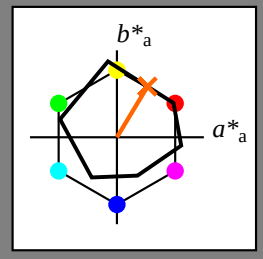
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$ ***u* = r50j***

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

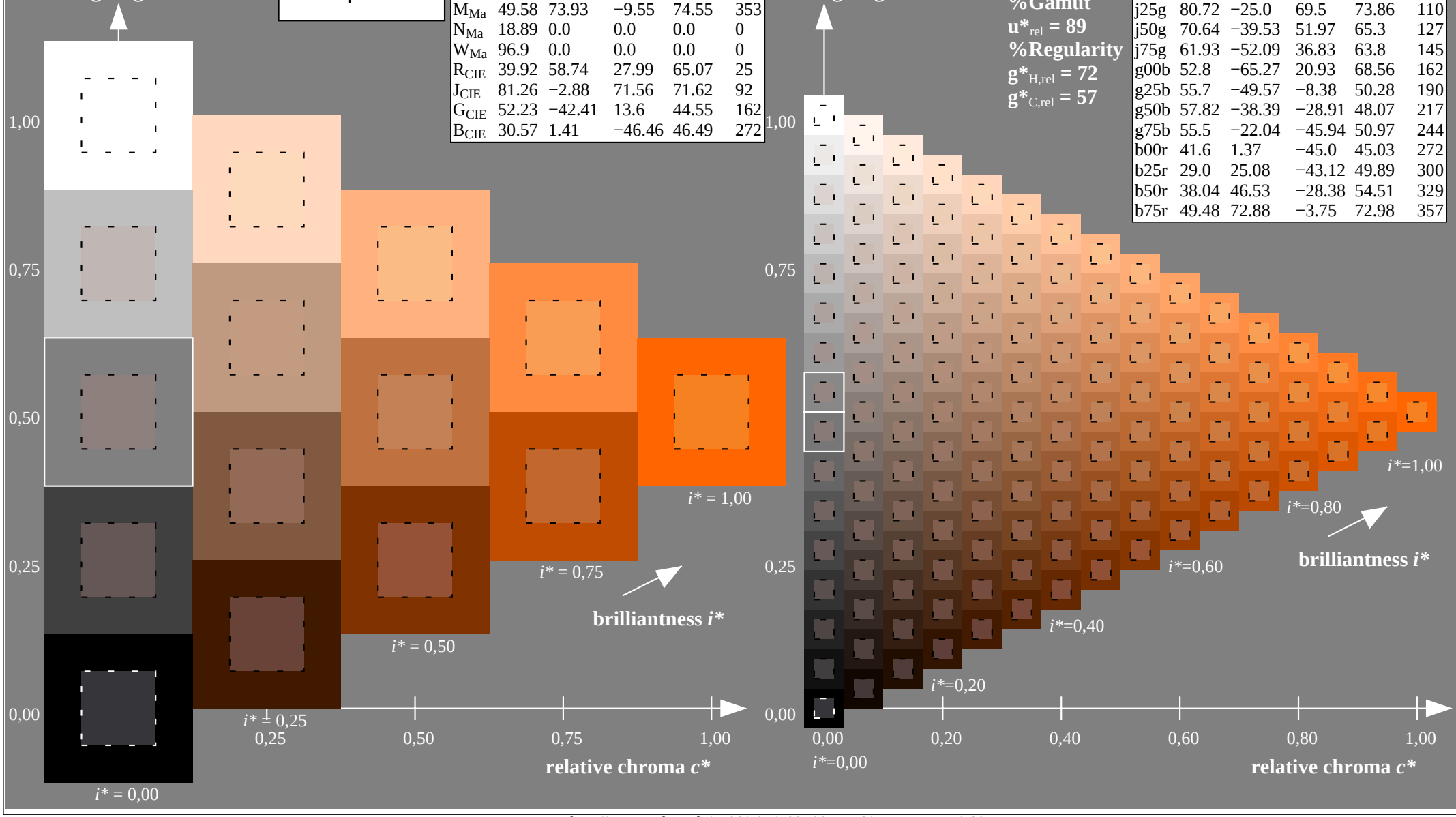
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

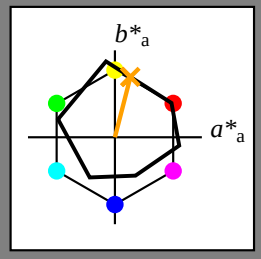
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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** ***u* = r75j***

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

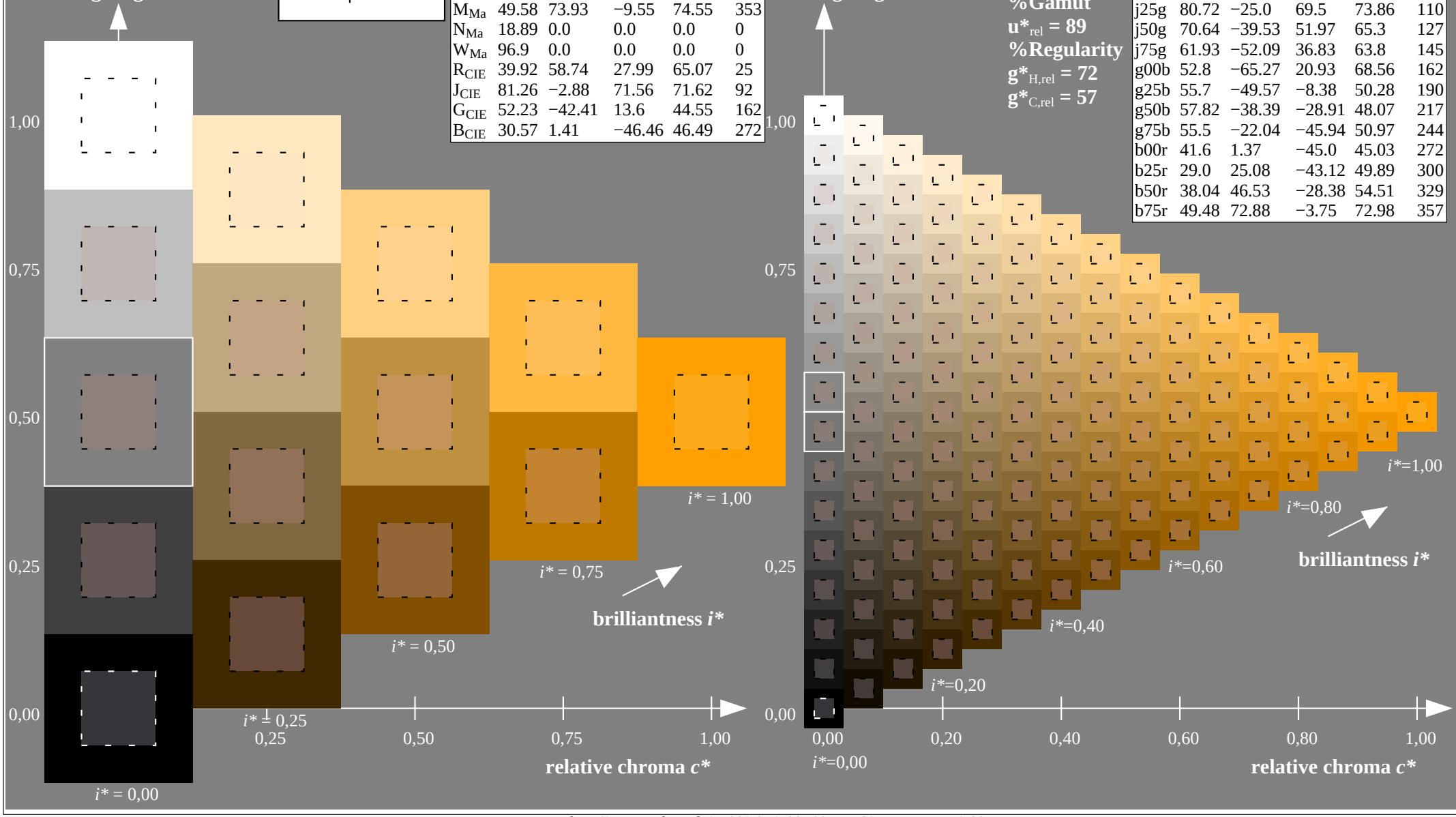
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

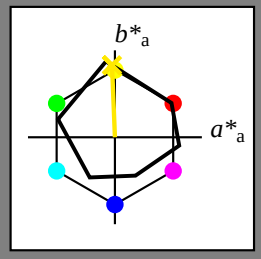
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$ ***u* = j00g***

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

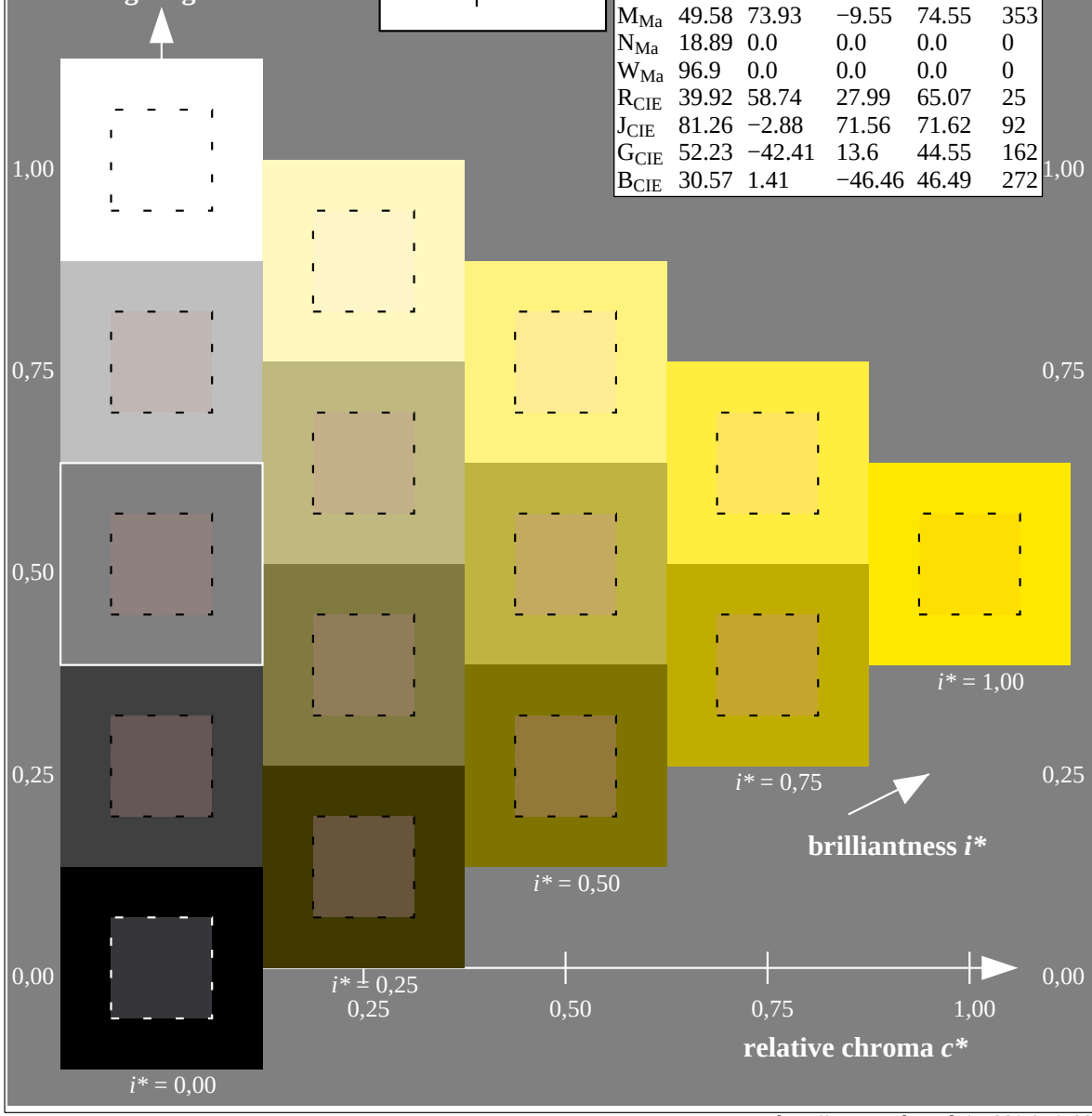
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

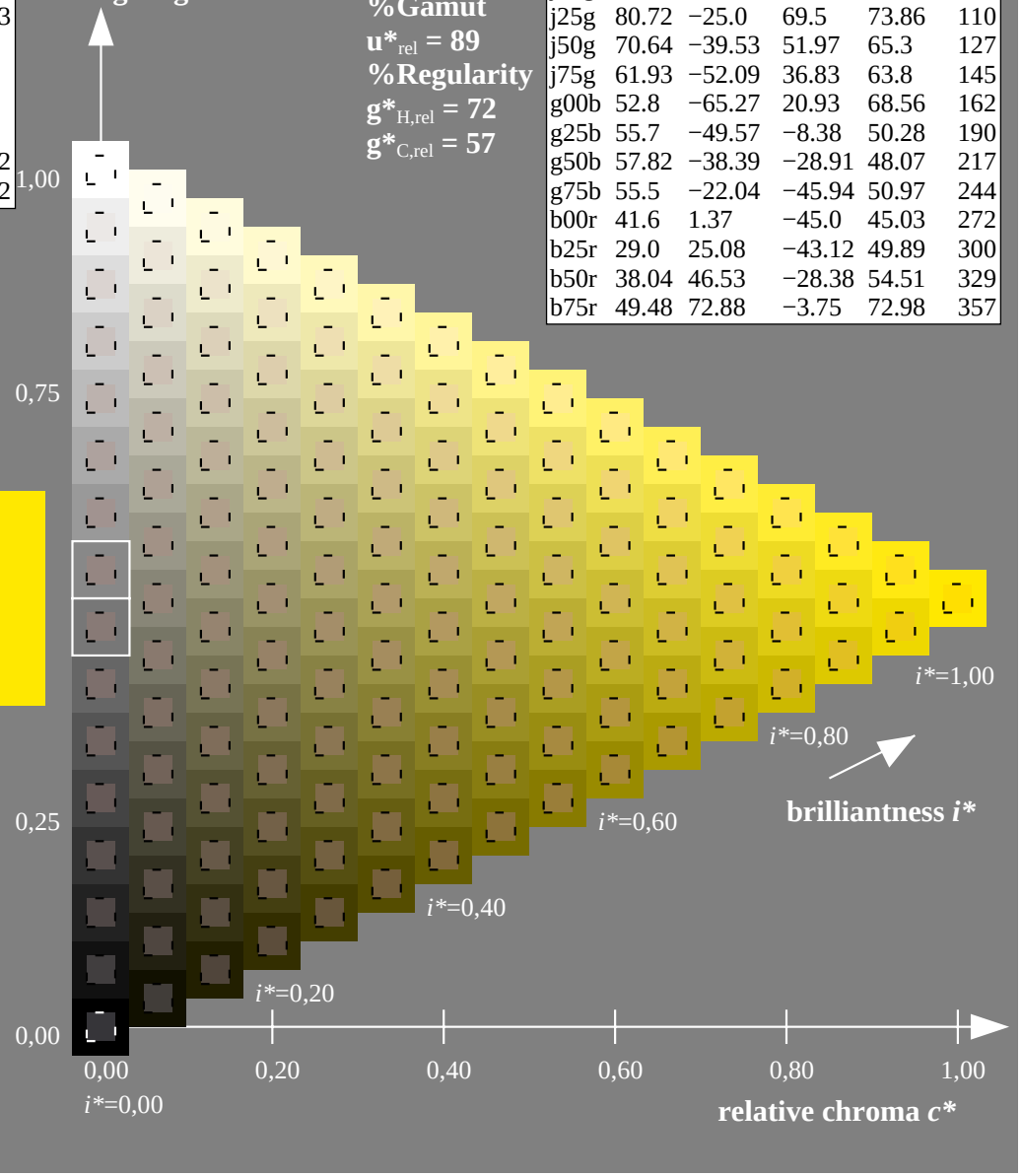
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 87 −2 83**
LAB*LCH*$_{Ma}$**: 87 83 92**
lab*rgb*$_{Ma}$**: 1.0 1.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.91 0.0**
triangle lightness ***t****

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

ORS19_96a; adapted (a) CIELAB data

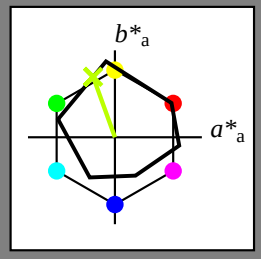
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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** ***u* = j25g***

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

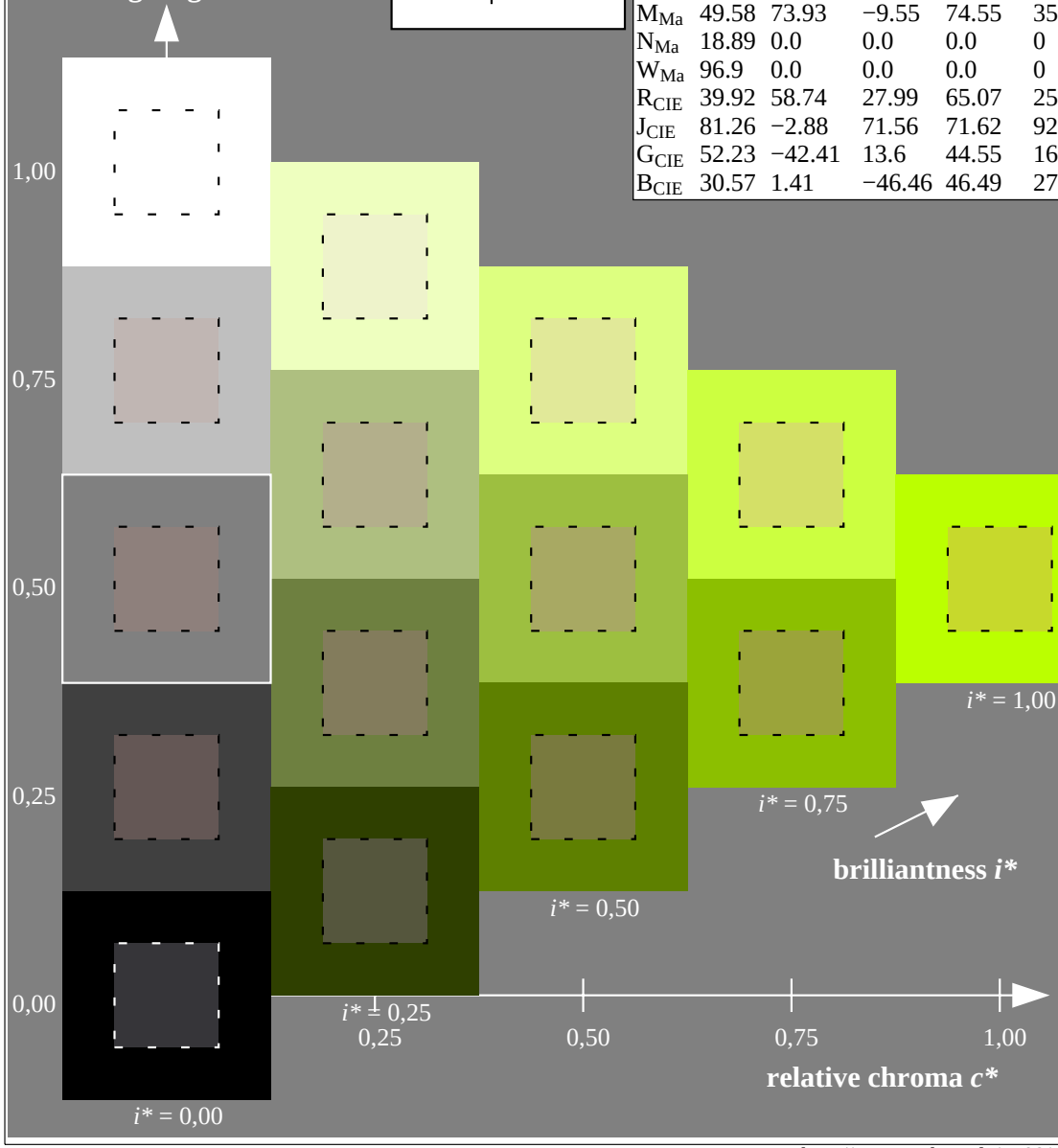
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

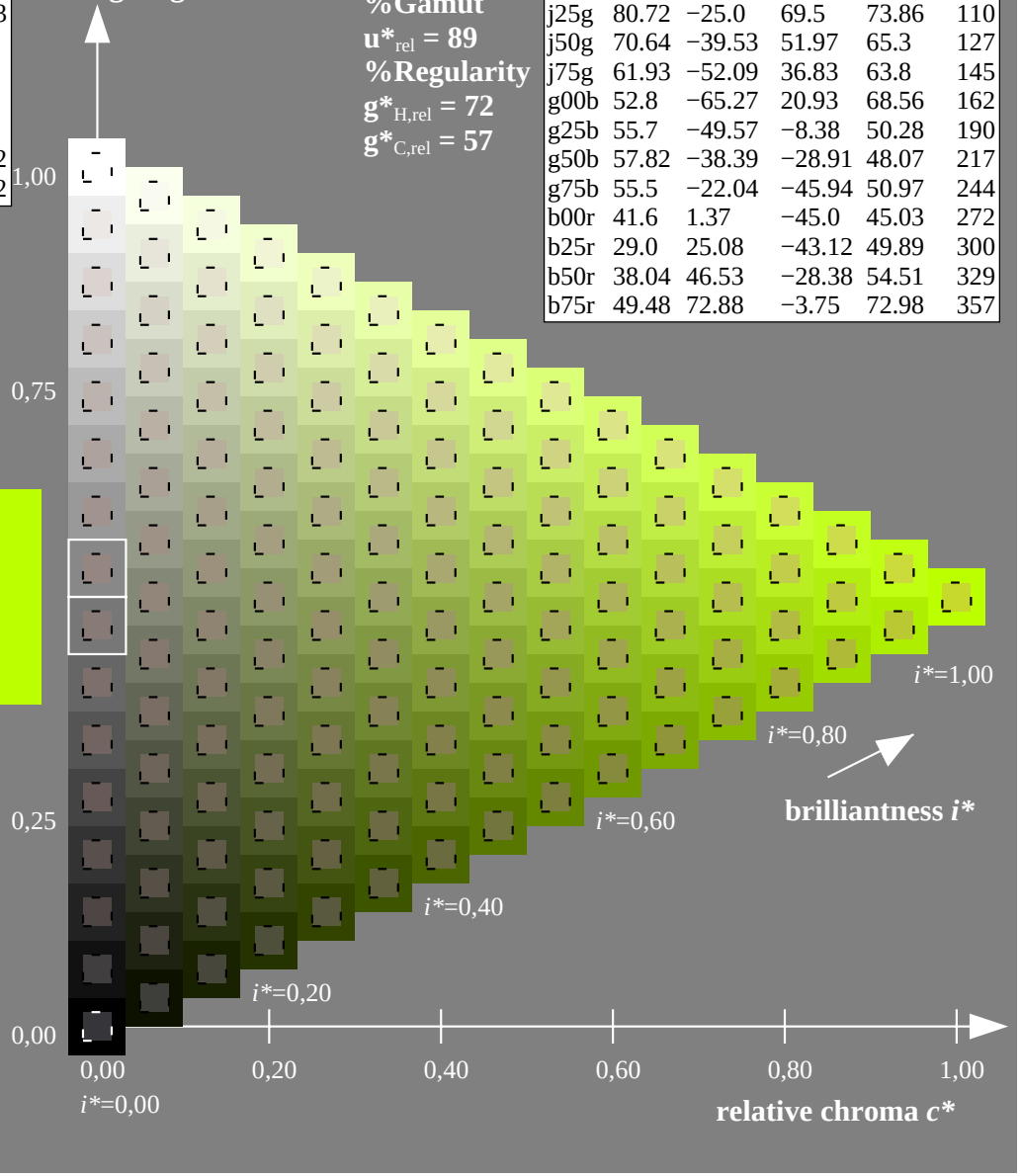
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 81 −24 69**
LAB*LCH*$_{Ma}$**: 81 74 110**
lab*rgb*$_{Ma}$**: 0.75 1.0 0.0**
lab*olv*$_{Ma}$**: 0.73 1.0 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

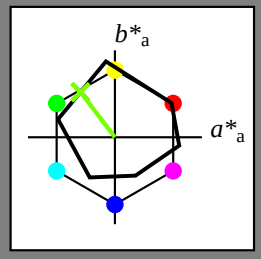
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$ ***u* = j50g***

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

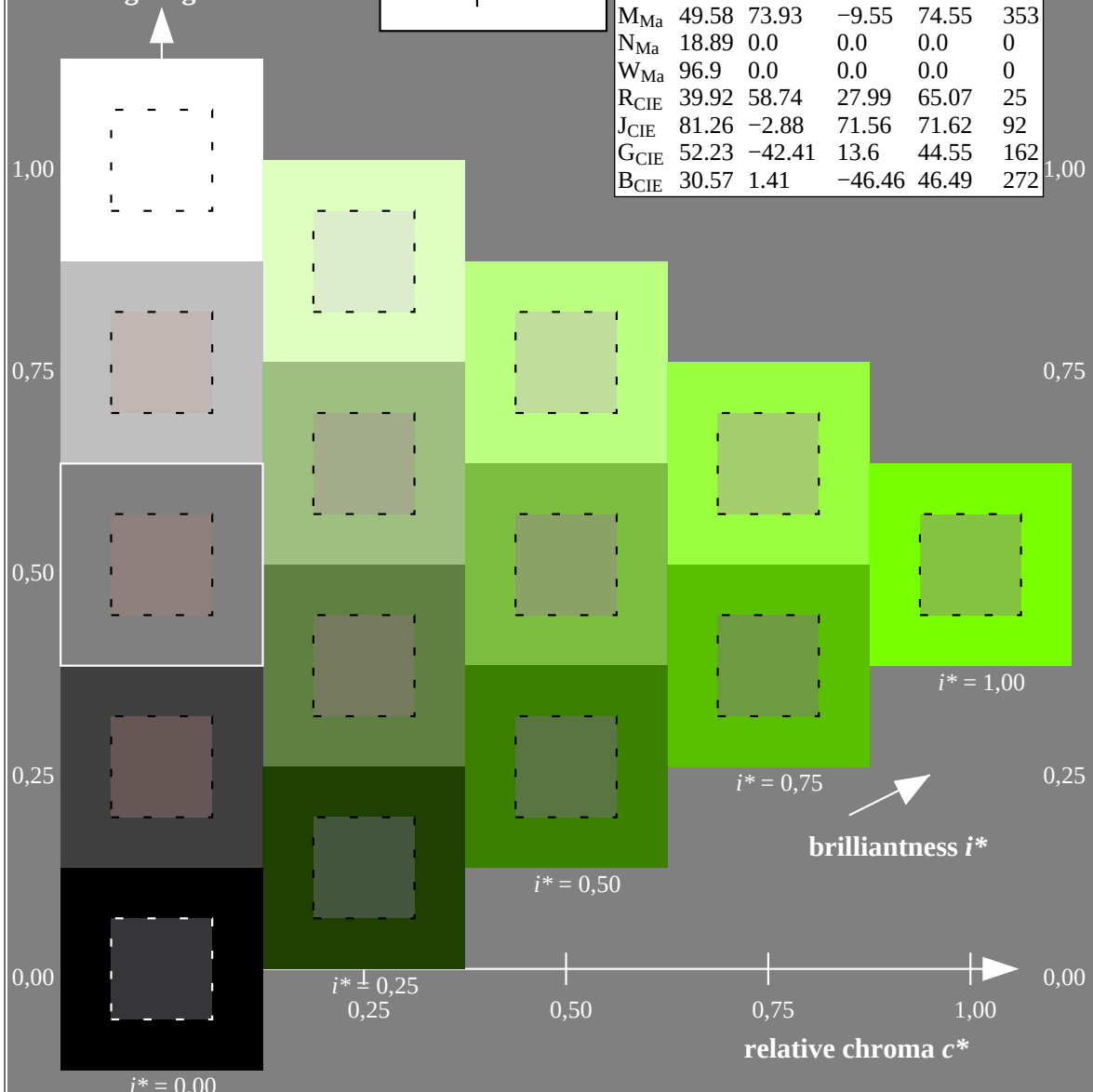
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

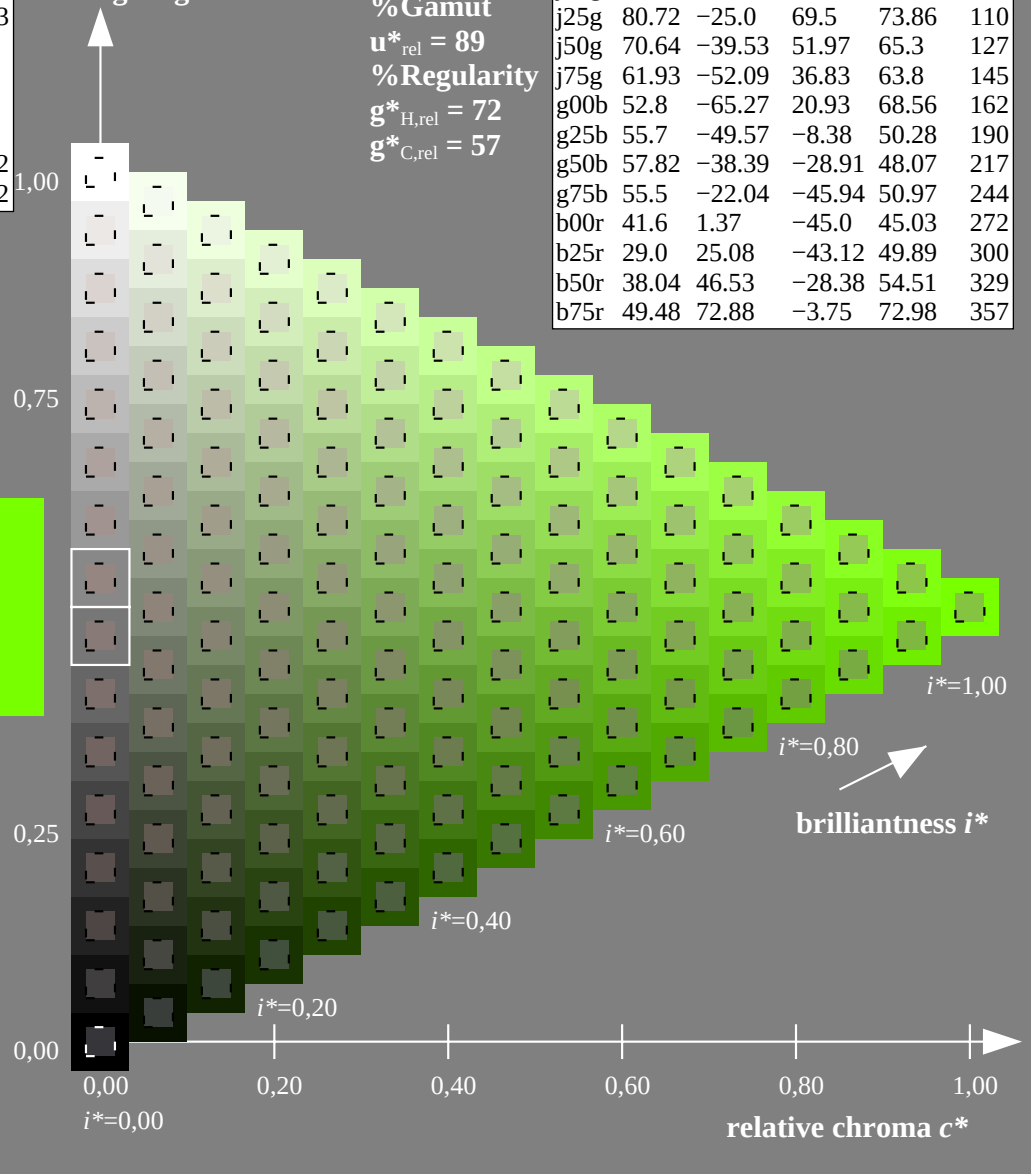
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 71 −39 52**
LAB*LCH*$_{Ma}$**: 71 65 127**
lab*rgb*$_{Ma}$**: 0.5 1.0 0.0**
lab*olv*$_{Ma}$**: 0.47 1.0 0.0**
triangle lightness ***t****

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

ORS19_96a; adapted (a) CIELAB data

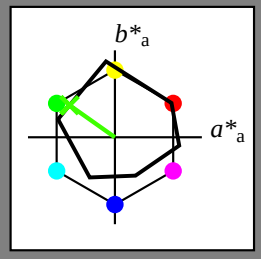
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$ ***u* = j75g***

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

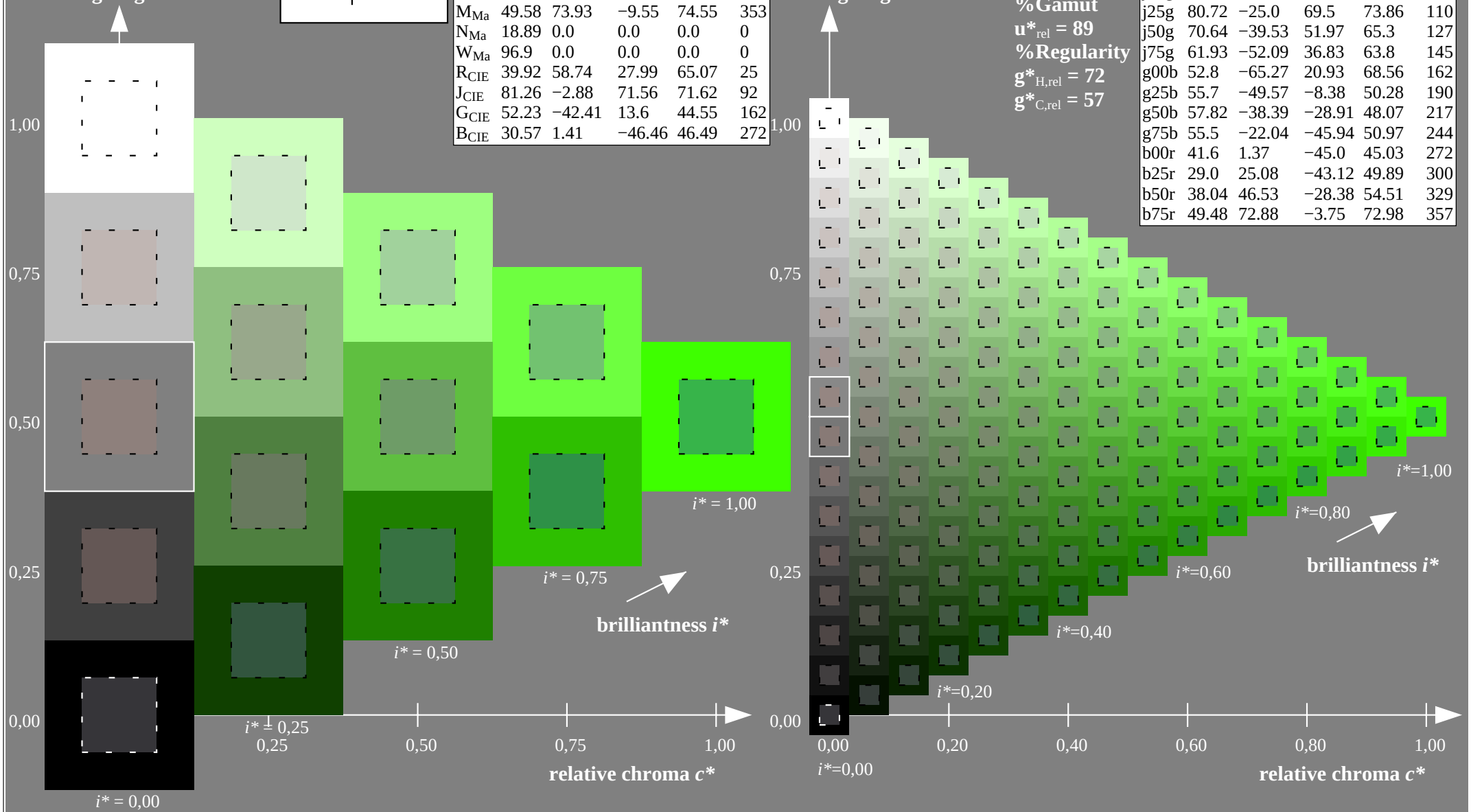
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

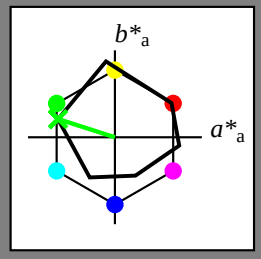
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$ ***u* = g00b***

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

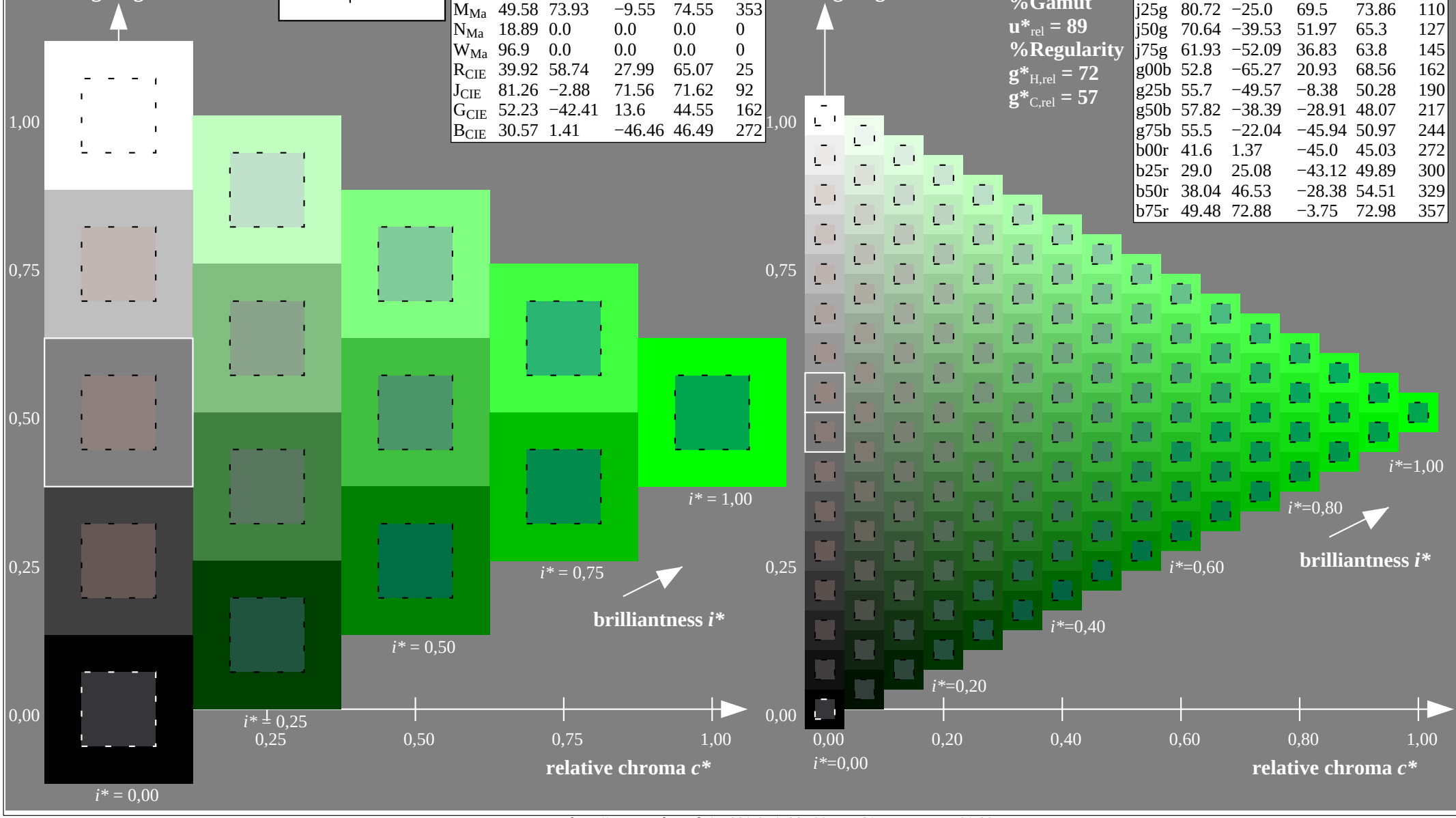
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

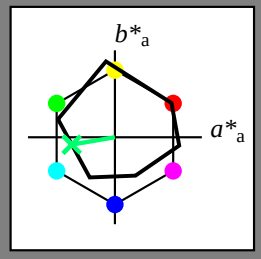
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$ ***u* = g25b***

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

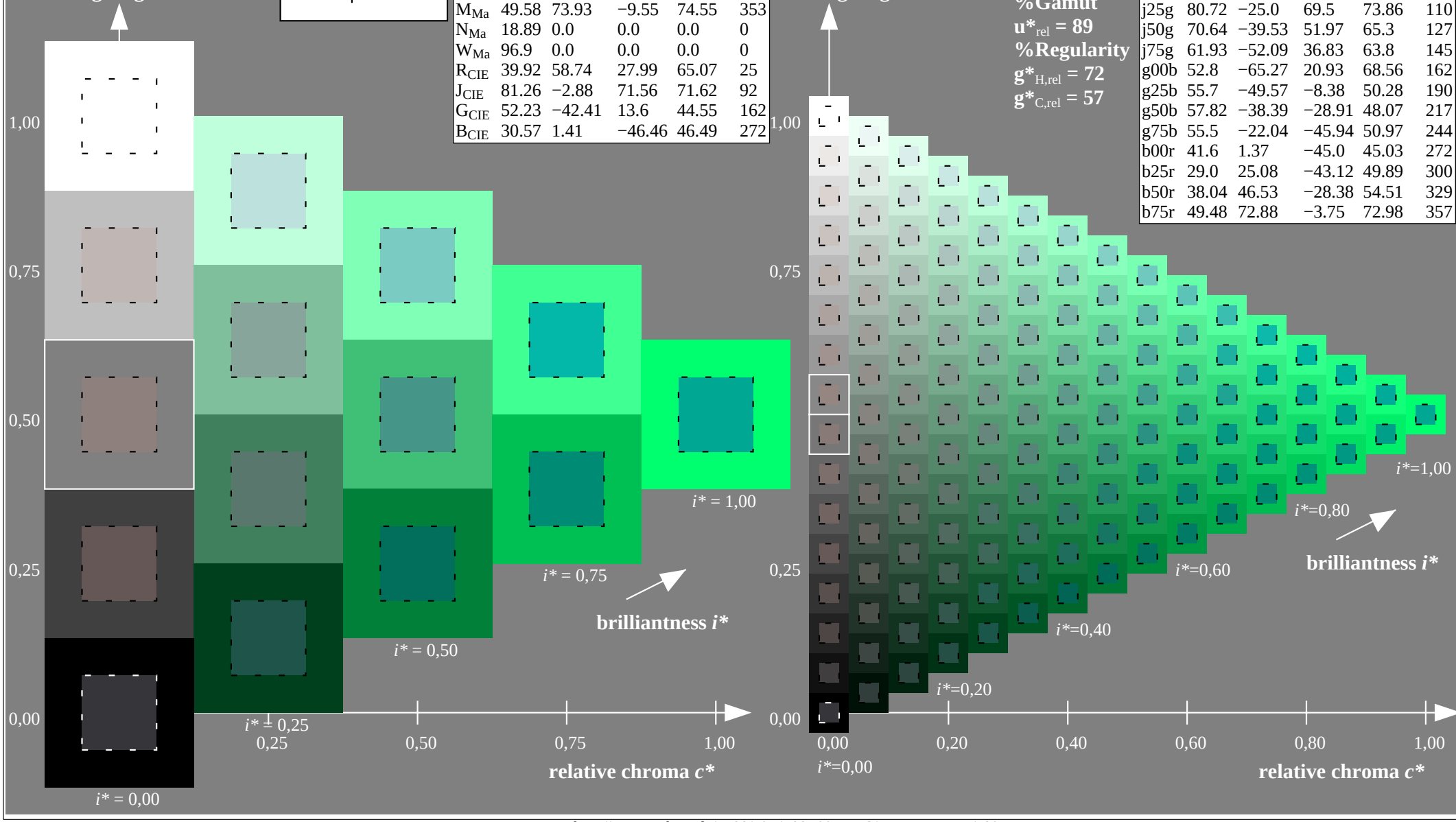
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

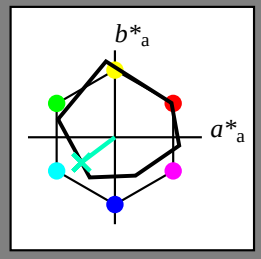
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$ ***u* = g50b***

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

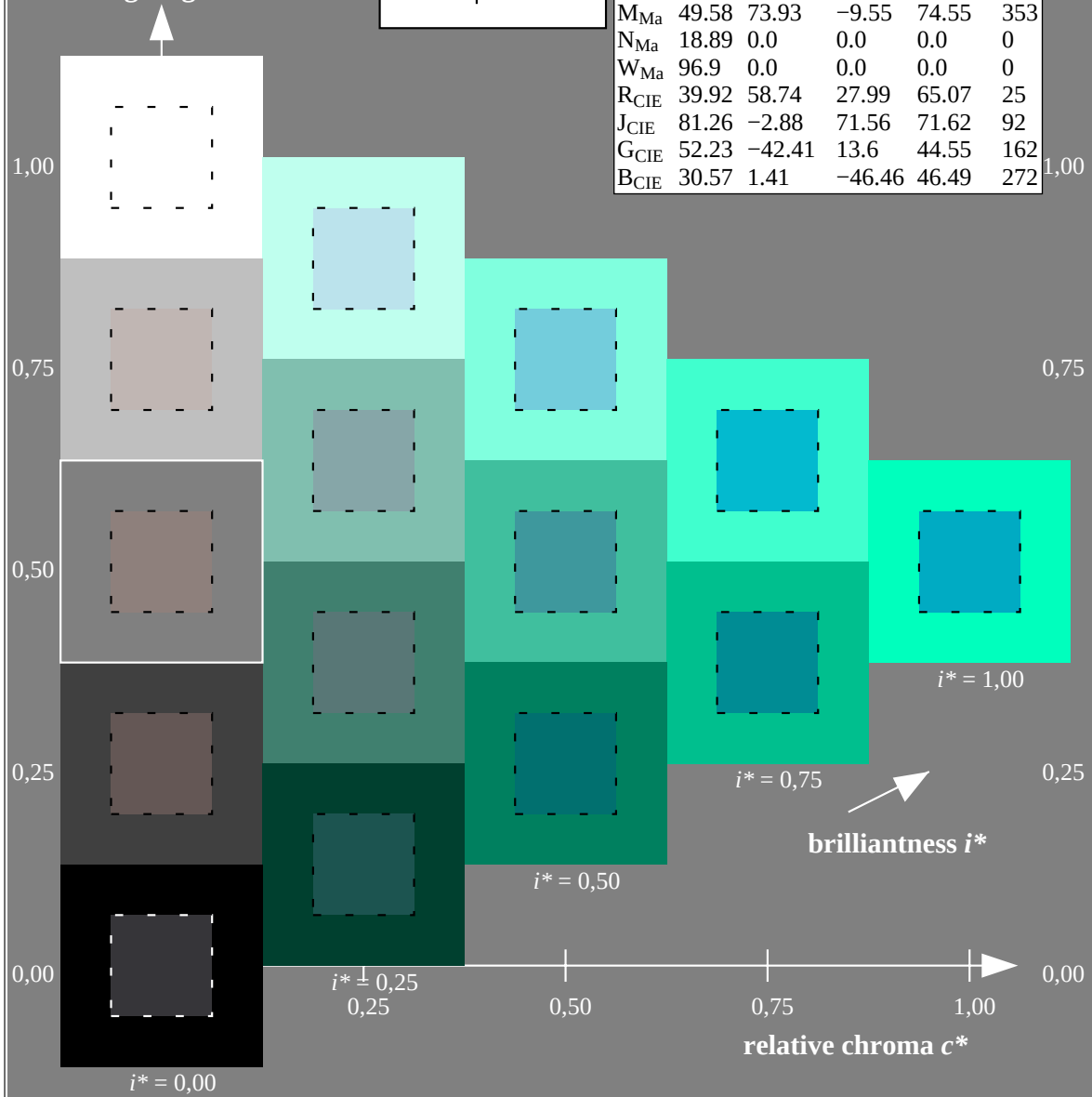
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

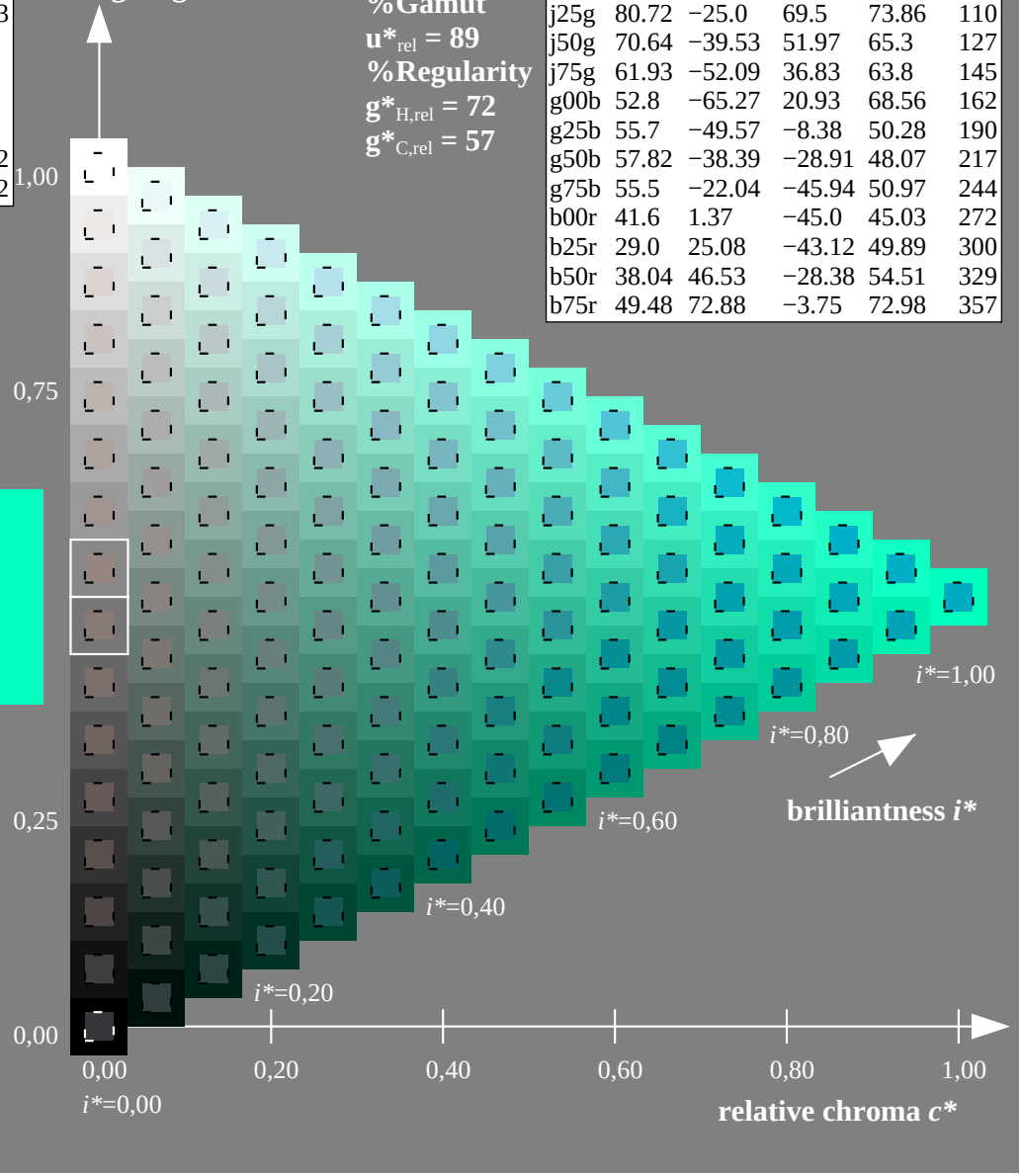
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 58 −37 −28**
LAB*LCH*$_{Ma}$**: 58 48 217**
lab*rgb*$_{Ma}$**: 0.0 1.0 1.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.74**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

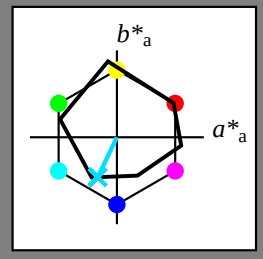
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$ ***u* = g75b***

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

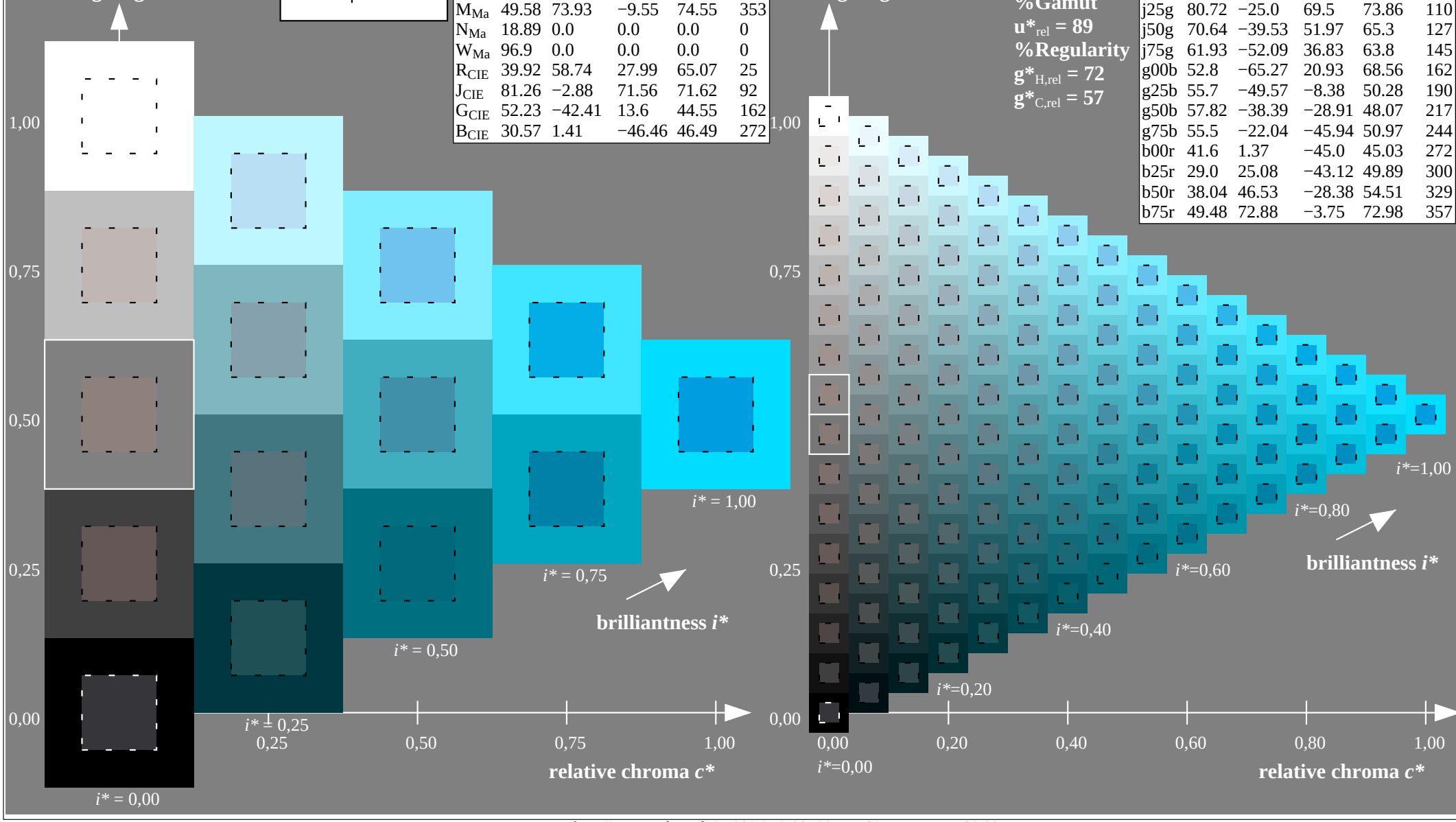
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

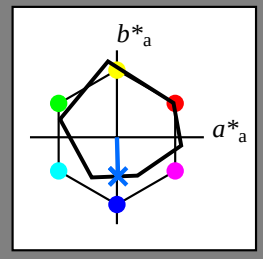
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$ ***u* = b00r***

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

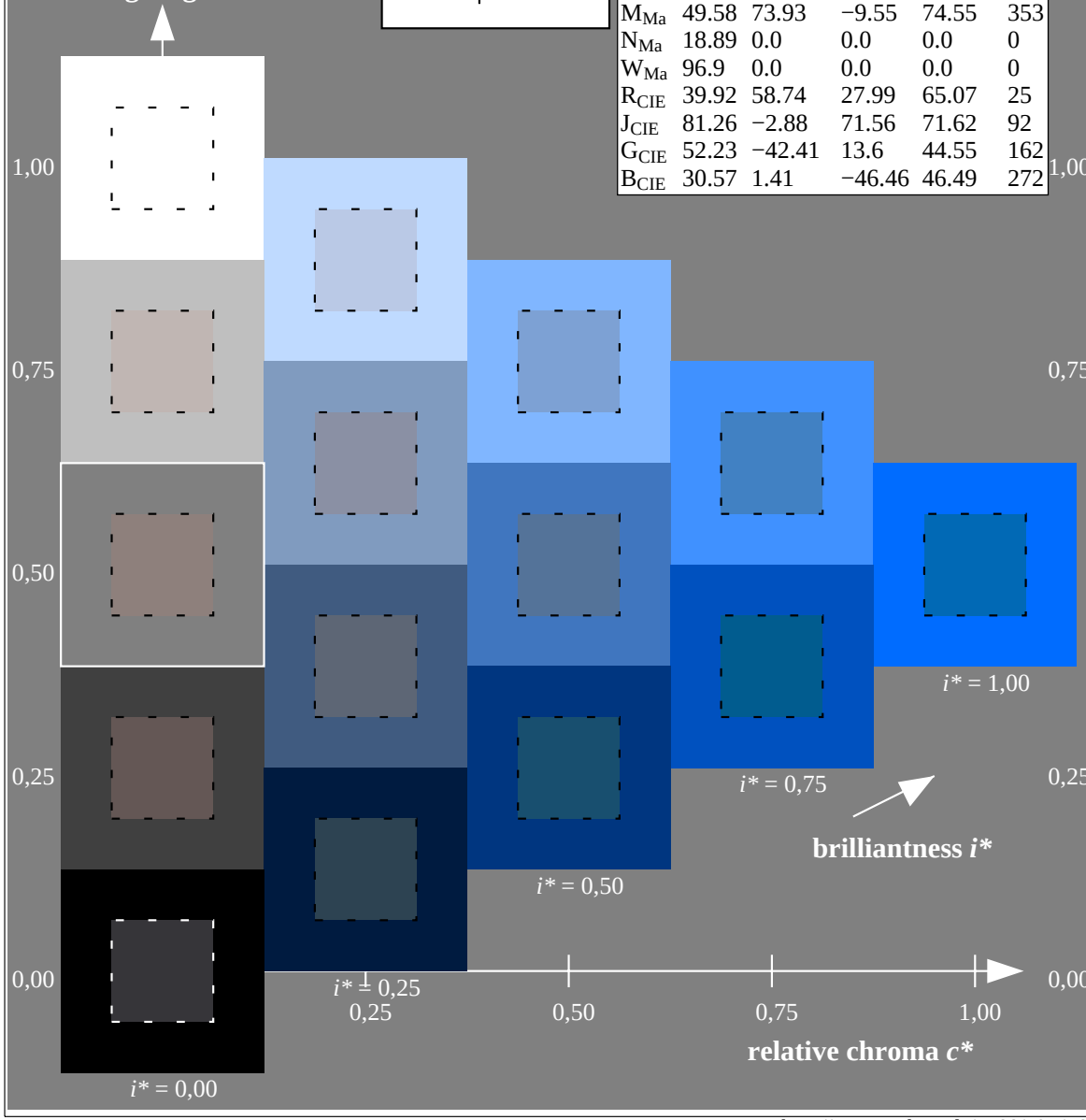
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

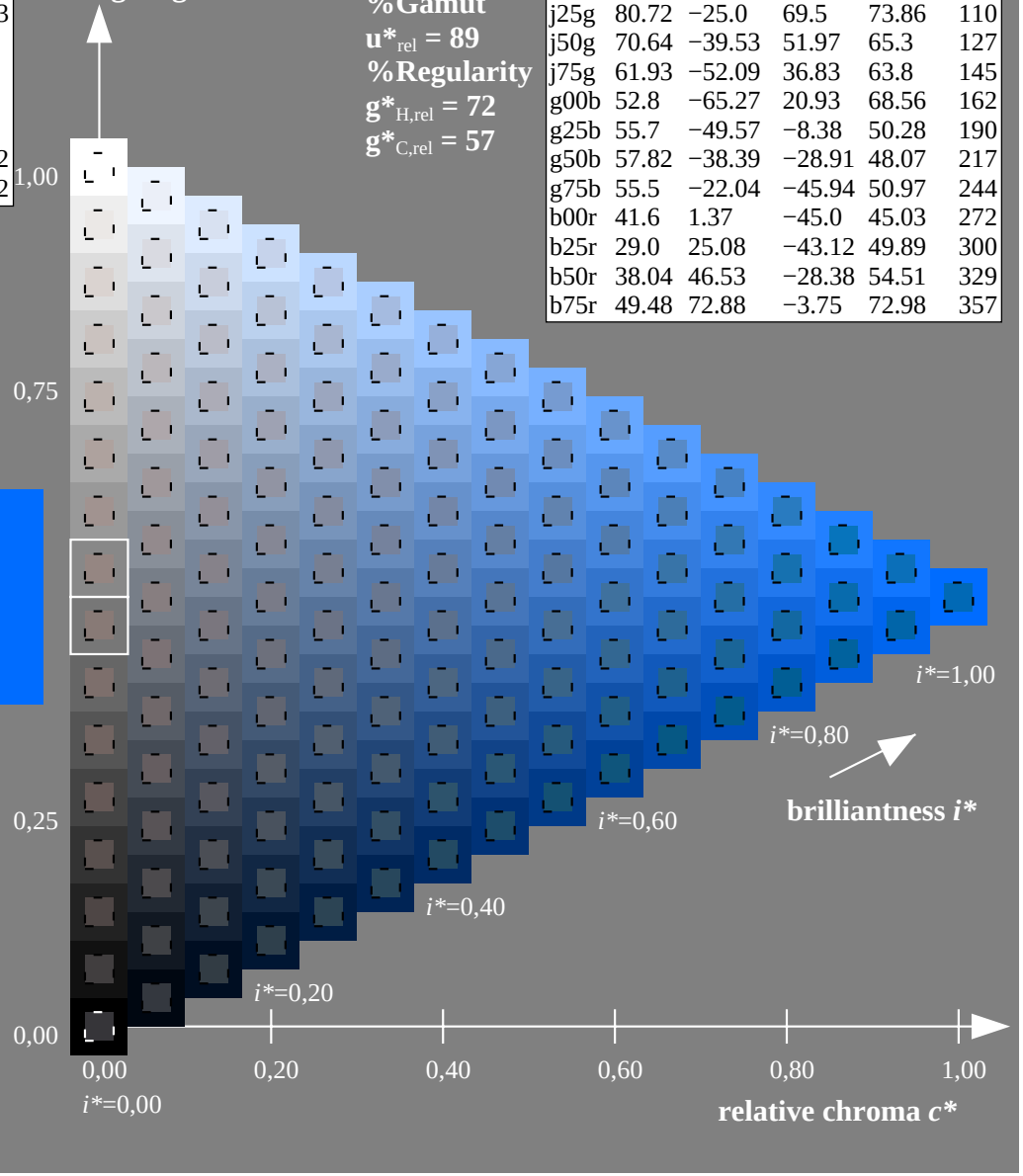
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 42 1 −44**
LAB*LCH*$_{Ma}$**: 42 45 272**
lab*rgb*$_{Ma}$**: 0.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.0 0.42 1.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

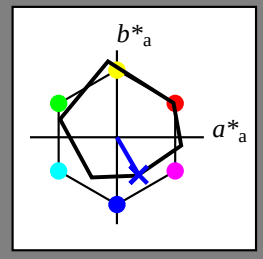
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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** = $h_{ab}/360 = 300/360 = 0.834$** ***u* = b25r***

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

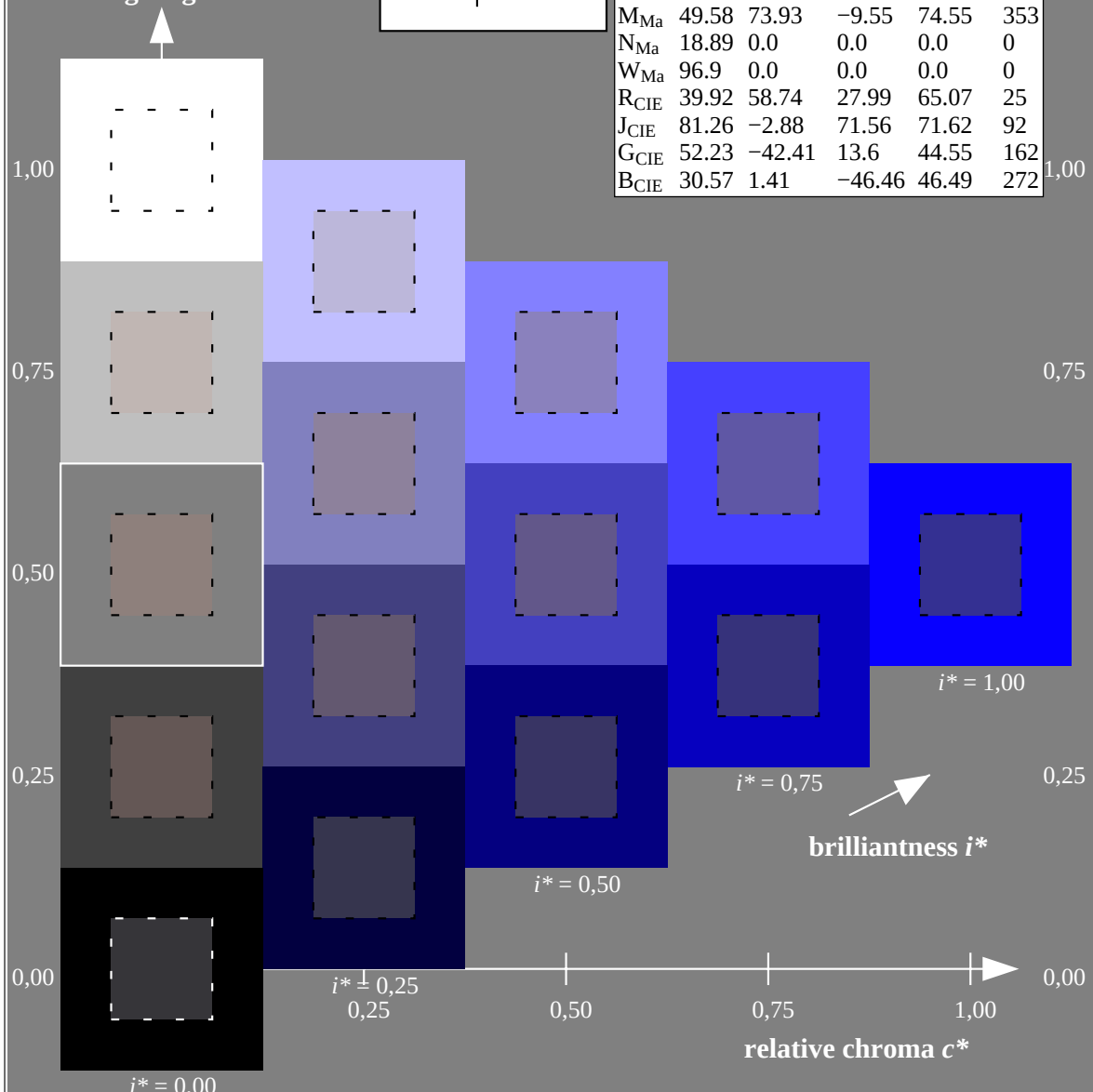
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

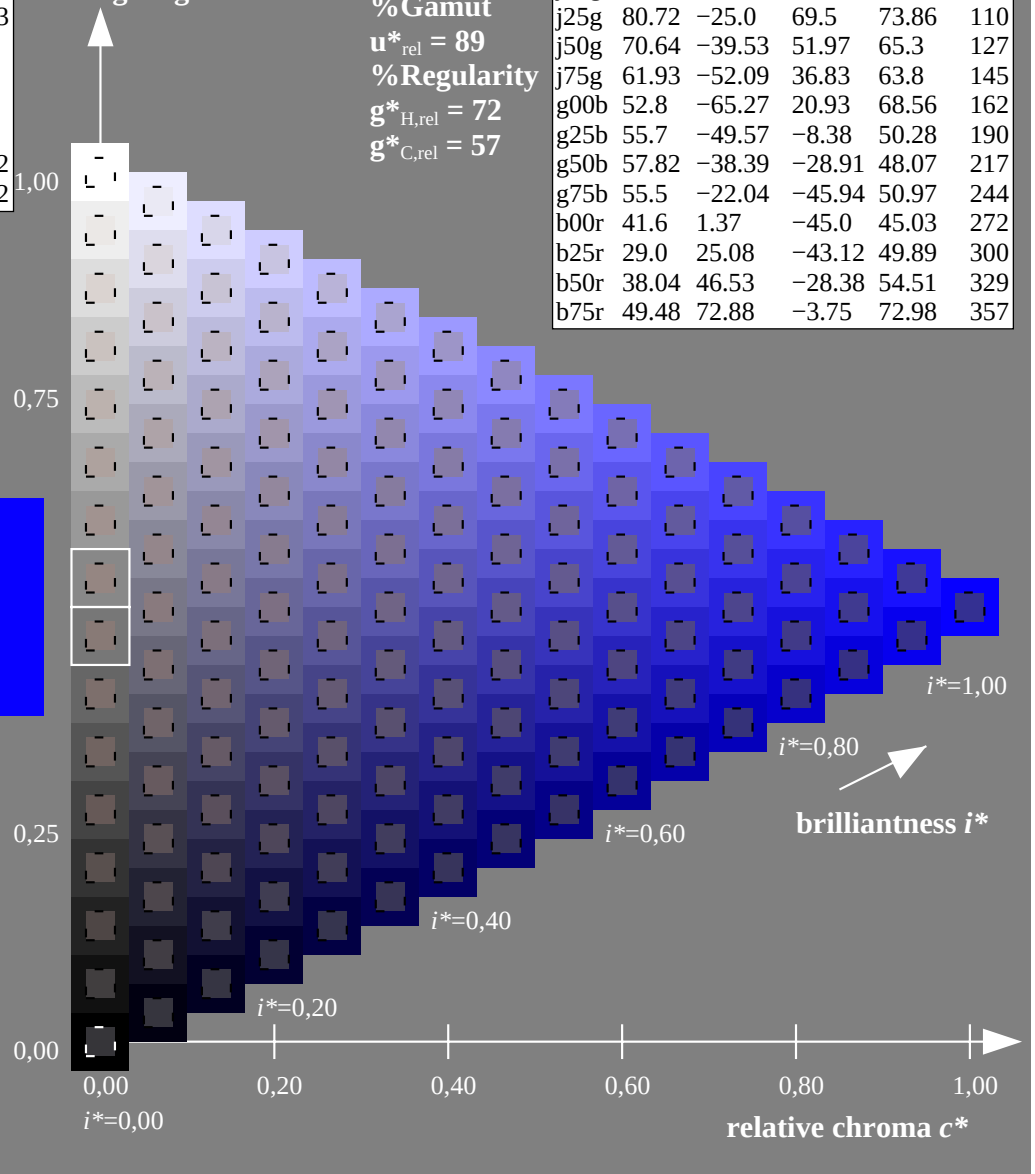
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 29 25 −42**
LAB*LCH*$_{Ma}$**: 29 50 300**
lab*rgb*$_{Ma}$**: 0.5 0.0 1.0**
lab*olv*$_{Ma}$**: 0.03 0.0 1.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

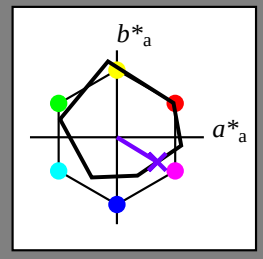
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$ ***u* = b50r***

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

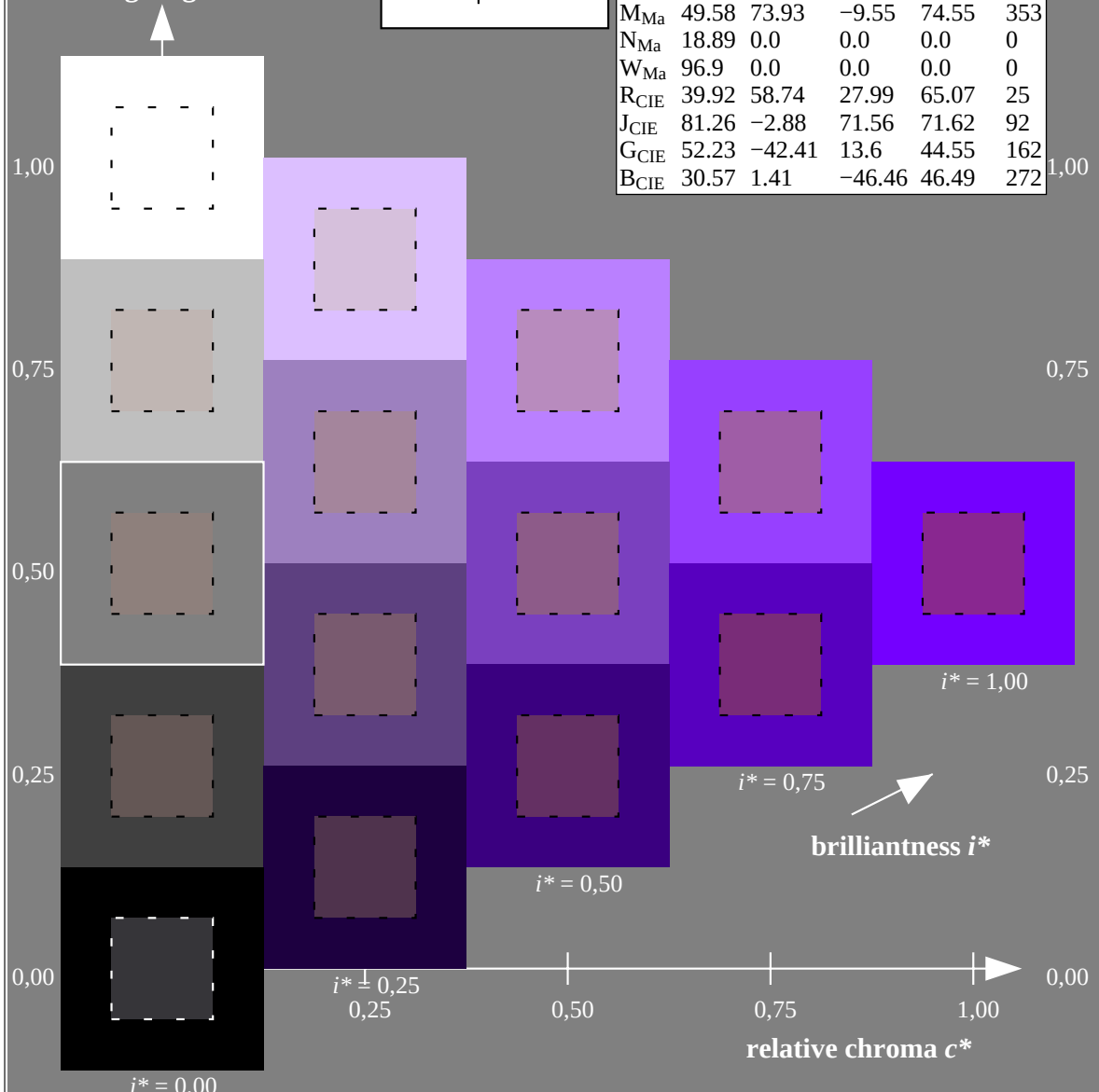
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

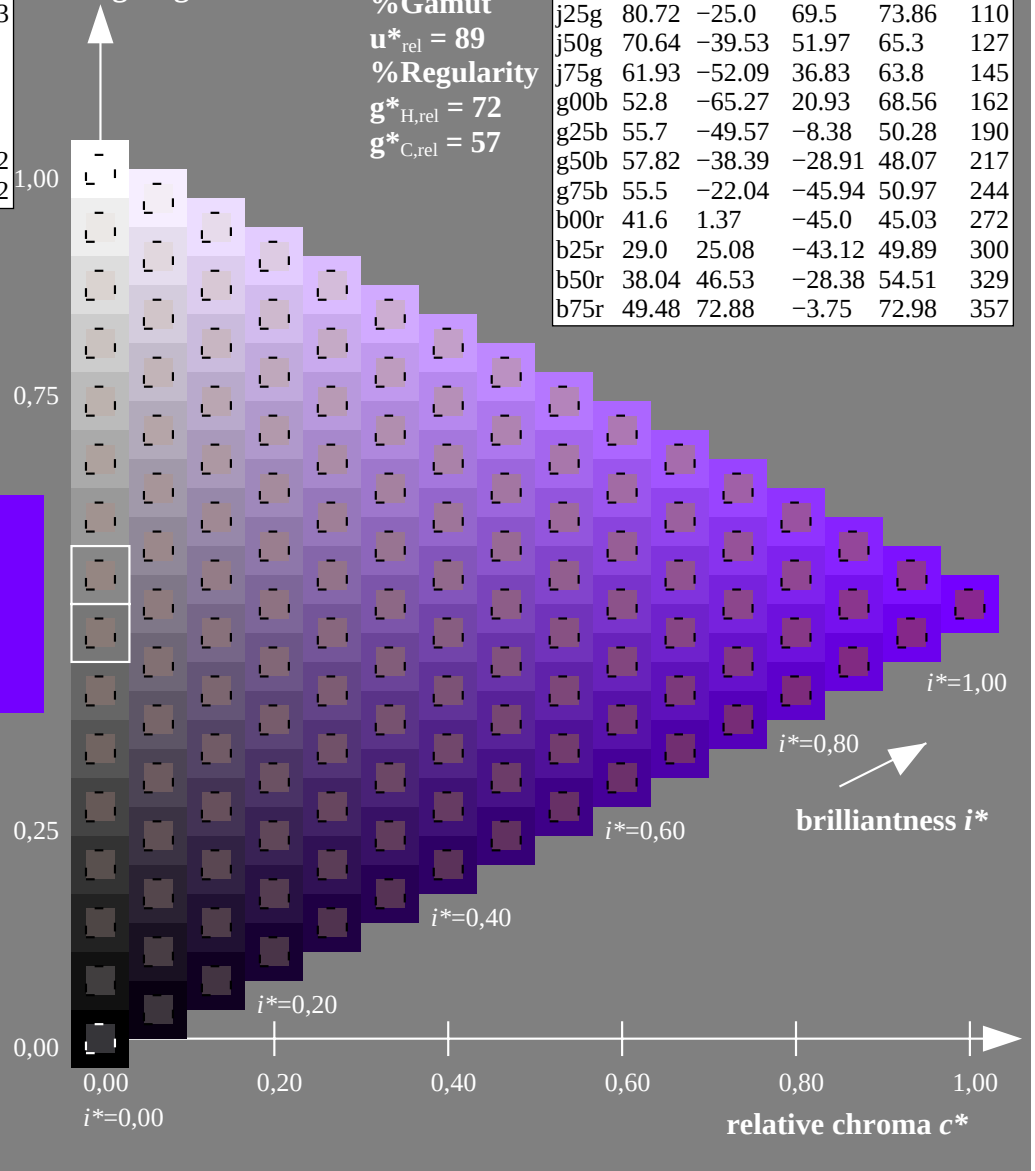
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 38 47 −27**
LAB*LCH*$_{Ma}$**: 38 55 329**
lab*rgb*$_{Ma}$**: 1.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.46 0.0 1.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

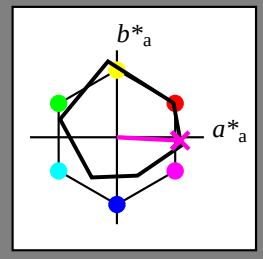
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$ ***u* = b75r***

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

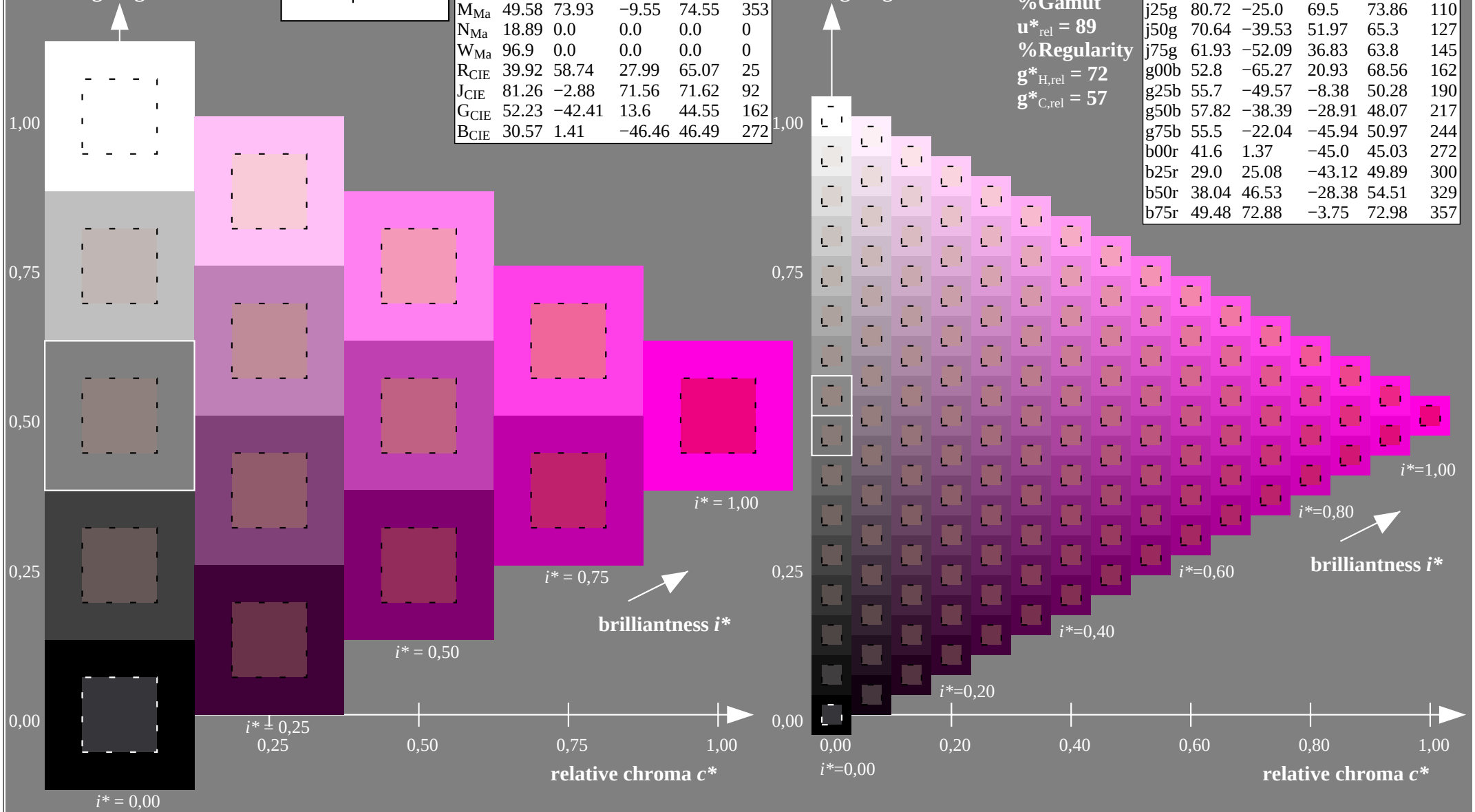
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

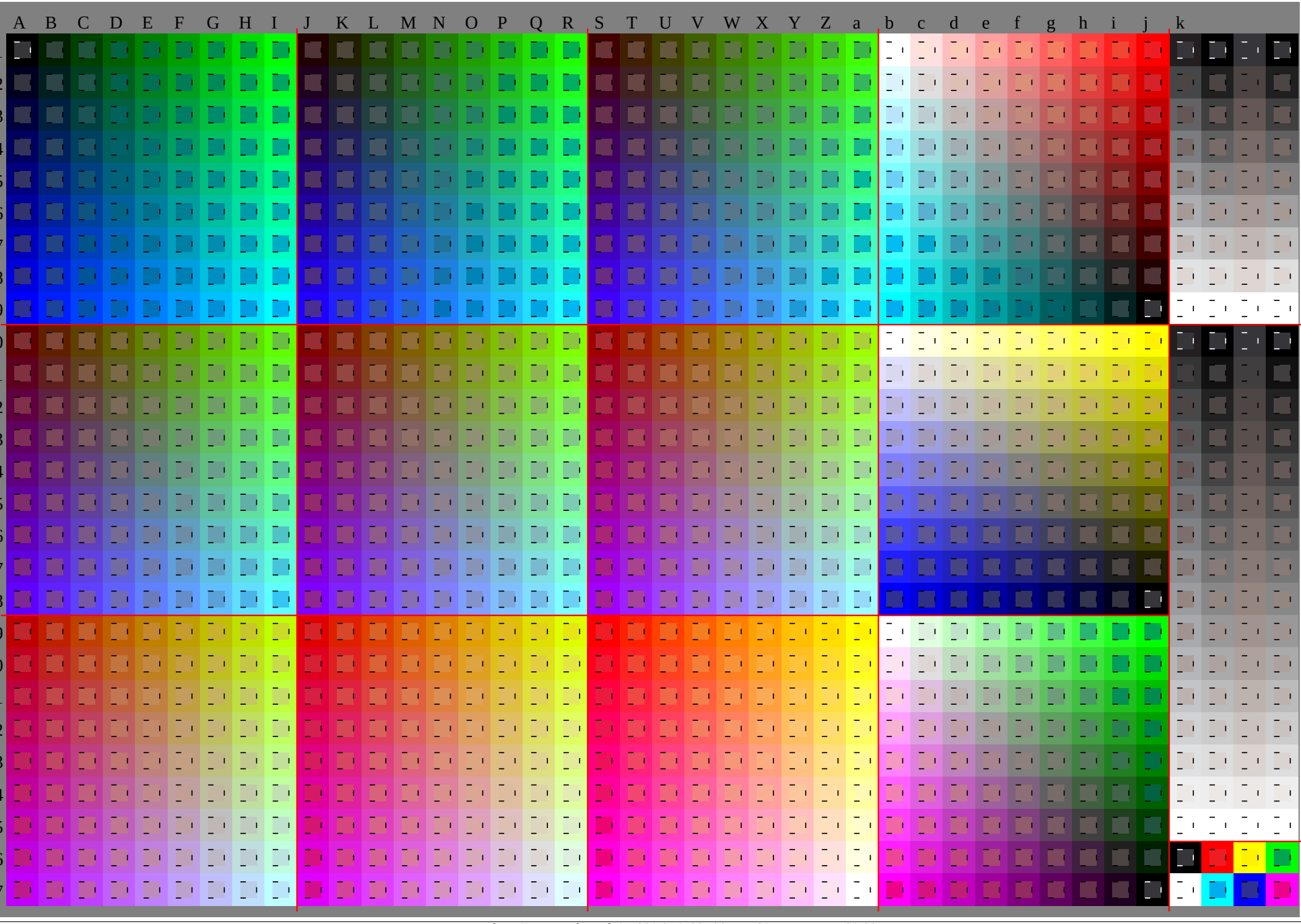
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 49 73 −3**
LAB*LCH*$_{Ma}$**: 49 73 357**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.5**
lab*olv*$_{Ma}$**: 1.0 0.0 0.88**
triangle lightness *t**

%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

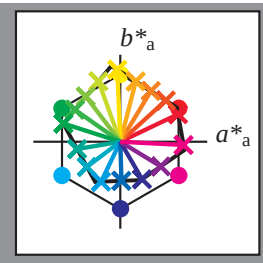



A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

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

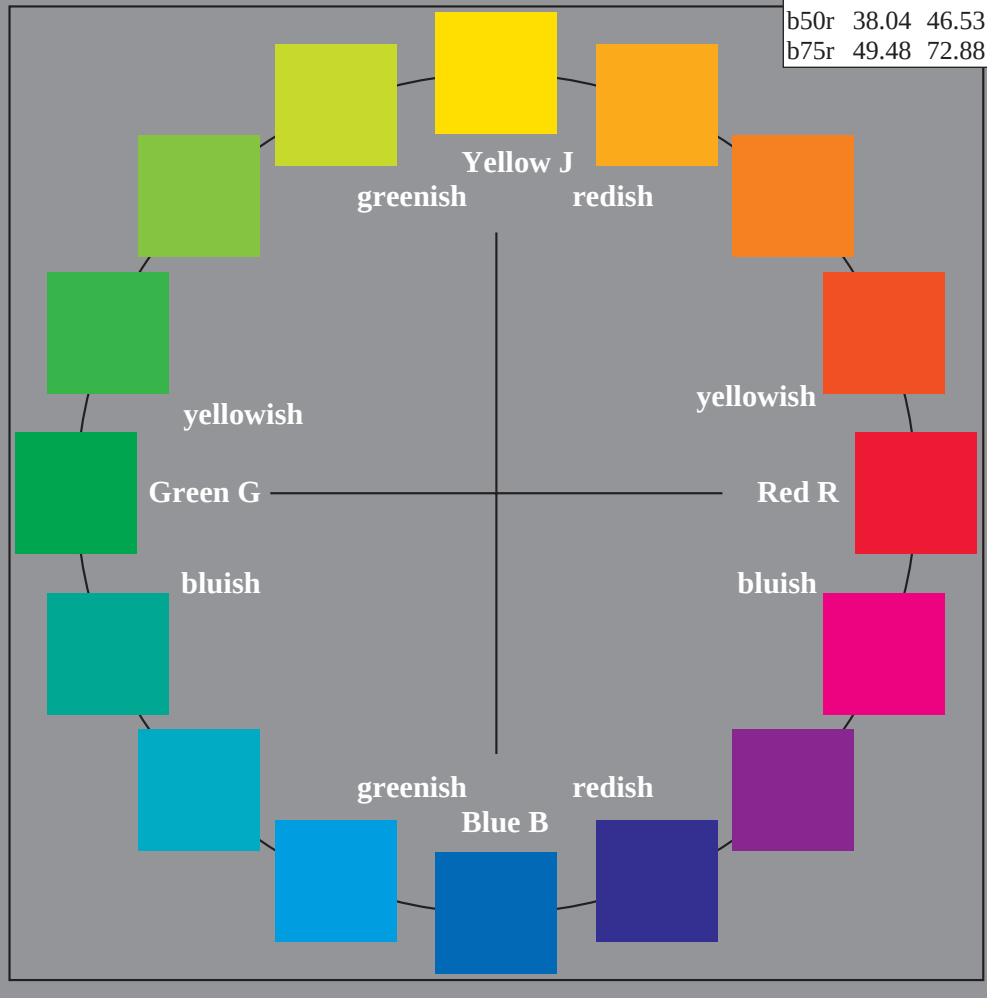
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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

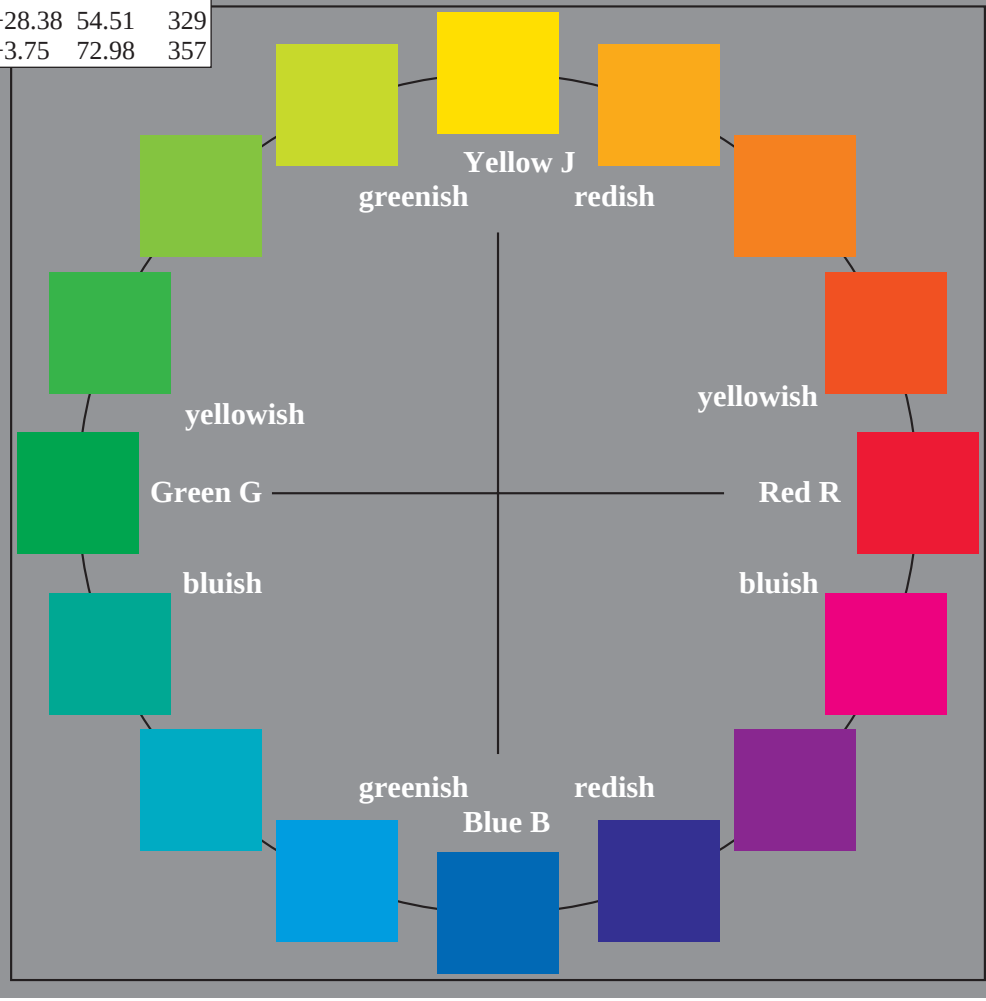


%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

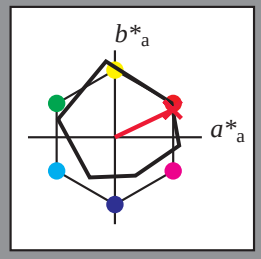
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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 $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$ ***u* = r00j***

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

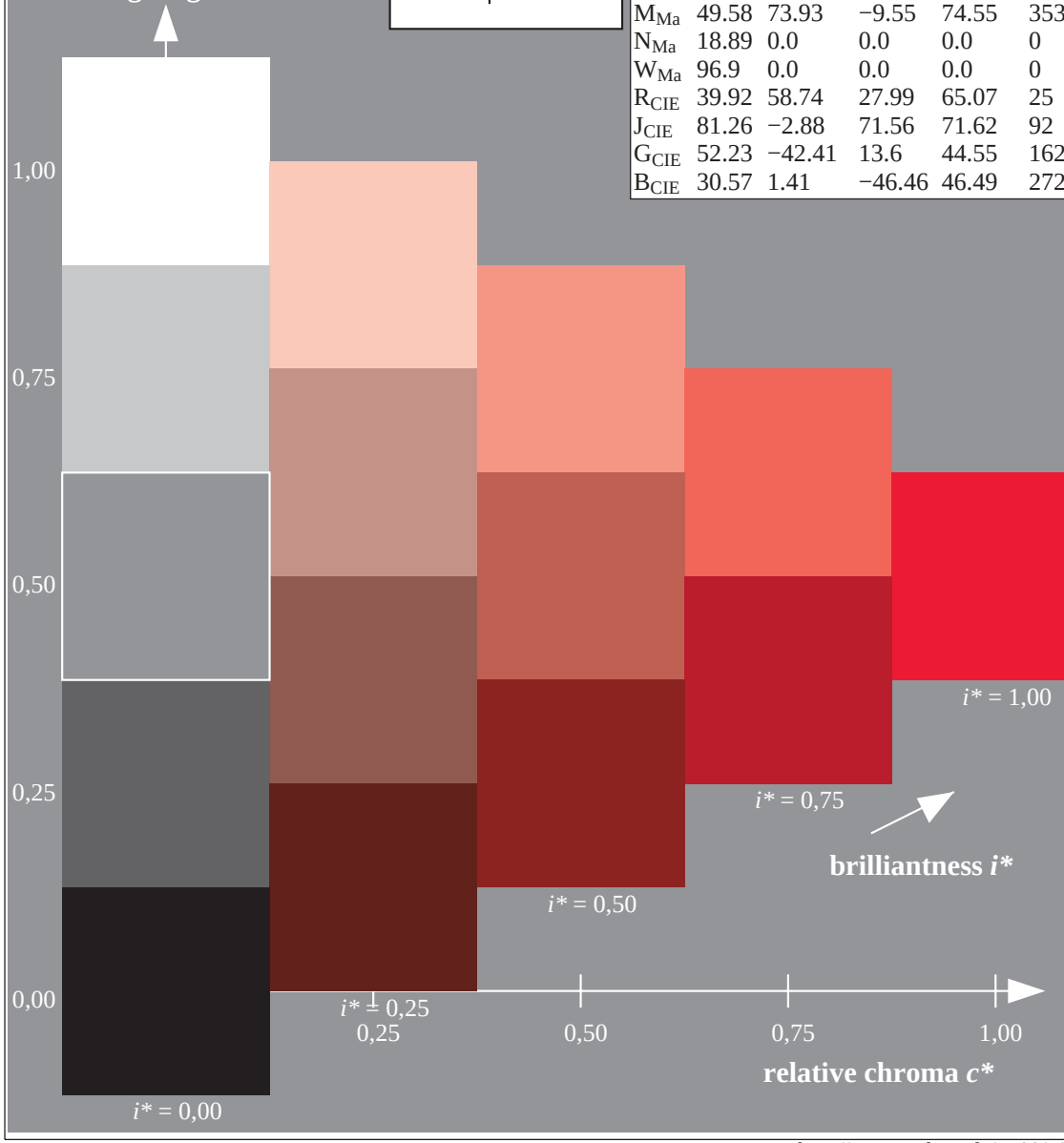
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

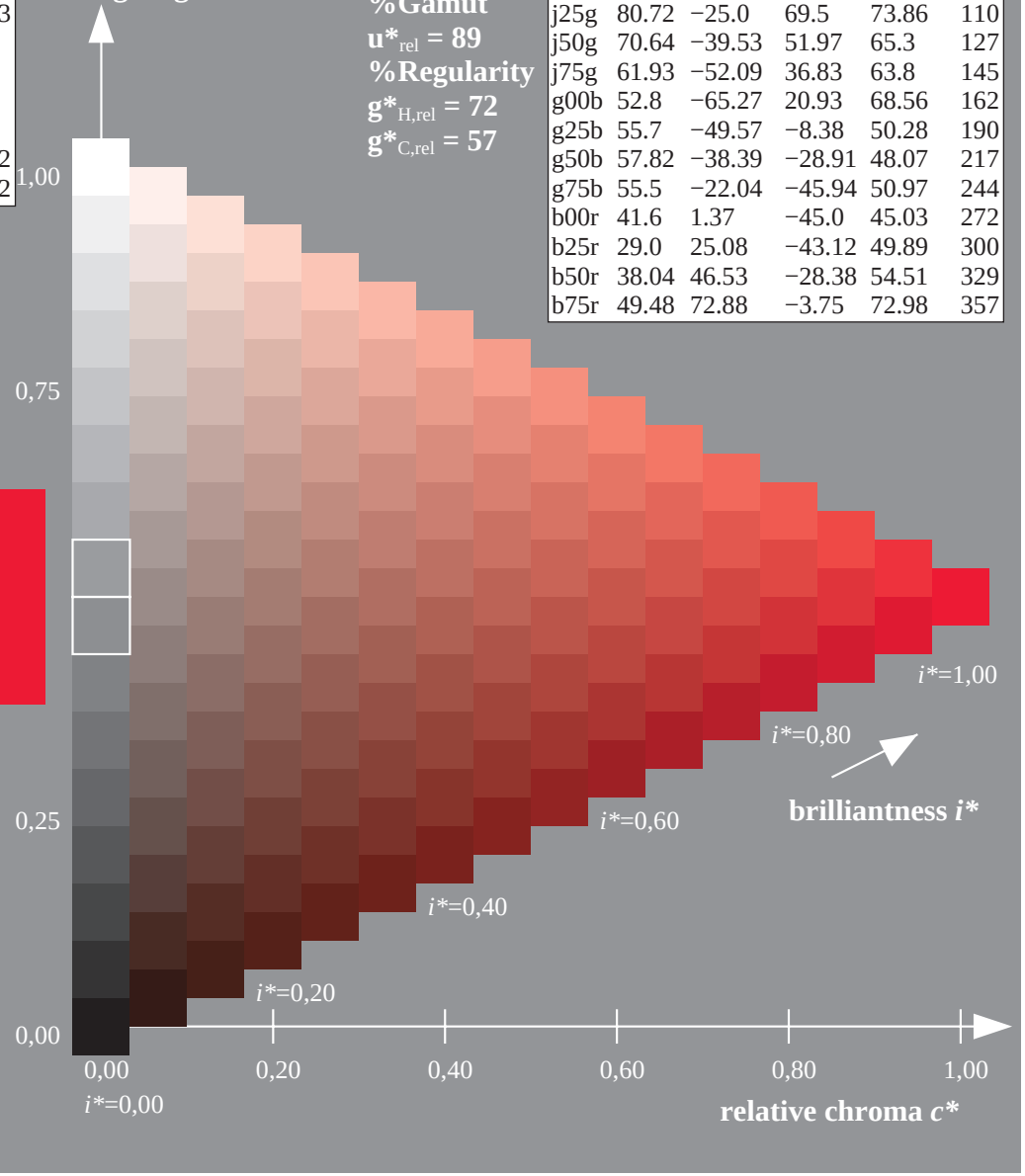
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 49 66 32**
LAB*LCH*$_{Ma}$**: 49 74 25**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.16**
triangle lightness ***t****

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

ORS19_96a; adapted (a) CIELAB data

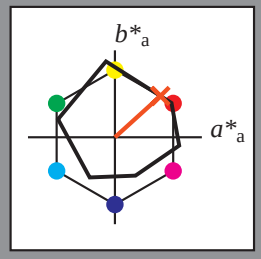
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$ ***u* = r25j***

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

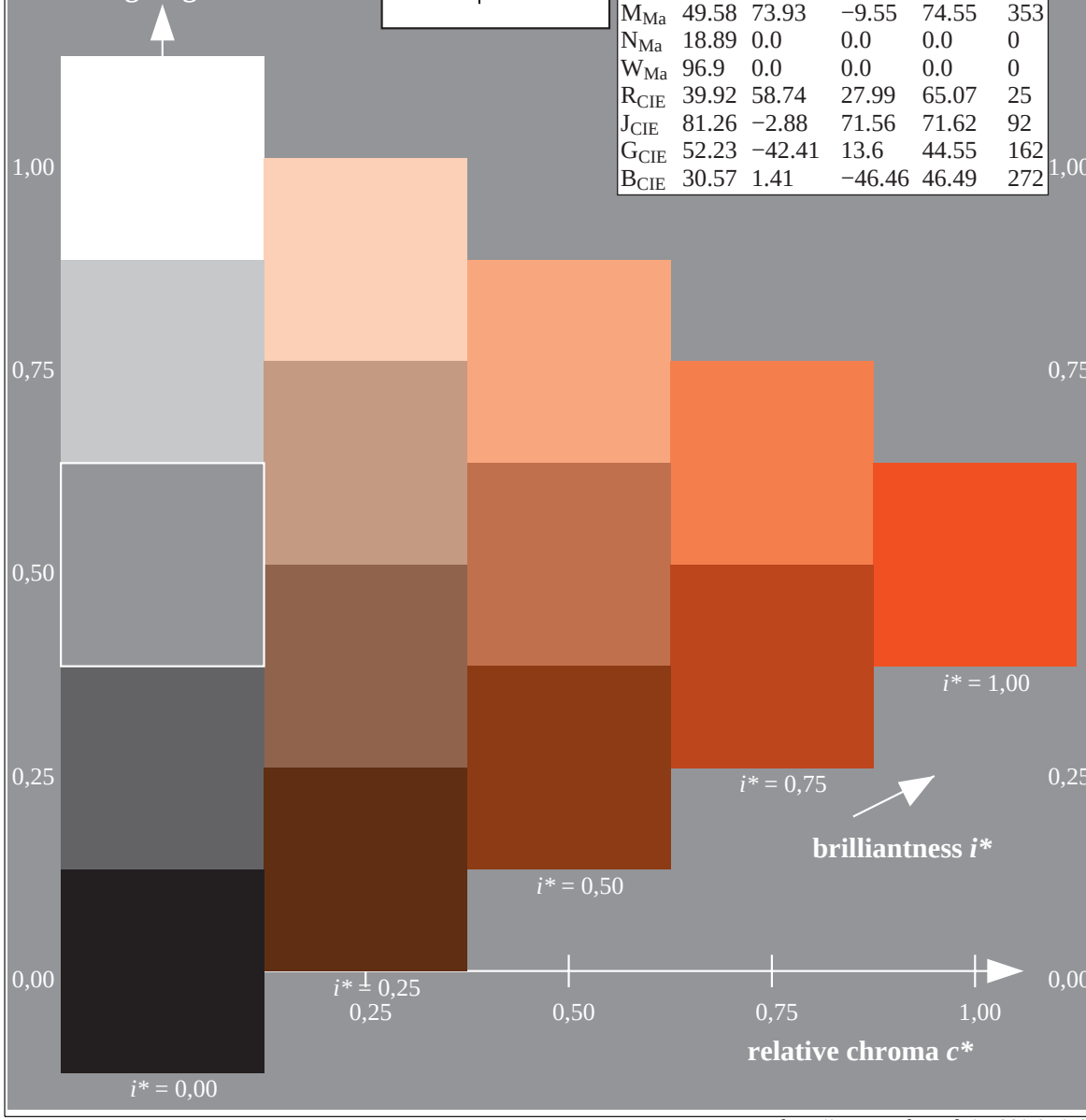
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

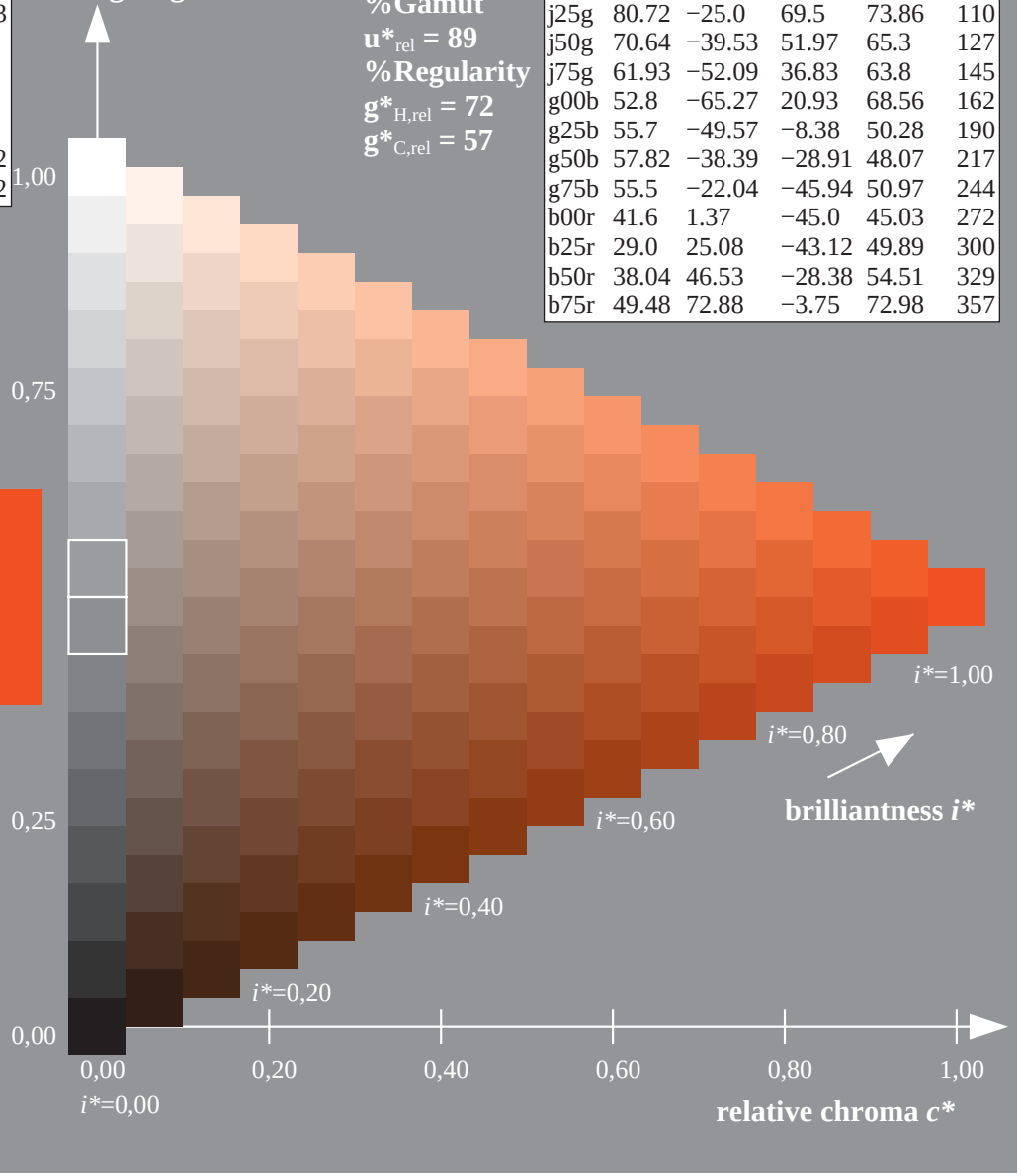
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 56 52 47**
LAB*LCH*$_{Ma}$**: 56 71 42**
lab*rgb*$_{Ma}$**: 1.0 0.25 0.0**
lab*olv*$_{Ma}$**: 1.0 0.17 0.0**
triangle lightness ***t****

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

ORS19_96a; adapted (a) CIELAB data

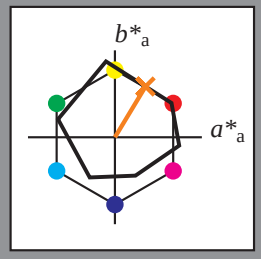
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$ ***u* = r50j***

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

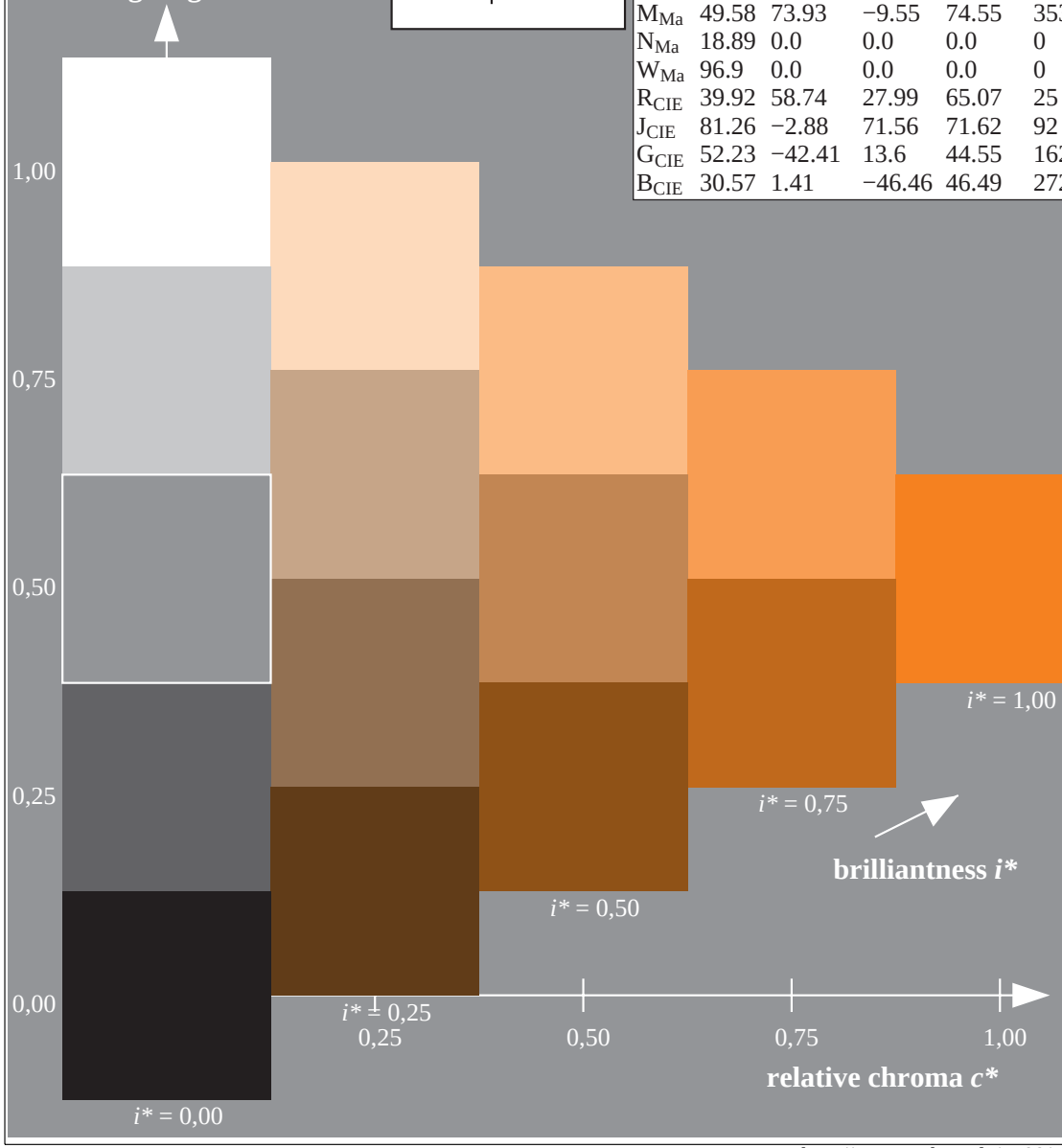
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

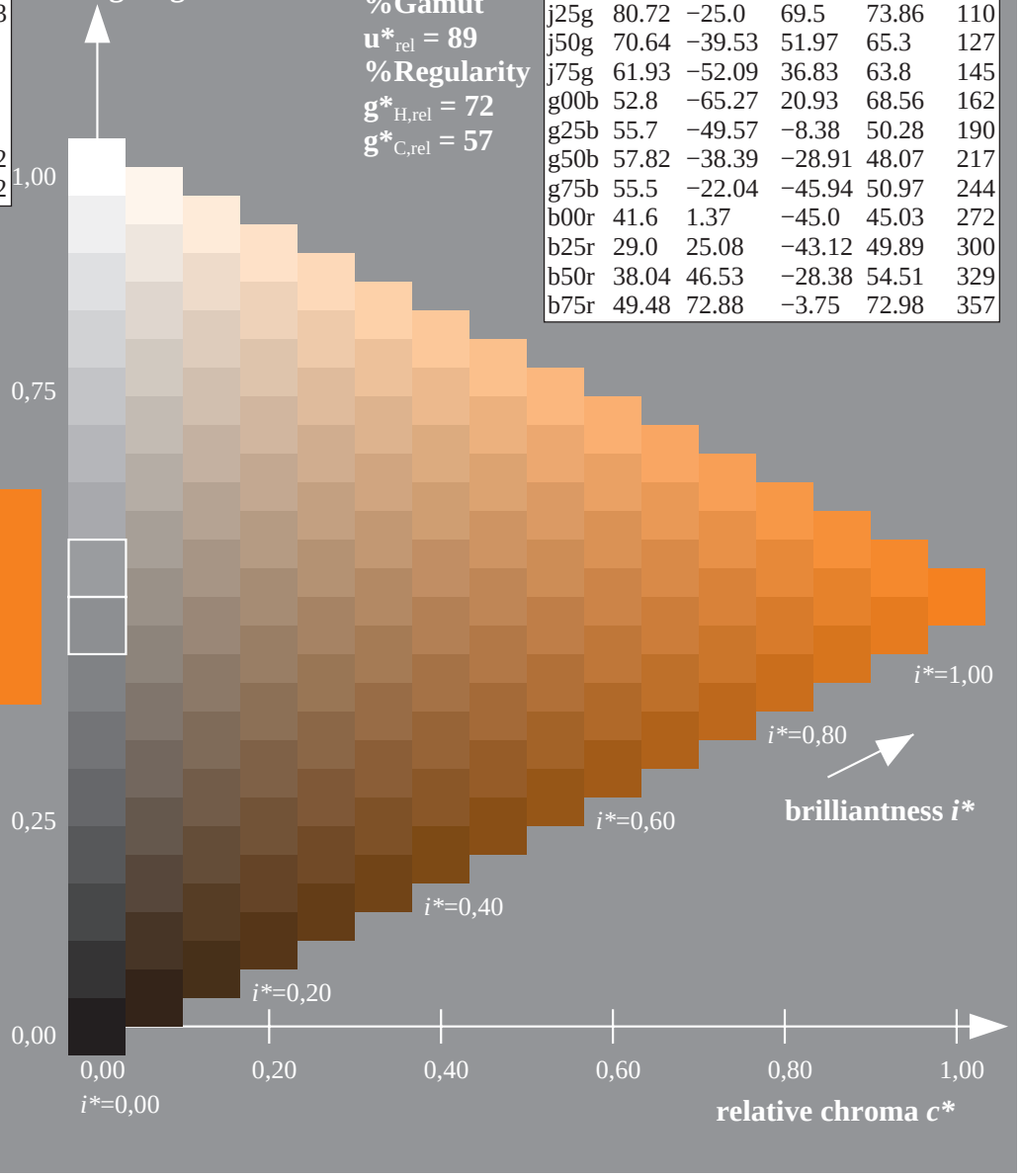
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 65 35 58**
LAB*LCH*$_{Ma}$**: 65 68 59**
lab*rgb*$_{Ma}$**: 1.0 0.5 0.0**
lab*olv*$_{Ma}$**: 1.0 0.4 0.0**
triangle lightness ***t****

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

ORS19_96a; adapted (a) CIELAB data

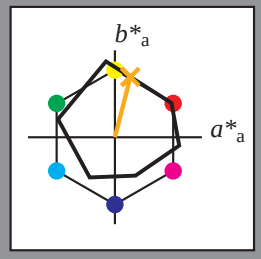
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$ ***u* = r75j***

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

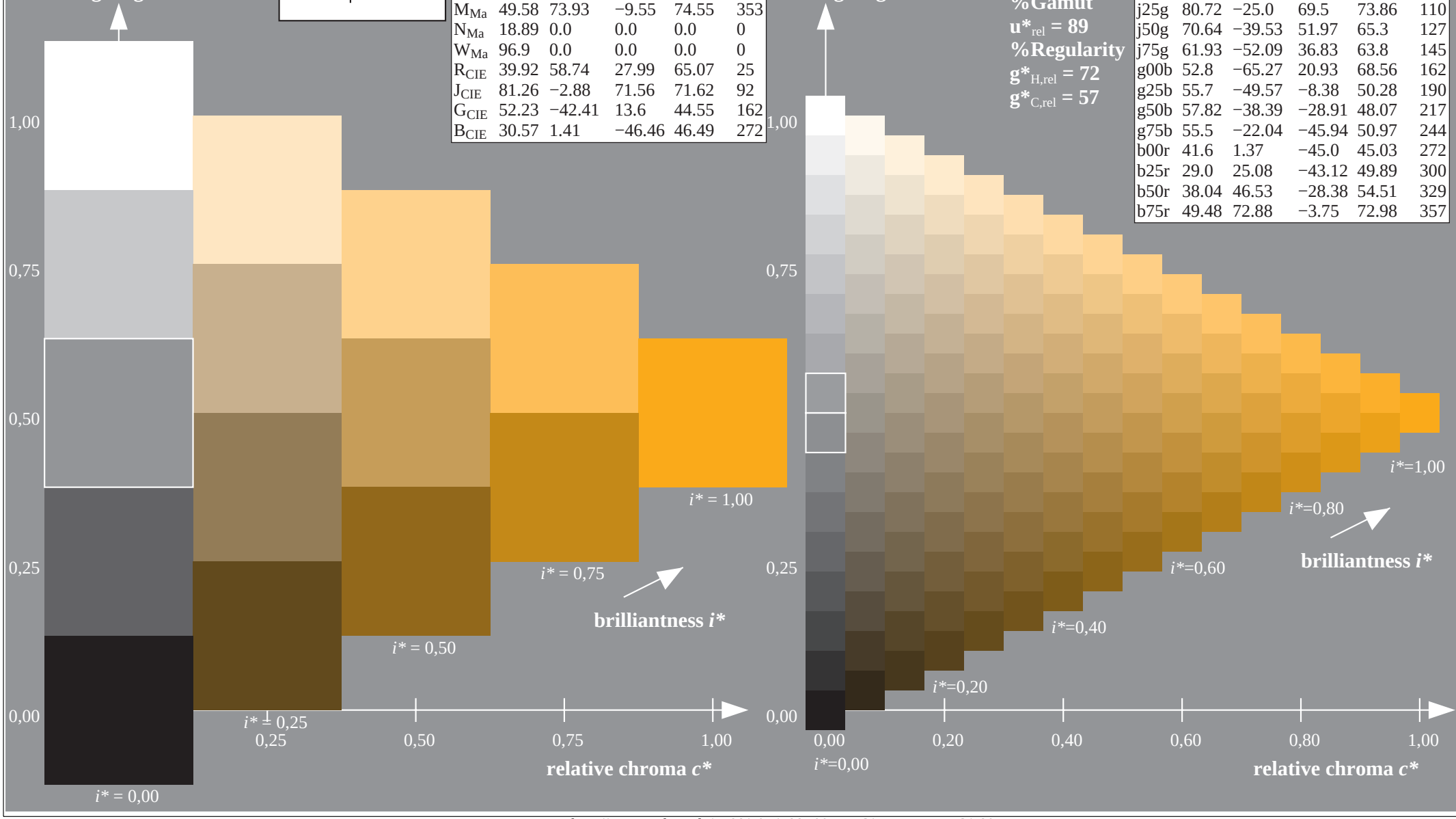
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

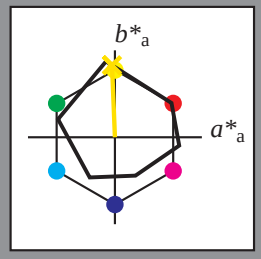
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$ ***u* = j00g***

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

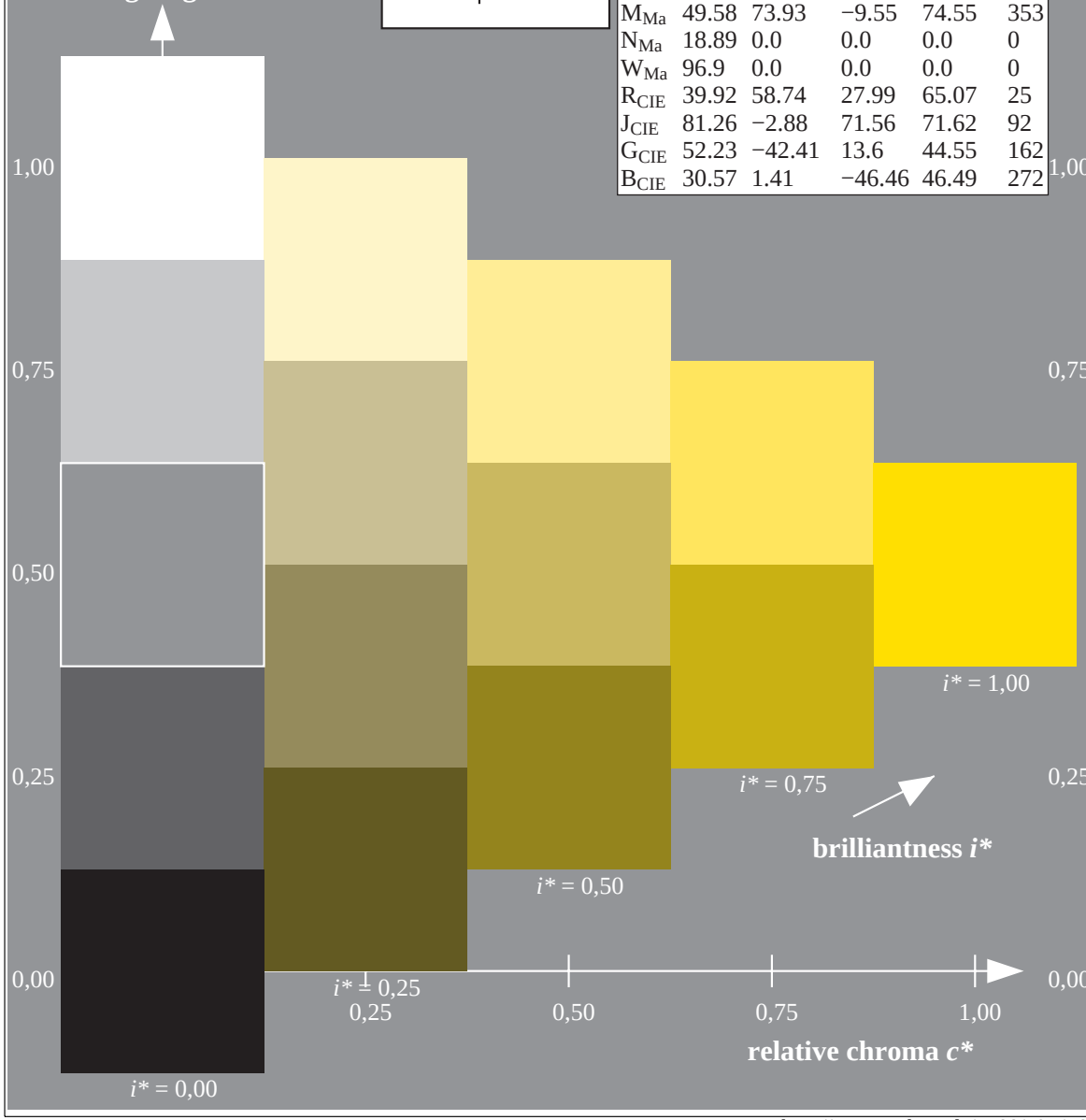
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

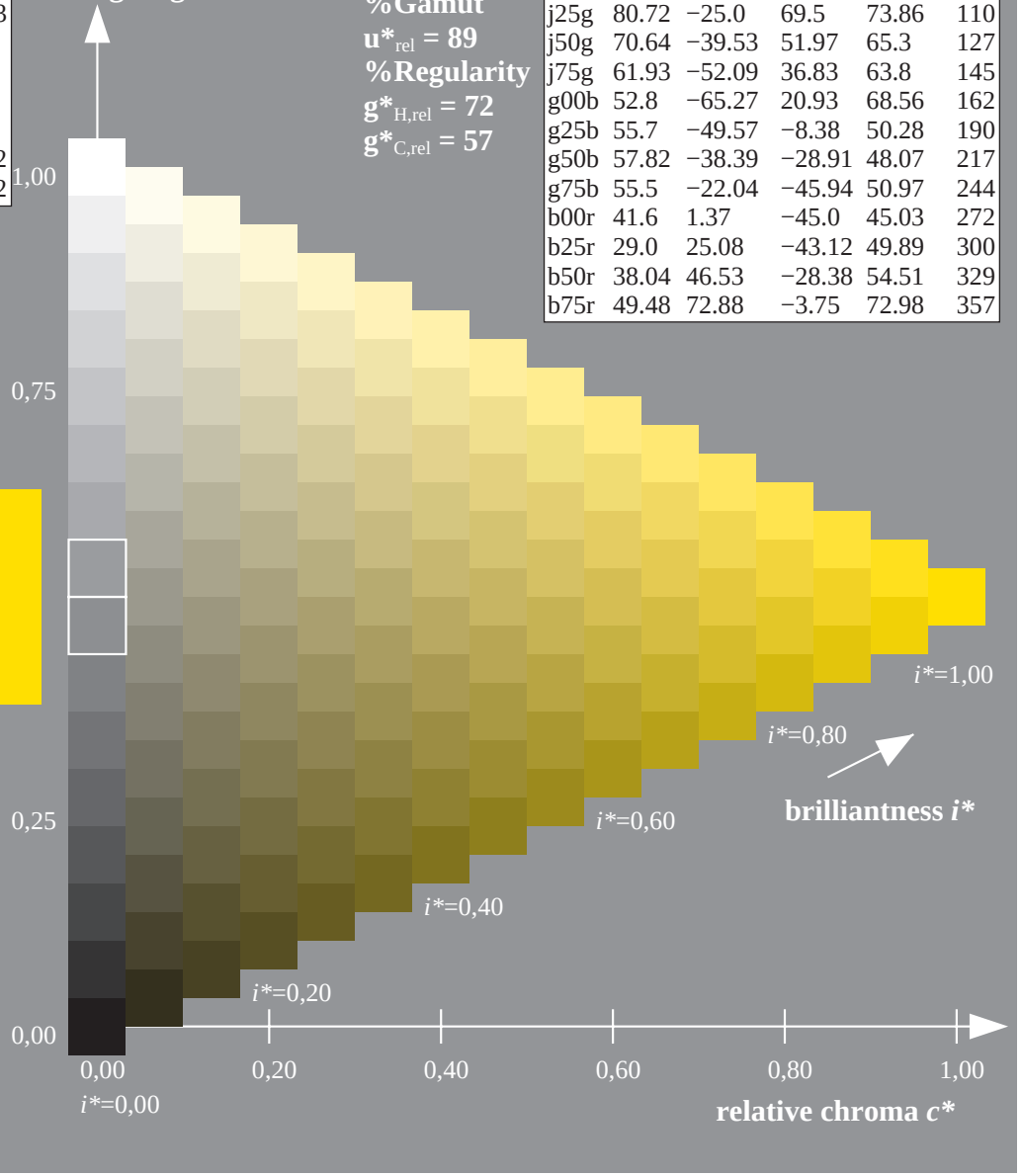
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 87 −2 83**
LAB*LCH*$_{Ma}$**: 87 83 92**
lab*rgb*$_{Ma}$**: 1.0 1.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.91 0.0**
triangle lightness ***t****

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

ORS19_96a; adapted (a) CIELAB data

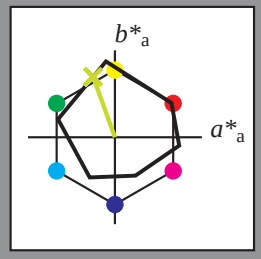
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$ ***u* = j25g***

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

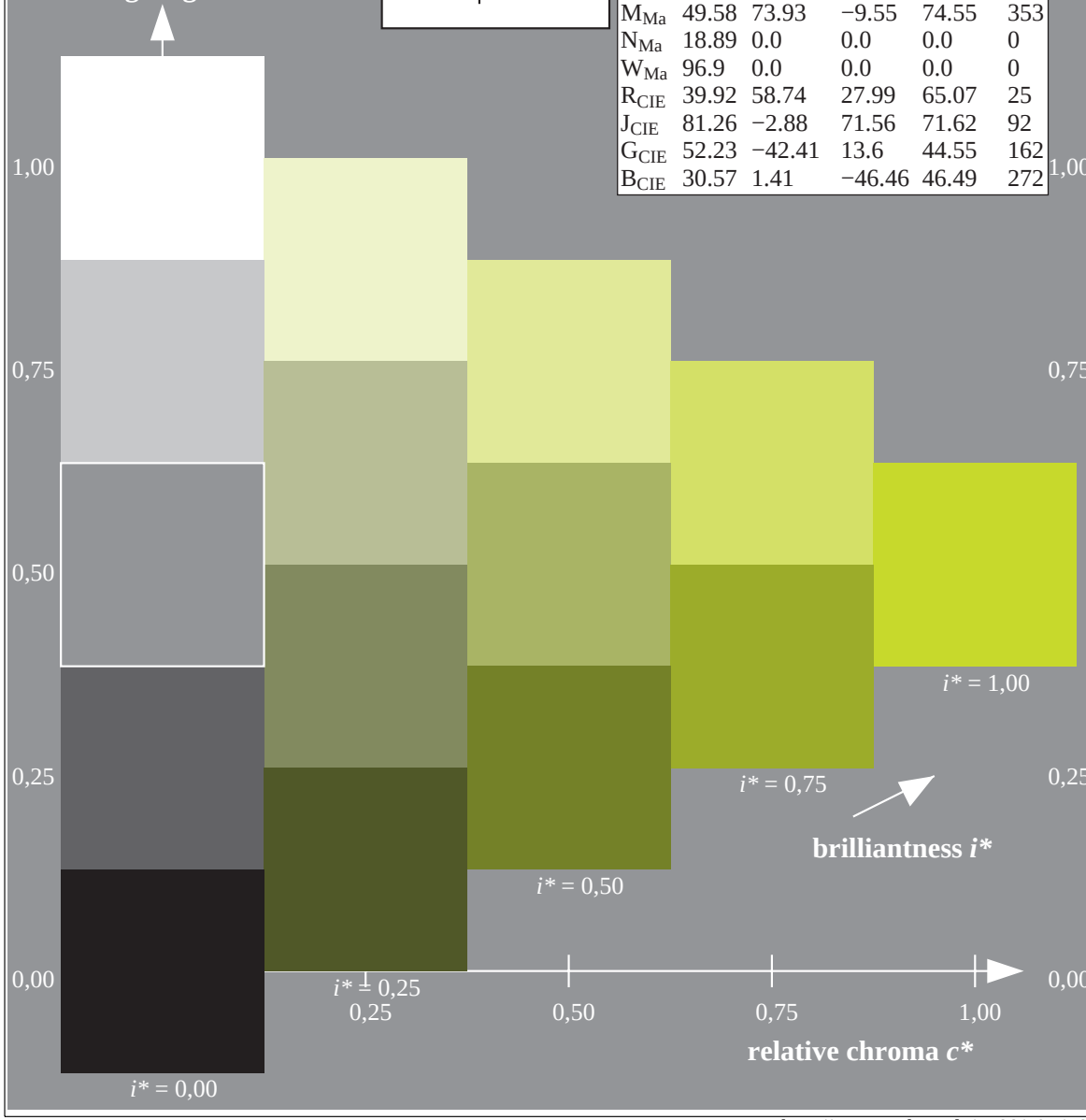
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

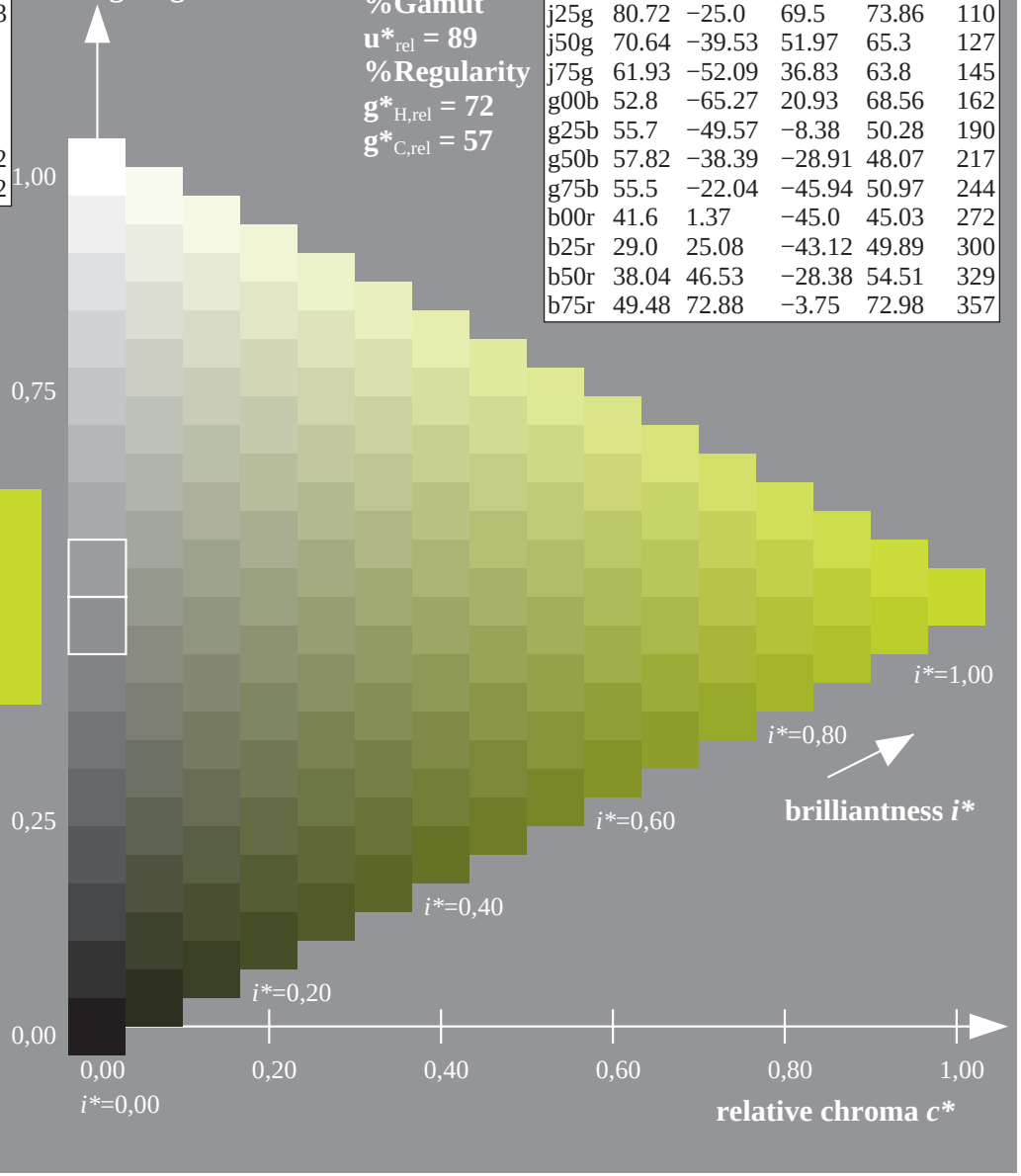
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 81 −24 69**
LAB*LCH*$_{Ma}$**: 81 74 110**
lab*rgb*$_{Ma}$**: 0.75 1.0 0.0**
lab*olv*$_{Ma}$**: 0.73 1.0 0.0**
triangle lightness ***t****

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

ORS19_96a; adapted (a) CIELAB data

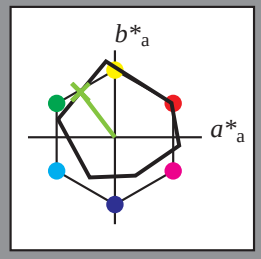
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$ ***u* = j50g***

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

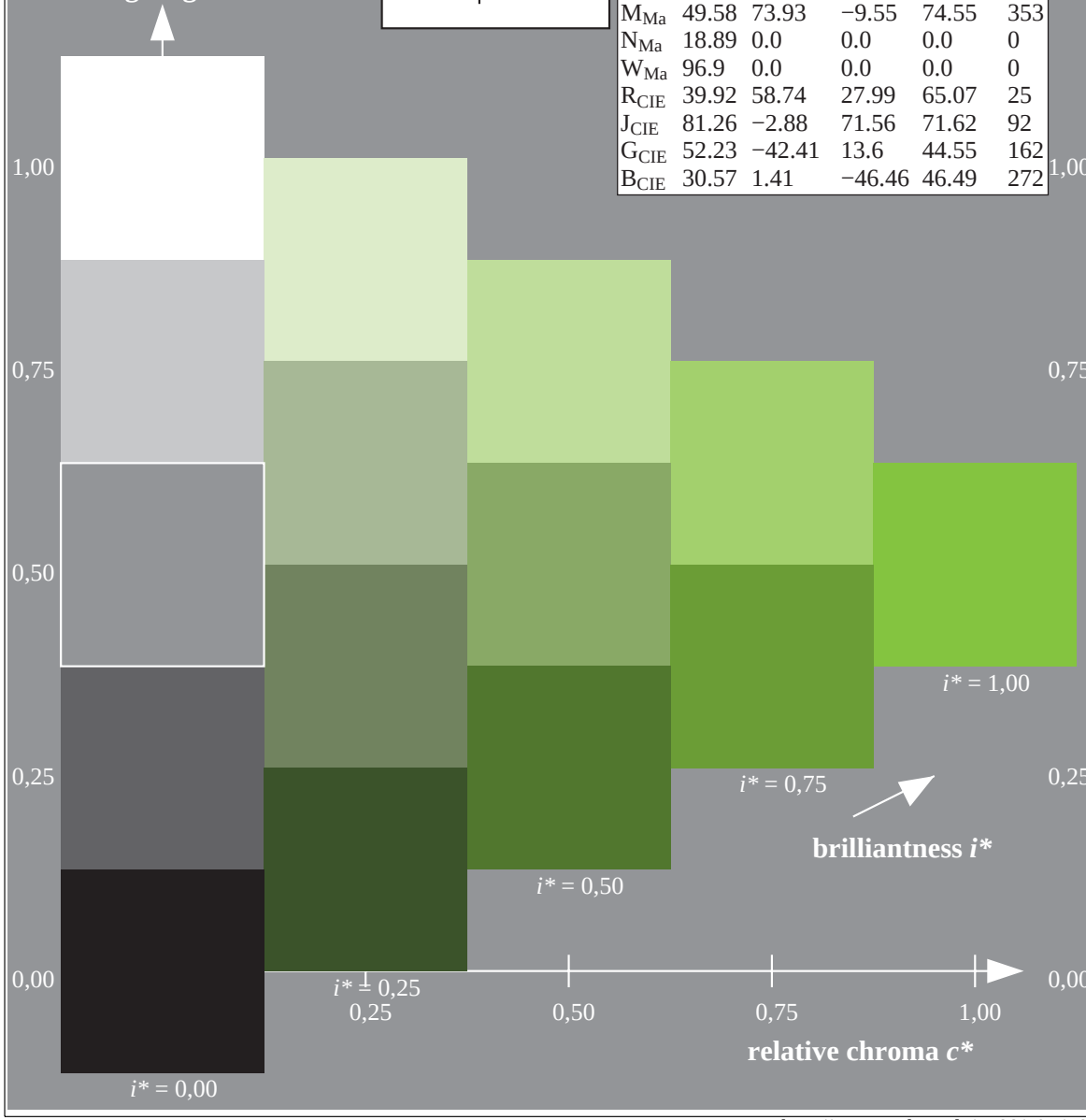
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

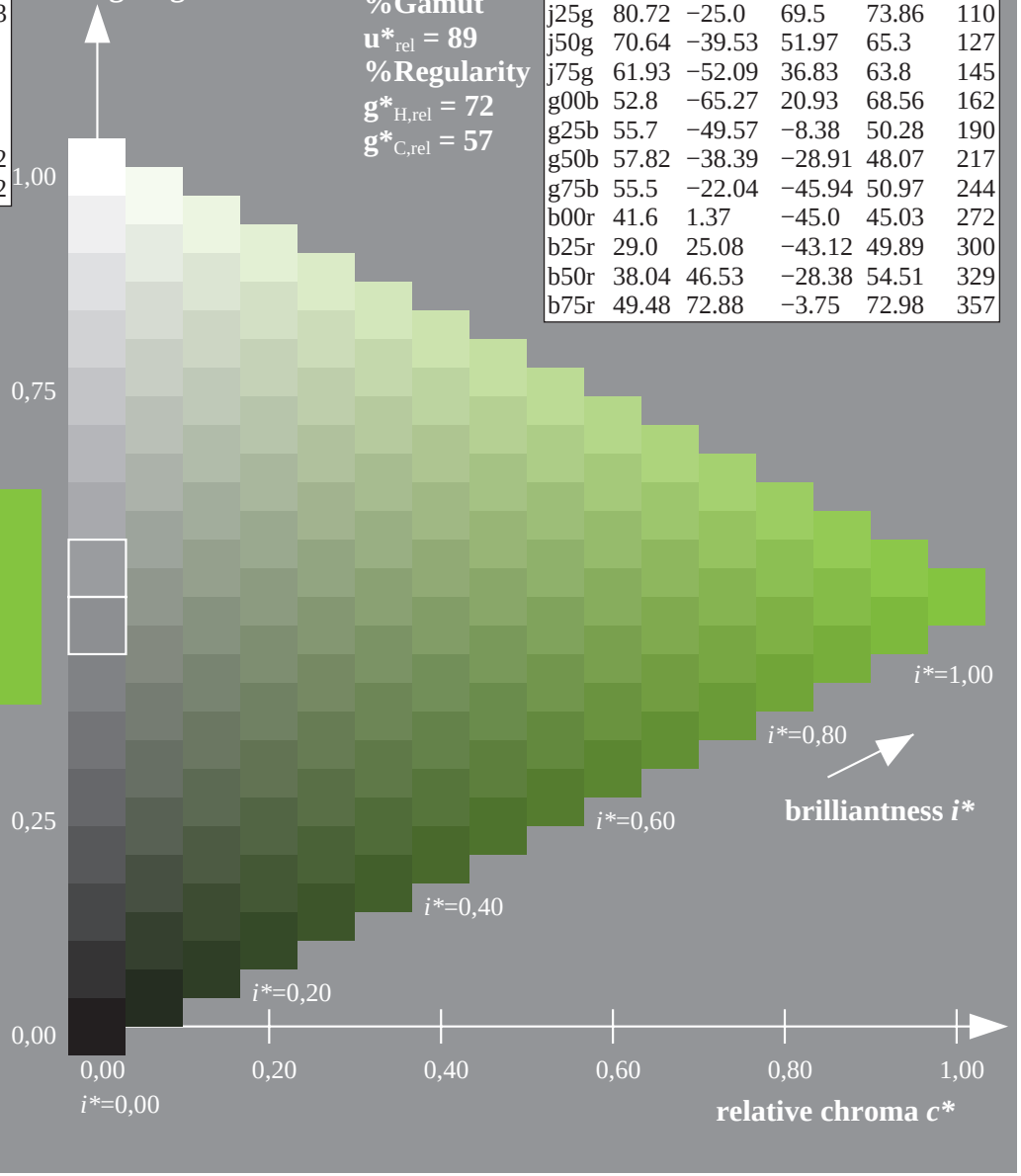
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 71 −39 52**
LAB*LCH*$_{Ma}$**: 71 65 127**
lab*rgb*$_{Ma}$**: 0.5 1.0 0.0**
lab*olv*$_{Ma}$**: 0.47 1.0 0.0**
triangle lightness ***t****

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

ORS19_96a; adapted (a) CIELAB data

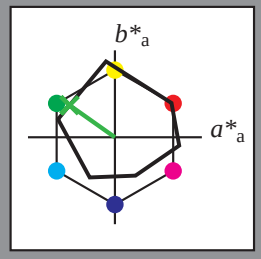
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$ ***u* = j75g***

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

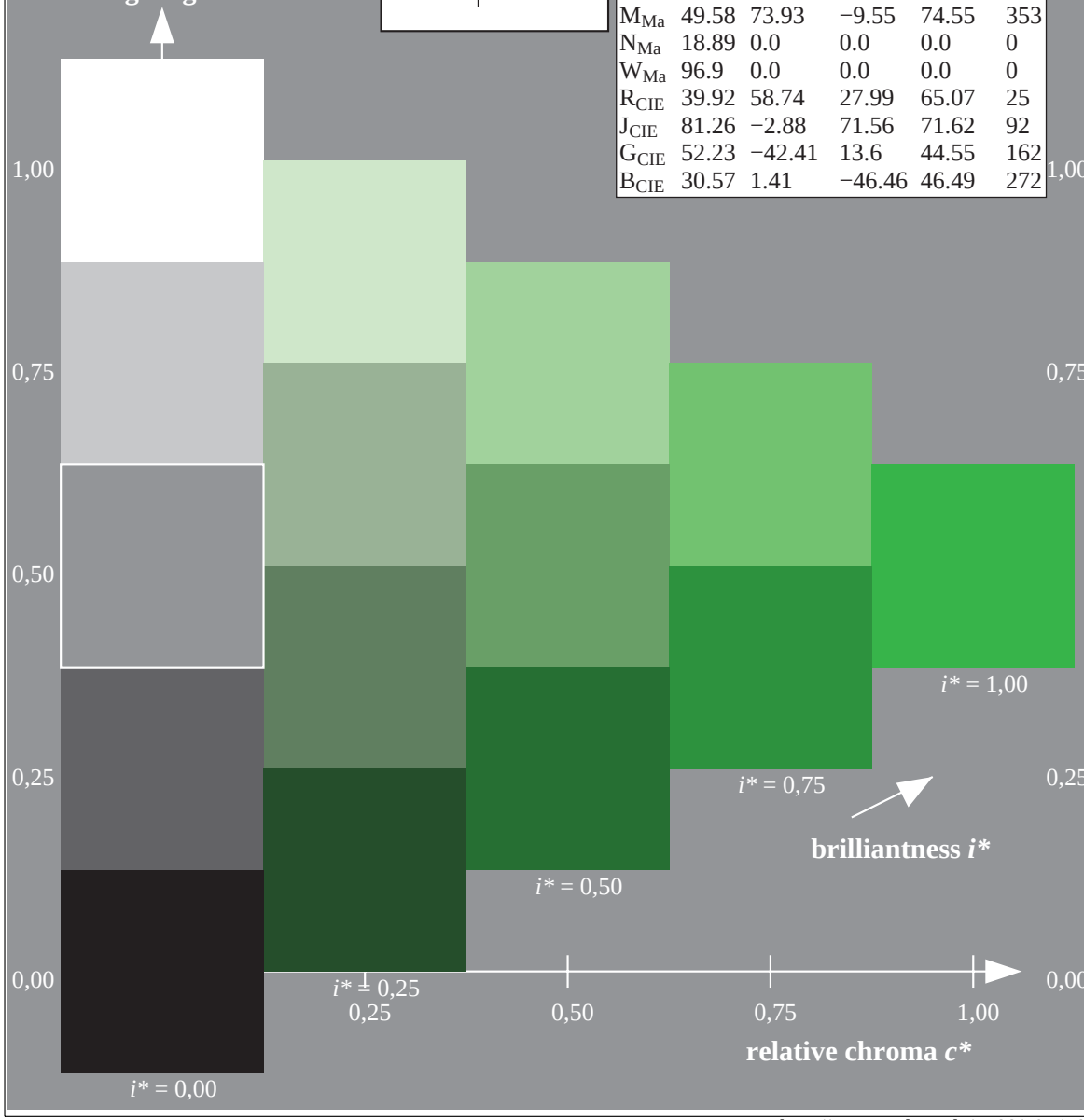
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

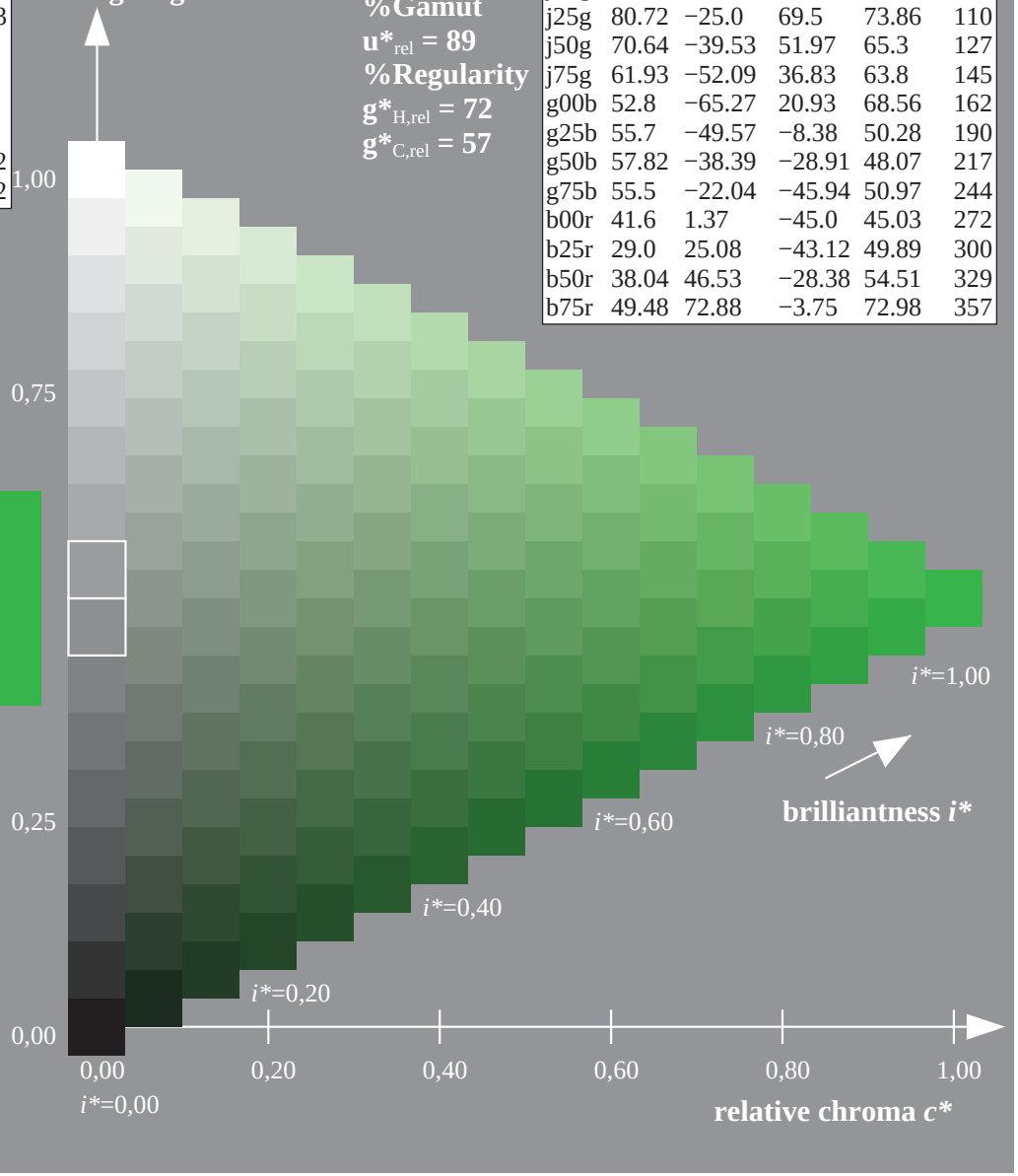
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 62 −51 37**
LAB*LCH*$_{Ma}$**: 62 64 145**
lab*rgb*$_{Ma}$**: 0.25 1.0 0.0**
lab*olv*$_{Ma}$**: 0.24 1.0 0.0**
triangle lightness ***t****

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

ORS19_96a; adapted (a) CIELAB data

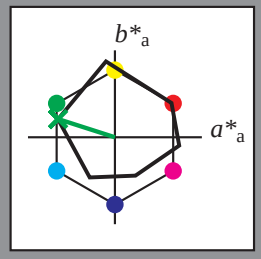
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$ ***u* = g00b***

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

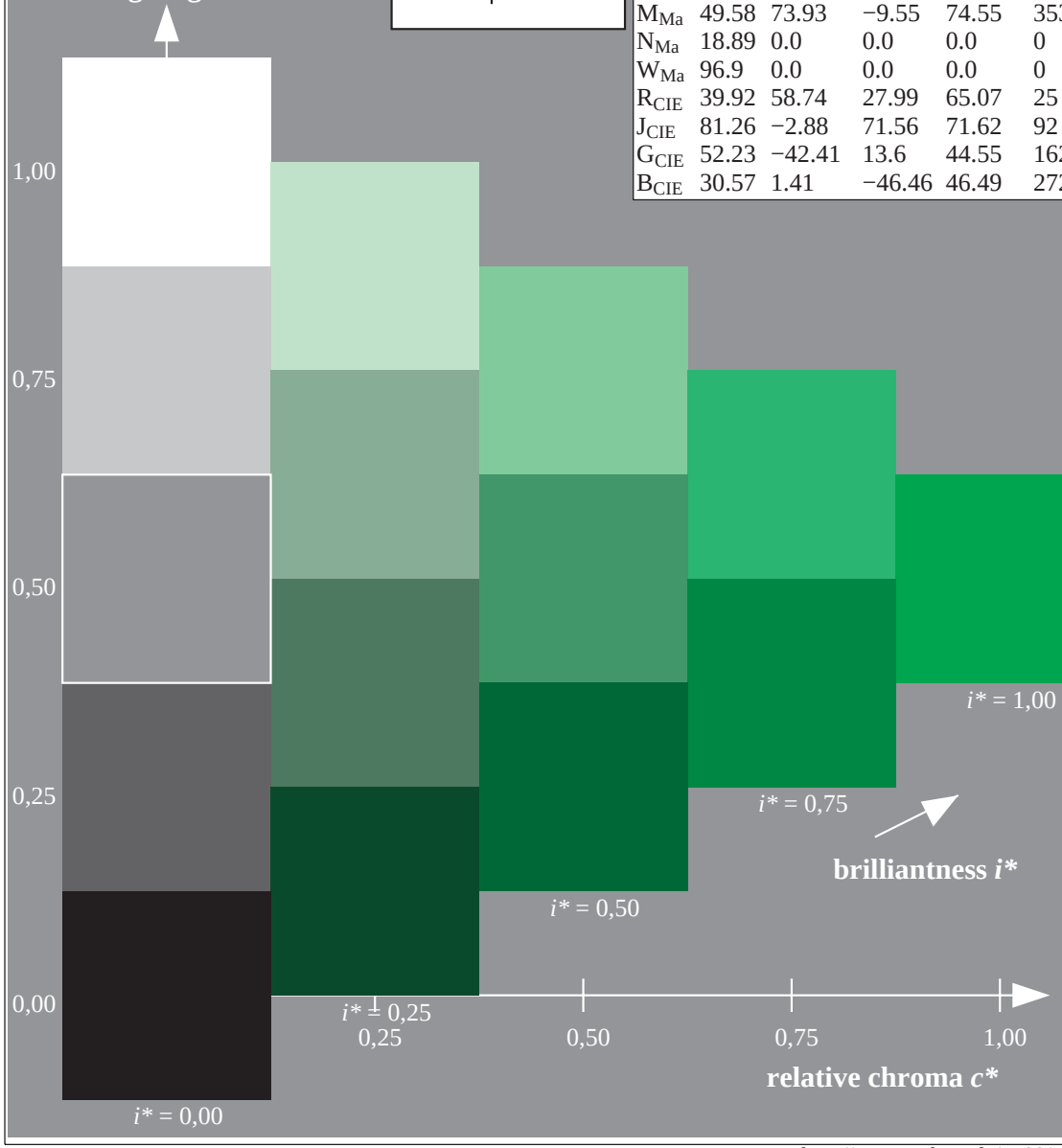
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

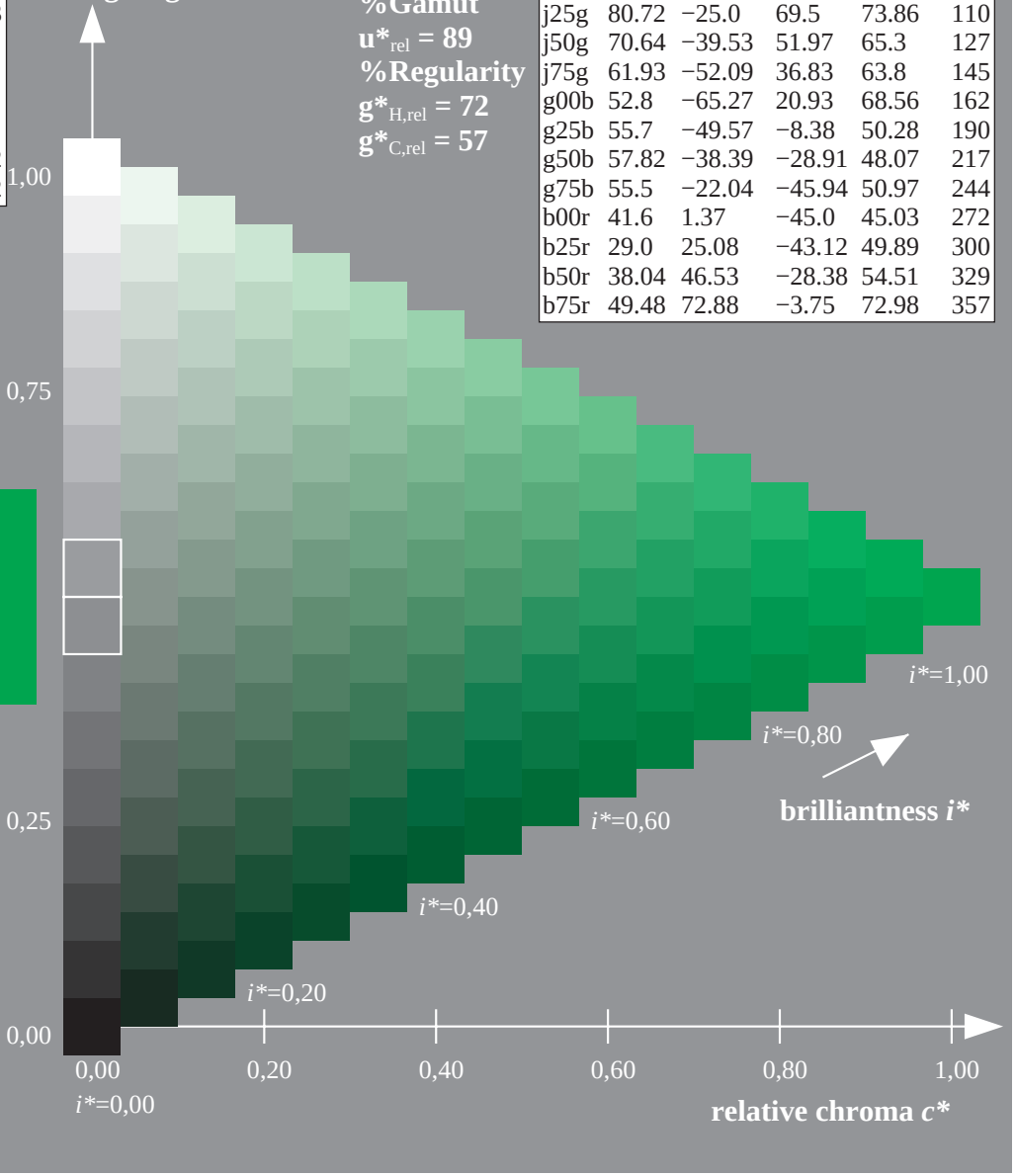
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 53 −64 21**
LAB*LCH*$_{Ma}$**: 53 69 162**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.0**
triangle lightness ***t****

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

ORS19_96a; adapted (a) CIELAB data

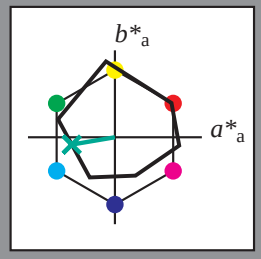
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$ ***u* = g25b***

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

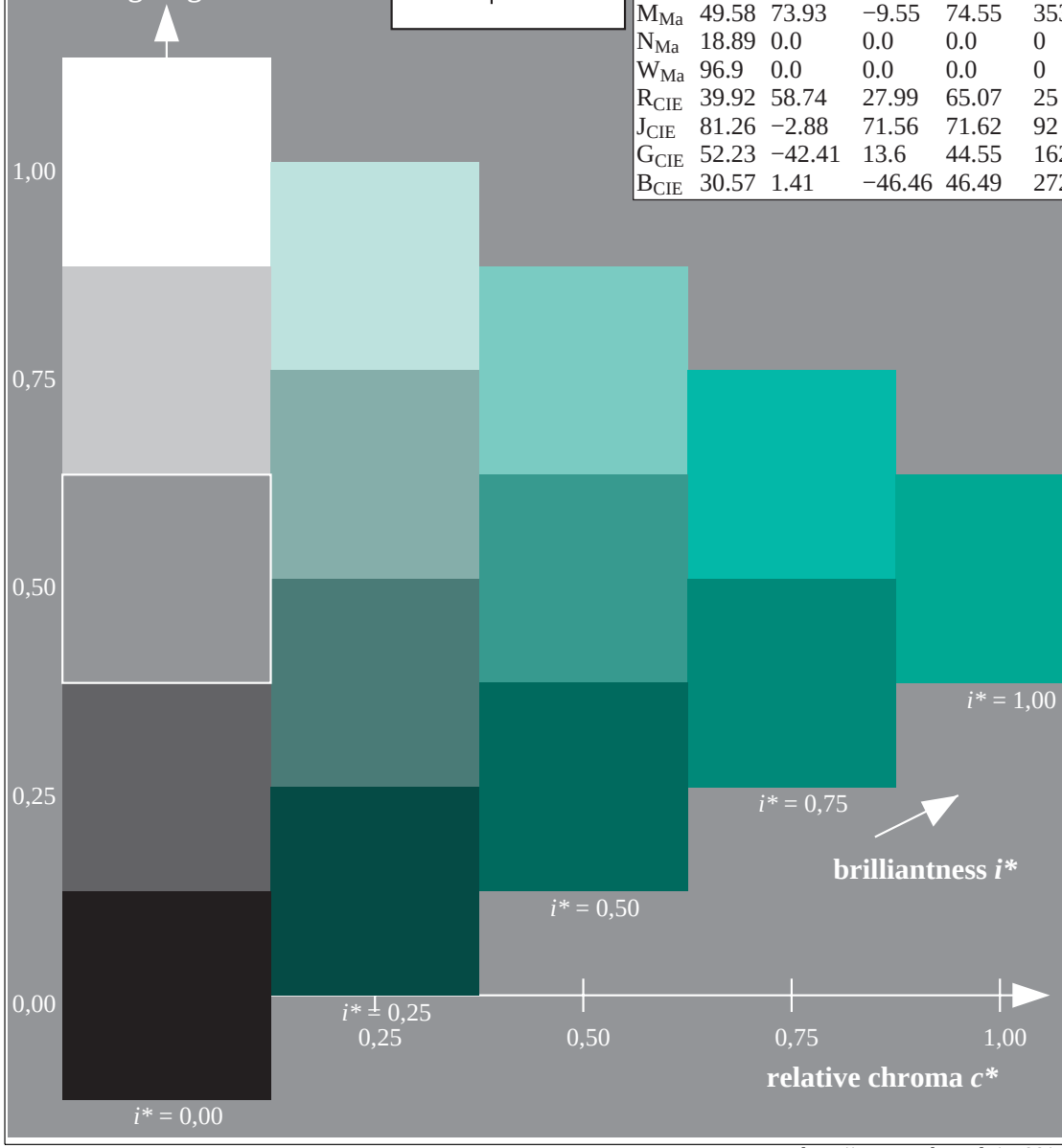
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

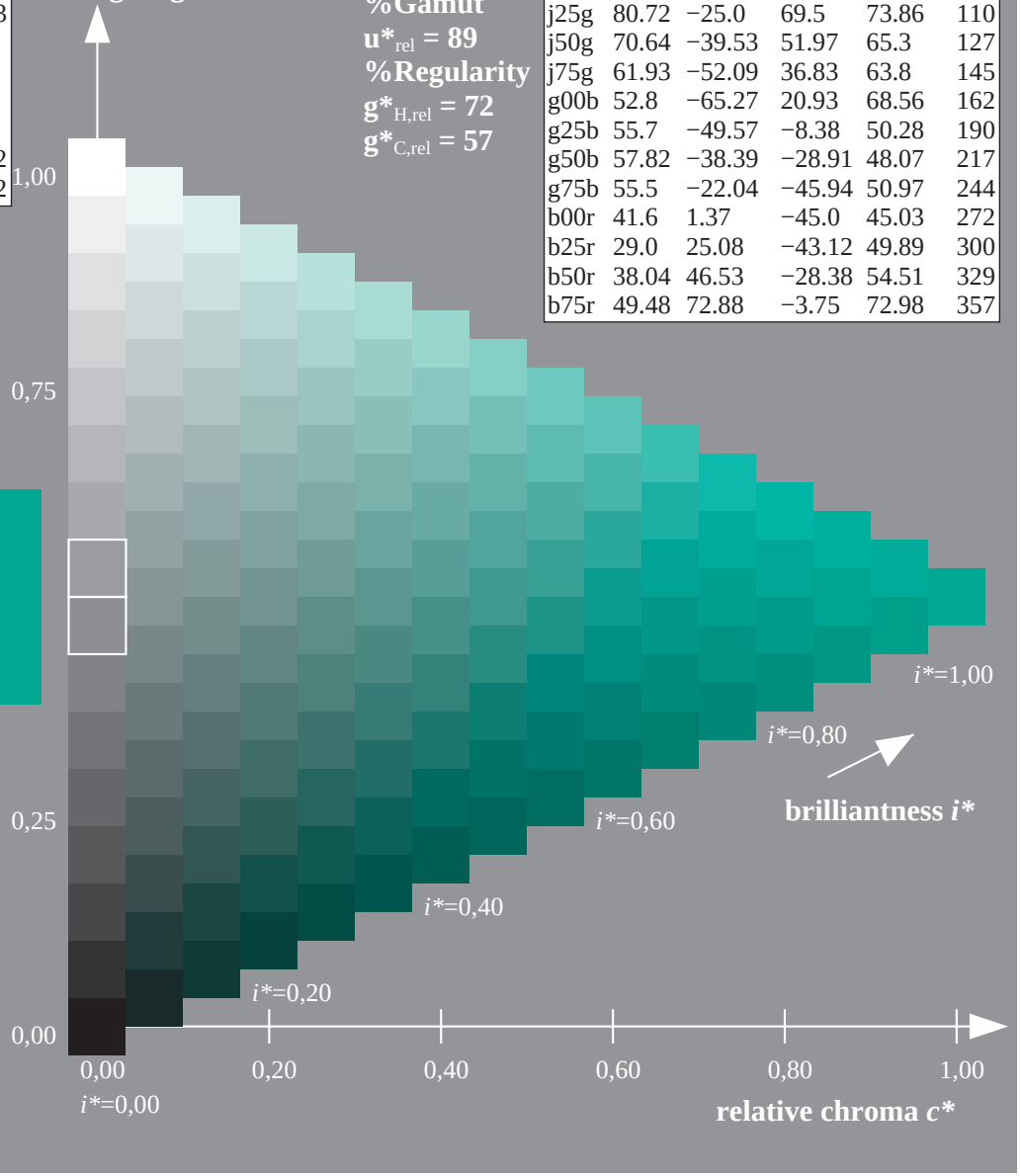
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 56 −49 −7**
LAB*LCH*$_{Ma}$**: 56 50 190**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.5**
lab*olv*$_{Ma}$**: 0.0 1.0 0.44**
triangle lightness ***t****

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

ORS19_96a; adapted (a) CIELAB data

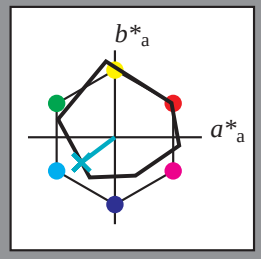
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$ ***u* = g50b***

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

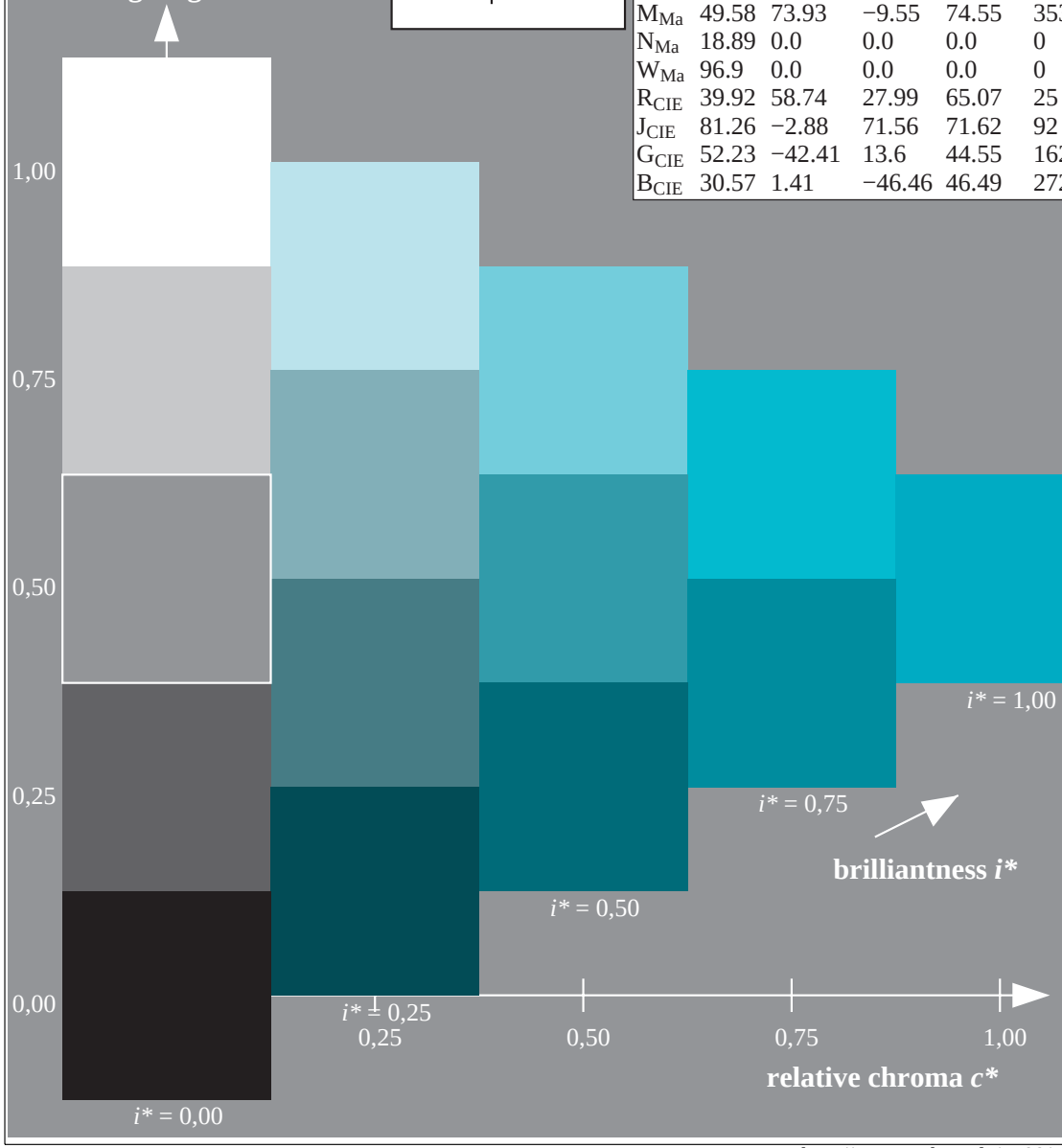
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

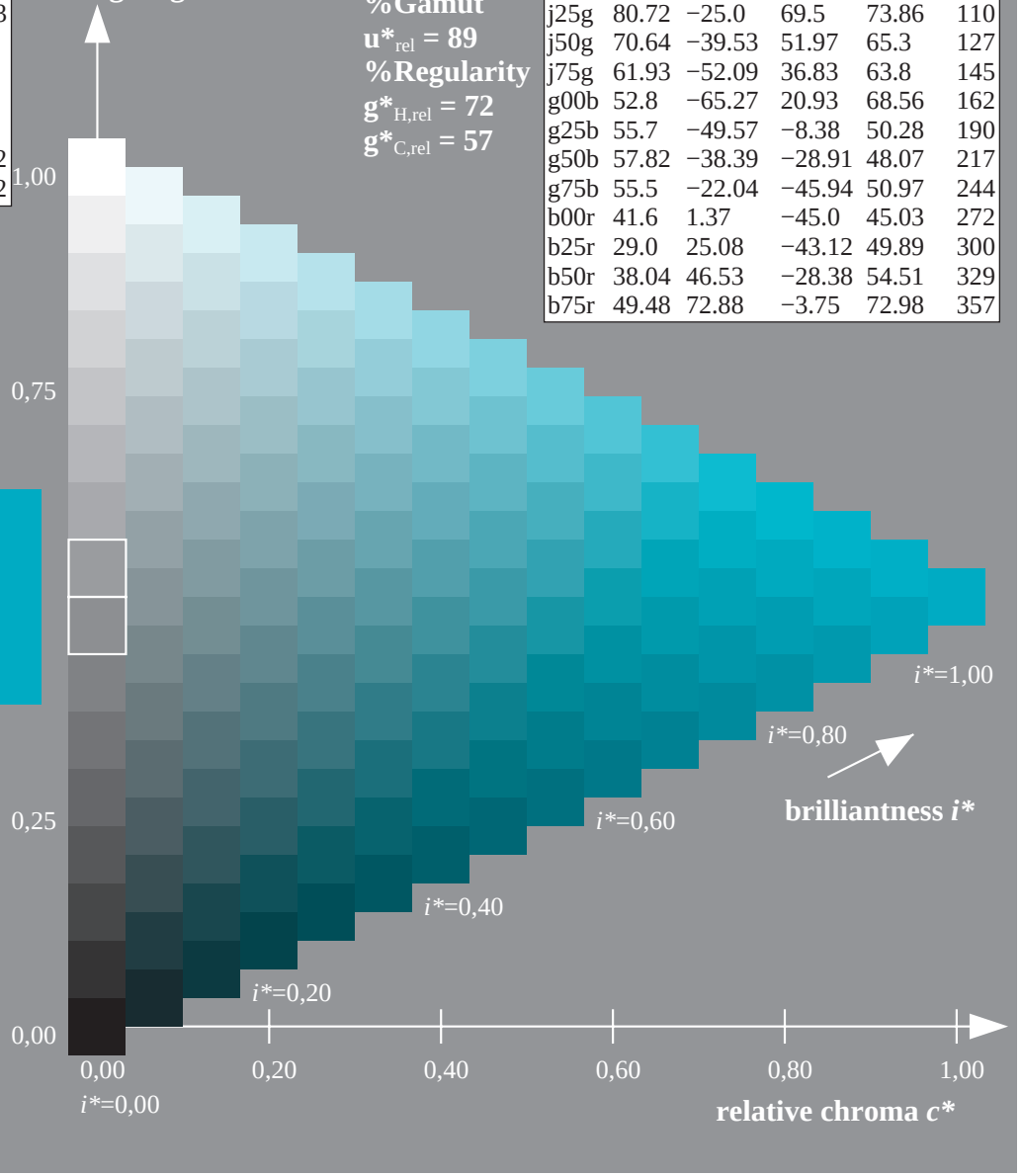
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 58 −37 −28**
LAB*LCH*$_{Ma}$**: 58 48 217**
lab*rgb*$_{Ma}$**: 0.0 1.0 1.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.74**
triangle lightness ***t****

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

ORS19_96a; adapted (a) CIELAB data

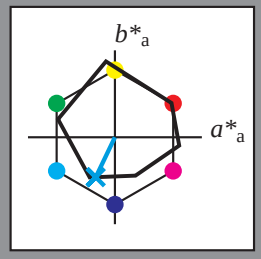
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$ ***u* = g75b***

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

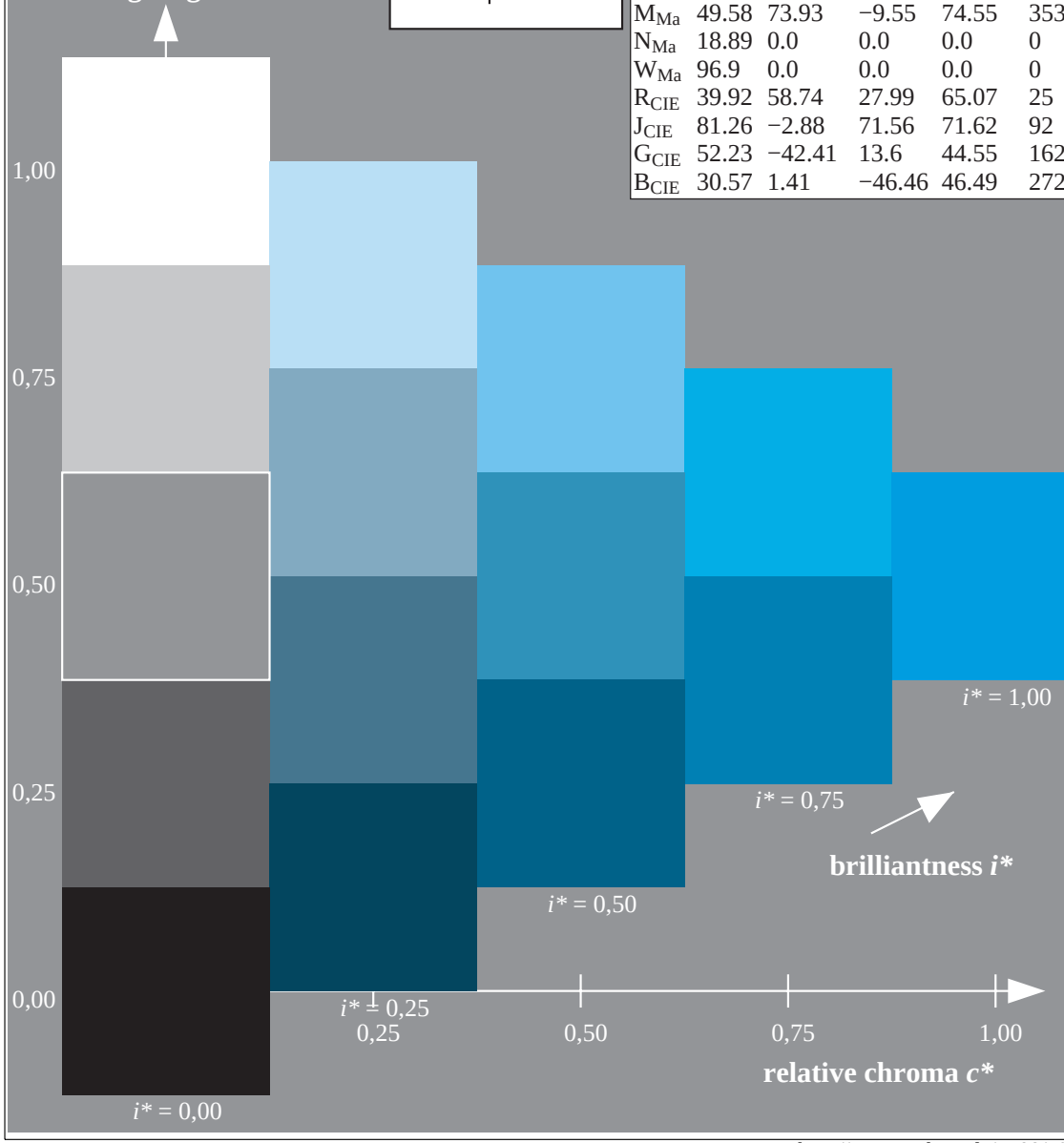
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

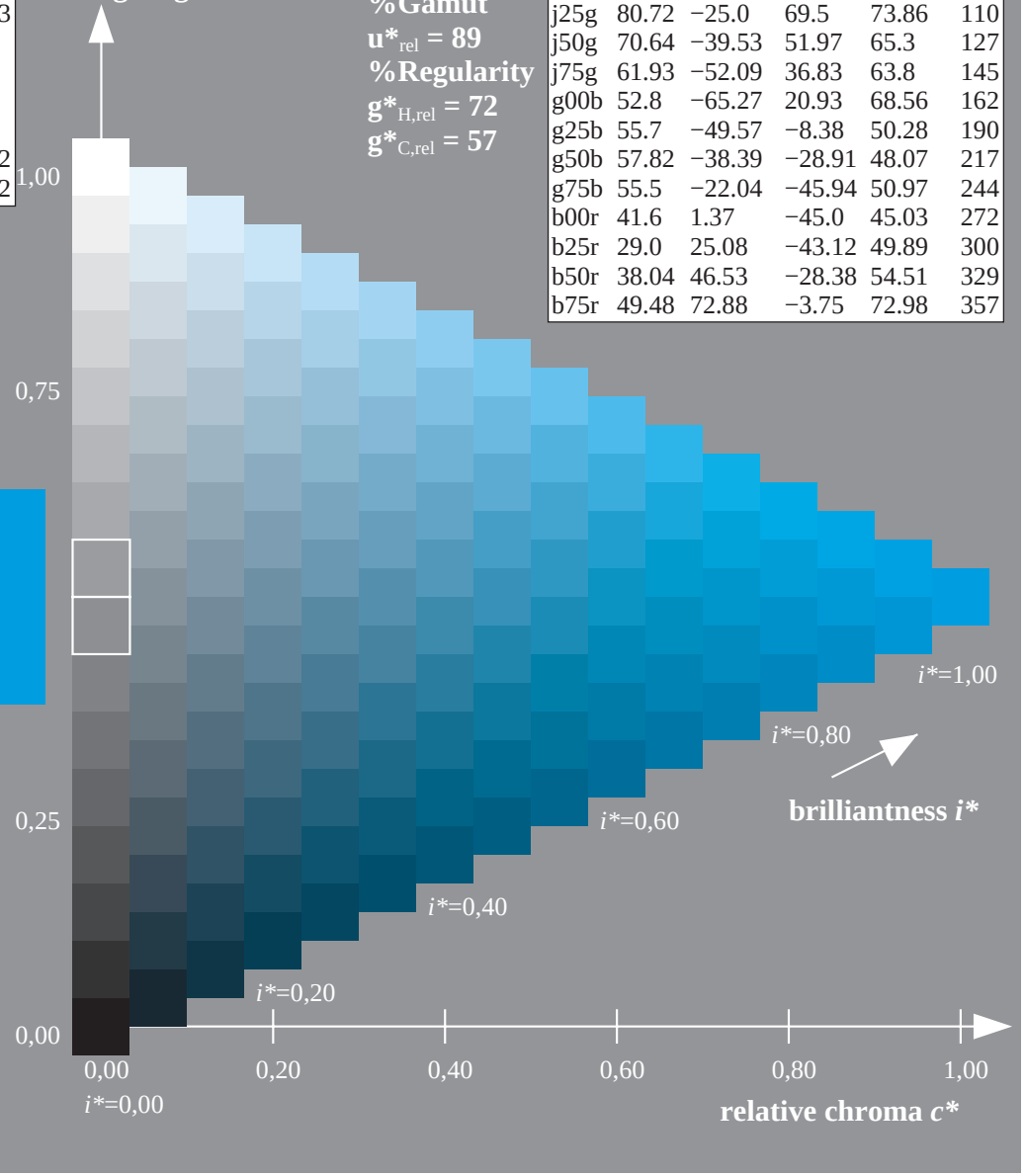
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 55 −21 −45**
LAB*LCH*$_{Ma}$**: 55 51 244**
lab*rgb*$_{Ma}$**: 0.0 0.5 1.0**
lab*olv*$_{Ma}$**: 0.0 0.87 1.0**
triangle lightness ***t****

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

ORS19_96a; adapted (a) CIELAB data

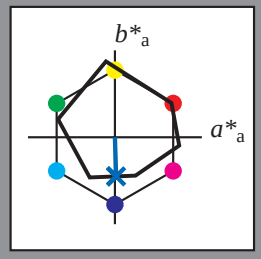
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$ ***u* = b00r***

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

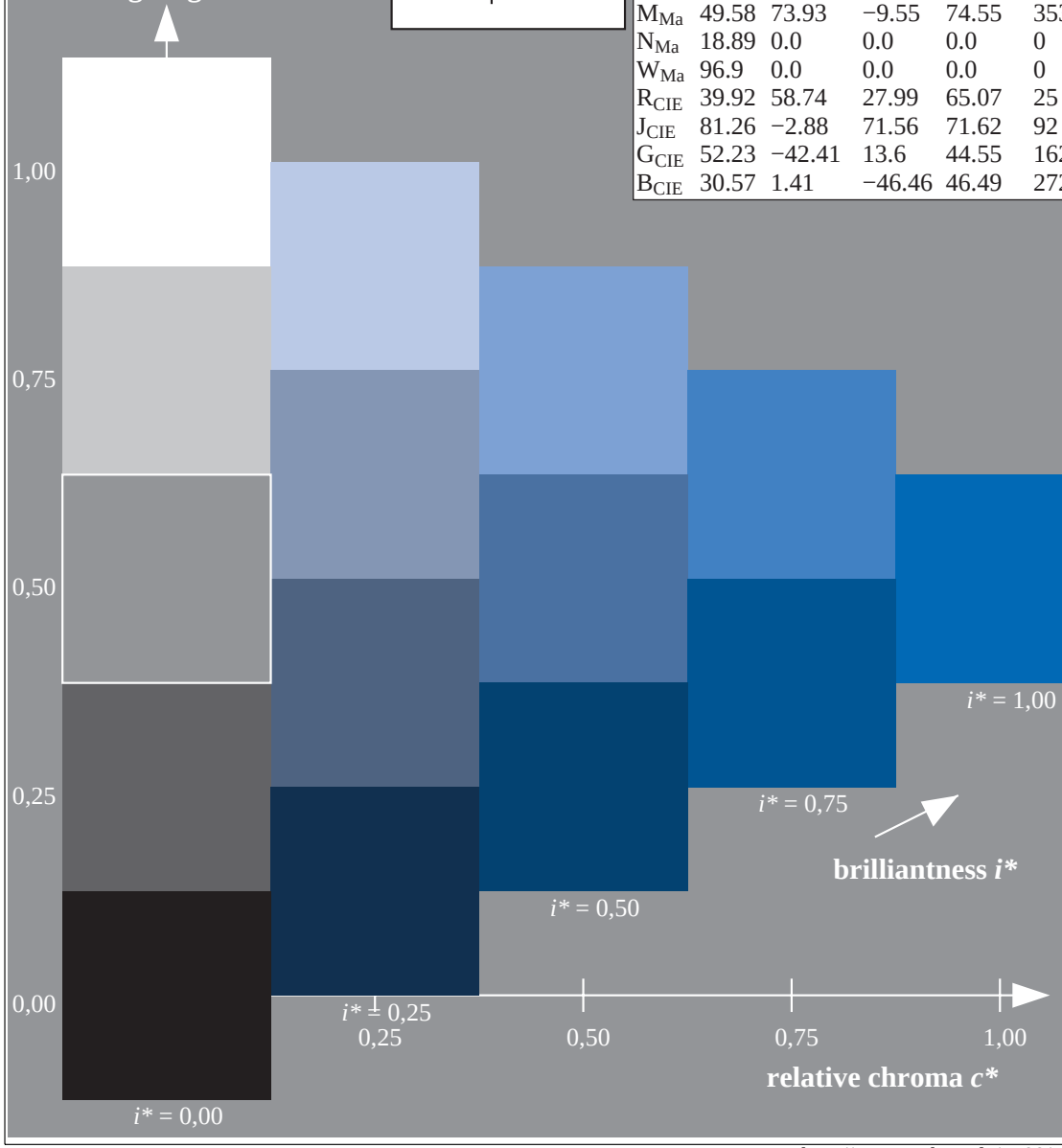
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

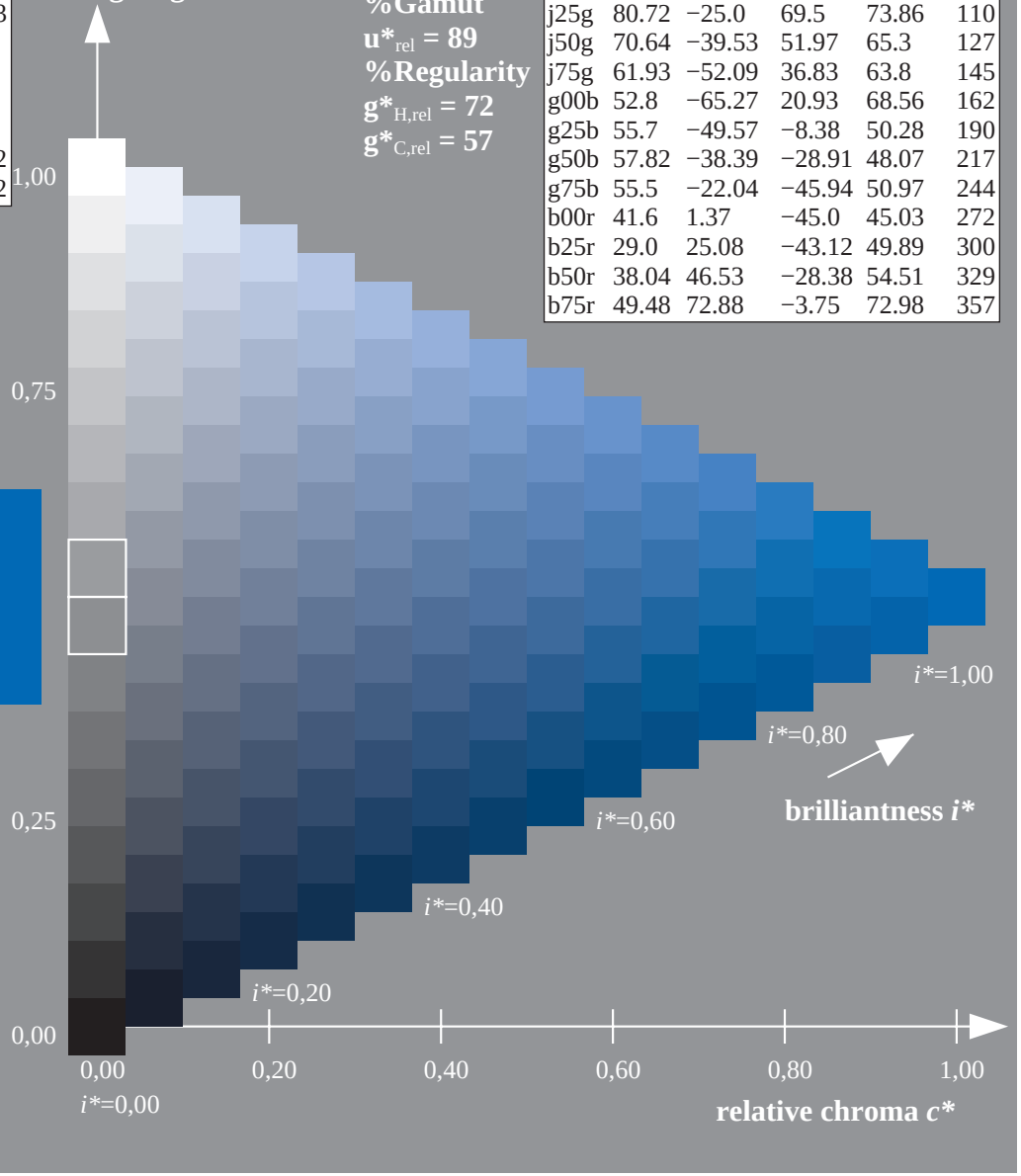
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 42 1 −44**
LAB*LCH*$_{Ma}$**: 42 45 272**
lab*rgb*$_{Ma}$**: 0.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.0 0.42 1.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

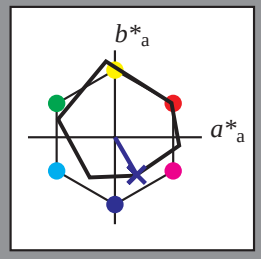
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$ ***u* = b25r***

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

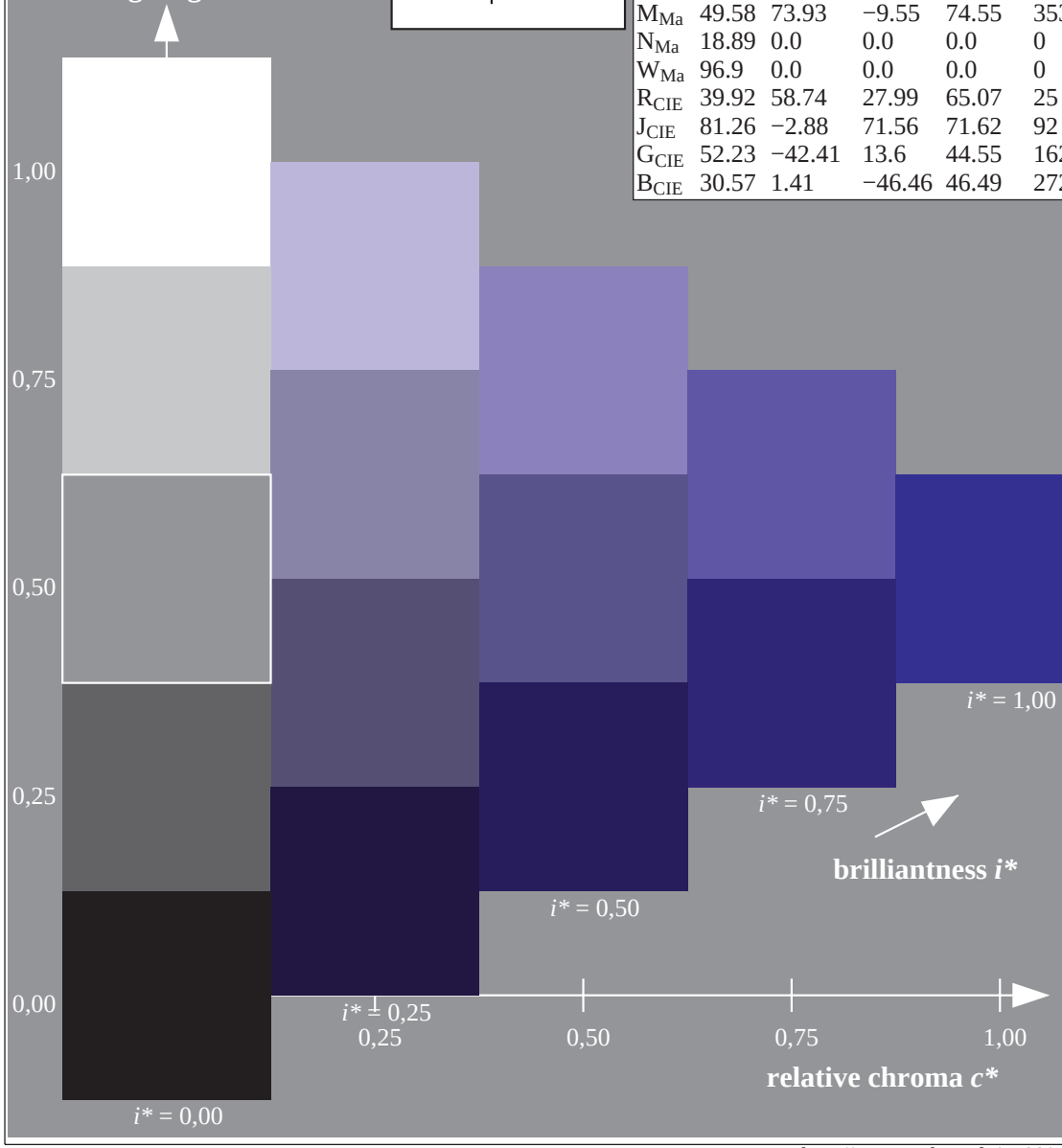
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

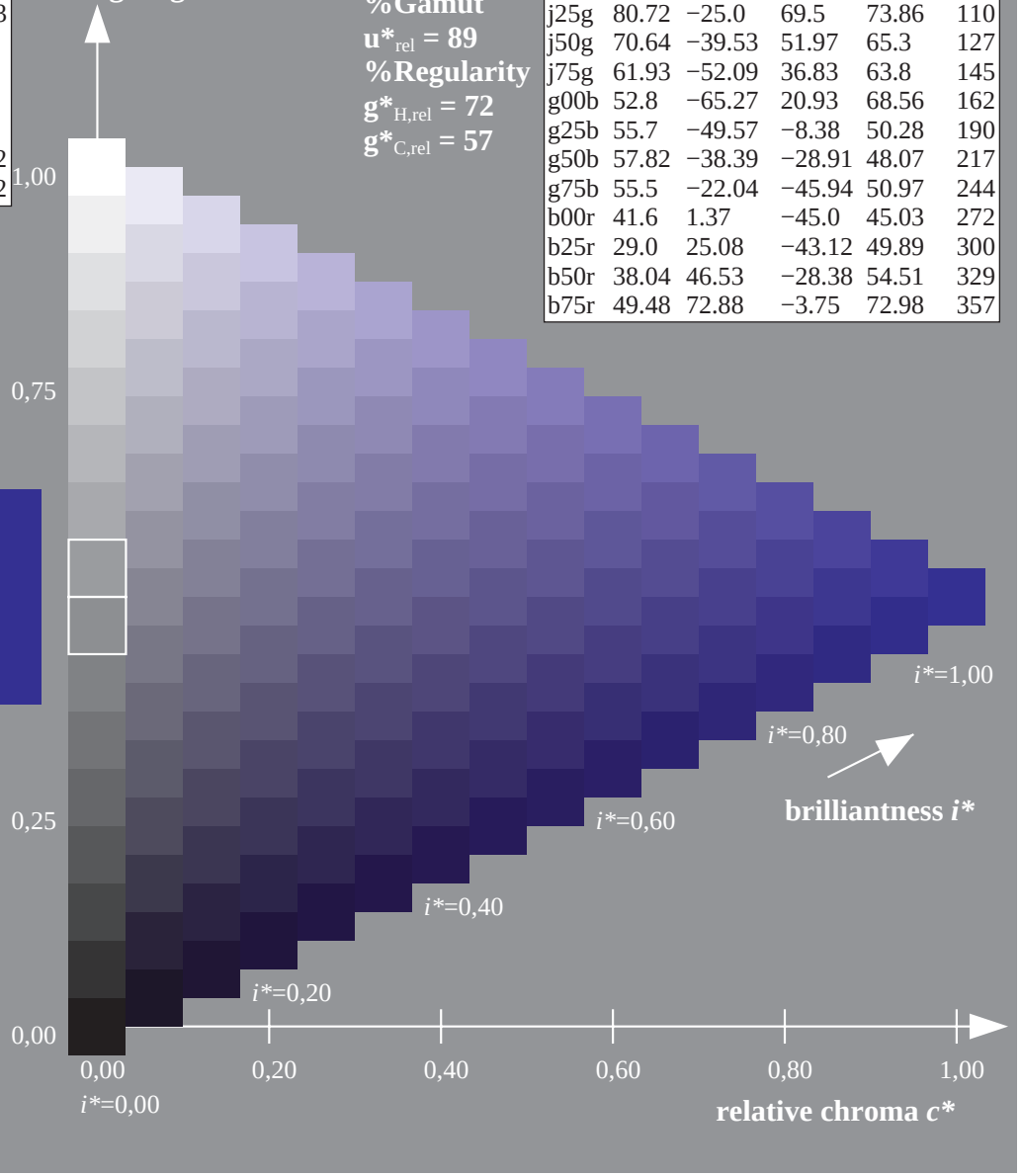
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 29 25 −42**
LAB*LCH*$_{Ma}$**: 29 50 300**
lab*rgb*$_{Ma}$**: 0.5 0.0 1.0**
lab*olv*$_{Ma}$**: 0.03 0.0 1.0**
triangle lightness ***t****

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

ORS19_96a; adapted (a) CIELAB data

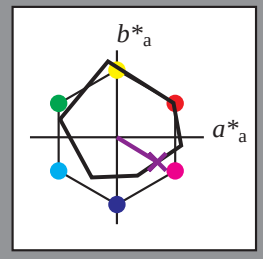
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$ ***u* = b50r***

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

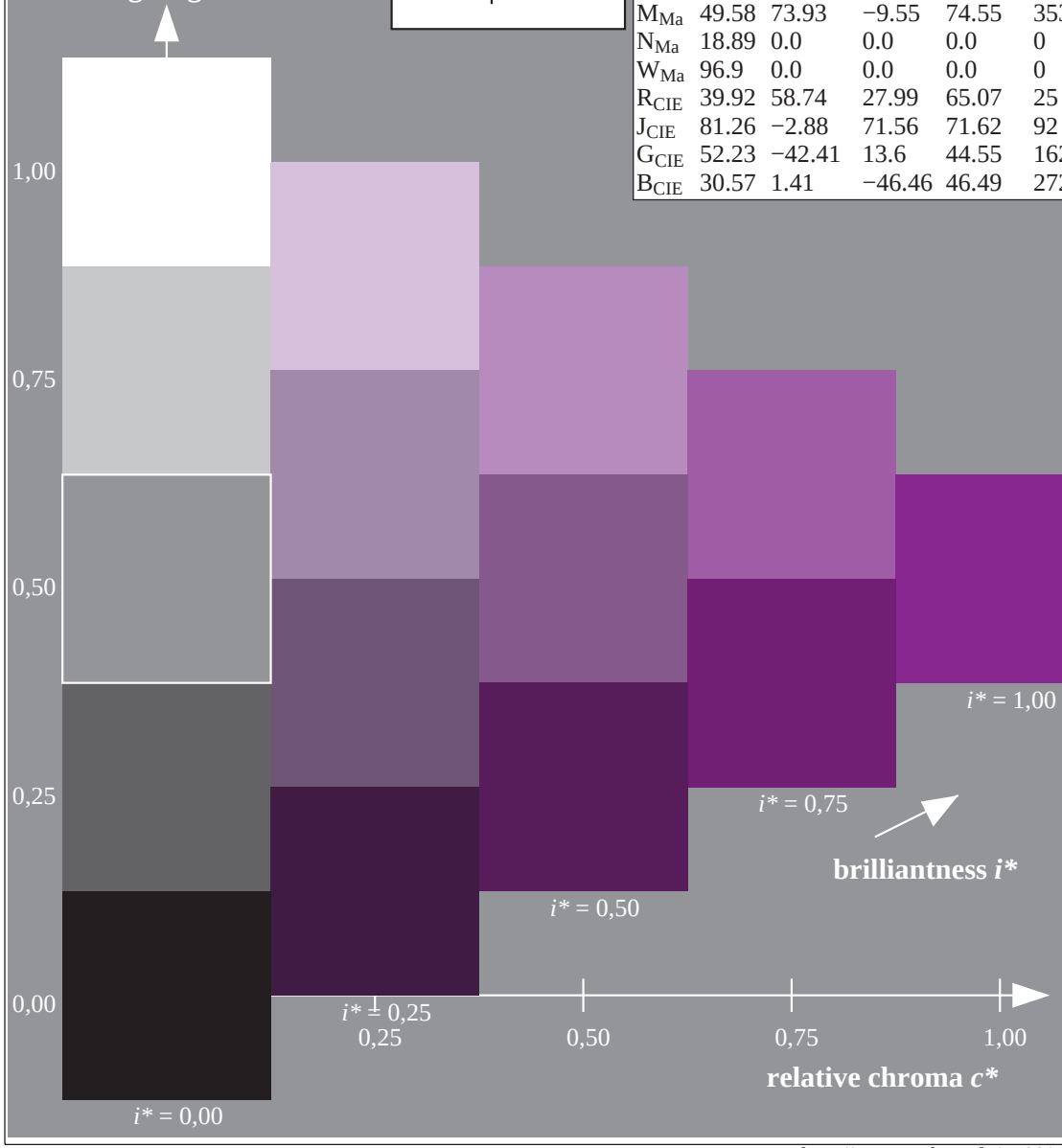
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

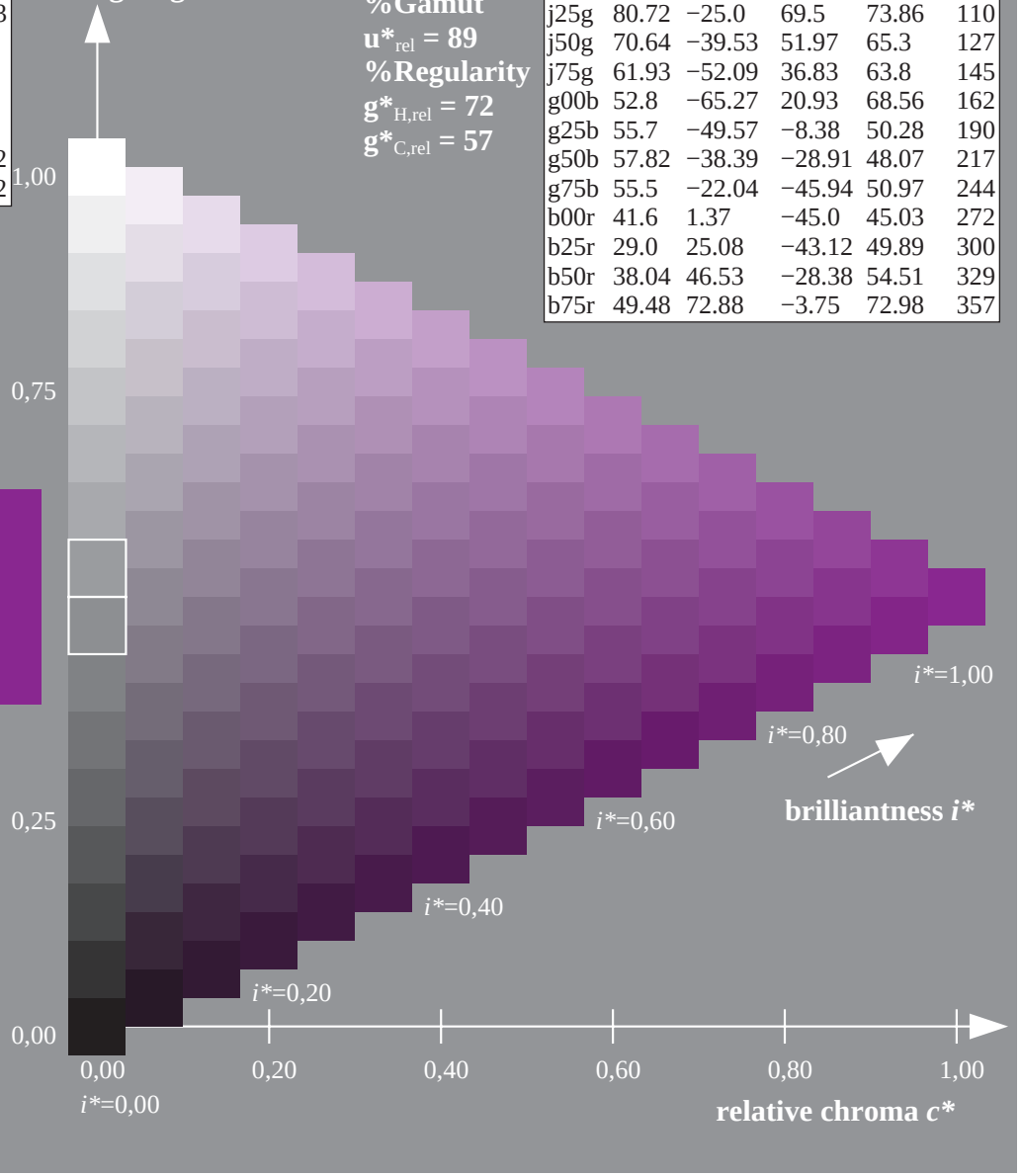
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 38 47 −27**
LAB*LCH*$_{Ma}$**: 38 55 329**
lab*rgb*$_{Ma}$**: 1.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.46 0.0 1.0**
triangle lightness ***t****

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

ORS19_96a; adapted (a) CIELAB data

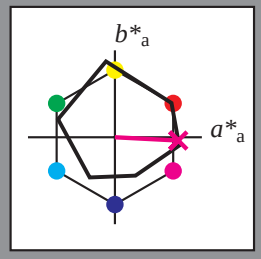
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$ ***u* = b75r***

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

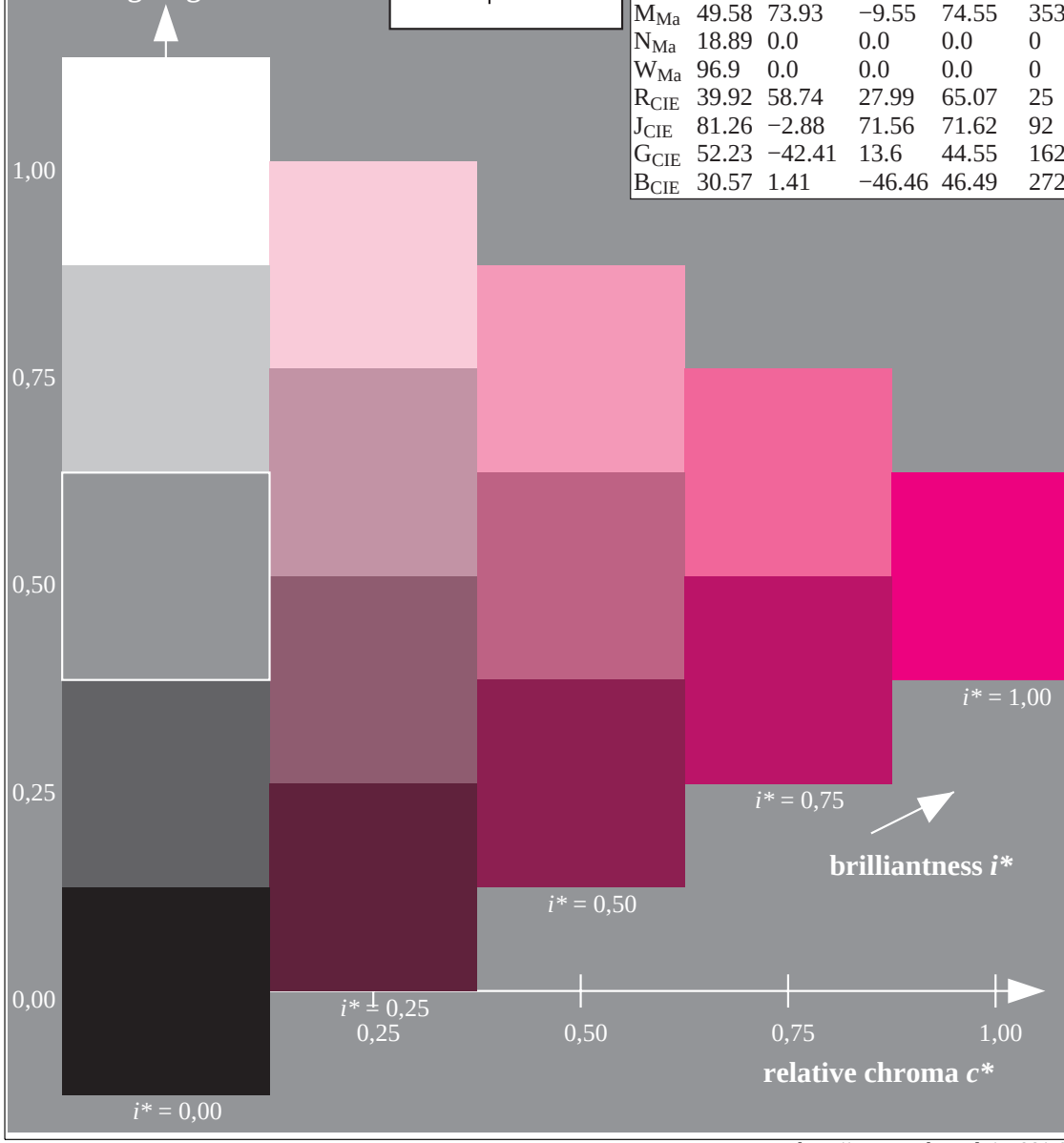
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

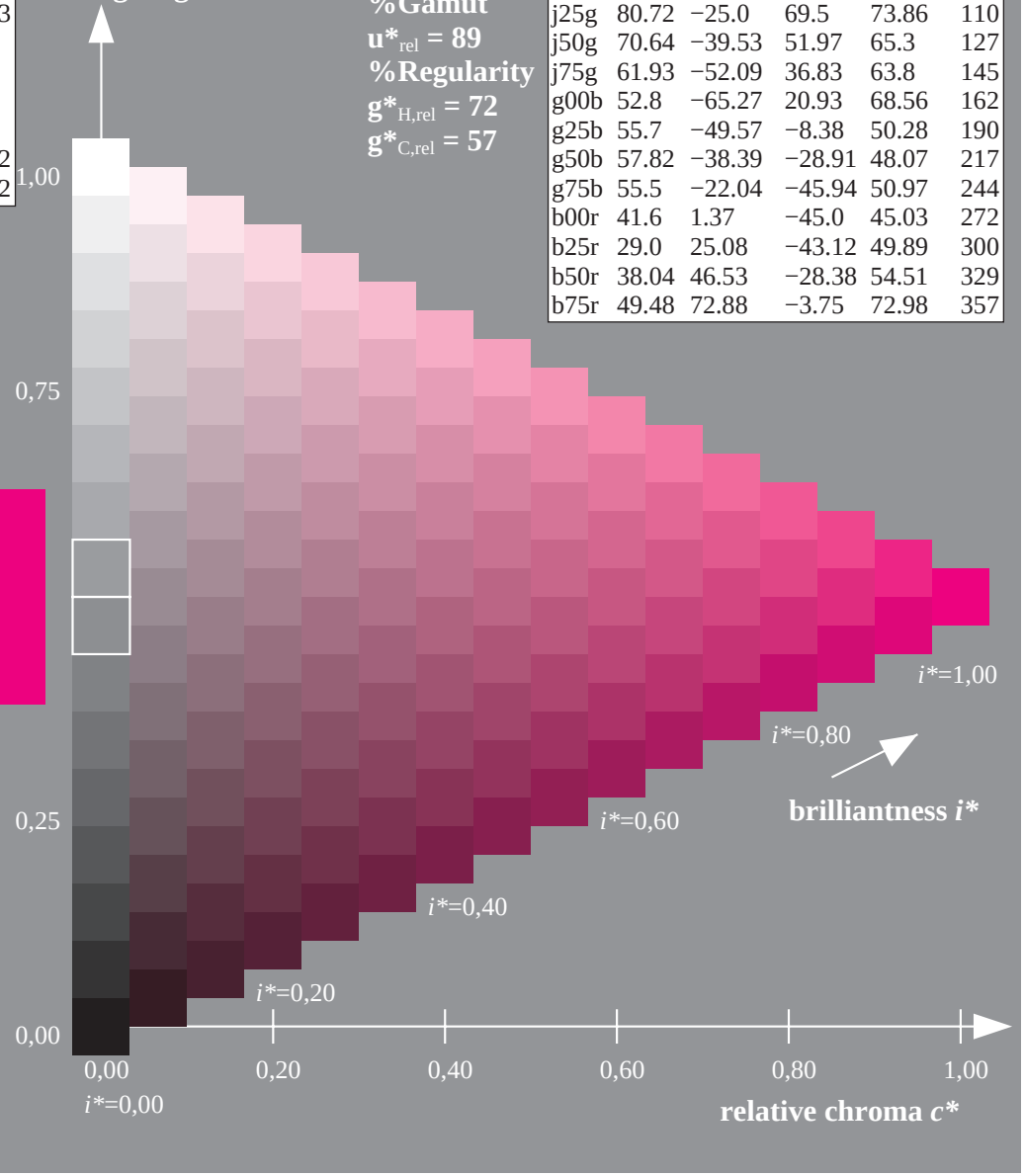
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 49 73 −3**
LAB*LCH*$_{Ma}$**: 49 73 357**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.5**
lab*olv*$_{Ma}$**: 1.0 0.0 0.88**
triangle lightness *t**

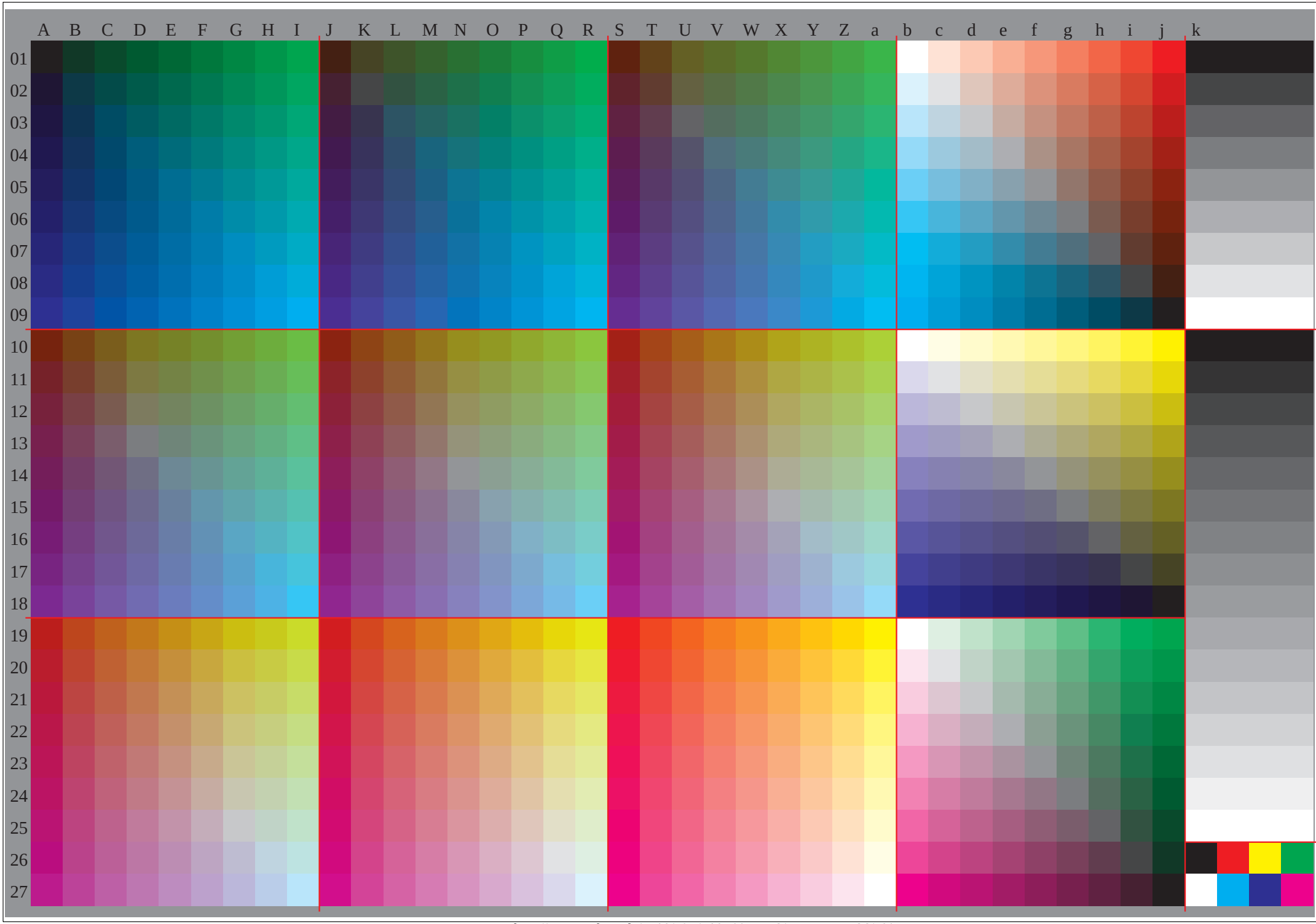
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

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



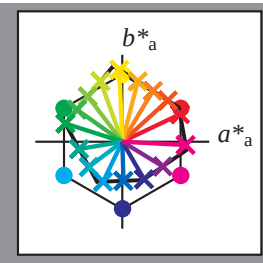



A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

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

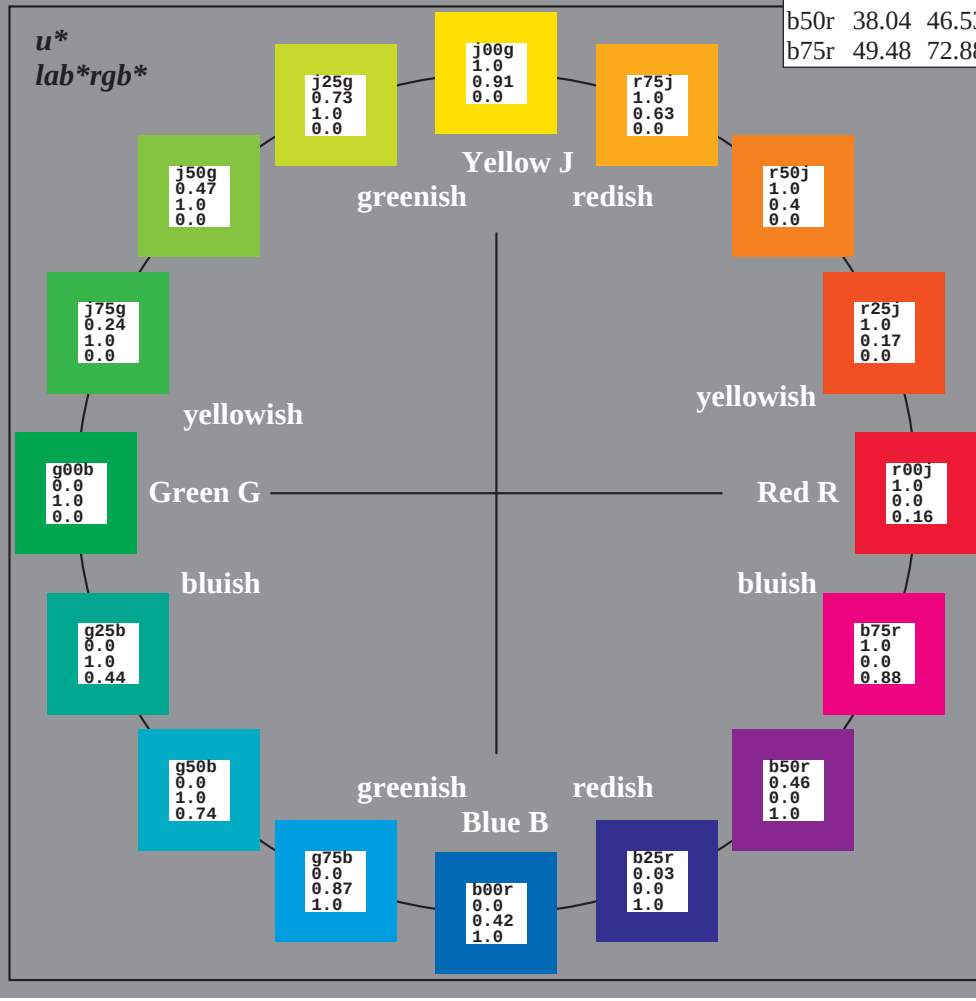
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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

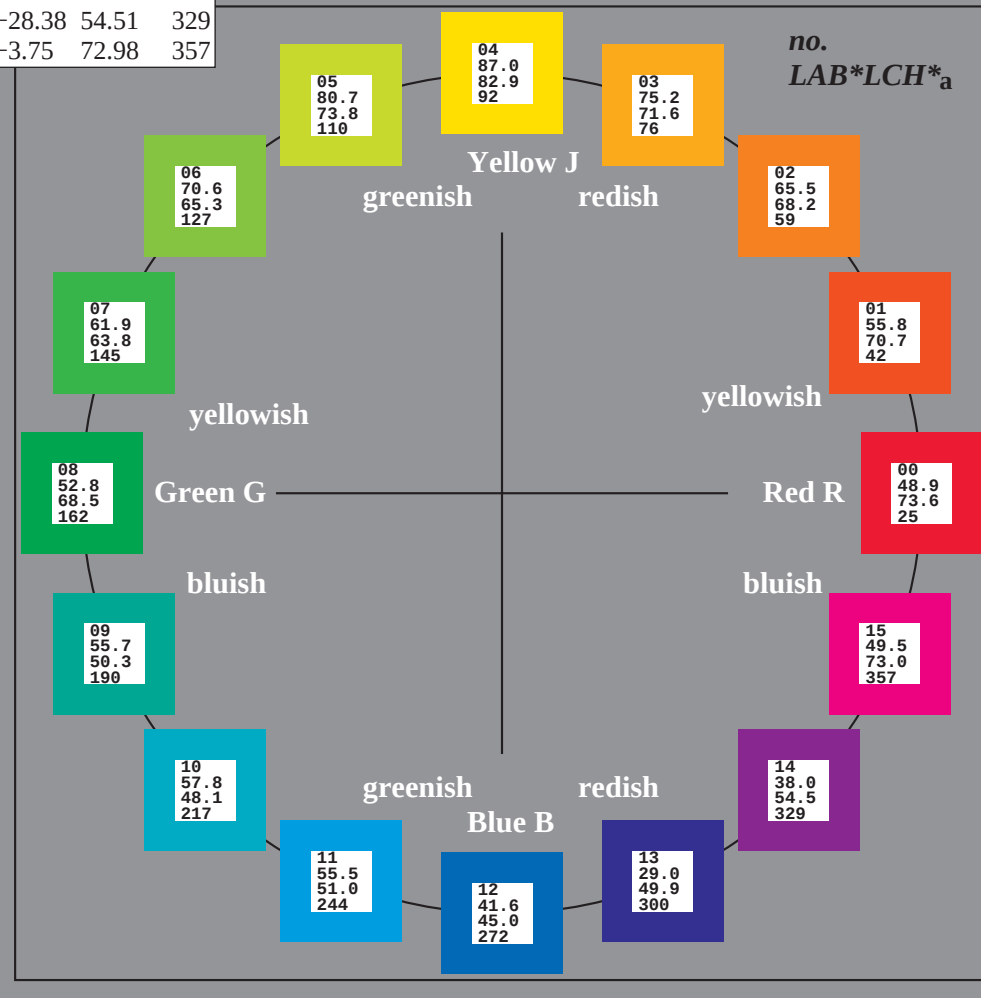


%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

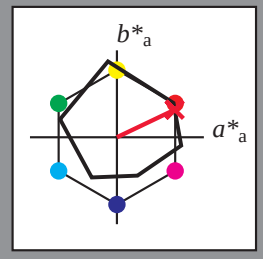
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

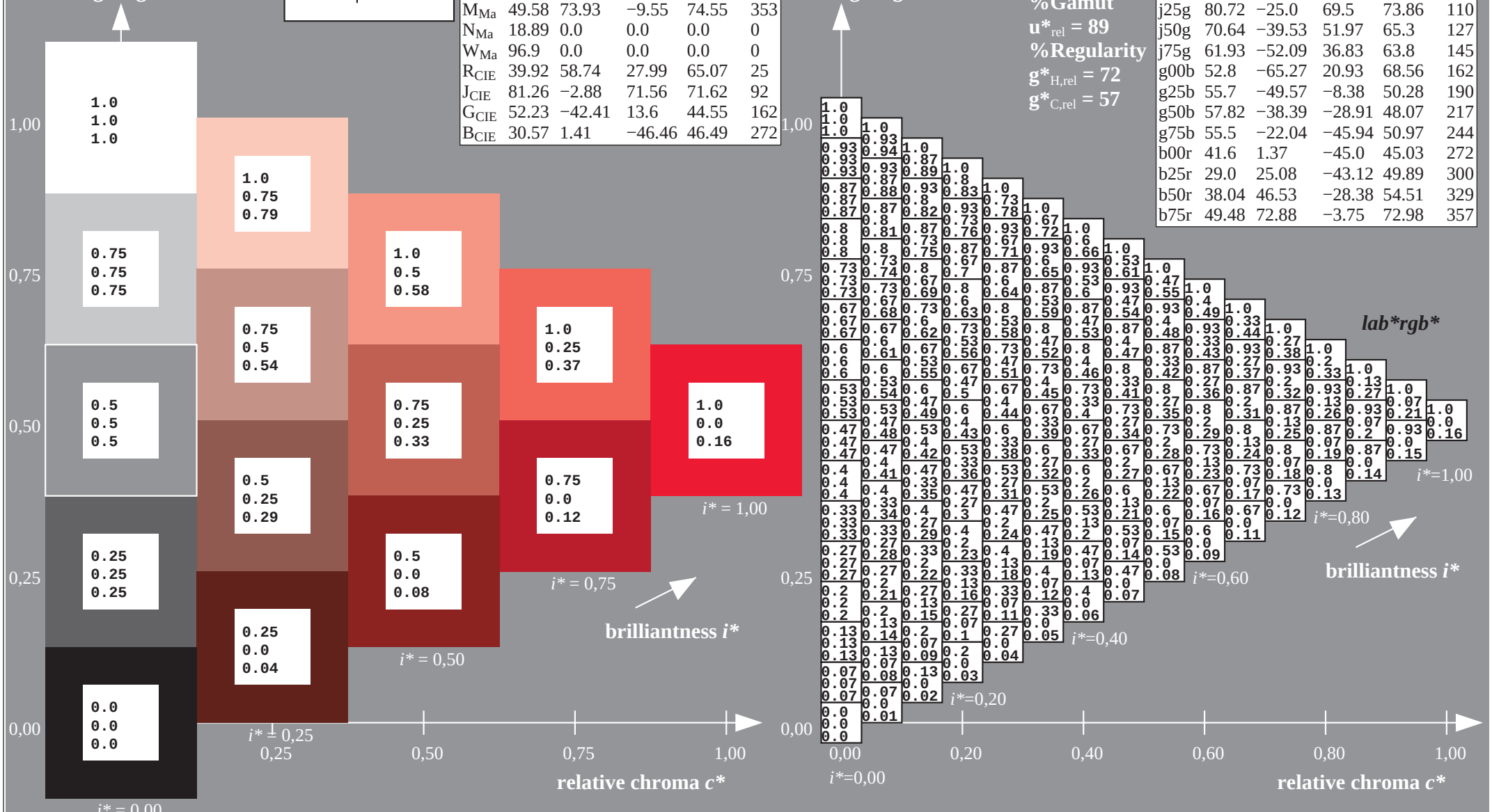
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 49 66 32**
***LAB*LCH*Ma*: 49 74 25**
***lab*rgb*Ma*: 1.0 0.0 0.0**
***lab*olv*Ma*: 1.0 0.0 0.16**
triangle lightness *t**

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

u* = r00j
lab*rgb*

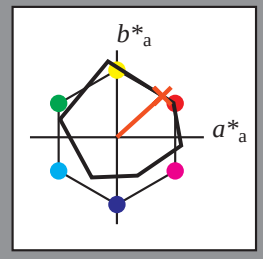
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

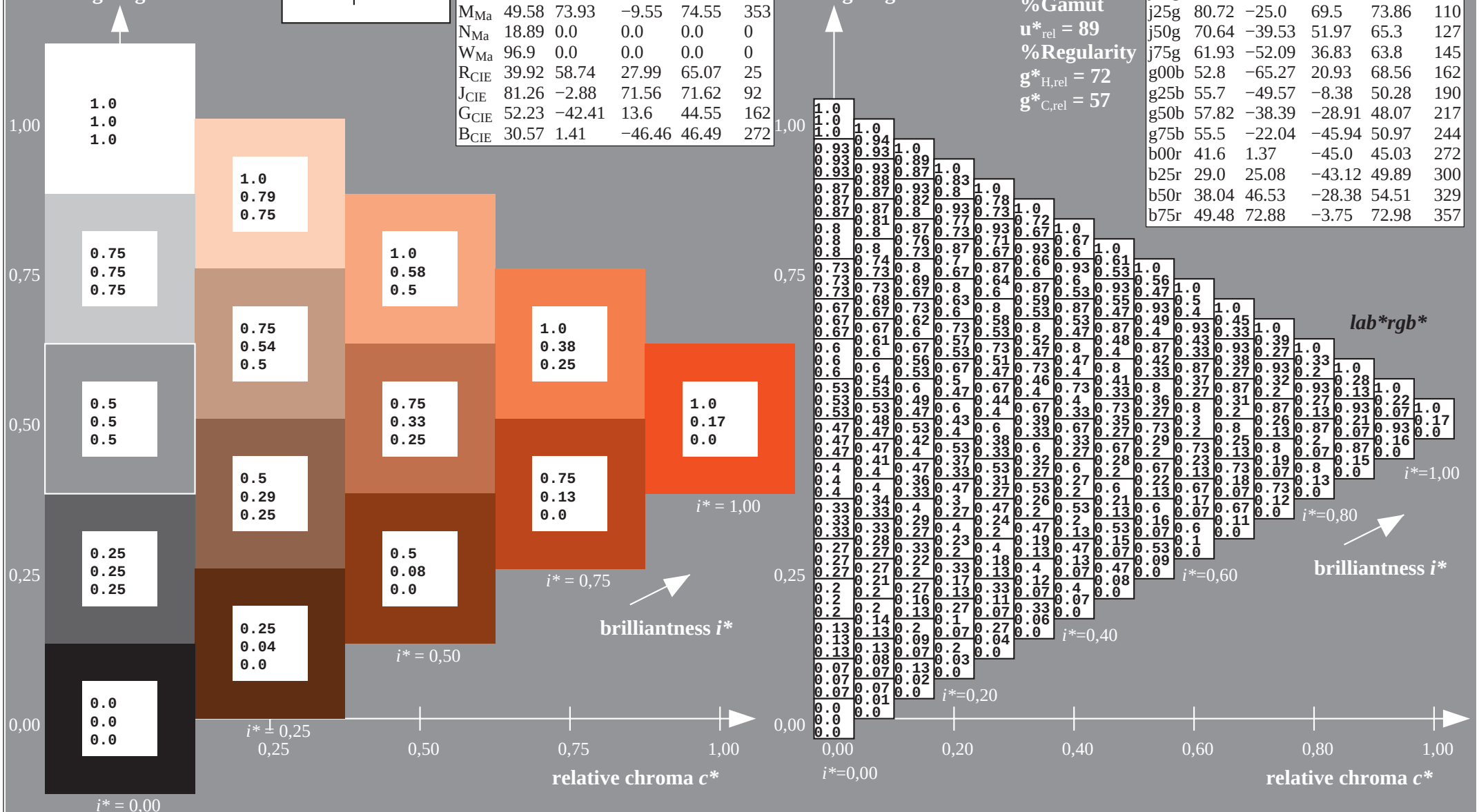
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 56 52 47**
***LAB*LCH*Ma*: 56 71 42**
***lab*rgb*Ma*: 1.0 0.25 0.0**
***lab*olv*Ma*: 1.0 0.17 0.0**
triangle lightness *t**

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

u* = r25j
lab*rgb*

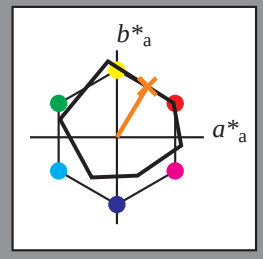
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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 $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$ *u* = r50j*

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

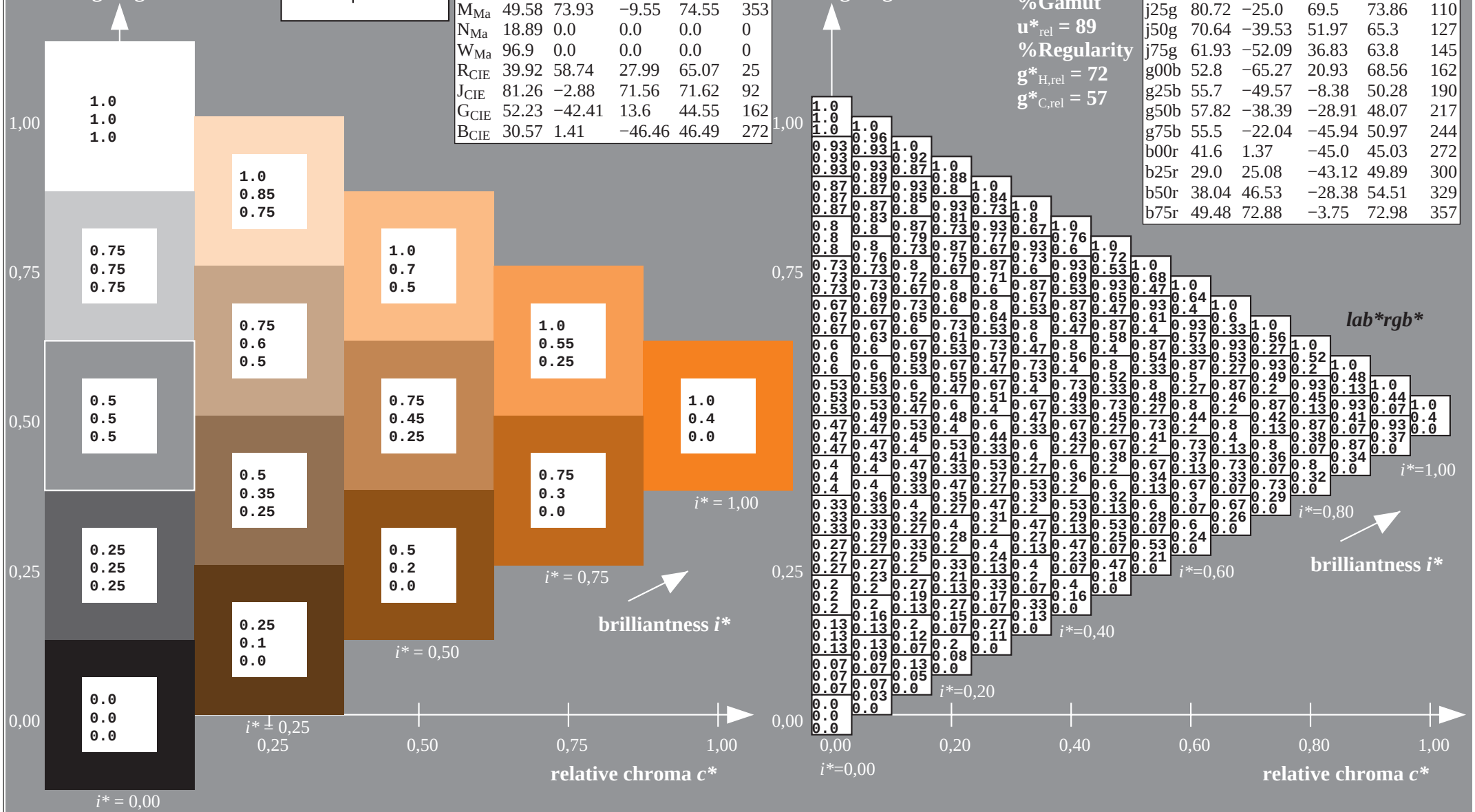
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

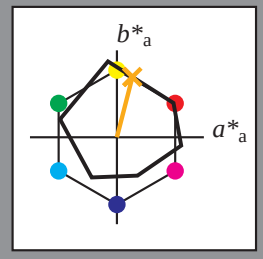
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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

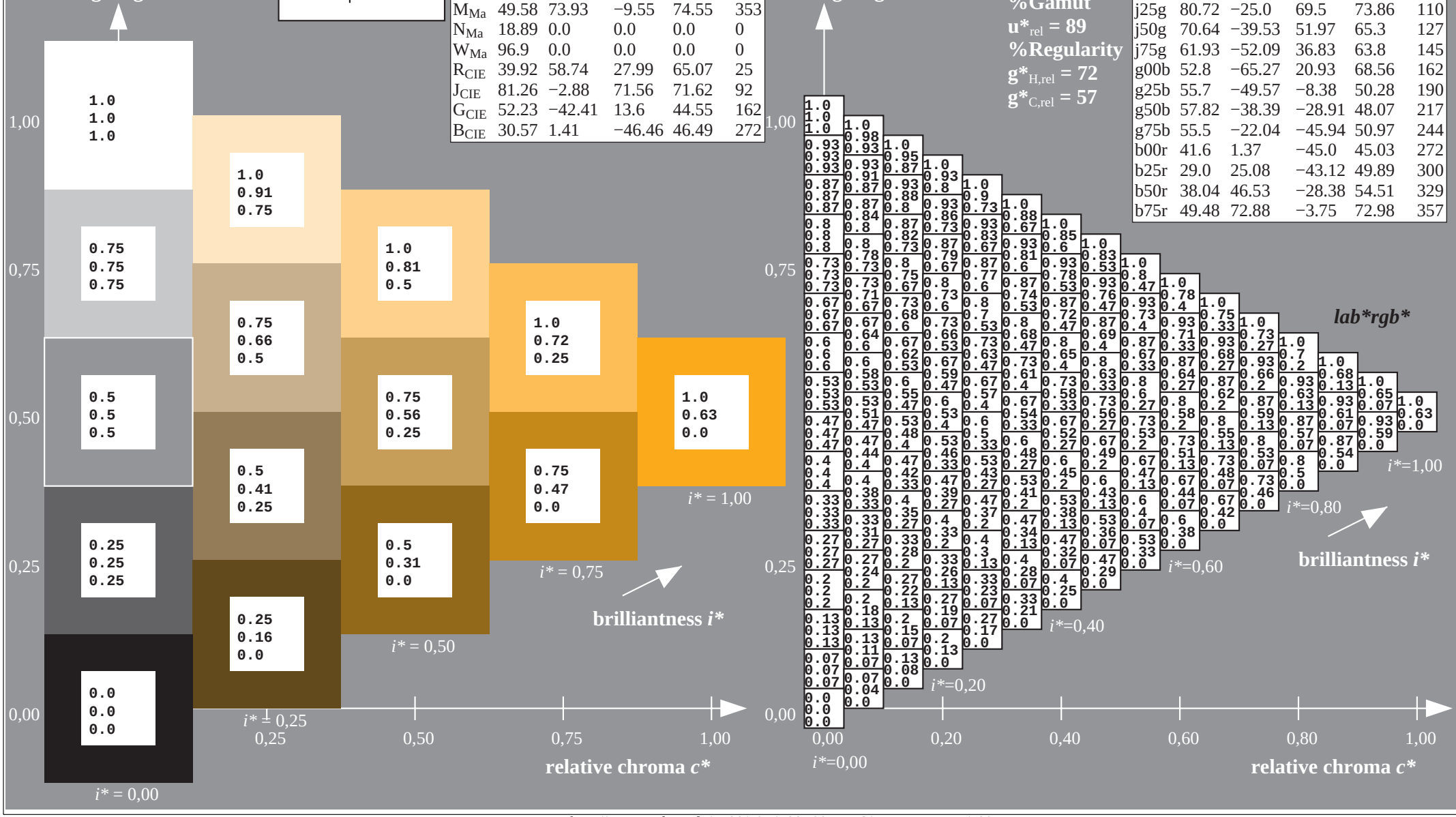
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 75 18 69**
***LAB*LCH*Ma*: 75 72 76**
***lab*rgb*Ma*: 1.0 0.75 0.0**
***lab*olv*Ma*: 1.0 0.63 0.0**
triangle lightness *t**

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

u* = r75j
lab*rgb*

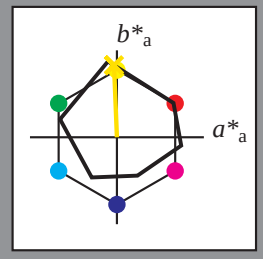
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

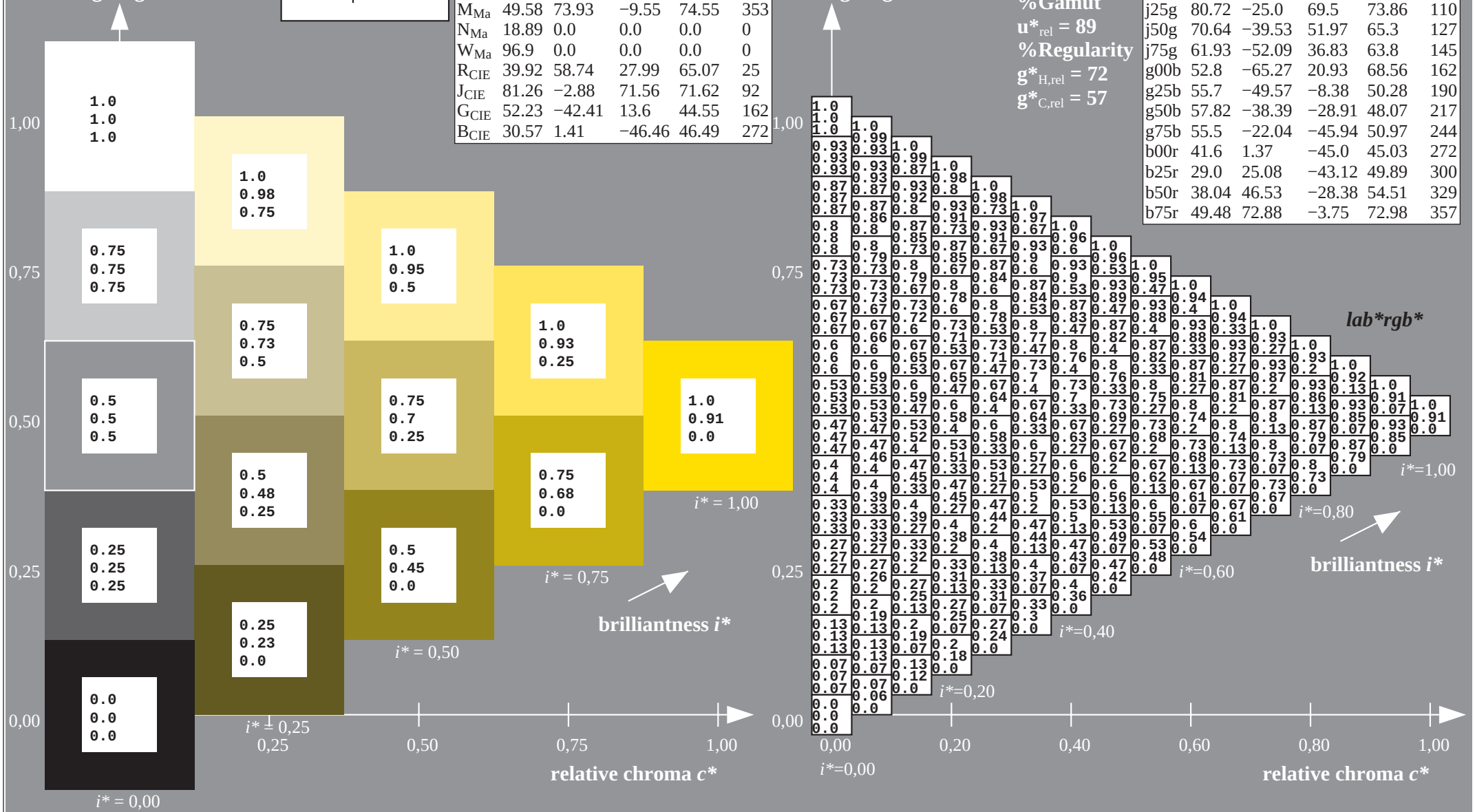
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 87 −2 83**
***LAB*LCH*Ma*: 87 83 92**
***lab*rgb*Ma*: 1.0 1.0 0.0**
***lab*olv*Ma*: 1.0 0.91 0.0**
triangle lightness *t**

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

u* = j00g
lab*rgb*

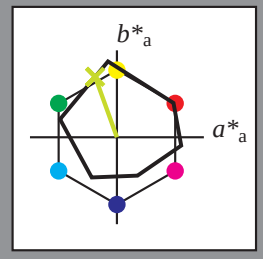
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

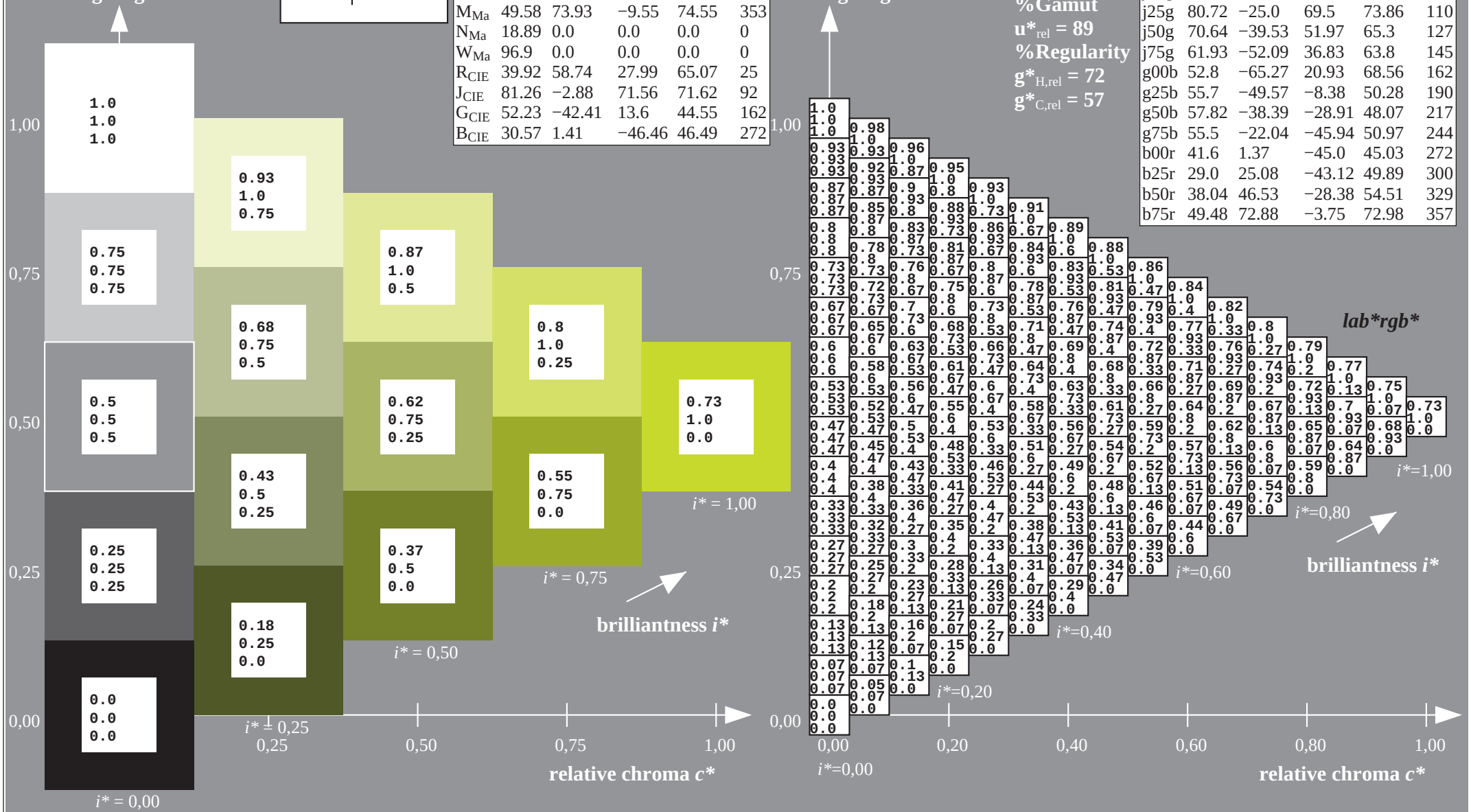
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 81 −24 69**
***LAB*LCH*Ma*: 81 74 110**
***lab*rgb*Ma*: 0.75 1.0 0.0**
***lab*olv*Ma*: 0.73 1.0 0.0**
triangle lightness *t**

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

u* = j25g
lab*rgb*

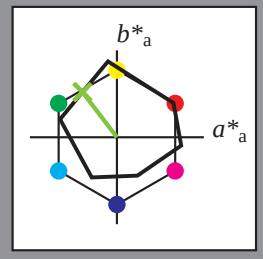
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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 *u* = j50g*

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

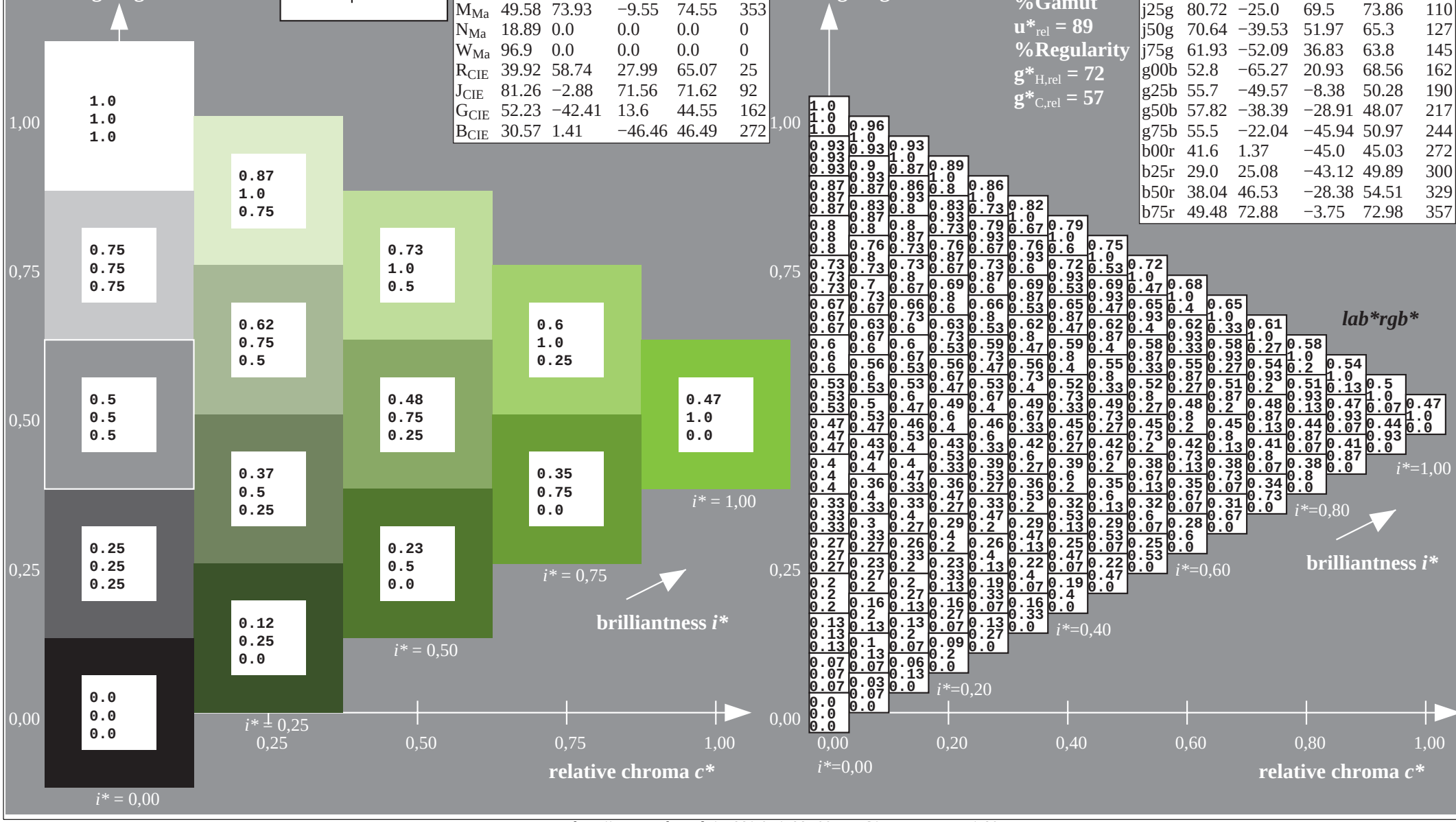
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

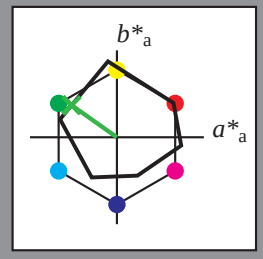
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$ *u* = j75g* *lab*rgb**

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

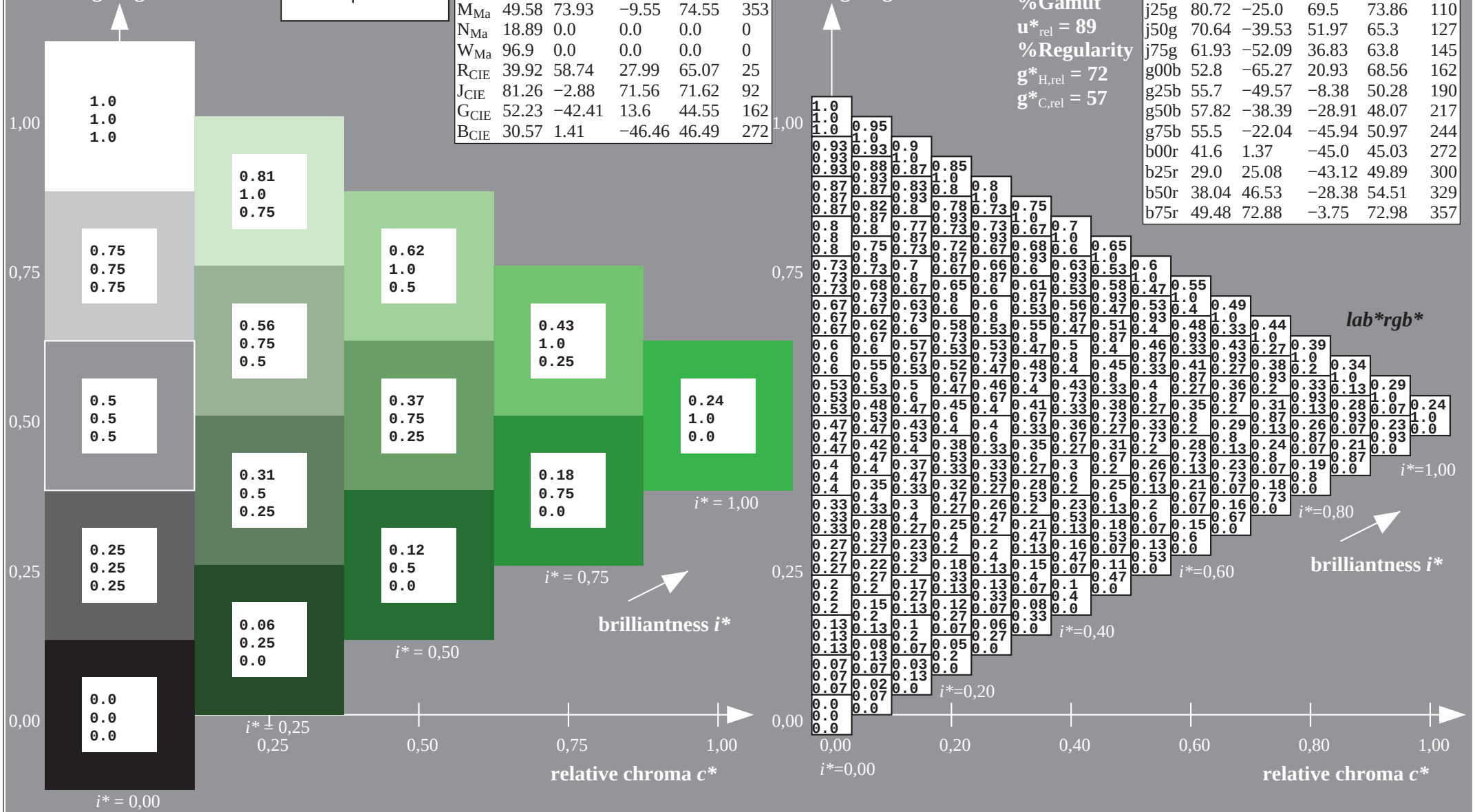
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

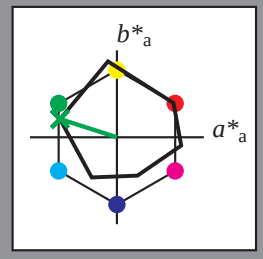
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 — ***u* = g00b lab*rgb****

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

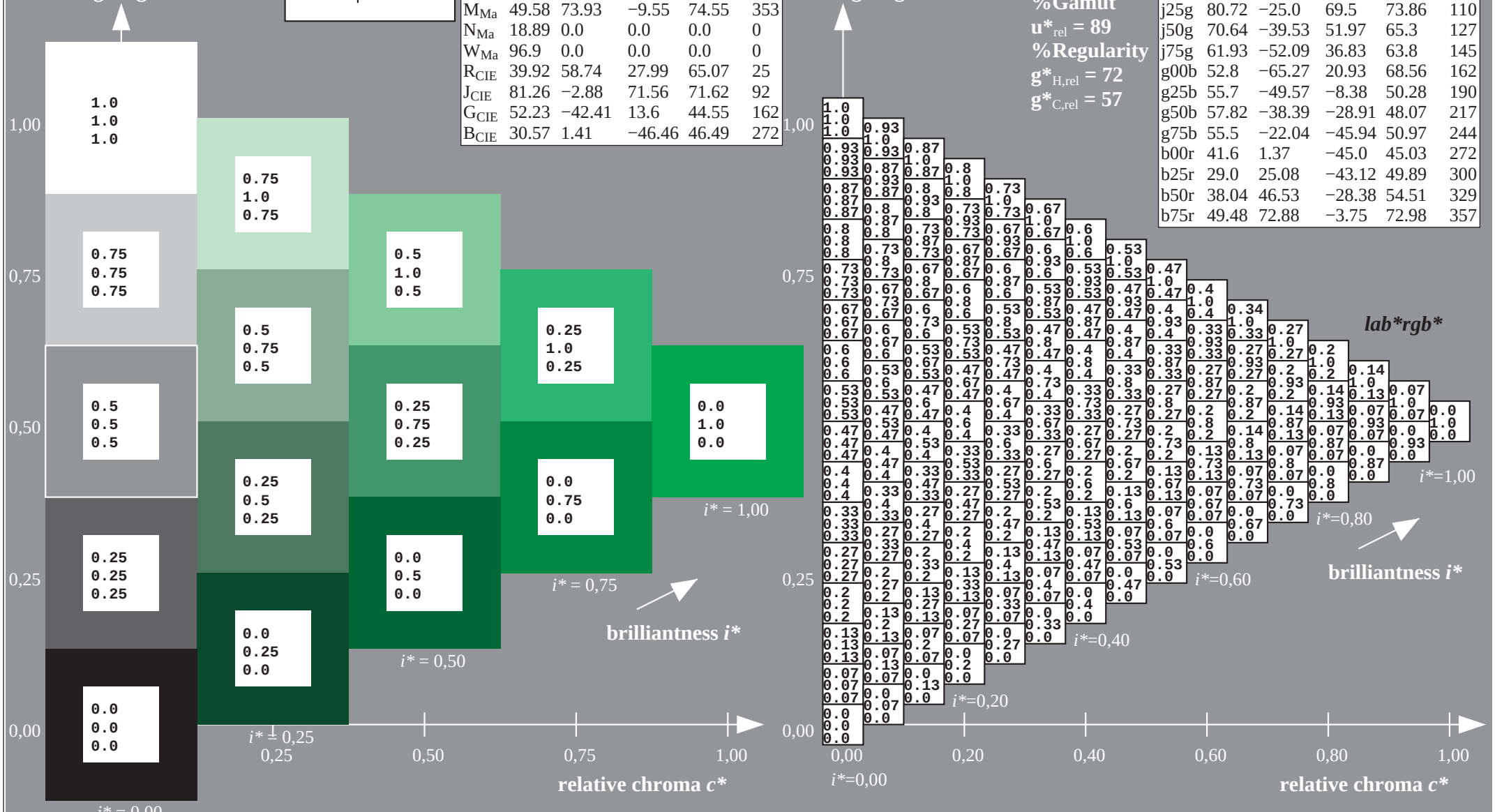
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 53 −64 21**
***LAB*LCH*Ma*: 53 69 162**
***lab*rgb*Ma*: 0.0 1.0 0.0**
***lab*olv*Ma*: 0.0 1.0 0.0**
triangle lightness *t**

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

lab*rgb*

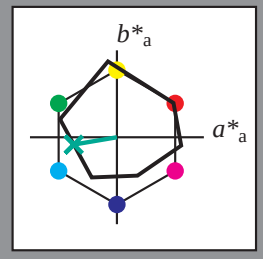
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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 $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$ *u* = g25b*

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

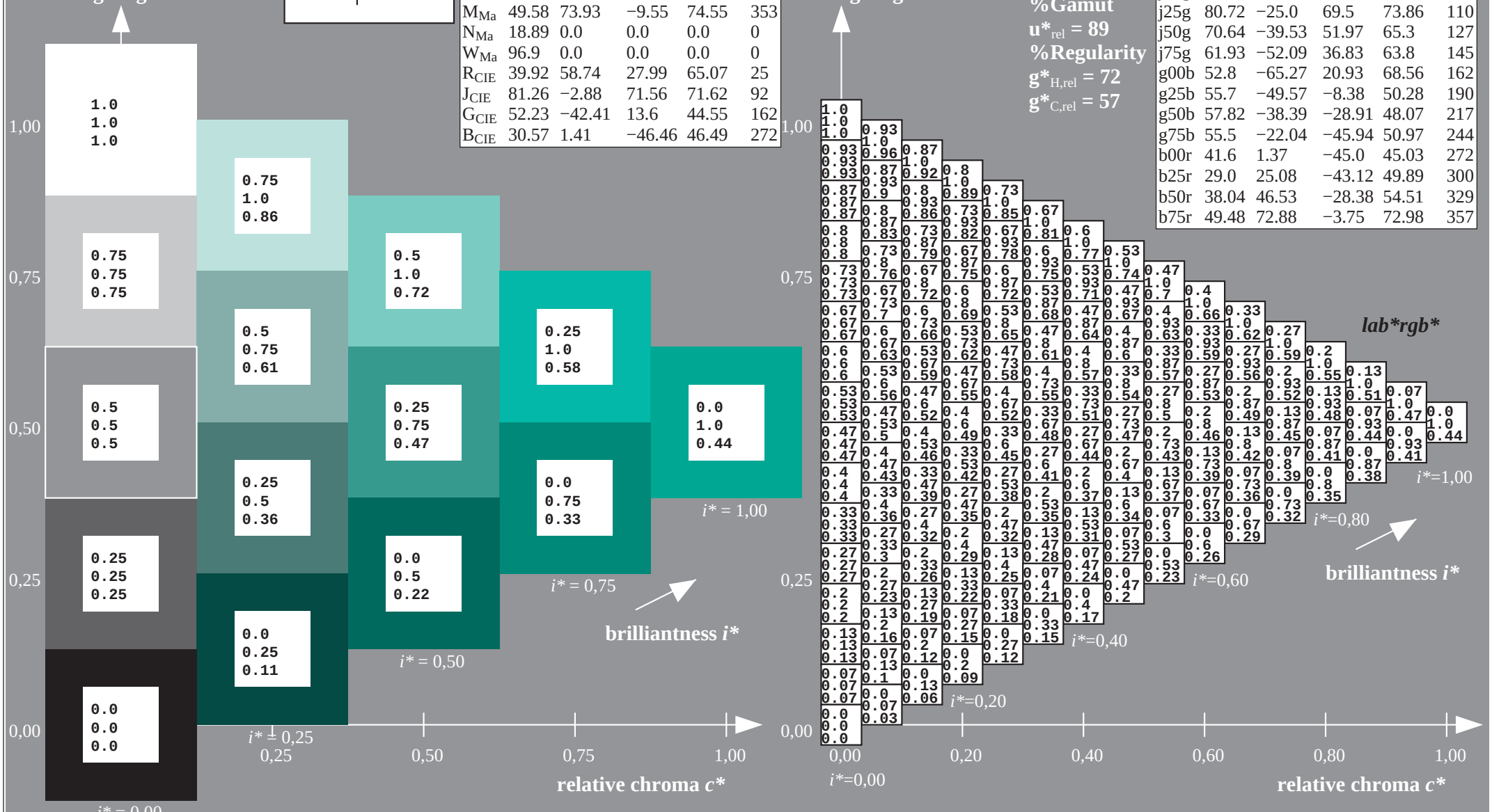
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 56 −49 −7**
***LAB*LCH*Ma*: 56 50 190**
***lab*rgb*Ma*: 0.0 1.0 0.5**
***lab*olv*Ma*: 0.0 1.0 0.44**
triangle lightness *t**

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

*lab*rgb**

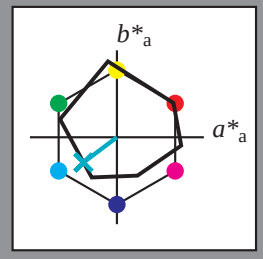
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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 $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$ *u* = g50b*

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

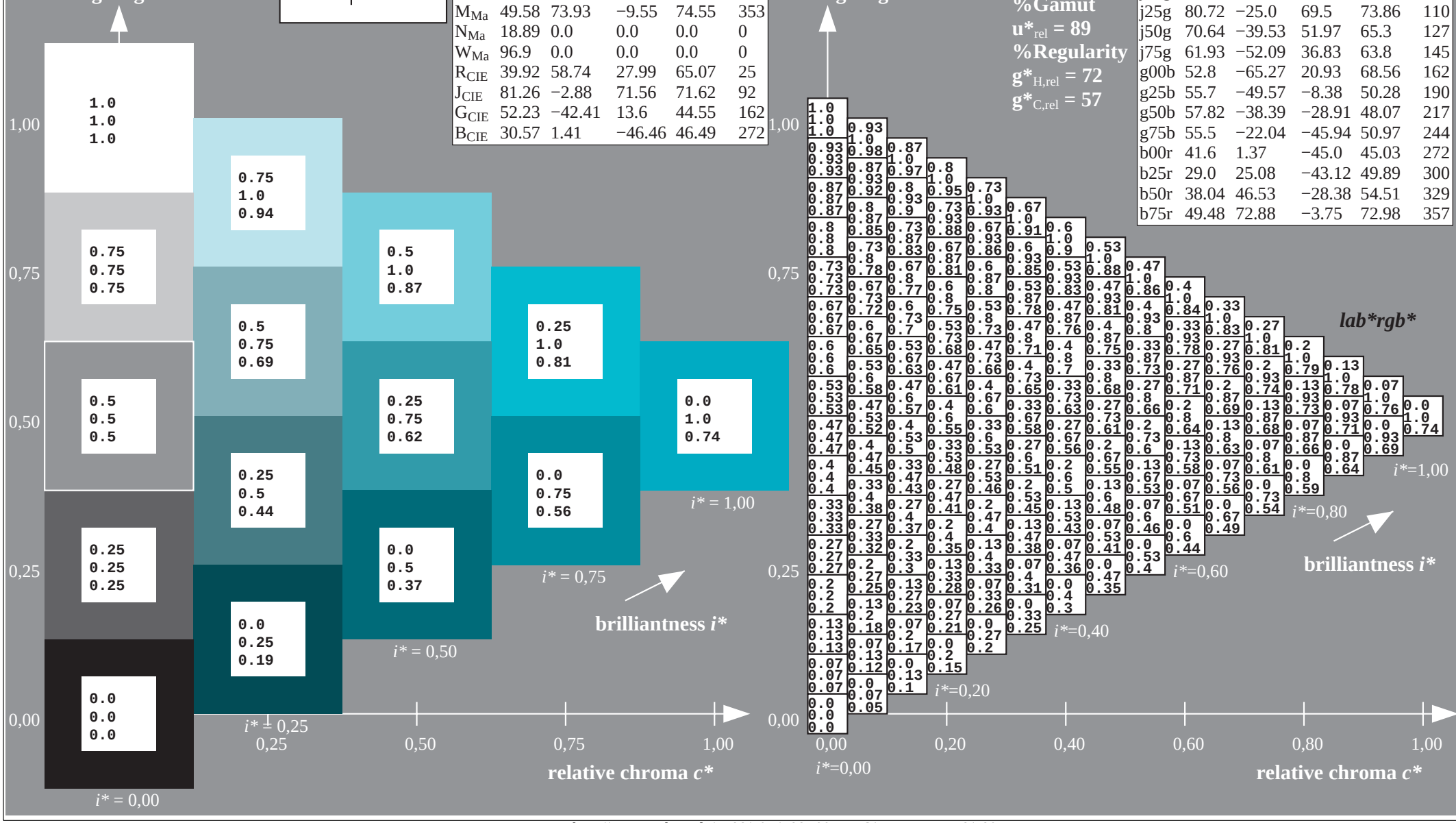
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

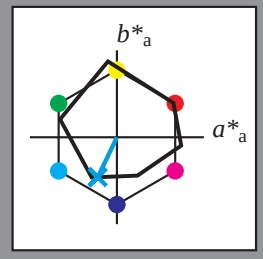
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$ *u* = g75b*

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

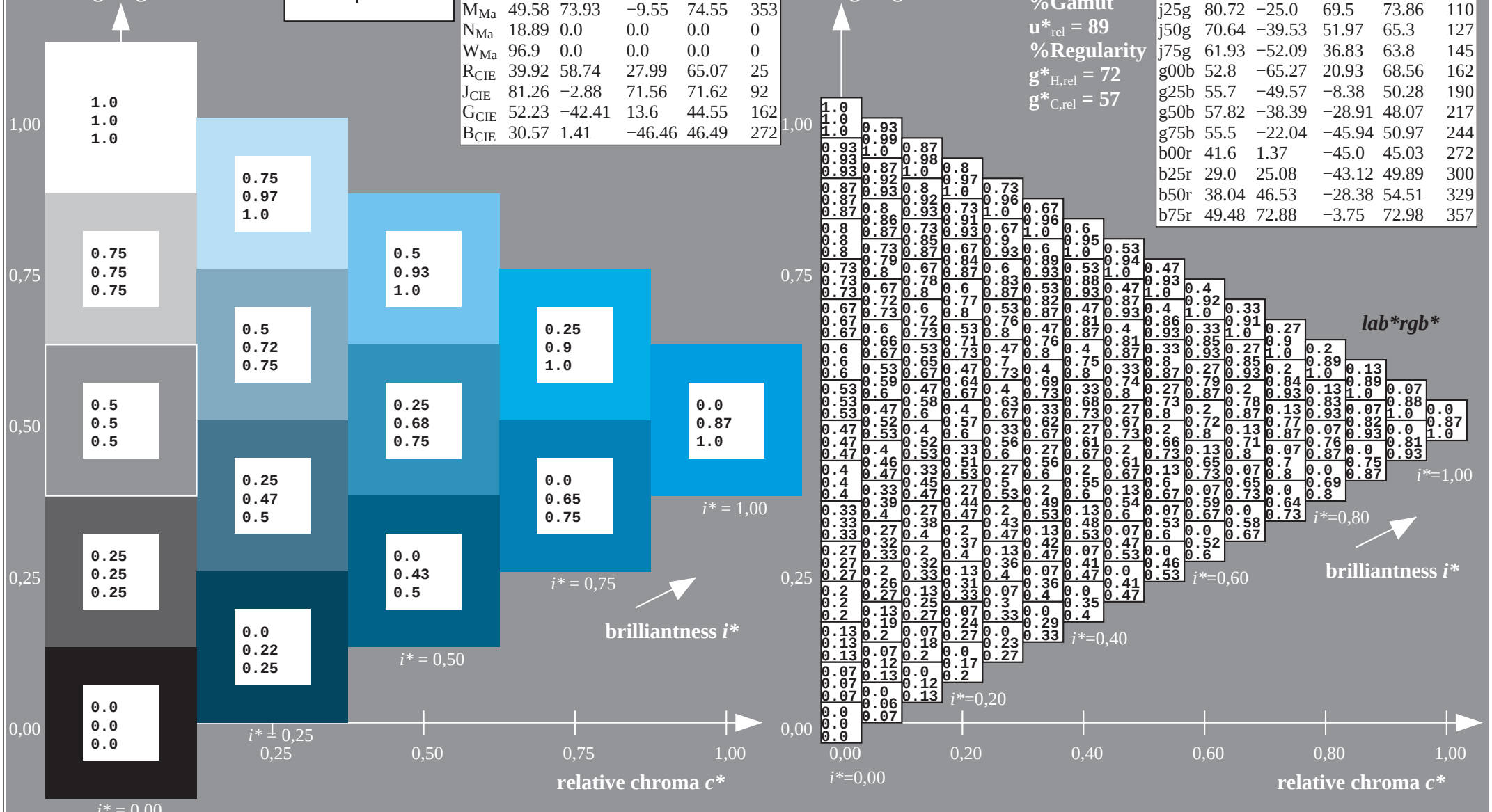
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 55 −21 −45**
***LAB*LCH*Ma*: 55 51 244**
***lab*rgb*Ma*: 0.0 0.5 1.0**
***lab*olv*Ma*: 0.0 0.87 1.0**
triangle lightness *t**

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

u = g75b*
*lab*rgb**

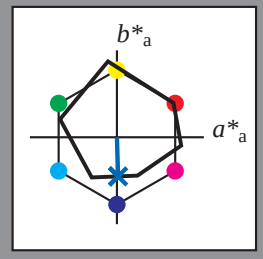
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

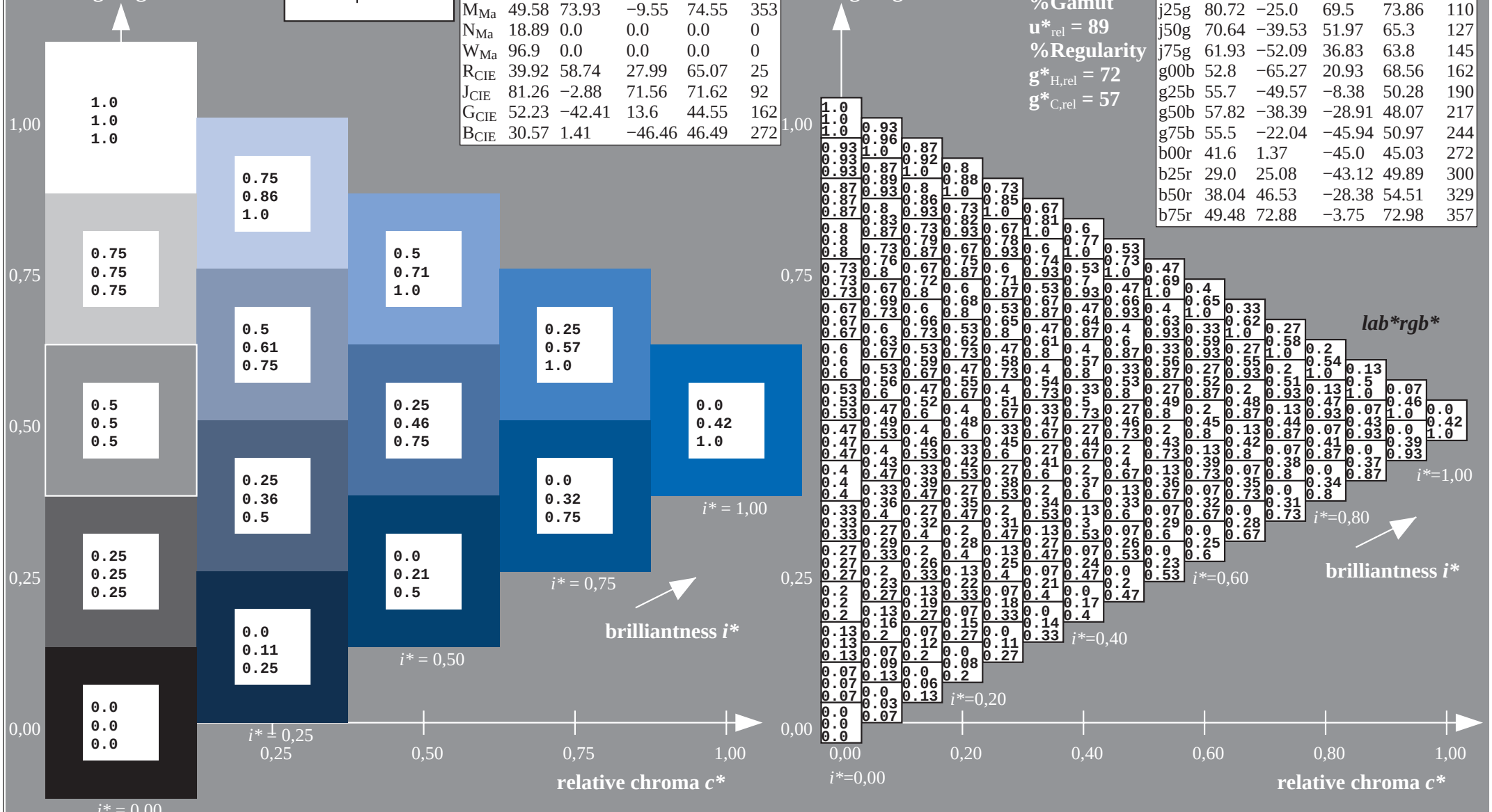
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 42 1 −44**
***LAB*LCH*Ma*: 42 45 272**
***lab*rgb*Ma*: 0.0 0.0 1.0**
***lab*olv*Ma*: 0.0 0.42 1.0**
triangle lightness *t**

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

u* = b00r
lab*rgb*

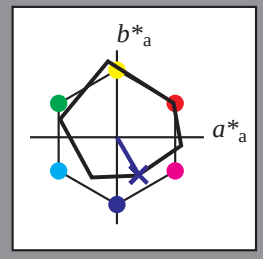
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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 *u* = b25r*

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

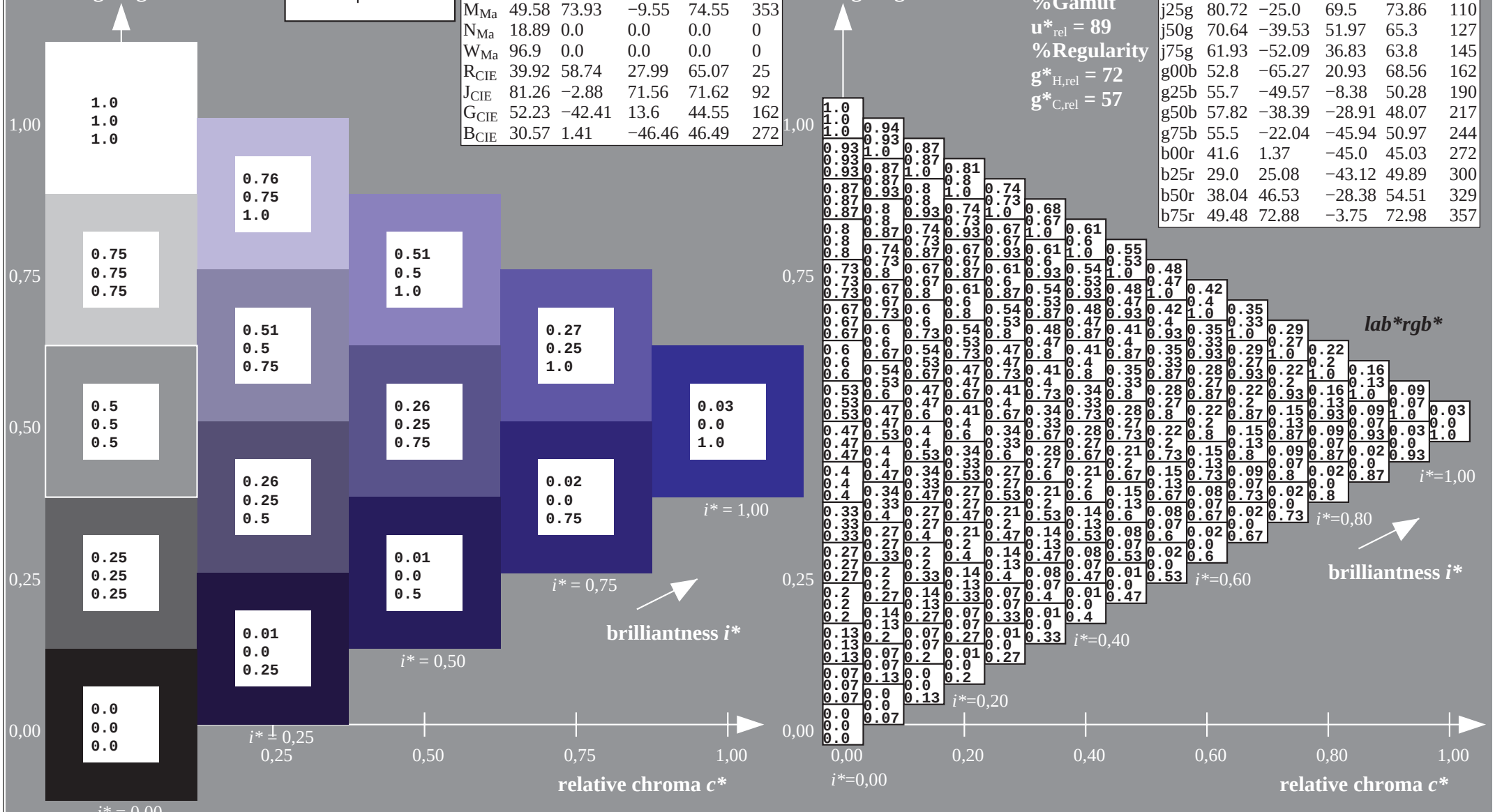
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 29 25 −42
*LAB*LCH**$_{Ma}$: 29 50 300
*lab*rgb**$_{Ma}$: 0.5 0.0 1.0
*lab*olv**$_{Ma}$: 0.03 0.0 1.0
triangle lightness *t**

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

u = b25r*
*lab*rgb**

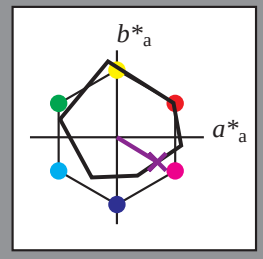
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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 $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$ *u* = b50r* *lab*rgb**

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

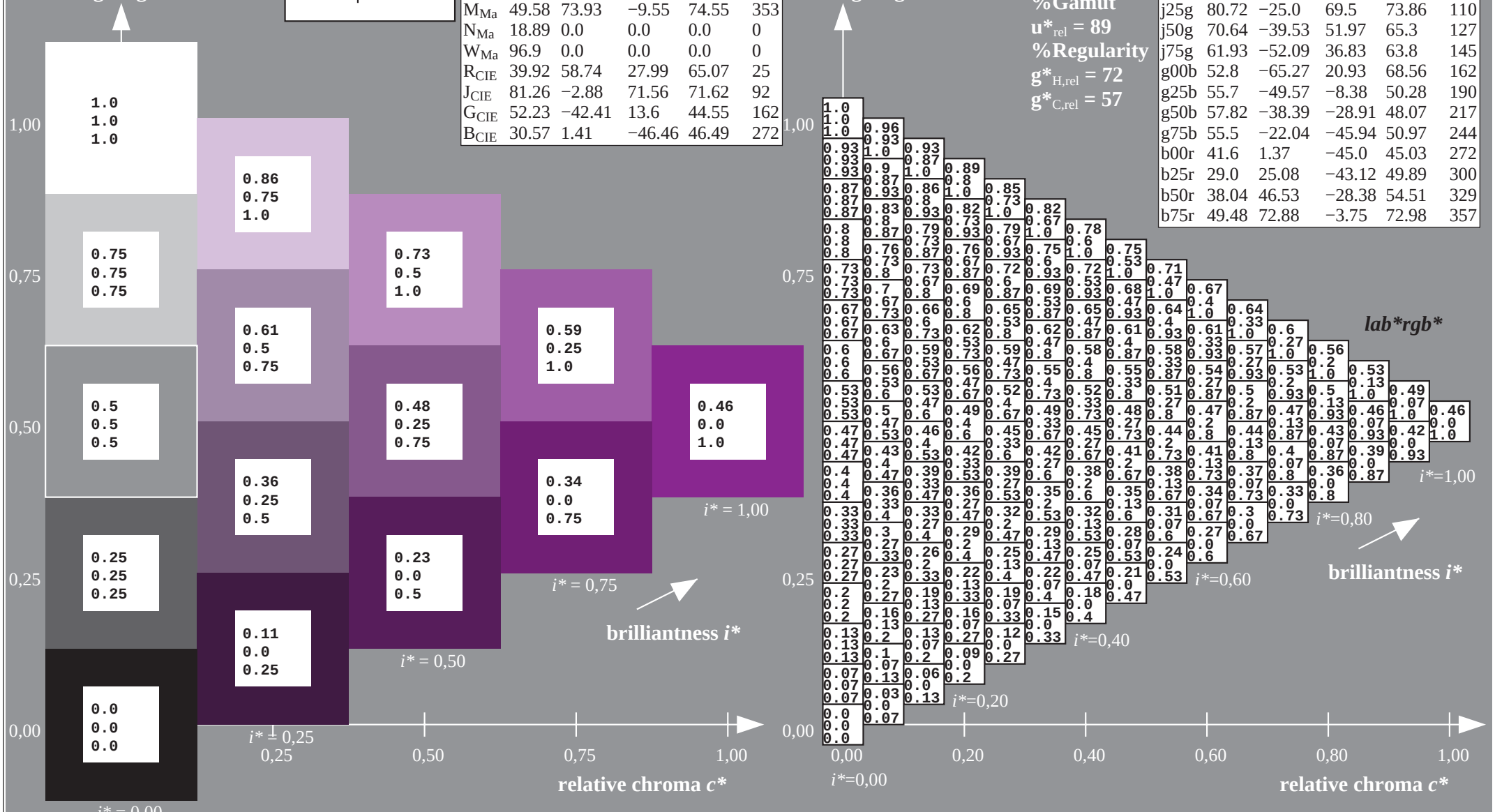
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

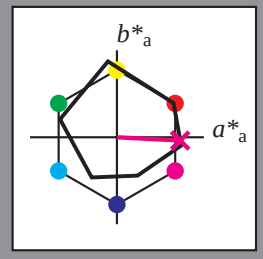
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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

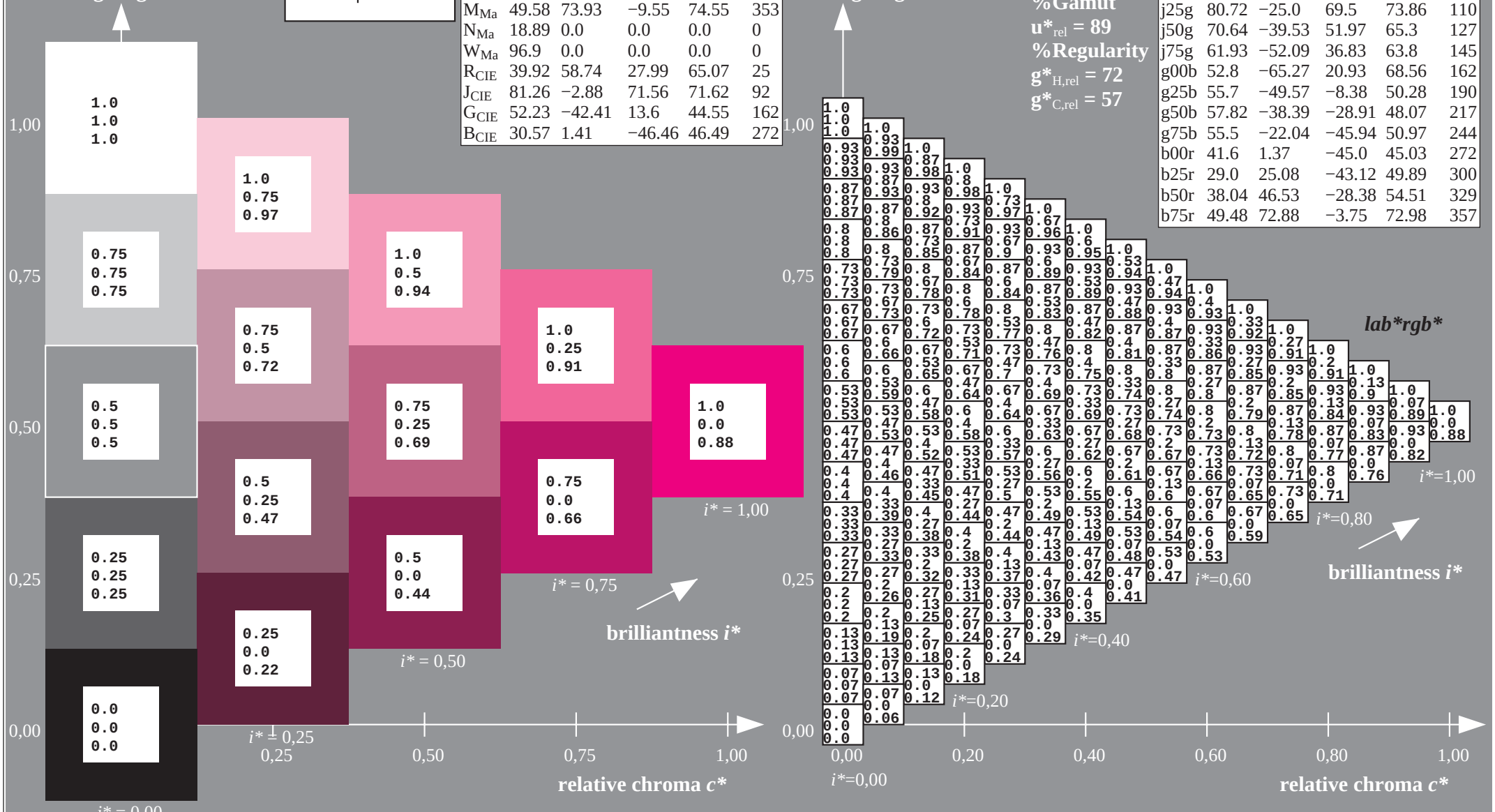
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 49 73 −3**
***LAB*LCH*Ma*: 49 73 357**
***lab*rgb*Ma*: 1.0 0.0 0.5**
***lab*olv*Ma*: 1.0 0.0 0.88**
triangle lightness *t**

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

u* = b75r
lab*rgb*

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

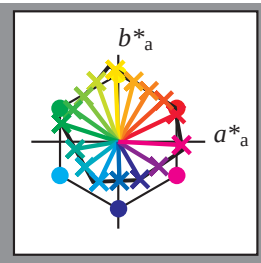


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*rgb*		
01	0.0 0.0 0.0	0.0 0.13 0.0	0.0 0.25 0.0	0.0 0.38 0.0	0.0 0.5 0.0	0.0 0.63 0.0	0.0 0.75 0.0	0.0 0.88 0.0	0.0 1.0 0.0	0.13 0.0 0.0	0.13 0.13 0.0	0.13 0.25 0.0	0.13 0.38 0.0	0.13 0.5 0.0	0.13 0.63 0.0	0.13 0.75 0.0	0.13 0.88 0.0	0.13 1.0 0.0	0.25 0.0 0.0	0.25 0.13 0.0	0.25 0.25 0.0	0.25 0.38 0.0	0.25 0.5 0.0	0.25 0.63 0.0	0.25 0.75 0.0	0.25 0.88 0.0	0.25 1.0 0.0	1.0 1.0 1.0	1.0 0.88 0.88	1.0 0.75 0.75	1.0 0.63 0.63	1.0 0.5 0.5	1.0 0.38 0.38	1.0 0.25 0.25	1.0 0.13 0.13	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
02	0.0 0.0 0.13	0.0 0.13 0.13	0.0 0.25 0.13	0.0 0.38 0.13	0.0 0.5 0.13	0.0 0.63 0.13	0.0 0.75 0.13	0.0 0.88 0.13	0.0 1.0 0.13	0.13 0.0 0.13	0.13 0.13 0.13	0.13 0.25 0.13	0.13 0.38 0.13	0.13 0.5 0.13	0.13 0.63 0.13	0.13 0.75 0.13	0.13 0.88 0.13	0.13 1.0 0.13	0.25 0.0 0.13	0.25 0.13 0.13	0.25 0.25 0.13	0.25 0.38 0.13	0.25 0.5 0.13	0.25 0.63 0.13	0.25 0.75 0.13	0.25 0.88 0.13	0.25 1.0 0.13	0.88 1.0 1.0	0.88 0.88 0.88	0.88 0.75 0.75	0.88 0.63 0.63	0.88 0.5 0.5	0.88 0.38 0.38	0.88 0.25 0.25	0.88 0.13 0.13	0.88 0.0 0.0	0.13 0.13 0.13	0.13 0.13 0.13	0.13 0.13 0.13	0.13 0.13 0.13
03	0.0 0.0 0.25	0.0 0.13 0.25	0.0 0.25 0.25	0.0 0.38 0.25	0.0 0.5 0.25	0.0 0.63 0.25	0.0 0.75 0.25	0.0 0.88 0.25	0.0 1.0 0.25	0.13 0.0 0.25	0.13 0.13 0.25	0.13 0.25 0.25	0.13 0.38 0.25	0.13 0.5 0.25	0.13 0.63 0.25	0.13 0.75 0.25	0.13 0.88 0.25	0.13 1.0 0.25	0.25 0.0 0.25	0.25 0.13 0.25	0.25 0.25 0.25	0.25 0.38 0.25	0.25 0.5 0.25	0.25 0.63 0.25	0.25 0.75 0.25	0.25 0.88 0.25	0.25 1.0 0.25	0.75 1.0 1.0	0.75 0.88 0.88	0.75 0.75 0.75	0.75 0.63 0.63	0.75 0.5 0.5	0.75 0.38 0.38	0.75 0.25 0.25	0.75 0.13 0.13	0.75 0.0 0.0	0.25 0.25 0.25	0.25 0.25 0.25	0.25 0.25 0.25	0.25 0.25 0.25
04	0.0 0.0 0.38	0.0 0.13 0.38	0.0 0.25 0.38	0.0 0.38 0.38	0.0 0.5 0.38	0.0 0.63 0.38	0.0 0.75 0.38	0.0 0.88 0.38	0.0 1.0 0.38	0.13 0.0 0.38	0.13 0.13 0.38	0.13 0.25 0.38	0.13 0.38 0.38	0.13 0.5 0.38	0.13 0.63 0.38	0.13 0.75 0.38	0.13 0.88 0.38	0.13 1.0 0.38	0.25 0.0 0.38	0.25 0.13 0.38	0.25 0.25 0.38	0.25 0.38 0.38	0.25 0.5 0.38	0.25 0.63 0.38	0.25 0.75 0.38	0.25 0.88 0.38	0.25 1.0 0.38	0.63 1.0 1.0	0.63 0.88 0.88	0.63 0.75 0.75	0.63 0.63 0.63	0.63 0.5 0.5	0.63 0.38 0.38	0.63 0.25 0.25	0.63 0.13 0.13	0.63 0.0 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
05	0.0 0.0 0.5	0.0 0.13 0.5	0.0 0.25 0.5	0.0 0.38 0.5	0.0 0.5 0.5	0.0 0.63 0.5	0.0 0.75 0.5	0.0 0.88 0.5	0.0 1.0 0.5	0.13 0.0 0.5	0.13 0.13 0.5	0.13 0.25 0.5	0.13 0.38 0.5	0.13 0.5 0.5	0.13 0.63 0.5	0.13 0.75 0.5	0.13 0.88 0.5	0.13 1.0 0.5	0.25 0.0 0.5	0.25 0.13 0.5	0.25 0.25 0.5	0.25 0.38 0.5	0.25 0.5 0.5	0.25 0.63 0.5	0.25 0.75 0.5	0.25 0.88 0.5	0.25 1.0 0.5	0.5 1.0 1.0	0.5 0.88 0.88	0.5 0.75 0.75	0.5 0.63 0.63	0.5 0.5 0.5	0.5 0.38 0.38	0.5 0.25 0.25	0.5 0.13 0.13	0.5 0.0 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
06	0.0 0.0 0.63	0.0 0.13 0.63	0.0 0.25 0.63	0.0 0.38 0.63	0.0 0.5 0.63	0.0 0.63 0.63	0.0 0.75 0.63	0.0 0.88 0.63	0.0 1.0 0.63	0.13 0.0 0.63	0.13 0.13 0.63	0.13 0.25 0.63	0.13 0.38 0.63	0.13 0.5 0.63	0.13 0.63 0.63	0.13 0.75 0.63	0.13 0.88 0.63	0.13 1.0 0.63	0.25 0.0 0.63	0.25 0.13 0.63	0.25 0.25 0.63	0.25 0.38 0.63	0.25 0.5 0.63	0.25 0.63 0.63	0.25 0.75 0.63	0.25 0.88 0.63	0.25 1.0 0.63	0.38 1.0 1.0	0.38 0.88 0.88	0.38 0.75 0.75	0.38 0.63 0.63	0.38 0.5 0.5	0.38 0.38 0.38	0.38 0.25 0.25	0.38 0.13 0.13	0.38 0.0 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
07	0.0 0.0 0.75	0.0 0.13 0.75	0.0 0.25 0.75	0.0 0.38 0.75	0.0 0.5 0.75	0.0 0.63 0.75	0.0 0.75 0.75	0.0 0.88 0.75	0.0 1.0 0.75	0.13 0.0 0.75	0.13 0.13 0.75	0.13 0.25 0.75	0.13 0.38 0.75	0.13 0.5 0.75	0.13 0.63 0.75	0.13 0.75 0.75	0.13 0.88 0.75	0.13 1.0 0.75	0.25 0.0 0.75	0.25 0.13 0.75	0.25 0.25 0.75	0.25 0.38 0.75	0.25 0.5 0.75	0.25 0.63 0.75	0.25 0.75 0.75	0.25 0.88 0.75	0.25 1.0 0.75	0.25 1.0 1.0	0.25 0.88 0.88	0.25 0.75 0.75	0.25 0.63 0.63	0.25 0.5 0.5	0.25 0.38 0.38	0.25 0.25 0.25	0.25 0.13 0.13	0.25 0.0 0.0	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75
08	0.0 0.0 0.88	0.0 0.13 0.88	0.0 0.25 0.88	0.0 0.38 0.88	0.0 0.5 0.88	0.0 0.63 0.88	0.0 0.75 0.88	0.0 0.88 0.88	0.0 1.0 0.88	0.13 0.0 0.88	0.13 0.13 0.88	0.13 0.25 0.88	0.13 0.38 0.88	0.13 0.5 0.88	0.13 0.63 0.88	0.13 0.75 0.88	0.13 0.88 0.88	0.13 1.0 0.88	0.25 0.0 0.88	0.25 0.13 0.88	0.25 0.25 0.88	0.25 0.38 0.88	0.25 0.5 0.88	0.25 0.63 0.88	0.25 0.75 0.88	0.25 0.88 0.88	0.25 1.0 0.88	0.13 1.0 1.0	0.13 0.88 0.88	0.13 0.75 0.75	0.13 0.63 0.63	0.13 0.5 0.5	0.13 0.38 0.38	0.13 0.25 0.25	0.13 0.13 0.13	0.13 0.0 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
09	0.0 0.0 1.0	0.0 0.13 1.0	0.0 0.25 1.0	0.0 0.38 1.0	0.0 0.5 1.0	0.0 0.63 1.0	0.0 0.75 1.0	0.0 0.88 1.0	0.0 1.0 1.0	0.13 0.0 1.0	0.13 0.13 1.0	0.13 0.25 1.0	0.13 0.38 1.0	0.13 0.5 1.0	0.13 0.63 1.0	0.13 0.75 1.0	0.13 0.88 1.0	0.13 1.0 1.0	0.25 0.0 1.0	0.25 0.13 1.0	0.25 0.25 1.0	0.25 0.38 1.0	0.25 0.5 1.0	0.25 0.63 1.0	0.25 0.75 1.0	0.25 0.88 1.0	0.25 1.0 1.0	0.0 1.0 1.0	0.0 0.88 0.88	0.0 0.75 0.75	0.0 0.63 0.63	0.0 0.5 0.5	0.0 0.38 0.38	0.0 0.25 0.25	0.0 0.13 0.13	0.0 0.0 0.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0
10	0.38 0.0 0.0	0.38 0.13 0.0	0.38 0.25 0.0	0.38 0.38 0.0	0.38 0.5 0.0	0.38 0.63 0.0	0.38 0.75 0.0	0.38 0.88 0.0	0.38 1.0 0.0	0.5 0.0 0.0	0.5 0.13 0.0	0.5 0.25 0.0	0.5 0.38 0.0	0.5 0.5 0.0	0.5 0.63 0.0	0.5 0.75 0.0	0.5 0.88 0.0	0.5 1.0 0.0	0.63 0.0 0.0	0.63 0.13 0.0	0.63 0.25 0.0	0.63 0.38 0.0	0.63 0.5 0.0	0.63 0.63 0.0	0.63 0.75 0.0	0.63 0.88 0.0	0.63 1.0 0.0	1.0 1.0 1.0	1.0 1.0 0.88	1.0 1.0 0.75	1.0 1.0 0.63	1.0 1.0 0.5	1.0 1.0 0.38	1.0 1.0 0.25	1.0 1.0 0.13	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
11	0.38 0.0 0.13	0.38 0.13 0.13	0.38 0.25 0.13	0.38 0.38 0.13	0.38 0.5 0.13	0.38 0.63 0.13	0.38 0.75 0.13	0.38 0.88 0.13	0.38 1.0 0.13	0.5 0.0 0.13	0.5 0.13 0.13	0.5 0.25 0.13	0.5 0.38 0.13	0.5 0.5 0.13	0.5 0.63 0.13	0.5 0.75 0.13	0.5 0.88 0.13	0.5 1.0 0.13	0.63 0.0 0.13	0.63 0.13 0.13	0.63 0.25 0.13	0.63 0.38 0.13	0.63 0.5 0.13	0.63 0.63 0.13	0.63 0.75 0.13	0.63 0.88 0.13	0.63 1.0 0.13	0.88 0.88 1.0	0.88 0.88 0.88	0.88 0.88 0.75	0.88 0.88 0.63	0.88 0.88 0.5	0.88 0.88 0.38	0.88 0.88 0.25	0.88 0.88 0.13	0.88 0.88 0.0	0.07 0.07 0.07	0.07 0.07 0.07	0.07 0.07 0.07	0.07 0.07 0.07
12	0.38 0.0 0.25	0.38 0.13 0.25	0.38 0.25 0.25	0.38 0.38 0.25	0.38 0.5 0.25	0.38 0.63 0.25	0.38 0.75 0.25	0.38 0.88 0.25	0.38 1.0 0.25	0.5 0.0 0.25	0.5 0.13 0.25	0.5 0.25 0.25	0.5 0.38 0.25	0.5 0.5 0.25	0.5 0.63 0.25	0.5 0.75 0.25	0.5 0.88 0.25	0.5 1.0 0.25	0.63 0.0 0.25	0.63 0.13 0.25	0.63 0.25 0.25	0.63 0.38 0.25	0.63 0.5 0.25	0.63 0.63 0.25	0.63 0.75 0.25	0.63 0.88 0.25	0.63 1.0 0.25	0.75 0.75 1.0	0.75 0.75 0.88	0.75 0.75 0.75	0.75 0.75 0.63	0.75 0.75 0.5	0.75 0.75 0.38	0.75 0.75 0.25	0.75 0.75 0.13	0.75 0.75 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
13	0.38 0.0 0.38	0.38 0.13 0.38	0.38 0.25 0.38	0.38 0.38 0.38	0.38 0.5 0.38	0.38 0.63 0.38	0.38 0.75 0.38	0.38 0.88 0.38	0.38 1.0 0.38	0.5 0.0 0.38	0.5 0.13 0.38	0.5 0.25 0.38	0.5 0.38 0.38	0.5 0.5 0.38	0.5 0.63 0.38	0.5 0.75 0.38	0.5 0.88 0.38	0.5 1.0 0.38	0.63 0.0 0.38	0.63 0.13 0.38	0.63 0.25 0.38	0.63 0.38 0.38	0.63 0.5 0.38	0.63 0.63 0.38	0.63 0.75 0.38	0.63 0.88 0.38	0.63 1.0 0.38	0.63 0.63 1.0	0.63 0.63 0.88	0.63 0.63 0.75	0.63 0.63 0.63	0.63 0.63 0.5	0.63 0.63 0.38	0.63 0.63 0.25	0.63 0.63 0.13	0.63 0.63 0.0	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2
14	0.38 0.0 0.5	0.38 0.13 0.5	0.38 0.25 0.5	0.38 0.38 0.5	0.38 0.5 0.5	0.38 0.63 0.5	0.38 0.75 0.5	0.38 0.88 0.5	0.38 1.0 0.5	0.5 0.0 0.5	0.5 0.13 0.5	0.5 0.25 0.5	0.5 0.38 0.5	0.5 0.5 0.5	0.5 0.63 0.5	0.5 0.75 0.5	0.5 0.88 0.5	0.5 1.0 0.5	0.63 0.0 0.5	0.63 0.13 0.5	0.63 0.25 0.5	0.63 0.38 0.5	0.63 0.5 0.5	0.63 0.63 0.5	0.63 0.75 0.5	0.63 0.88 0.5	0.63 1.0 0.5	0.5 0.5 1.0	0.5 0.5 0.88	0.5 0.5 0.75	0.5 0.5 0.63	0.5 0.5 0.5	0.5 0.5 0.38	0.5 0.5 0.25	0.5 0.5 0.13	0.5 0.5 0.0	0.27 0.27 0.27	0.27 0.27 0.27	0.27 0.27 0.27	0.27 0.27 0.27
15	0.38 0.0 0.63	0.38 0.13 0.63	0.38 0.25 0.63	0.38 0.38 0.63	0.38 0.5 0.63	0.38 0.63 0.63	0.38 0.75 0.63	0.38 0.88 0.63	0.38 1.0 0.63	0.5 0.0 0.63	0.5 0.13 0.63	0.5 0.25 0.63	0.5 0.38 0.63	0.5 0.5 0.63	0.5 0.63 0.63	0.5 0.75 0.63	0.5 0.88 0.63	0.5 1.0 0.63	0.63 0.0 0.63	0.63 0.13 0.63	0.63 0.25 0.63	0.63 0.38 0.63	0.63 0.5 0.63	0.63 0.63 0.63	0.63 0.75 0.63	0.63 0.88 0.63	0.63 1.0 0.63	0.38 0.38 1.0	0.38 0.38 0.88	0.38 0.38 0.75	0.38 0.38 0.63	0.38 0.38 0.5	0.38 0.38 0.38	0.38 0.38 0.25	0.38 0.38 0.13	0.38 0.38 0.0	0.33 0.33 0.33	0.33 0.33 0.33	0.33 0.33 0.33	0.33 0.33 0.33
16	0.38 0.0 0.75	0.38 0.13 0.75	0.38 0.25 0.75	0.38 0.38 0.75	0.38 0.5 0.75	0.38 0.63 0.75	0.38 0.75 0.75	0.38 0.88 0.75	0.38 1.0 0.75	0.5 0.0 0.75	0.5 0.13 0.75	0.5 0.25 0.75	0.5 0.38 0.75	0.5 0.5 0.75	0.5 0.63 0.75	0.5 0.75 0.75	0.5 0.88 0.75	0.5 1.0 0.75	0.63 0.0 0.75	0.63 0.13 0.75	0.63 0.25 0.75	0.63 0.38 0.75	0.63 0.5 0.75	0.63 0.63 0.75	0.63 0.75 0.75	0.63 0.88 0.75	0.63 1.0 0.75	0.25 0.25 1.0	0.25 0.25 0.88	0.25 0.25 0.75	0.25 0.25 0.63	0.25 0.25 0.5	0.25 0.25 0.38	0.25 0.25 0.25	0.25 0.25 0.13	0.25 0.25 0.0	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4
17	0.38 0.0 0.88	0.38 0.13 0.88	0.38 0.25 0.88	0.38 0.38 0.88	0.38 0.5 0.88	0.38 0.63 0.88	0.38 0.75 0.88	0.38 0.88 0.88	0.38 1.0 0.88	0.5 0.0 0.88	0.5 0.13 0.88	0.5 0.25 0.88	0.5 0.38 0.88	0.5 0.5 0.88	0.5 0.63 0.88	0.5 0.75 0.88	0.5 0.88 0.88	0.5 1.0 0.88	0.63 0.0 0.88	0.63 0.13 0.88	0.63 0.25 0.88	0.63 0.38 0.88	0.63 0.5 0.88	0.63 0.63 0.88	0.63 0.75 0.88	0.63 0.88 0.88	0.63 1.0 0.88	0.13 0.13 1.0	0.13 0.13 0.88	0.13 0.13 0.75	0.13 0.13 0.63	0.13 0.13 0.5	0.13 0.13 0.38	0.13 0.13 0.25	0.13 0.13 0.13	0.13 0.13 0.0	0.47 0.47 0.47	0.47 0.47 0.47	0.47 0.47 0.47	0.47 0.47 0.47
18	0.38 0.0 1.0	0.38 0.13 1.0	0.38 0.25 1.0	0.38 0.38 1.0	0.38 0.5 1.0	0.38 0.63 1.0	0.38 0.75 1.0	0.38 0.88 1.0	0.38 1.0 1.0	0.5 0.0 1.0	0.5 0.13 1.0	0.5 0.25 1.0	0.5 0.38 1.0	0.5 0.5 1.0	0.5 0.63 1.0	0.5 0.75 1.0	0.5 0.88 1.0	0.5 1.0 1.0	0.63 0.0 1.0	0.63 0.13 1.0	0.63 0.25 1.0	0.63 0.38 1.0	0.63 0.5 1.0	0.63 0.63 1.0	0.63 0.75 1.0	0.63 0.88 1.0	0.63 1.0 1.0	0.0 0.0 1.0	0.0 0.0 0.88	0.0 0.0 0.75	0.0 0.0 0.63	0.0 0.0 0.5	0.0 0.0 0.38	0.0 0.0 0.25	0.0 0.0 0.13	0.0 0.0 0.0	0.53 0.53 0.53	0.53 0.53 0.53	0.53 0.53 0.53	0.53 0.53 0.53
19	0.75 0.0 0.0	0.75 0.13 0.0	0.75 0.25 0.0	0.75 0.38 0.0	0.75 0.5 0.0	0.75 0.63 0.0	0.75 0.75 0.0	0.75 0.88 0.0	0.75 1.0 0.0	0.88 0.0 0.0	0.88 0.13 0.0	0.88 0.25 0.0	0.88 0.38 0.0	0.88 0.5 0.0	0.88 0.63 0.0	0.88 0.75 0.0	0.88 0.88 0.0	0.88 1.0 0.0	1.0 0.0 0.0	1.0 0.13 0.0	1.0 0.25 0.0	1.0 0.38 0.0	1.0 0.5 0.0	1.0 0.63 0.0	1.0 0.75 0.0	1.0 0.88 0.0	1.0 1.0 0.0	1.0 1.0 1.0	0.88 1.0 0.88	0.75 1.0 0.75	0.63 1.0 0.63	0.5 1.0 0.5	0.38 1.0 0.38	0.25 1.0 0.25	0.13 1.0 0.13	0.0 1.0 0.0	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6
20	0.75 0.0 0.13	0.75 0.13 0.13	0.75 0.25 0.13	0.75 0.38 0.13	0.75 0.5 0.13	0.75 0.63 0.13	0.75 0.75 0.13	0.75 0.88 0.13	0.75 1.0 0.13	0.88 0.0 0.13	0.88 0.13 0.13	0.88 0.25 0.13	0.88 0.38 0.13	0.88 0.5 0.13	0.88 0.63 0.13	0.88 0.75 0.13	0.88 0.88 0.13	0.88 1.0 0.13	1.0 0.0 0.13	1.0 0.13 0.13	1.0 0.25 0.13	1.0 0.38 0.13	1.0 0.5 0.13	1.0 0.63 0.13	1.0 0.75 0.13	1.0 0.88 0.13	1.0 1.0 0.13	1.0 0.88 1.0	0.88 0.88 0.88	0.75 0.88 0.75	0.63 0.88 0.63	0.5 0.88 0.5	0.38 0.88 0.38	0.25 0.88 0.25	0.13 0.88 0.13	0.0 0.88 0.0	0.67 0.67 0.67	0.67 0.67 0.67	0.67 0.67 0.67	0.67 0.67 0.67
21	0.75 0.0 0.25	0.75 0.13 0.25	0.75 0.25 0.25	0.75 0.38 0.25	0.75 0.5 0.25	0.75 0.63 0.25	0.75 0.75 0.25	0.75 0.88 0.25	0.75 1.0 0.25	0.88 0.0 0.25	0.88 0.13 0.25	0.88 0.25 0.25	0.88 0.38 0.25	0.88 0.5 0.25	0.88 0.63 0.25	0.88 0.75 0.25	0.88 0.88 0.25	0.88 1.0 0.25	1.0 0.0 0.25	1.0 0.13 0.25	1.0 0.25 0.25	1.0 0.38 0.25	1.0 0.5 0.25	1.0 0.63 0.25	1.0 0.75 0.25	1.0 0.88 0.25	1.0 1.0 0.25	1.0 0.75 1.0	0.88 0.75 0.88	0.75 0.75 0.75	0.63 0.75 0.63	0.5 0.75 0.5	0.38 0.75 0.38	0.25 0.75 0.25	0.13 0.75 0.13	0.0 0.75 0.0	0.73 0.73 0.73	0.73 0.73 0.73	0.73 0.73 0.73	0.73 0.73 0.73
22	0.75 0.0 0.38	0.75 0.13 0.38	0.75 0.25 0.38	0.75 0.38 0.38	0.75 0.5 0.38	0.75 0.63 0.38	0.75 0.75 0.38	0.75 0.88 0.38	0.75 1.0 0.38	0.88 0.0 0.38	0.88 0.13 0.38	0.88 0.25 0.38	0.88 0.38 0.38	0.88 0.5 0.38	0.88 0.63 0.38	0.88 0.75 0.38	0.88 0.88 0.38	0.88 1.0 0.38	1.0 0.0 0.38	1.0 0.13 0.38	1.0 0.25 0.38	1.0 0.38 0.38	1.0 0.5 0.38	1.0 0.63 0.38	1.0 0.75 0.38	1.0 0.88 0.38	1.0 1.0 0.38	1.0 0.63 1.0	0.88 0.63 0.88	0.75 0.63 0.75	0.63 0.63 0.63	0.5 0.63 0.5	0.38 0.63 0.38	0.25 0.63 0.25	0.13 0.63 0.13	0.0 0.63 0.0	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8
23	0.75 0.0 0.5	0.75 0.13 0.5	0.75 0.25 0.5	0.75 0.38 0.5	0.75 0.5 0.5	0.75 0.63 0.5	0.75 0.75 0.5	0.75 0.88 0.5	0.75 1.0 0.5	0.88 0.0 0.5	0.88 0.13 0.5	0.88 0.25 0.5	0.88 0.38 0.5	0.88 0.5 0.5	0.88 0.63 0.5	0.88 0.75 0.5	0.88 0.88 0.5	0.88 1.0 0.5	1.0 0.0 0.5	1.0 0.13 0.5	1.0 0.25 0.5	1.0 0.38 0.5	1.0 0.5 0.5	1.0 0.63 0.5	1.0 0.75 0.5	1.0 0.88 0.5	1.0 1.0 0.5	1.0 0.5 1.0	0.88 0.5 0.88	0.75 0.5 0.75	0.63 0.5 0.63	0.5 0.5 0.5	0.38 0.5 0.38	0.25 0.5 0.25	0.13 0.5 0.13	0.0 0.5 0.0	0.87 0.87 0.87	0.87 0.87 0.87	0.87 0.87 0.87	0.87 0.87 0.87
24	0.75 0.0 0.63	0.75 0.13 0.63	0.75 0.25 0.63	0.75 0.38 0.63	0.75 0.5 0.63	0.75 0.63 0.63	0.75 0.75 0.63	0.75 0.88 0.63	0.75 1.0 0.63	0.88 0.0 0.63	0.88 0.13 0.63	0.88 0.25 0.63	0.88 0.38 0.63	0.88 0.5 0.63	0.88 0.63 0.63	0.88 0.75 0.63	0.88 0.88 0.63	0.88 1.0 0.63	1.0 0.0 0.63	1.0 0.13 0.63	1.0 0.25 0.63	1.0 0.38 0.63	1.0 0.5 0.63	1.0 0.63 0.63	1.0 0.75 0.63	1.0 0.88 0.63	1.0 1.0 0.63	1.0 0.38 1.0	0.88 0.38 0.88	0.75 0.38 0.75	0.63 0.38 0.63	0.5 0.38 0.5	0.38 0.38 0.38	0.25 0.38 0.25	0.13 0.38 0.13	0.0 0.38 0.0	0.93 0.93 0.93	0.93 0.93 0.93	0.93 0.93 0.93	0.93 0.93 0.93
25	0.75 0.0 0.75	0.75 0.13 0.75	0.75 0.25 0.75	0.75 0.38 0.75	0.75 0.5 0.75	0.75 0.63 0.75	0.75 0.75 0.75	0.75 0.88 0.75	0.75 1.0 0.75	0.88 0.0 0.75	0.88 0.13 0.75	0.88 0.25 0.75	0.88 0.38 0.75	0.88 0.5 0.75	0.88 0.63 0.75	0.88 0.75 0.75	0.88 0.88 0.75	0.88 1.0 0.75	1.0 0.0 0.75	1.0 0.13 0.75	1.0 0.25 0.75	1.0 0.38 0.75	1.0 0.5 0.75	1.0 0.63 0.75	1.0 0.75 0.75	1.0 0.88 0.75	1.0 1.0 0.75	1.0 0.25 1.0	0.88 0.25 0.88	0.75 0.25 0.75	0.63 0.25 0.63	0.5 0.25 0.5	0.38 0.25 0.38	0.25 0.25 0.25	0.13 0.25 0.13	0.0 0.25 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
26	0.75 0.0 0.88	0.75 0.13 0.88	0.75 0.25 0.88	0.75 0.38 0.88	0.75 0.5 0.88	0.75 0.63 0.88	0.75 0.75 0.88	0.75 0.88 0.88	0.75 1.0 0.88	0.88 0.0 0.88	0.88 0.13 0.88	0.88 0.25 0.88	0.88 0.38 0.88	0.88 0.5 0.88	0.88 0.63 0.88	0.88 0.75 0.88	0.88 0.88 0.88	0.88 1.0 0.88	1.0 0.0 0.88	1.0 0.13 0.88	1.0 0.25 0.88	1.0 0.38 0.88	1.0 0.5 0.88	1.0 0.63 0.88	1.0 0.75 0.88	1.0 0.88 0.88	1.0 1.0 0.88	1.0 0.13 1.0	0.88 0.13 0.88	0.75 0.13 0.75	0.63 0.13 0.63	0.5 0.13 0.5	0.38 0.13 0.38	0.25 0.13 0.25	0.13 0.13 0.13	0.0 0.13 0.0	0.0 0.0 0.0	1.0 0.0 0.0	1.0 1.0 0.0	0.0 1.0 0.0
27	0.75 0.0 1.0	0.75 0.13 1.0	0.75 0.25 1.0	0.75 0.38 1.0	0.75 0.5 1.0	0.75 0.63 1.0	0.75 0.75 1.0	0.75 0.88 1.0	0.75 1.0 1.0	0.88 0.0 1.0	0.88 0.13 1.0	0.88 0.25 1.0	0.88 0.38 1.0	0.88 0.5 1.0	0.88 0.63 1.0	0.88 0.75 1.0	0.88 0.88 1.0	0.88 1.0 1.0	1.0 0.0 1.0	1.0 0.13 1.0	1.0 0.25 1.0	1.0 0.38 1.0	1.0 0.5 1.0	1.0 0.63 1.0	1.0 0.75 1.0	1.0 0.88 1.0	1.0 1.0 1.0	1.0 0.0 1.0	0.88 0.0 0.88	0.75 0.0 0.75	0.63 0.0 0.63	0.5 0.0 0.5	0.38 0.0 0.38	0.25 0.0 0.25	0.13 0.0 0.13	0.0 0.0 0.0	1.0 1.0 1.0	0.0 1.0 1.0	0.0 0.0 1.0	1.0 0.0 1.0

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

ORS19_96a; adapted (a) CIELAB data

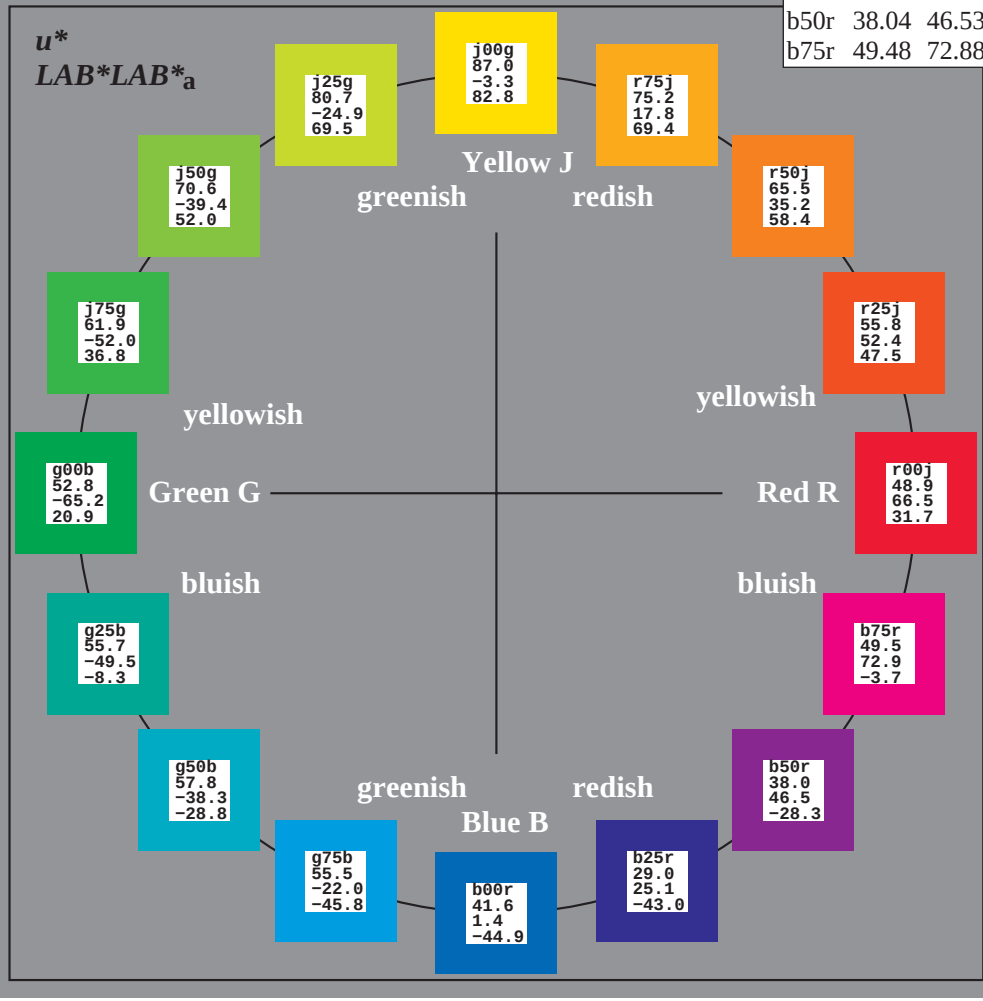
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

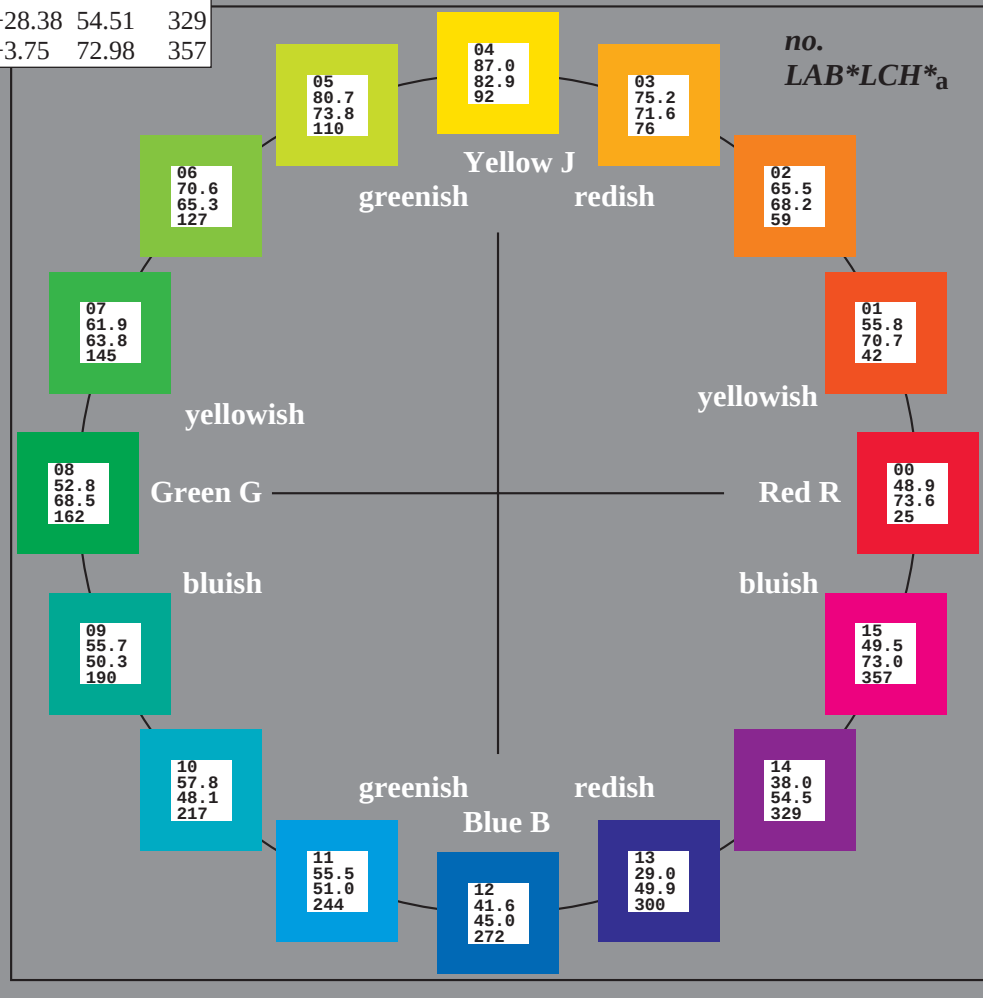


%Gamut
$u^*_{rel} = 89$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

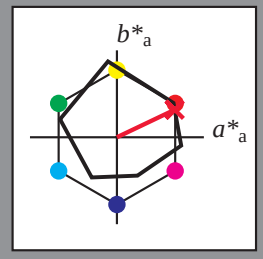
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

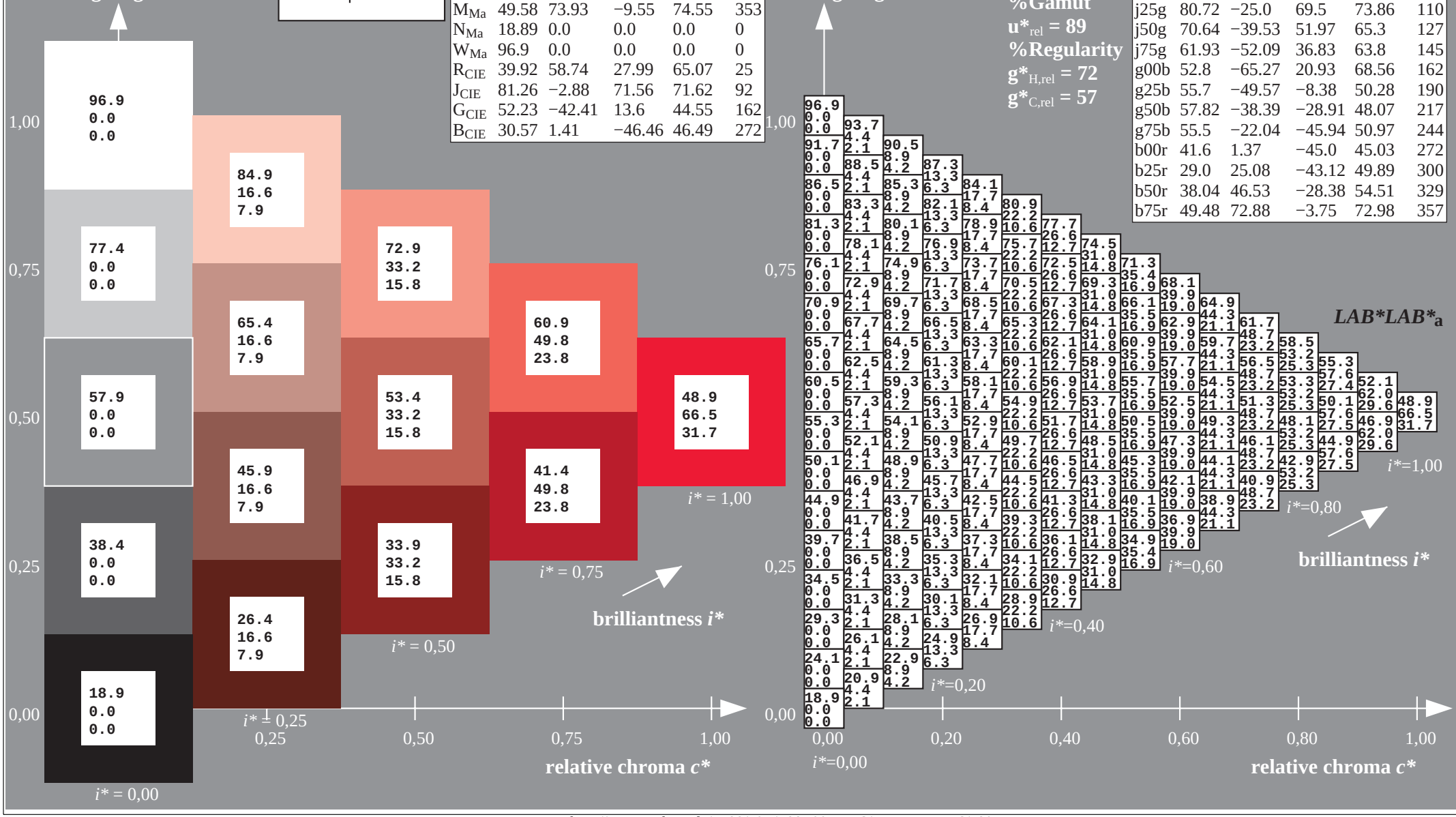
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 49 66 32**
***LAB*LCH*Ma*: 49 74 25**
***lab*rgb*Ma*: 1.0 0.0 0.0**
***lab*olv*Ma*: 1.0 0.0 0.16**
triangle lightness *t**

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

u* = r00j
LAB*LAB*a

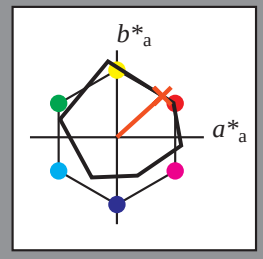
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

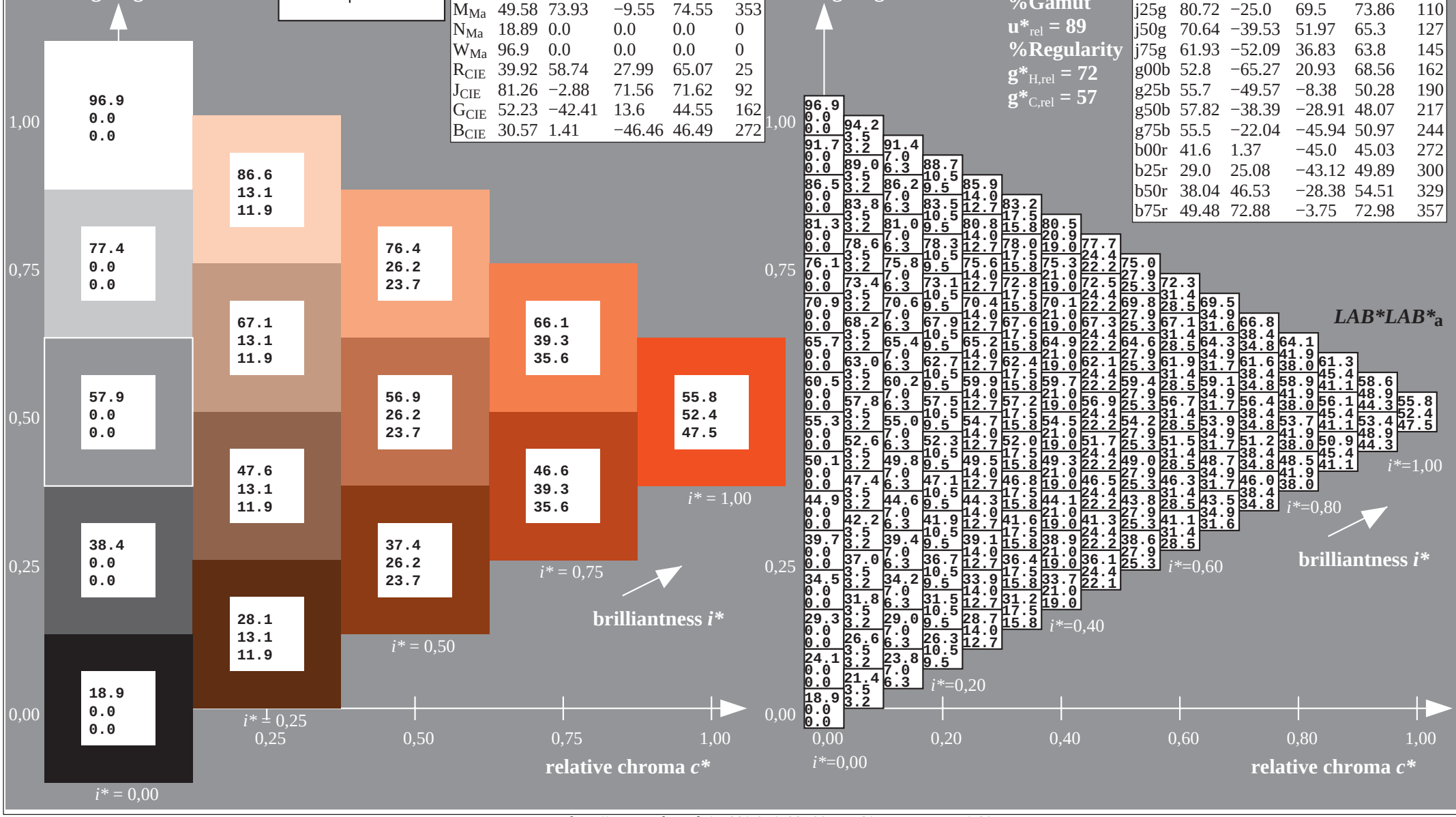
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 56 52 47**
***LAB*LCH*Ma*: 56 71 42**
***lab*rgb*Ma*: 1.0 0.25 0.0**
***lab*olv*Ma*: 1.0 0.17 0.0**
triangle lightness *t**

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

u* = r25j
LAB*LAB*a

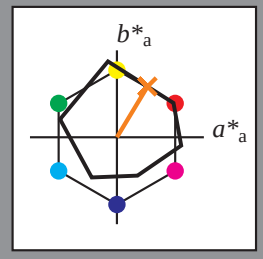
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

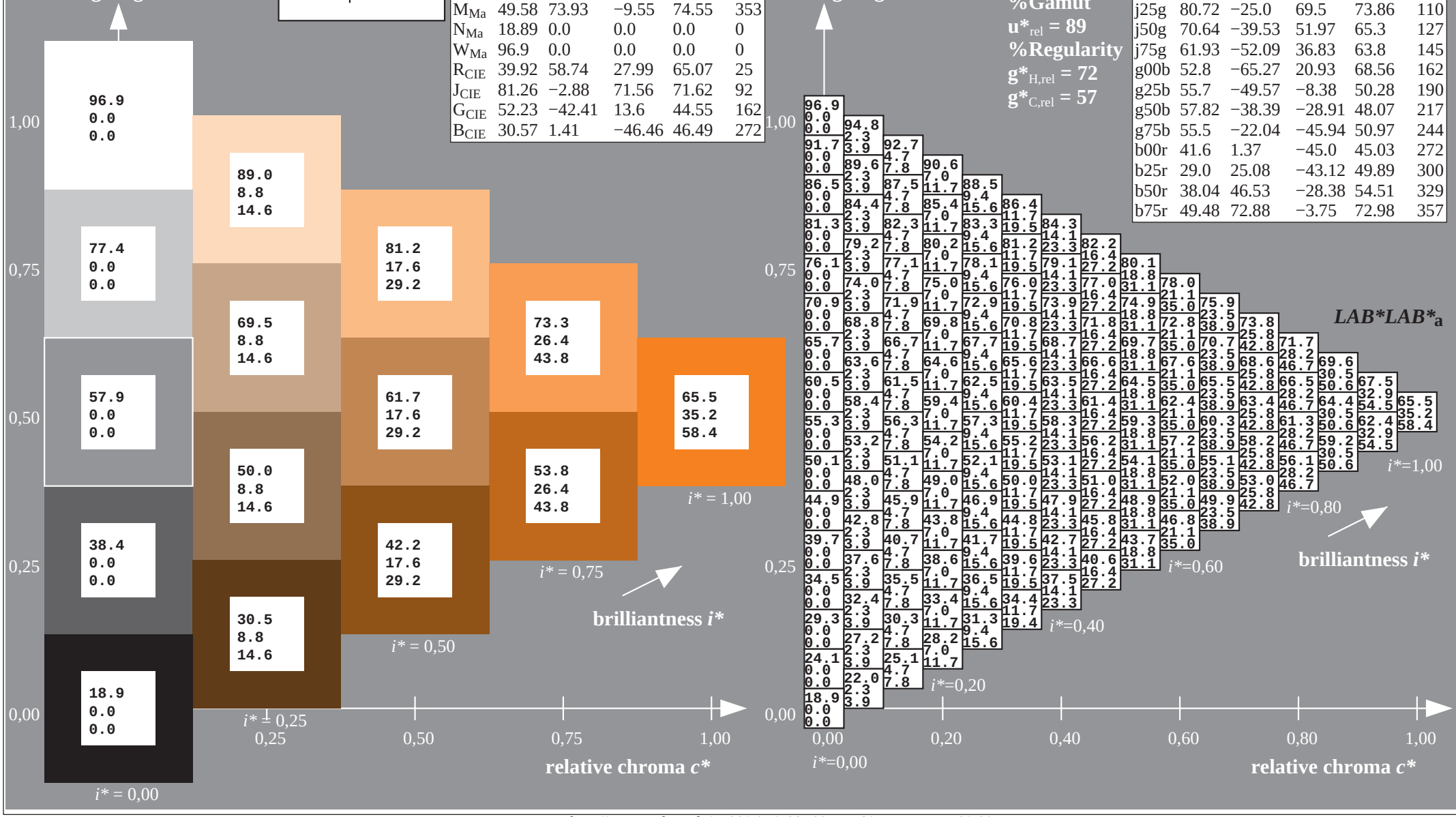
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

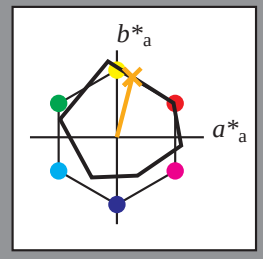
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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

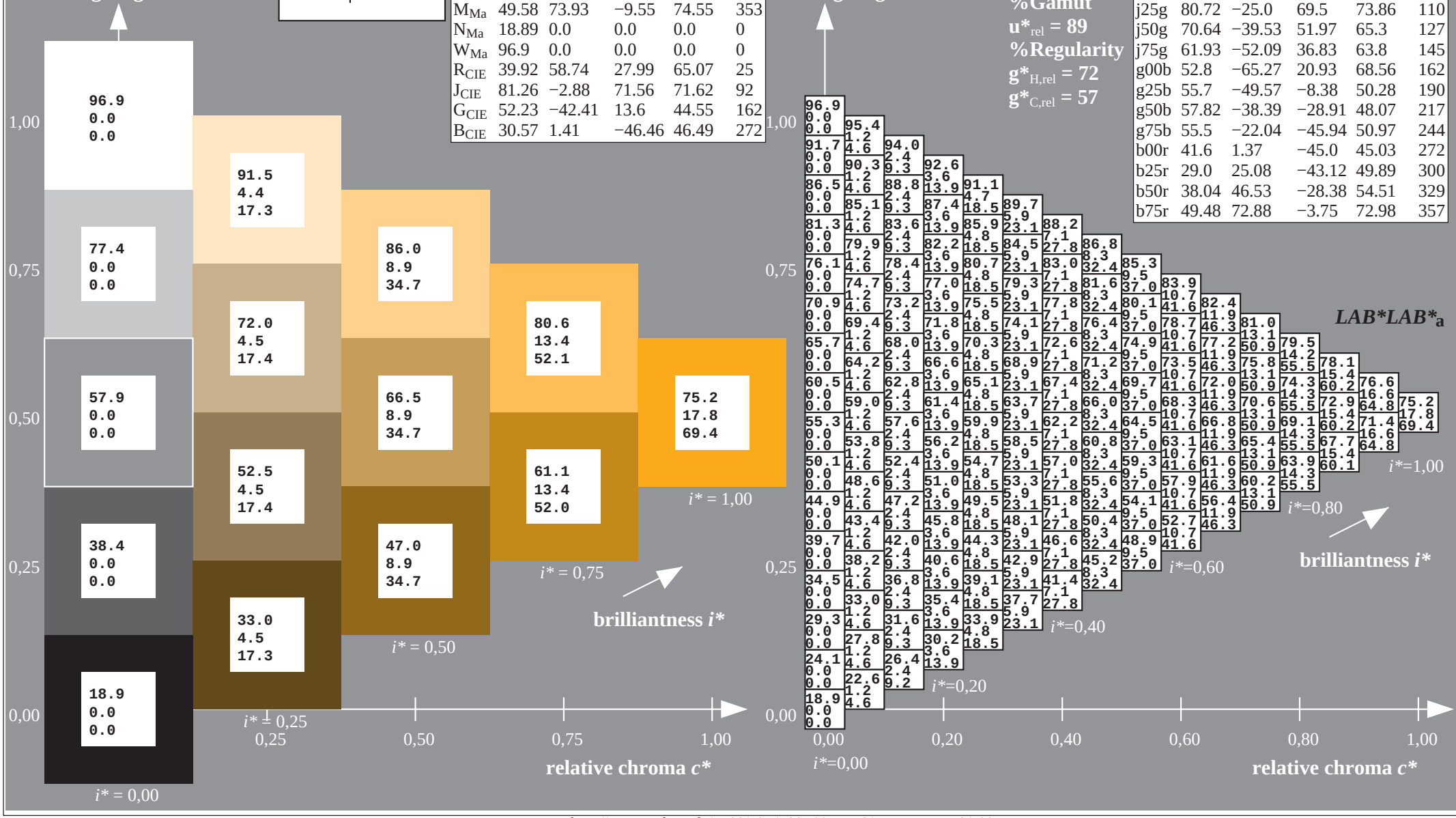
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 75 18 69**
***LAB*LCH*Ma*: 75 72 76**
***lab*rgb*Ma*: 1.0 0.75 0.0**
***lab*olv*Ma*: 1.0 0.63 0.0**
triangle lightness *t**

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

u* = r75j
LAB*LAB*a

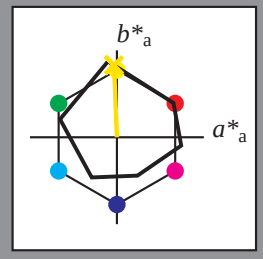
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

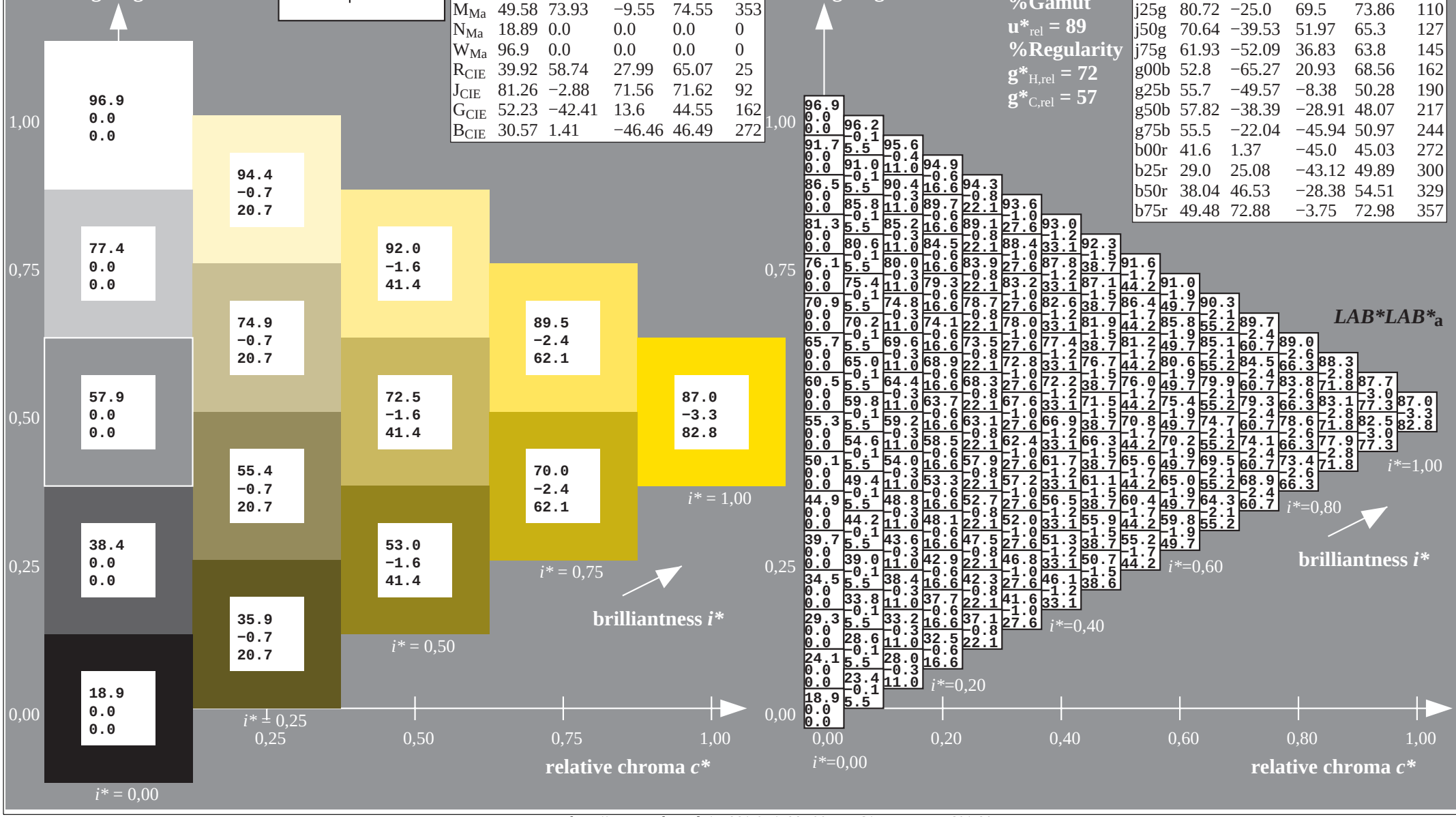
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 87 −2 83**
***LAB*LCH*Ma*: 87 83 92**
***lab*rgb*Ma*: 1.0 1.0 0.0**
***lab*olv*Ma*: 1.0 0.91 0.0**
triangle lightness *t**

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

u* = j00g
LAB*LAB*a

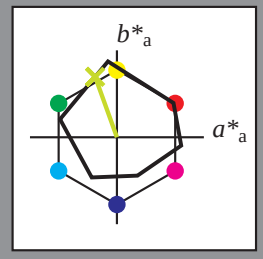
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

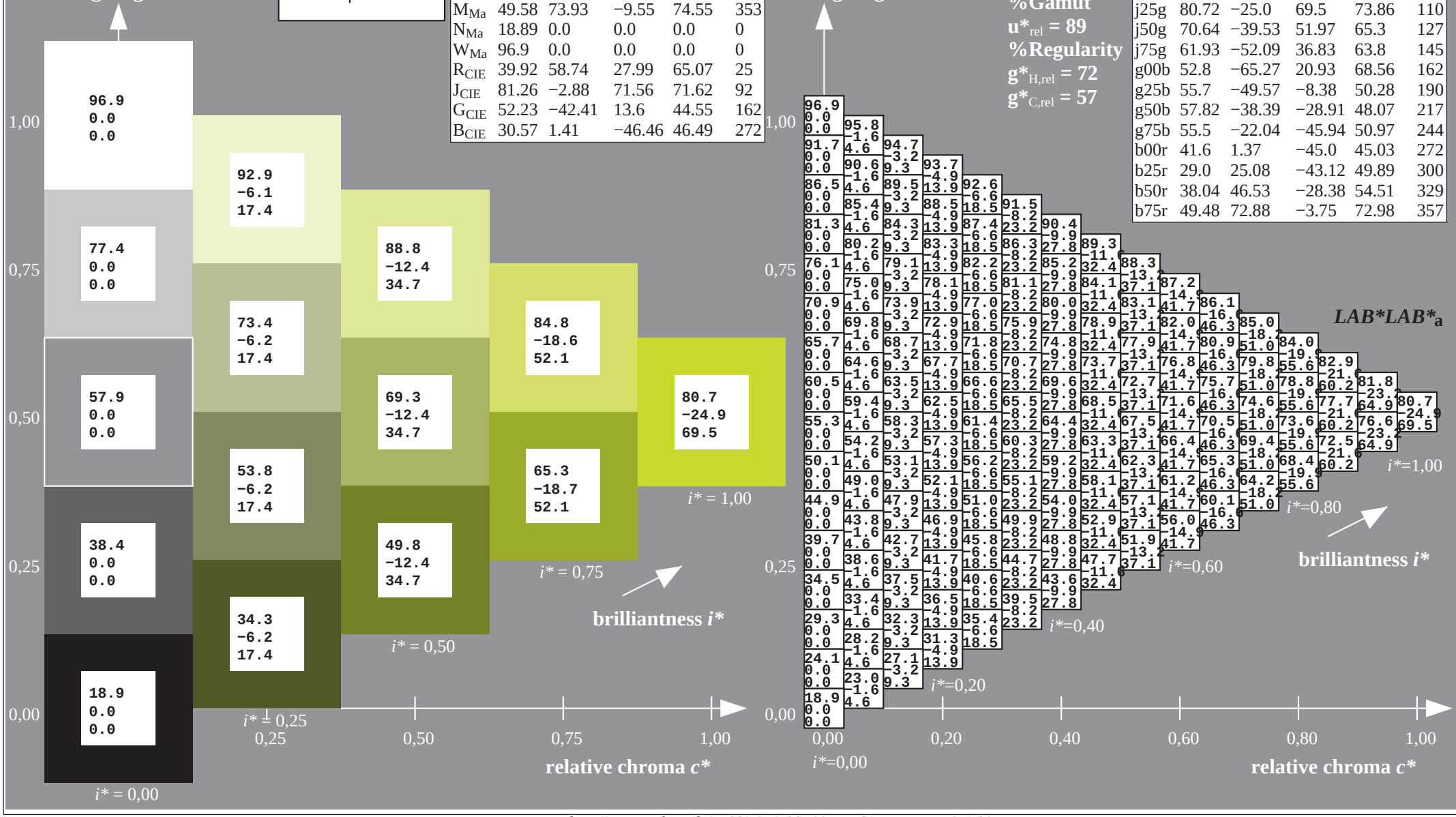
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 81 −24 69**
***LAB*LCH*Ma*: 81 74 110**
***lab*rgb*Ma*: 0.75 1.0 0.0**
***lab*olv*Ma*: 0.73 1.0 0.0**
triangle lightness *t**

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

u* = j25g
LAB*LAB*a

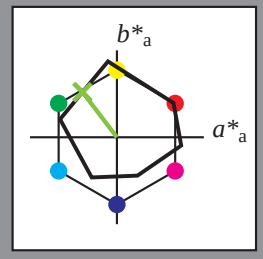
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

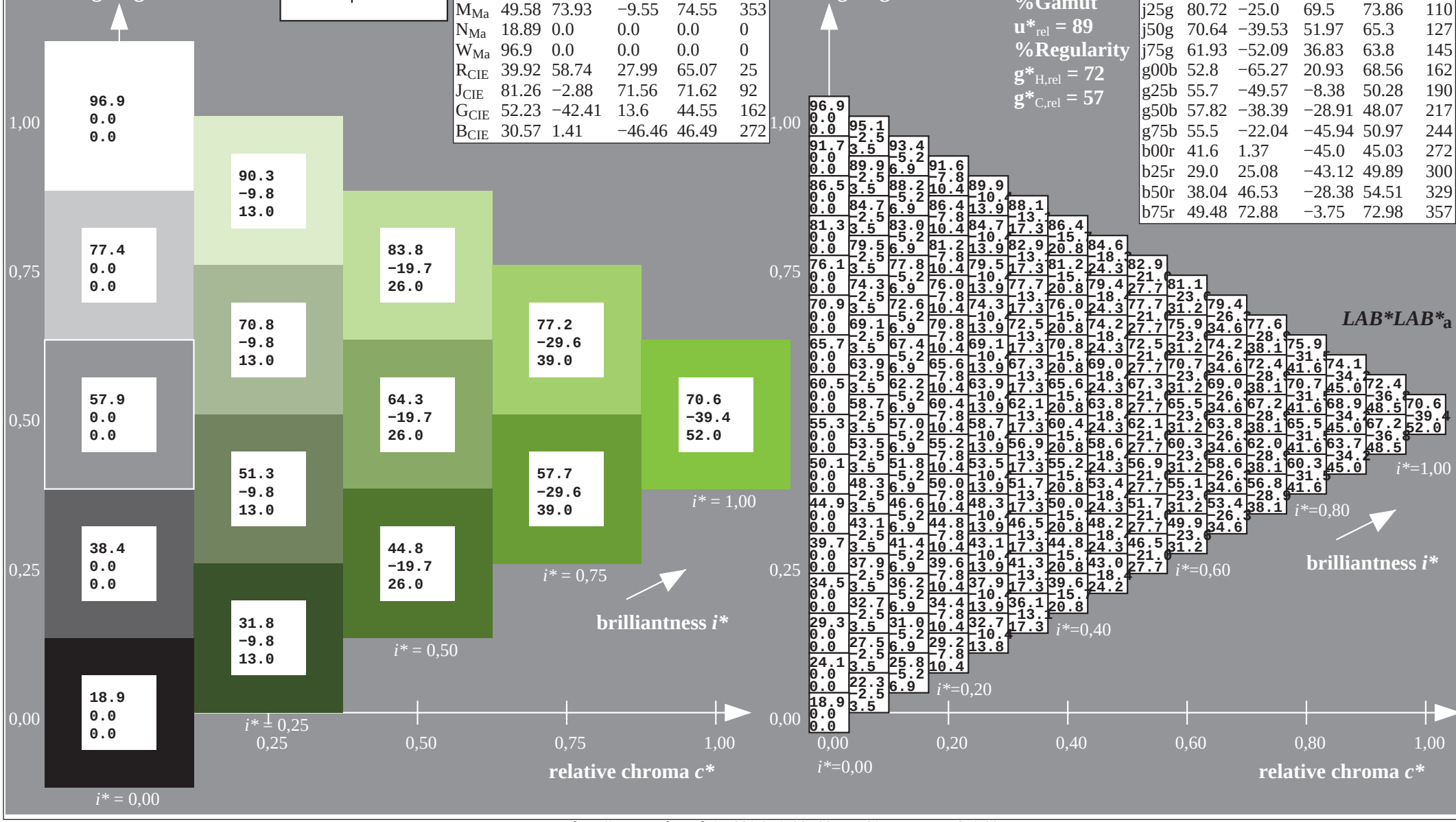
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 71 −39 52**
***LAB*LCH*Ma*: 71 65 127**
***lab*rgb*Ma*: 0.5 1.0 0.0**
***lab*olv*Ma*: 0.47 1.0 0.0**
triangle lightness *t**

u* = j50g
LAB*LAB*a

ORS19_96a; adapted (a) CIELAB data

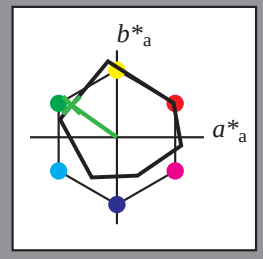
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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
$g^*_{C,rel}$ = 96



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

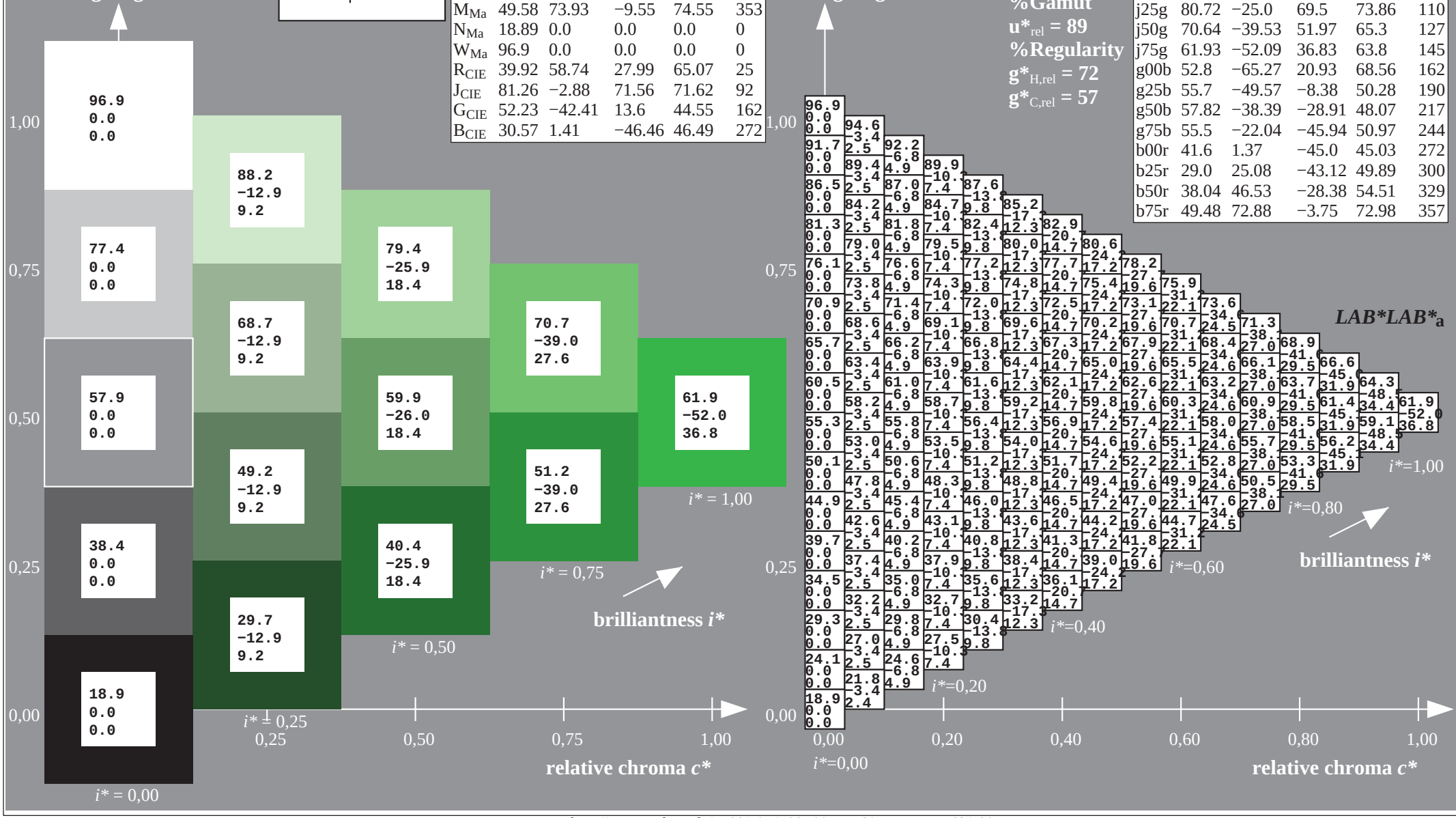
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 62 −51 37**
***LAB*LCH*Ma*: 62 64 145**
***lab*rgb*Ma*: 0.25 1.0 0.0**
***lab*olv*Ma*: 0.24 1.0 0.0**
triangle lightness *t**

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

u* = j75g
LAB*LAB*a

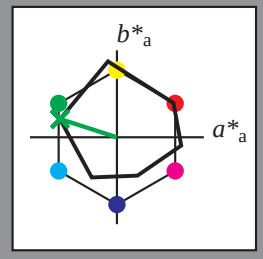
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

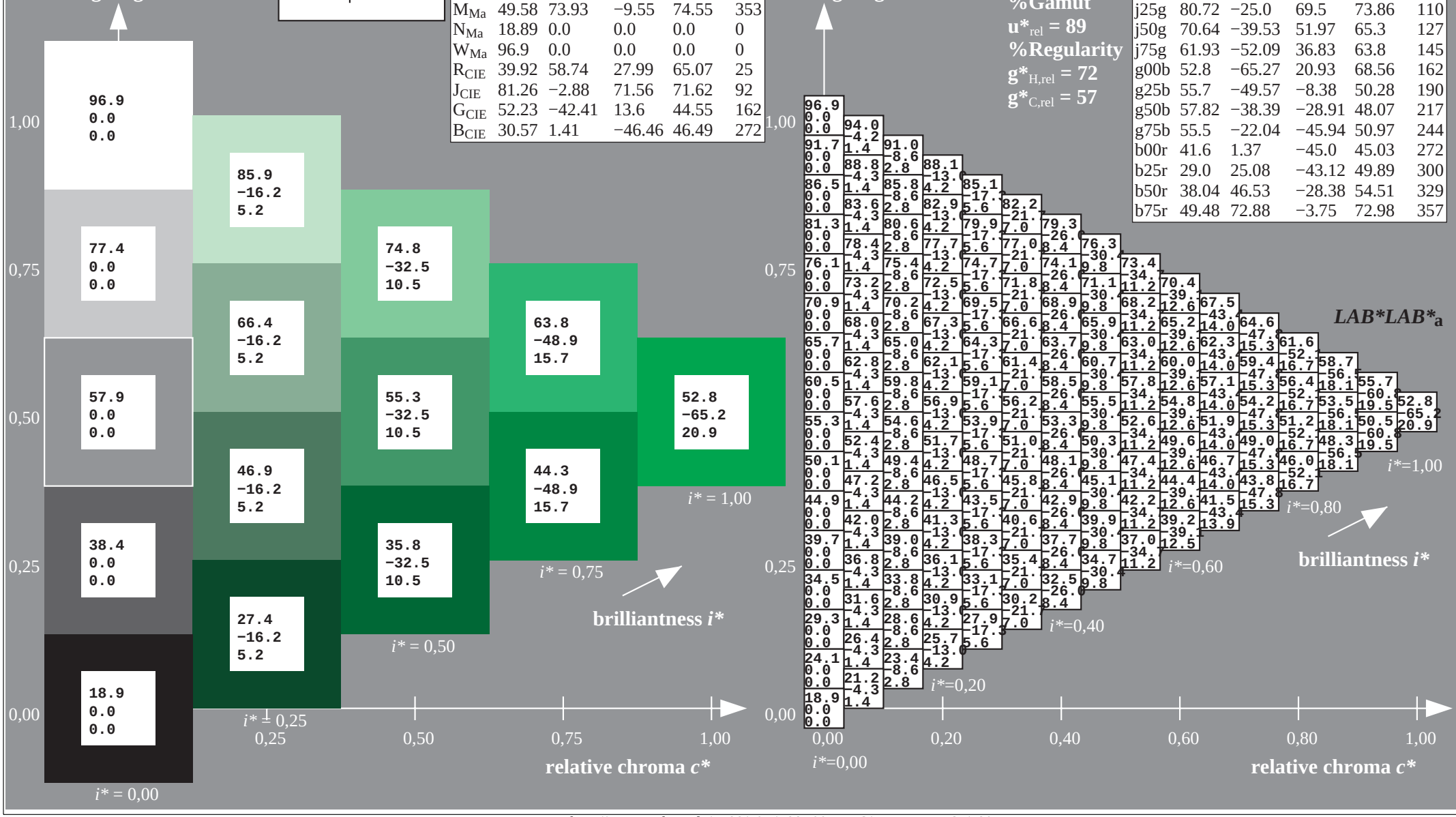
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 53 −64 21**
***LAB*LCH*Ma*: 53 69 162**
***lab*rgb*Ma*: 0.0 1.0 0.0**
***lab*olv*Ma*: 0.0 1.0 0.0**
triangle lightness *t**

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

u* = g00b
LAB*LAB*a

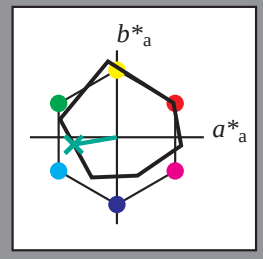
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

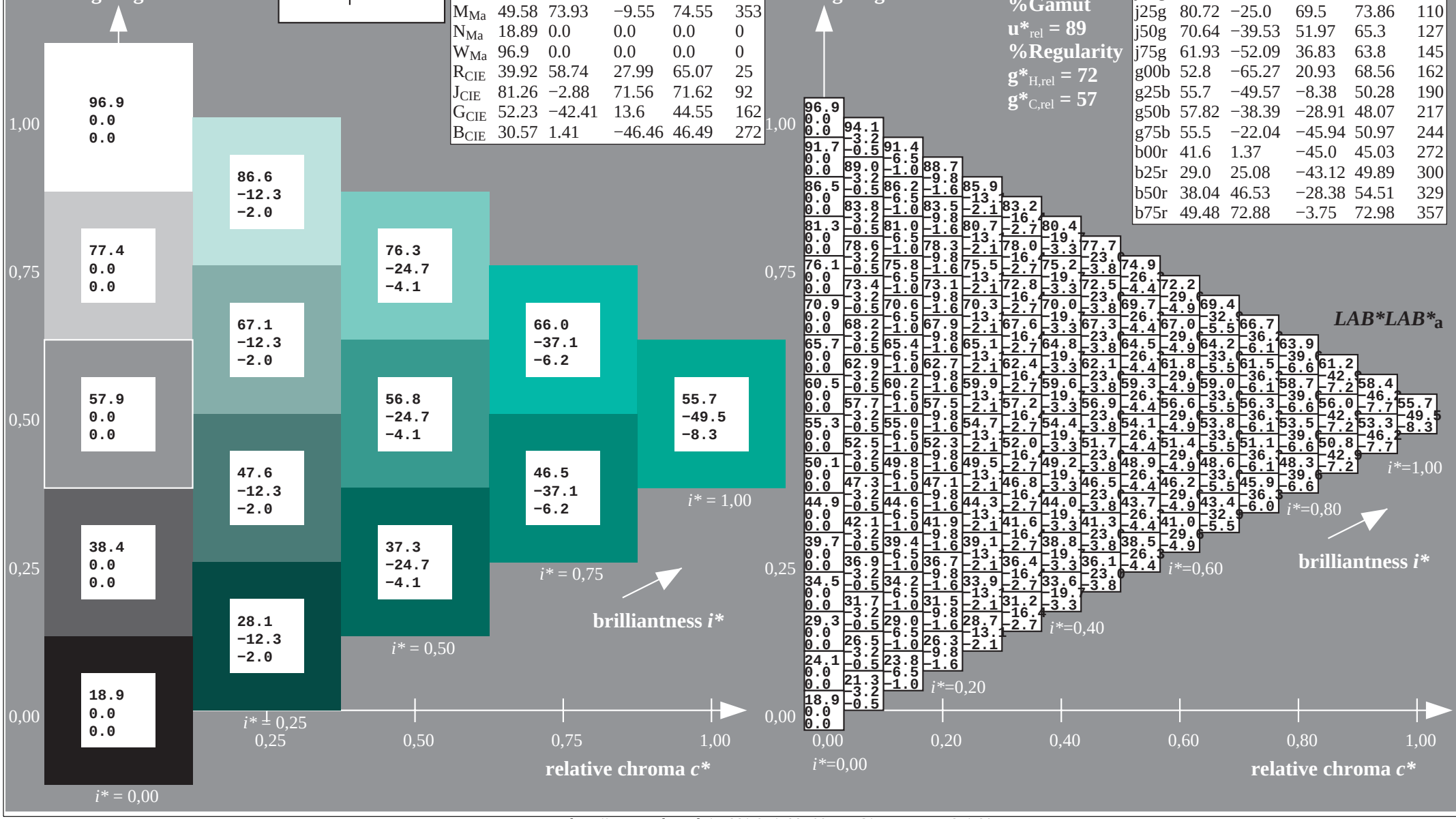
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 56 −49 −7**
***LAB*LCH*Ma*: 56 50 190**
***lab*rgb*Ma*: 0.0 1.0 0.5**
***lab*olv*Ma*: 0.0 1.0 0.44**
triangle lightness *t**

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

u* = g25b
LAB*LAB*a

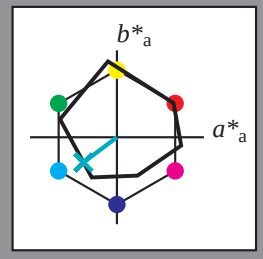
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

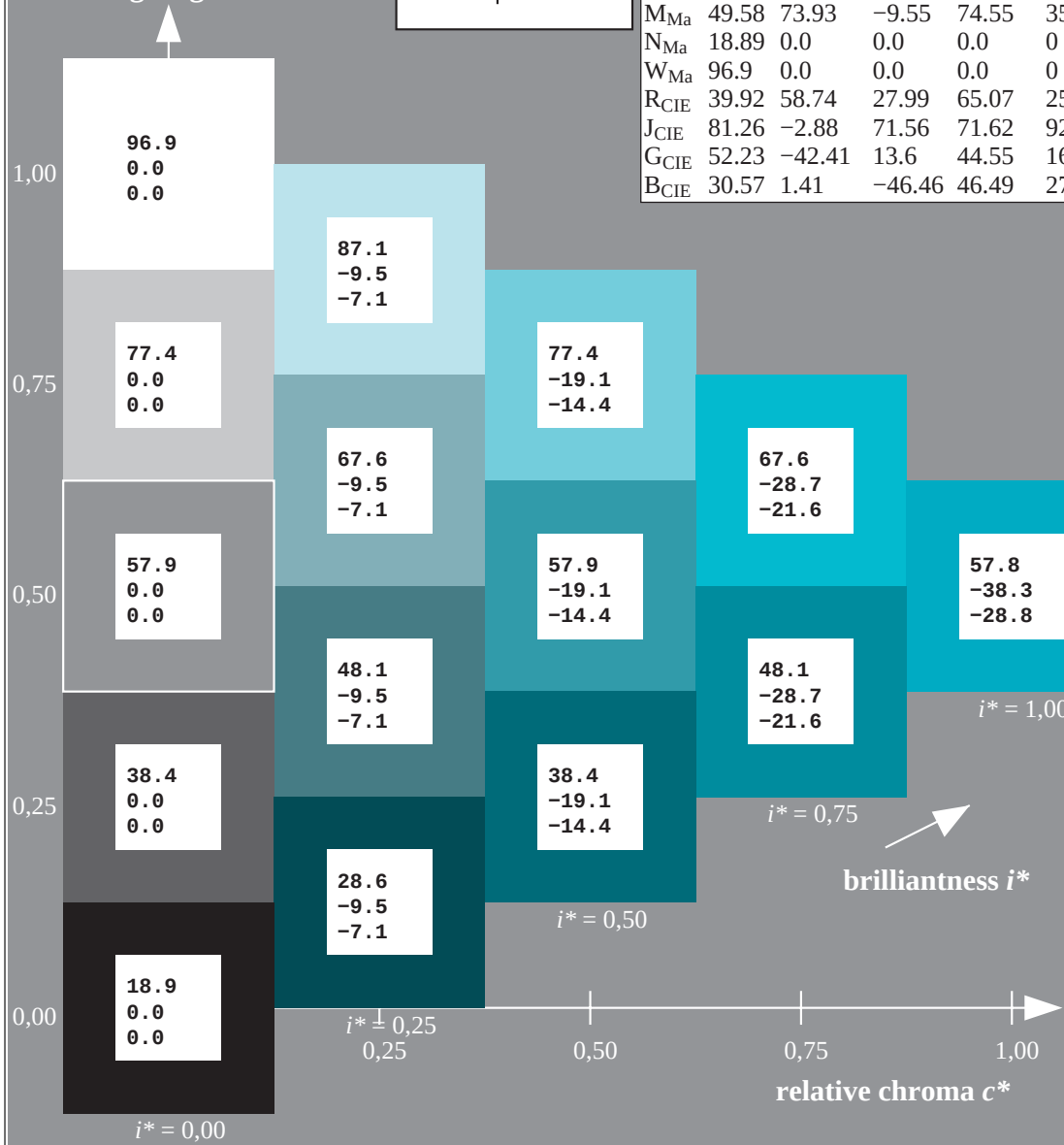
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 58 −37 −28**
***LAB*LCH*Ma*: 58 48 217**
***lab*rgb*Ma*: 0.0 1.0 1.0**
***lab*olv*Ma*: 0.0 1.0 0.74**
triangle lightness *t**

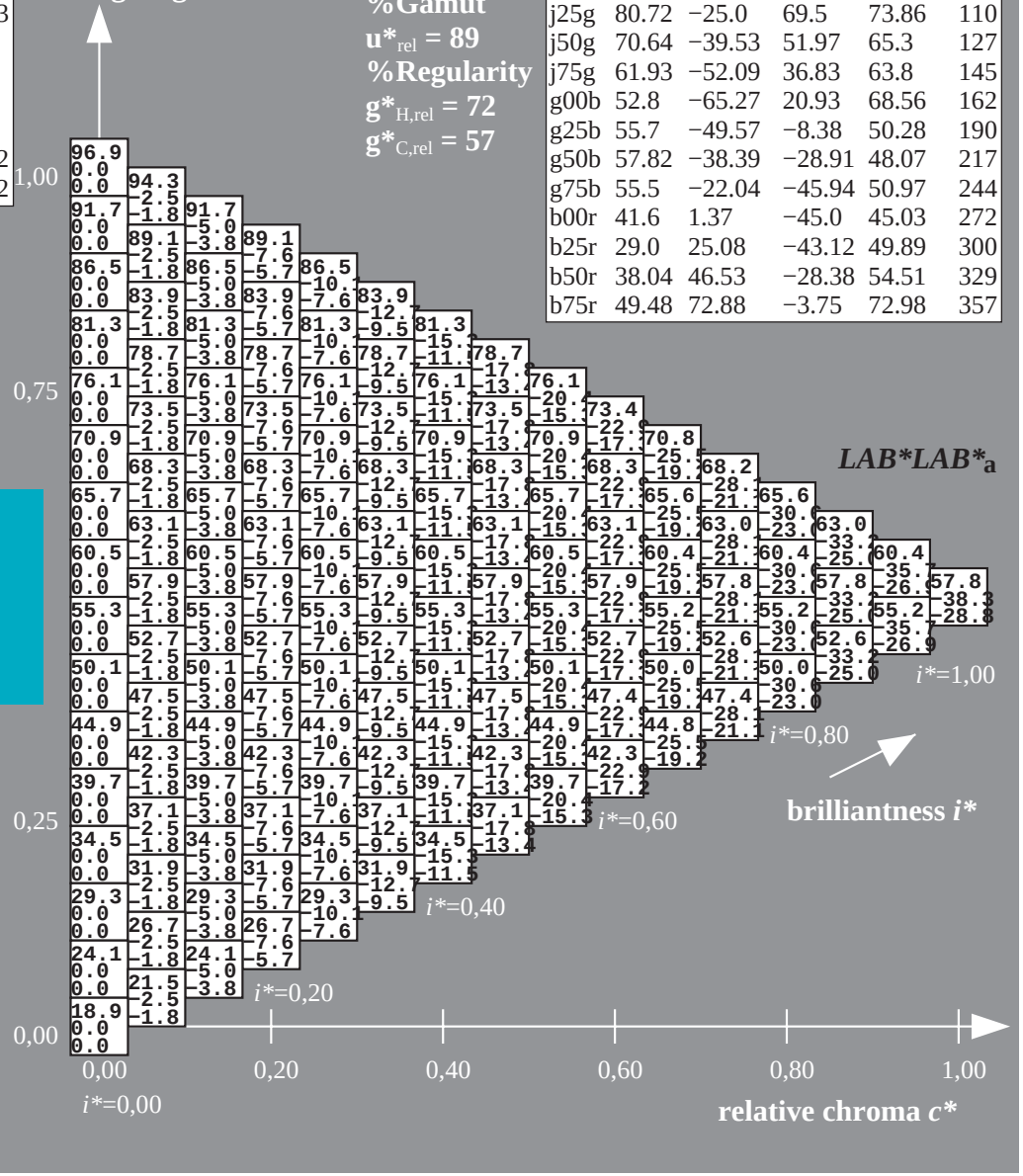
%Gamut
$u^*_{rel} = 89$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

u* = g50b
LAB*LAB*a

ORS19_96a; adapted (a) CIELAB data

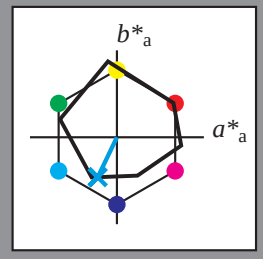
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

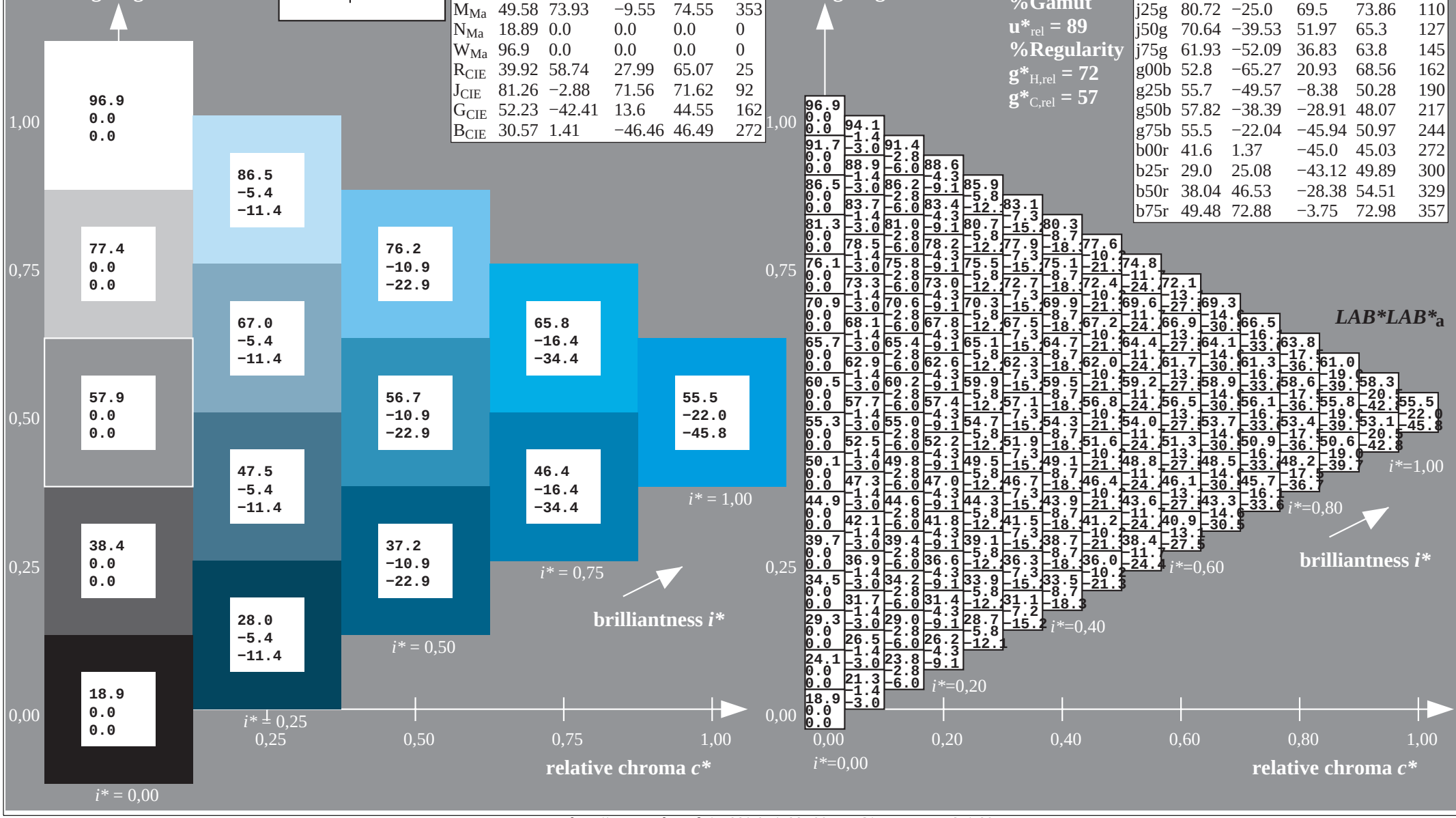
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 55 −21 −45**
***LAB*LCH*Ma*: 55 51 244**
***lab*rgb*Ma*: 0.0 0.5 1.0**
***lab*olv*Ma*: 0.0 0.87 1.0**
triangle lightness *t**

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

u* = g75b
LAB*LAB*a

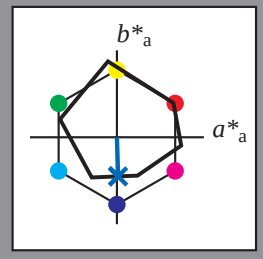
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

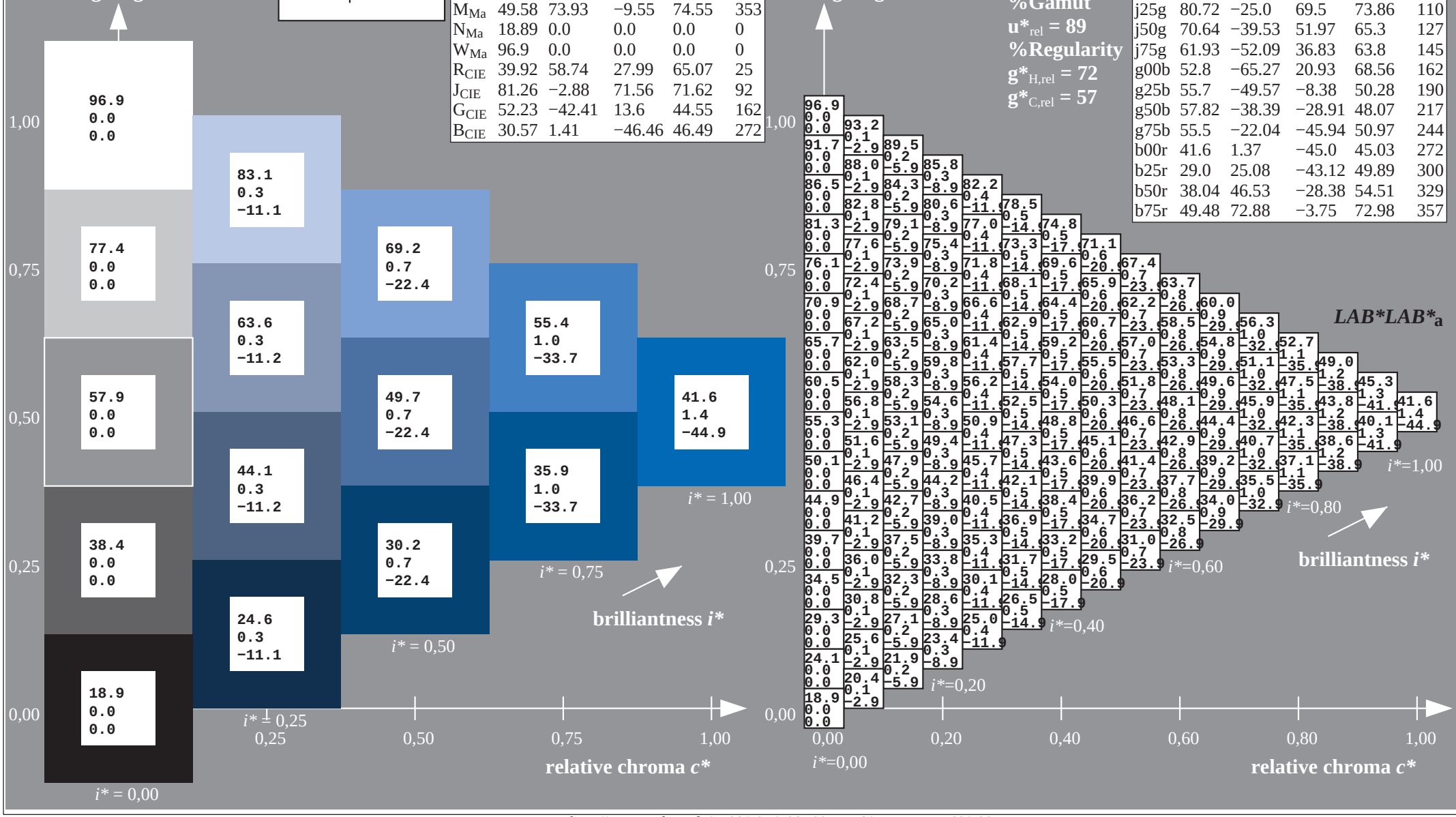
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

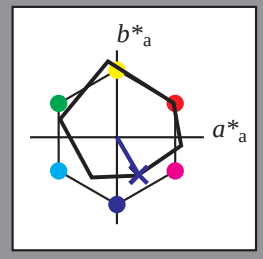
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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

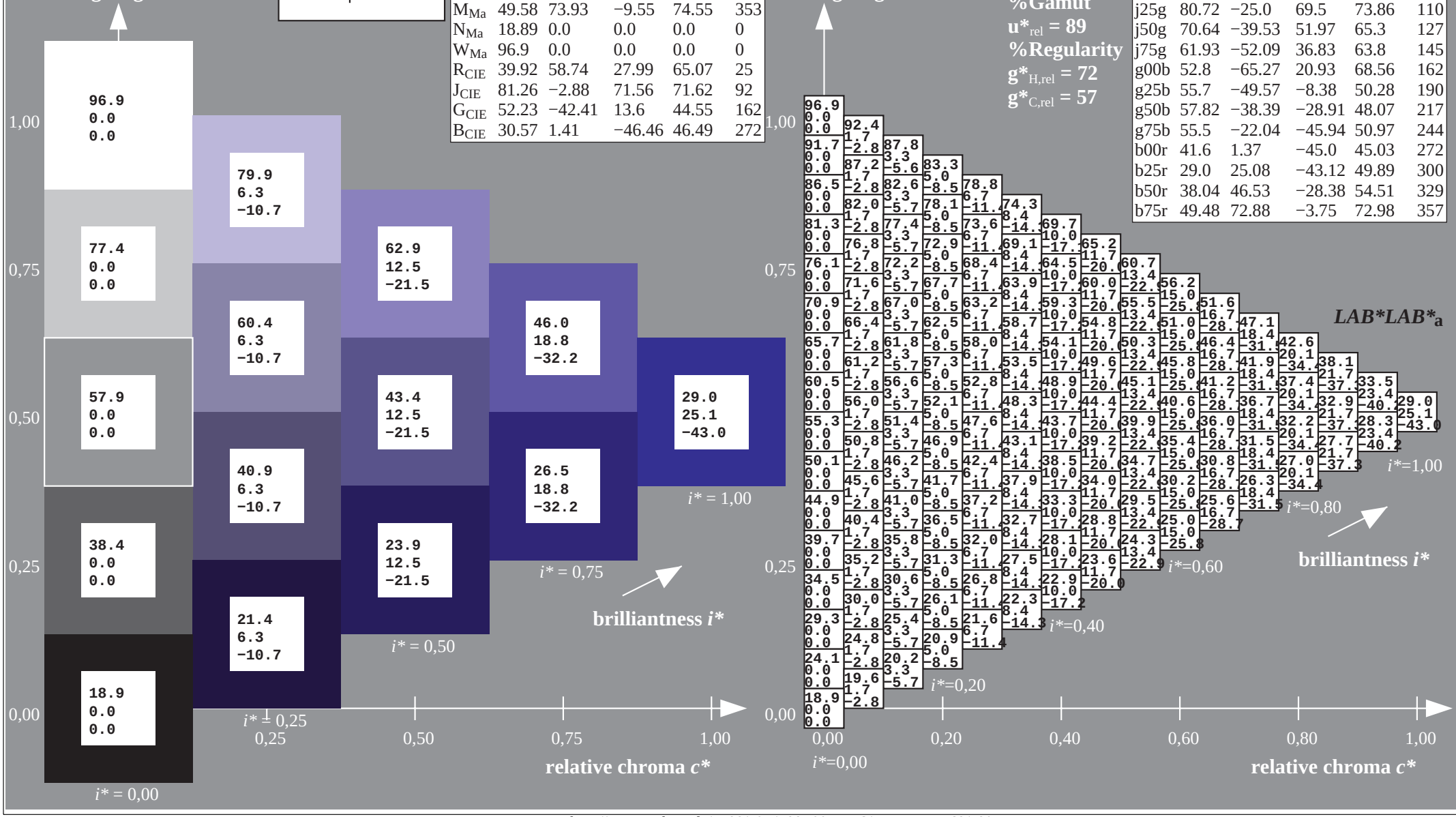
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

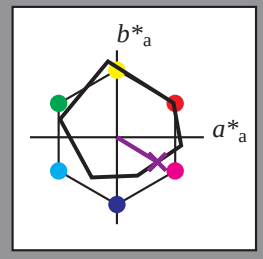
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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

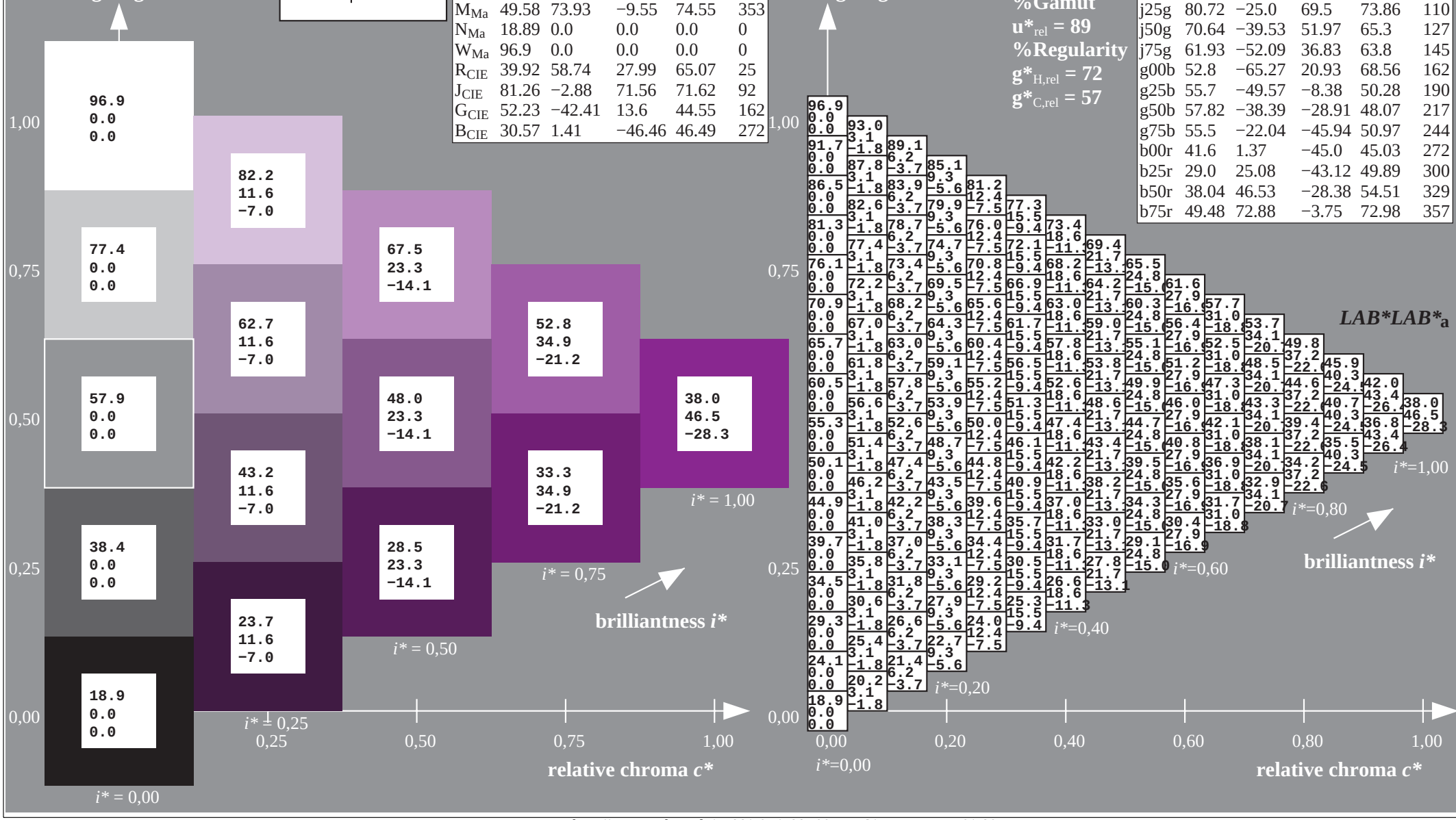
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 38 47 −27**
***LAB*LCH*Ma*: 38 55 329**
***lab*rgb*Ma*: 1.0 0.0 1.0**
***lab*olv*Ma*: 0.46 0.0 1.0**
triangle lightness *t**

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

u* = b50r
LAB*LAB*a

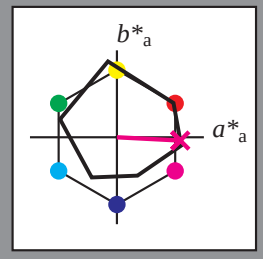
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

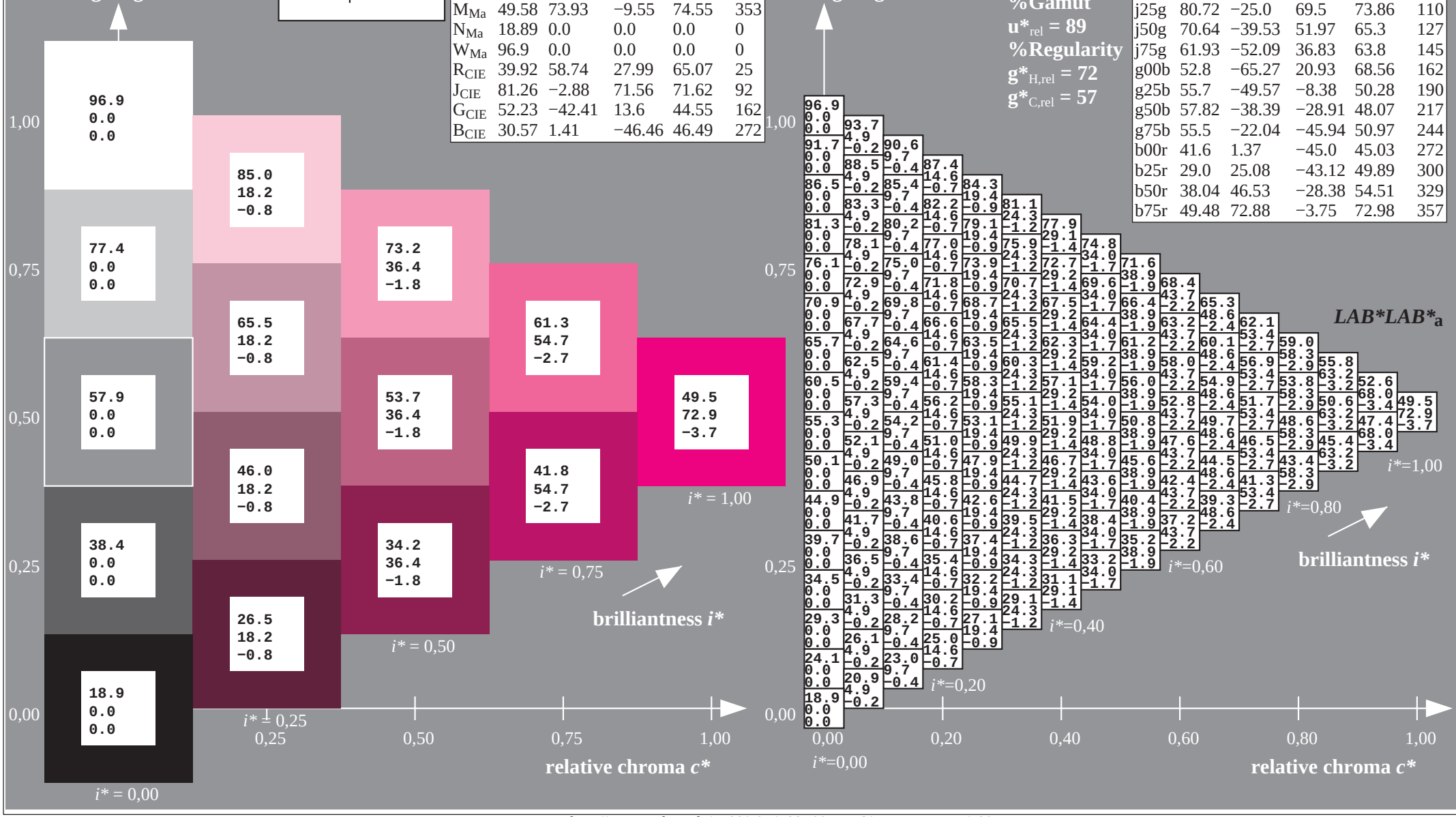
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 49 73 −3**
***LAB*LCH*Ma*: 49 73 357**
***lab*rgb*Ma*: 1.0 0.0 0.5**
***lab*olv*Ma*: 1.0 0.0 0.88**
triangle lightness *t**

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

u* = b75r
LAB*LAB*a

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



	A	B	C	D	E	F	G	H	I
01	18.9 0.0 0.0	23.1 -8.1 2.6	27.3 -16.3 5.2	31.6 -24.4 7.8	35.8 -32.6 10.4	40.0 -40.8 13.0	44.2 -49.0 15.6	48.5 -57.2 18.2	52.7 -65.3 20.7
02	20.1 3.0 -5.4	24.0 -3.5 -5.7	28.2 -11.7 -3.1	32.4 -19.9 -0.5	36.7 -28.1 2.0	40.9 -36.2 4.6	45.1 -44.4 7.2	49.3 -52.6 9.8	53.6 -60.8 12.4
03	21.3 5.9 -10.9	25.2 -0.6 -11.2	29.1 -7.1 -11.5	33.3 -15.3 -8.9	37.5 -23.5 -6.3	41.7 -31.7 -3.7	46.0 -39.9 -1.1	50.2 -48.0 1.4	54.4 -56.2 4.0
04	22.5 8.9 -16.4	26.4 2.3 -16.7	30.3 -4.2 -17.0	34.2 -10.8 -17.2	38.4 -18.9 -14.6	42.6 -27.1 -12.0	46.8 -35.3 -9.4	51.1 -43.5 -6.9	55.3 -51.7 -4.3
05	23.6 11.8 -22.0	27.5 5.2 -22.2	31.4 -1.2 -22.5	35.4 -7.8 -22.7	39.3 -14.4 -23.0	43.5 -22.6 -20.4	47.7 -30.7 -17.8	51.9 -38.9 -15.2	56.2 -47.1 -12.6
06	24.8 14.8 -27.5	28.7 8.2 -27.7	32.6 1.6 -28.0	36.5 -4.9 -28.3	40.4 -11.4 -28.5	44.3 -18.0 -28.8	48.6 -26.2 -26.2	52.8 -34.4 -23.6	57.0 -42.5 -21.0
07	26.0 17.7 -33.0	29.9 11.1 -33.3	33.8 4.6 -33.5	37.7 -1.9 -33.8	41.6 -8.5 -34.0	45.5 -15.1 -34.3	49.4 -21.6 -34.6	53.7 -29.8 -32.0	57.9 -38.0 -29.4
08	27.2 20.7 -38.5	31.1 14.1 -38.8	35.0 7.5 -39.0	38.9 0.9 -39.3	42.8 -5.5 -39.6	46.7 -12.1 -39.8	50.6 -18.7 -40.1	54.5 -25.3 -40.3	58.7 -33.4 -37.7
09	28.4 23.6 -44.0	32.3 17.1 -44.3	36.2 10.5 -44.5	40.1 3.9 -44.8	44.0 -2.6 -45.1	47.9 -9.2 -45.3	51.8 -15.7 -45.6	55.7 -22.3 -45.9	59.6 -28.9 -46.1
10	30.1 24.4 14.8	35.4 15.0 20.8	40.6 5.6 26.7	45.9 -3.8 32.7	50.1 -11.9 35.3	54.4 -20.1 37.9	58.6 -28.3 40.5	62.8 -36.5 43.1	67.0 -44.6 45.7
11	30.2 25.5 8.7	36.1 16.3 9.9	41.4 6.8 15.8	46.6 -2.5 21.8	50.9 -10.7 24.4	55.1 -18.8 27.0	59.3 -27.0 29.6	63.5 -35.2 32.2	67.8 -43.4 34.8
12	30.3 26.6 2.5	36.2 17.4 3.7	42.1 8.1 4.9	47.4 -1.2 10.9	51.6 -9.4 13.5	55.8 -17.5 16.1	60.1 -25.7 18.7	64.3 -33.9 21.3	68.5 -42.1 23.9
13	30.4 27.7 -3.5	36.3 18.5 -2.3	42.2 9.2 -1.1	48.1 0.0 0.0	52.4 -8.1 2.6	56.6 -16.3 5.2	60.8 -24.4 7.8	65.0 -32.6 10.4	69.3 -40.8 13.0
14	31.6 30.7 -9.0	37.5 21.4 -7.8	43.4 12.2 -6.6	49.3 3.0 -5.4	53.2 -3.5 -5.7	57.5 -11.7 -3.1	61.7 -19.9 -0.5	65.9 -28.1 2.0	70.1 -36.2 4.6
15	32.8 33.6 -14.5	38.7 24.4 -13.3	44.6 15.1 -12.1	50.5 5.9 -10.9	54.4 -0.6 -11.2	58.3 -7.1 -11.5	62.5 -15.3 -8.9	66.8 -23.5 -6.3	71.0 -31.7 -3.7
16	34.0 36.6 -20.0	39.9 27.3 -18.8	45.8 18.1 -17.6	51.7 8.9 -16.4	55.6 2.3 -16.7	59.5 -4.2 -17.0	63.4 -10.8 -17.2	67.6 -18.9 -14.6	71.9 -27.1 -12.0
17	35.2 39.5 -25.5	41.1 30.3 -24.4	47.0 21.1 -23.2	52.9 11.8 -22.0	56.8 5.2 -22.2	60.7 -1.2 -22.5	64.6 -7.8 -22.7	68.5 -14.4 -23.0	72.7 -22.6 -20.4
18	36.3 42.5 -31.1	42.3 33.2 -29.9	48.2 24.0 -28.7	54.1 14.8 -27.5	58.0 8.2 -27.7	61.9 1.6 -28.0	65.8 -4.9 -28.3	69.7 -11.4 -28.5	73.6 -18.0 -28.8
19	41.3 48.8 29.6	46.6 39.4 35.5	51.8 30.0 41.5	57.1 20.5 47.5	62.4 11.1 53.5	67.6 1.7 59.4	72.9 -7.6 65.4	77.1 -15.8 68.0	81.4 -24.0 70.6
20	41.4 49.9 23.4	47.3 40.7 24.6	52.6 31.2 30.6	57.8 21.8 36.6	63.1 12.4 42.6	68.4 3.0 48.5	73.7 -6.3 54.5	77.9 -14.5 57.1	82.1 -22.7 59.7
21	41.5 51.0 17.3	47.4 41.8 18.5	53.3 32.5 19.7	58.6 23.1 25.7	63.9 13.7 31.7	69.1 4.3 37.6	74.4 -5.0 43.6	78.6 -13.2 46.2	82.9 -21.4 48.8
22	41.6 52.1 11.2	47.5 42.9 12.4	53.4 33.6 13.6	59.3 24.4 14.8	64.6 15.0 20.8	69.9 5.6 26.7	75.2 -3.8 32.7	79.4 -11.9 35.3	83.6 -20.1 37.9
23	41.7 53.2 5.1	47.6 44.0 6.3	53.5 34.8 7.5	59.4 25.5 8.7	65.4 16.3 9.9	70.6 6.8 15.8	75.9 -2.5 21.8	80.1 -10.7 24.4	84.3 -18.8 27.0
24	41.8 54.3 -0.9	47.7 45.1 0.1	53.6 35.9 1.3	59.5 26.6 2.5	65.5 17.4 3.7	71.4 8.1 4.9	76.7 -1.2 10.9	80.9 -9.4 13.5	85.1 -17.5 16.1
25	41.9 55.4 -7.1	47.8 46.2 -5.9	53.7 37.0 -4.7	59.7 27.7 -3.5	65.6 18.5 -2.3	71.5 9.2 -1.1	77.4 0.0 0.0	81.6 -8.1 2.6	85.8 -16.3 5.2
26	43.1 58.4 -12.6	49.0 49.2 -11.4	54.9 39.9 -10.2	60.8 30.7 -9.0	66.8 21.4 -7.8	72.7 12.2 -6.6	78.6 3.0 -5.4	82.5 -3.5 -5.7	86.7 -11.7 -3.1
27	44.3 61.3 -18.1	50.2 52.1 -16.9	56.1 42.9 -15.7	62.0 33.6 -14.5	67.9 24.4 -13.3	73.9 15.1 -12.1	79.8 5.9 -10.9	83.7 -0.6 -11.2	87.6 -7.1 -11.5

	J	K	L	M	N	O	P	Q	R
01	22.6 8.1 4.9	27.9 -1.2 10.9	32.1 -9.4 13.5	36.3 -17.5 16.1	40.6 -25.7 18.7	44.8 -33.9 21.3	49.0 -42.1 23.9	53.2 -50.3 26.5	57.5 -58.4 29.0
02	22.7 9.2 -1.1	28.6 0.0 0.0	32.9 -8.1 2.6	37.1 -16.3 5.2	41.3 -24.4 7.8	45.5 -32.6 10.4	49.8 -40.8 13.0	54.0 -49.0 15.6	58.2 -57.2 18.2
03	23.9 12.2 -6.6	29.8 3.0 -5.4	33.7 -3.5 -5.7	38.0 -11.7 -3.1	42.2 -19.9 -0.5	46.4 -28.1 2.0	50.6 -36.2 4.6	54.9 -44.4 7.2	59.1 -52.6 9.8
04	25.1 15.1 -12.1	31.0 5.9 -10.9	34.9 -0.6 -11.2	38.8 -7.1 -11.5	43.0 -15.3 -8.9	47.3 -23.5 -6.3	51.5 -31.7 -3.7	55.7 -39.9 -1.1	59.9 -48.0 1.4
05	26.3 18.1 -17.6	32.2 8.9 -16.4	36.1 2.3 -16.7	40.0 -4.2 -17.0	43.9 -10.8 -17.2	48.1 -18.9 -14.6	52.4 -27.1 -12.0	56.6 -35.3 -9.5	60.8 -43.5 -6.9
06	27.5 21.0 -23.2	33.4 11.8 -22.0	37.3 5.2 -22.2	41.2 -1.2 -22.5	45.1 -7.8 -22.7	49.0 -14.4 -23.0	53.2 -22.6 -20.4	57.5 -30.7 -17.8	61.7 -38.9 -15.2
07	28.7 24.0 -28.8	34.6 14.8 -27.5	38.5 8.2 -27.7	42.4 1.6 -28.0	46.3 -4.9 -28.3	50.2 -11.4 -28.5	54.1 -18.0 -28.8	58.3 -26.2 -26.2	62.5 -34.4 -23.6
08	29.9 27.0 -34.2	35.8 17.7 -33.0	39.7 11.1 -33.3	43.6 4.6 -33.5	47.5 -1.9 -33.8	51.4 -8.5 -34.0	55.3 -15.1 -34.3	59.2 -21.6 -34.6	63.4 -29.8 -32.0
09	31.0 29.9 -39.7	37.0 20.7 -38.5	40.9 14.1 -38.8	44.8 7.5 -39.0	48.7 0.9 -39.3	52.6 -5.5 -39.6	56.5 -12.1 -39.8	60.4 -18.7 -40.1	64.3 -25.3 -40.3
10	33.8 32.5 19.7	39.1 23.1 25.7	44.4 13.7 31.7	49.6 4.3 37.6	54.9 -5.0 43.6	59.1 -13.2 46.2	63.4 -21.4 48.8	67.6 -29.6 51.4	71.8 -37.8 54.0
11	33.9 33.6 13.6	39.8 24.4 14.8	45.1 15.0 20.8	50.4 5.6 26.7	55.7 -3.8 32.7	59.9 -11.9 35.3	64.1 -20.1 37.9	68.3 -28.3 40.5	72.5 -36.5 43.1
12	34.0 34.7 7.5	39.9 25.5 8.7	45.9 16.3 9.9	51.1 6.8 15.8	56.4 -2.5 21.8	60.6 -10.7 24.4	64.9 -18.8 27.0	69.1 -27.0 29.6	73.3 -35.2 32.2
13	34.1 35.9 1.3	40.0 26.6 2.5	46.0 17.4 3.7	51.9 8.1 4.9	57.1 -1.2 10.9	61.4 -9.4 13.5	65.6 -17.5 16.1	69.8 -25.7 18.7	74.0 -33.9 21.3
14	34.2 37.0 -4.7	40.2 27.7 -3.5	46.1 18.5 -2.3	52.0 9.2 -1.1	57.9 0.0 0.0	62.1 -8.1 2.6	66.3 -16.3 5.2	70.6 -24.4 7.8	74.8 -32.6 10.4
15	35.4 39.9 -10.2	41.3 30.7 -9.0	47.3 21.4 -7.8	53.2 12.2 -6.6	59.1 3.0 -5.4	63.0 -3.5 -5.7	67.2 -11.7 -3.1	71.4 -19.9 -0.5	75.7 -28.1 2.0
16	36.6 42.9 -15.7	42.5 33.6 -14.5	48.4 24.4 -13.3	54.4 15.1 -12.1	60.3 5.9 -10.9	64.2 -0.6 -11.2	68.1 -7.1 -11.5	72.3 -15.3 -8.9	76.5 -23.5 -6.3
17	37.8 45.8 -21.2	43.7 36.6 -20.0	49.6 27.3 -18.8	55.5 18.1 -17.6	61.5 8.9 -16.4	65.4 2.3 -16.7	69.3 -4.2 -17.0	73.2 -10.8 -17.2	77.4 -18.9 -14.6
18	39.0 48.8 -26.7	44.9 39.5 -25.5	50.8 30.3 -24.4	56.7 21.1 -23.2	62.6 11.8 -22.0	66.5 5.2 -22.2	70.4 -1.2 -22.5	74.4 -7.8 -22.7	78.3 -14.4 -23.0
19	45.0 56.9 34.5	50.3 47.5 40.5	55.6 38.1 46.4	60.8 28.7 52.4	66.1 19.3 58.4	71.4 9.8 64.4	76.6 0.4 70.4	81.9 -8.9 76.3	86.1 -17.1 78.9
20	45.1 58.0 28.4	51.0 48.8 29.6	56.3 39.4 35.5	61.6 30.0 41.5	66.9 20.5 47.5	72.1 11.1 53.5	77.4 1.7 59.5	82.7 -7.6 65.4	86.9 -15.8 68.0
21	45.2 59.1 22.3	51.1 49.9 23.4	57.1 40.7 24.6	62.3 31.2 30.6	67.6 21.8 36.6	72.9 12.4 42.6	78.1 3.0 48.5	83.4 -6.3 54.5	87.6 -14.5 57.1
22	45.3 60.3 16.1	51.2 51.0 17.3	57.2 41.8 18.5	63.1 32.5 19.7	68.3 23.1 25.7	73.6 13.7 31.7	78.9 4.3 37.6	84.2 -5.0 43.6	88.4 -13.2 46.2
23	45.4 61.4 10.0	51.3 52.1 11.2	57.3 42.9 12.4	63.2 33.6 13.6	69.1 24.4 14.8	74.4 15.0 20.8	79.6 5.6 26.7	84.9 -3.8 32.7	89.1 -11.9 35.3
24	45.5 62.5 3.9	51.5 53.2 5.1	57.4 44.0 6.3	63.3 34.8 7.5	69.2 25.5 8.7	75.1 16.3 9.9	80.4 6.8 15.8	85.7 -2.5 21.8	89.9 -10.6 24.4
25	45.6 63.6 -2.1	51.6 54.3 -0.9	57.5 45.1 0.1	63.4 35.9 1.3	69.3 26.6 2.5	75.2 17.4 3.7	81.1 8.1 4.9	86.4 -1.2 10.9	90.6 -9.4 13.5
26	45.7 64.7 -8.3	51.7 55.4 -7.1	57.6 46.2 -5.9	63.5 37.0 -4.7	69.4 27.7 -3.5	75.3 18.5 -2.3	81.2 9.2 -1.1	87.2 0.0 0.0	91.4 -8.1 2.6
27	46.9 67.6 -13.8	52.8 58.4 -12.6	58.8 49.2 -11.4	64.7 39.9 -10.2	70.6 30.7 -9.0	76.5 21.4 -7.8	82.4 12.2 -6.6	88.3 3.0 -5.4	92.2 -3.5 -5.7

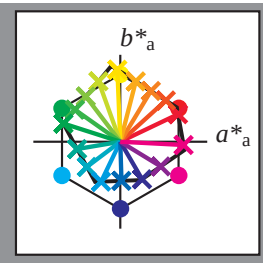
	S	T	U	V	W	X	Y	Z	a
01	26.4 16.3 9.9	31.6 6.8 15.8	36.9 -2.5 21.8	41.1 -10.7 24.4	45.3 -18.8 27.0	49.6 -27.0 29.6	53.8 -35.2 32.2	58.0 -43.4 34.8	62.2 -51.5 37.4
02	26.5 17.4 3.7	32.4 8.1 4.9	37.6 -1.2 10.9	41.9 -9.4 13.5	46.1 -17.5 16.1	50.3 -25.7 18.7	54.5 -33.9 21.3	58.8 -42.1 23.9	63.0 -50.3 26.5
03	26.6 18.5 -2.3	32.5 9.2 -1.1	38.4 0.0 0.0	42.6 -8.1 2.6	46.8 -16.3 5.2	51.1 -24.4 7.8	55.3 -32.6 10.4	59.5 -40.8 13.0	63.7 -49.0 15.6
04	27.8 21.4 -7.8	33.7 12.2 -6.6	39.6 3.0 -5.4	43.5 -3.5 -5.7	47.7 -11.7 -3.1	51.9 -19.9 -0.5	56.2 -28.1 2.0	60.4 -36.2 4.6	64.6 -44.4 7.2
05	28.9 24.4 -13.3	34.9 15.1 -12.1	40.8 5.9 -10.9	44.7 -0.6 -11.2	48.6 -7.1 -11.5	52.8 -15.3 -8.9	57.0 -23.5 -6.3	61.2 -31.7 -3.7	65.5 -39.9 -1.1
06	30.1 27.3 -18.8	36.0 18.1 -17.6	42.0 8.9 -16.4	45.9 2.3 -16.7	49.8 -4.2 -17.0	53.7 -10.8 -17.2	57.9 -18.9 -14.6	62.1 -27.1 -12.0	66.3 -35.3 -9.5
07	31.3 30.3 -24.4	37.2 21.1 -23.2	43.1 11.8 -22.0	47.0 5.2 -22.2	50.9 -1.2 -22.5	54.9 -7.8 -22.7	58.8 -14.4 -23.0	63.0 -22.6 -20.4	67.2 -30.7 -17.8
08	32.5 33.2 -29.9	38.4 24.0 -28.7	44.3 14.8 -27.5	48.2 8.2 -27.7	52.1 1.6 -28.0	56.0 -4.9 -28.3	59.9 -11.4 -28.5	63.8 -18.0 -28.8	68.1 -26.2 -26.2
09	33.7 36.2 -35.4	39.6 27.0 -34.2	45.5 17.7 -33.0	49.4 11.1 -33.3	53.3 4.6 -33.5	57.2 -1.9 -33.8	61.1 -8.5 -34.0	65.0 -15.1 -34.3	68.9 -21.6 -34.6
10	37.6 40.7 24.6	42.8 31.2 30.6	48.1 21.8 36.6	53.4 12.4 42.6	58.6 3.0 48.5	63.9 -6.3 54.5	68.1 -14.5 57.1	72.4 -22.7 59.7	76.6 -30.9 62.3
11	37.7 41.8 18.5	43.6 32.5 19.7	48.8 23.1 25.7	54.1 13.7 31.7	59.4 4.3 37.6	64.7 -5.0 43.6	68.9 -13.2 46.2	73.1 -21.4 48.8	77.3 -29.6 51.4
12	37.8 42.9 12.4	43.7 33.6 13.6	49.6 24.4 14.8	54.9 15.0 20.8	60.1 5.6 26.7	65.4 -3.8 32.7	69.6 -11.9 35.3	73.9 -20.1 37.9	78.1 -28.3 40.5
13	37.9 44.0 6.3	43.8 34.8 7.5	49.7 25.5 8.7	55.6 16.3 9.9	60.9 6.8 15.8	66.2 -2.5 21.8	70.4 -10.7 24.4	74.6 -18.8 27.0	78.8 -27.0 29.6
14	38.0 45.1 0.1	43.9 35.9 1.3	49.8 26.6 2.5	55.7 17.4 3.7	61.6 8.1 4.9	66.9 -1.2 10.9	71.1 -9.4 13.5	75.3 -17.5 16.1	79.6 -25.7 18.7
15	38.1 46.2 -5.9	44.0 37.0 -4.7	49.9 27.7 -3.5	55.8 18.5 -2.3	61.7 9.2 -1.1	67.7 0.0 0.0	71.9 -8.1 2.6	76.1 -16.3 5.2	80.3 -24.4 7.8
16	39.3 49.2 -11.4	45.2 39.9 -10.2	51.1 30.7 -9.0	57.0 21.4 -7.8	62.9 12.2 -6.6	68.8 3.0 -5.4	72.7 -3.5 -5.7	77.0 -11.7 -3.1	81.2 -19.9 -0.5
17	40.5 52.1 -16.9	46.4 42.9 -15.7	52.3 33.6 -14.5	58.2 24.4 -13.3	64.1 15.1 -12.1	70.0 5.9 -10.9	73.9 -0.6 -11.2	77.8 -7.1 -11.5	82.0 -15.3 -8.9
18	41.6 55.1 -22.4	47.5 45.8 -21.2	53.5 36.6 -20.0	59.4 27.3 -18.8	65.3 18.1 -17.6	71.2 8.9 -16.4	75.1 2.3 -16.7	79.0 -4.2 -17.0	82.9 -10.8 -17.2
19	48.8 65.1 39.4	54.0 55.6 45.4	59.3 46.2 51.4	64.6 36.8 57.3	69.8 27.4 63.3	75.1 18.0 69.3	80.4 8.5 75.3	85.6 -0.8 81.3	90.9 -10.2 87.2
20	48.9 66.2 33.3	54.8 56.9 34.5	60.0 47.5 40.5	65.3 38.1 46.5	70.6 28.7 52.4	75.9 19.2 58.4	81.1 9.8 64.4	86.4 0.4 70.4	91.7 -8.9 76.3
21	49.0 67.3 27.2	54.9 58.0 28.4	60.8 48.8 29.6	66.1 39.4 35.5	71.3 30.0 41.5	76.6 20.5 47.5	81.9 11.1 53.5	87.1 1.7 59.5	92.4 -7.6 65.4
22	49.1 68.4 21.1	55.0 59.1 22.2	60.9 49.9 23.4	66.8 40.7 24.6	72.1 31.2 30.6	77.3 21.8 36.6	82.6 12.4 42.6	87.9 3.0 48.5	93.2 -6.3 54.5
23	49.2 69.5 14.9	55.1 60.3 16.1	61.0 51.0 17.3	66.9 41.8 18.5	72.8 32.5 19.7	78.1 23.1 25.7	83.4 13.7 31.7	88.6 4.3 37.6	93.9 -5.0 43.6
24	49.3 70.6 8.8	55.2 61.4 10.0	61.1 52.1 11.2	67.0 42.9 12.4	72.9 33.6 13.6	78.8 24.4 14.8	84.1 15.0 20.8	89.4 5.6 26.7	94.7 -3.8 32.7
25	49.4 71.7 2.7	55.3 62.5 3.9	61.2 53.2 5.1	67.1 44.0 6.3	73.0 34.7 7.5	78.9 25.5 8.7	84.9 16.3 9.9	89.8 6.8 15.8	95.4 -2.5 21.8
26	49.5 72.8 -3.3	55.4 63.6 -2.1	61.3 54.3 -1.0	67.2 45.1 0.1	73.1 35.9 1.3	79.0 26.6 2.5	85.0 17.4 3.7	90.9 8.1 4.9	96.1 -1.2 10.9
27	49.6 73.9 -9.5	55.5 64.7 -8.3	61.4 55.4 -7.1	67.3 46.2 -5.9	73.2 37.0 -4.7	79.2 27.7 -3.5	85.1 18.5 -2.3	91.0 9.2 -1.1	96.9 0.0 0.0

	b	c	d	e	f	g	h	i	j	k	LAB*LAB*a		
01	96.9 0.0 0.0	90.9 8.1 4.9	84.9 16.3 9.9	78.8 24.4 14.8	72.8 32.5 19.7	66.8 40.7 24.6	60.8 48.8 29.6	54.8 56.9 34.5	48.8 65.1 39.4	18.9 0.0 0.0	18.9 0.0 0.0	18.9 0.0 0.0	18.9 0.0 0.0
02	92.2 -3.5 -5.7	87.2 0.0 0.0	81.1 8.1 4.9	75.1 16.3 9.9	69.1 24.4 14.8	63.1 32.5 19.7	57.1 40.7 24.6	51.0 48.8 29.6	45.0 56.9 34.5	28.6 0.0 0.0	28.6 0.0 0.0	28.6 0.0 0.0	28.6 0.0 0.0
03	87.6 -7.1 -11.5	82.5 -3.5 -5.7	77.4 0.0 0.0	71.4 8.1 4.9	65.4 16.3 9.9	59.3 24.4 14.8	53.3 32.5 19.7	47.3 40.7 24.6	41.3 48.8 29.6	38.4 0.0 0.0	38.4 0.0 0.0	38.4 0.0 0.0	38.4 0.0 0.0
04	82.9 -10.8 -17.2	77.8 -7.1 -11.5	72.7 -3.5 -5.7	67.7 0.0 0.0	61.6 8.1 4.9	55.6 16.3 9.9	49.6 24.4 14.8	43.6 32.5 19.7	37.6 40.7 24.6	48.1 0.0 0.0	48.1 0.0 0.0	48.1 0.0 0.0	48.1 0.0 0.0
05	78.3 -14.4 -23.0	73.2 -10.8 -17.2	68.1 -7.1 -11.5	63.0 -3.5 -5.7	57.9 0.0 0.0	51.9 8.1 4.9	45.9 16.3 9.9	39.8 24.4 14.8	33.8 32.5 19.7	57.9 0.0 0.0	57.9 0.0 0.0	57.9 0.0 0.0	57.9 0.0 0.0
06	73.6 -18.0 -28.8	68.5 -14.4 -23.0	63.4 -10.8 -17.2	58.3 -7.1 -11.5	53.2 -3.5 -5.7	48.1 0.0 0.0	42.1 8.1 4.9	36.1 16.3 9.9	30.1 24.4 14.8	67.7 0.0 0.0	67.7 0.0 0.0	67.7 0.0 0.0	67.7 0.0 0.0
07	68.9 -21.6 -34.6	63.8 -18.0 -28.8	58.8 -14.4 -23.0	53.7 -10.8 -17.2	48.6 -7.1 -11.5	43.5 -3.5 -5.7	38.4 0.0 0.0	32.4 8.1 4.9	26.4 16.3 9.9	77.4 0.0 0.0	77.4 0.0 0.0	77.4 0.0 0.0	77.4 0.0 0.0
08	64.3 -25.3 -40.3	59.2 -21.6 -34.6	54.1 -18.0 -28.8	49.0 -14.4 -23.0	43.9 -10.8 -17.2	38.8 -7.1 -11.5	33.7 -3.5 -5.7	28.6 0.0 0.0	22.6 8.1 4.9	87.2 0.0 0.0	87.2 0.0 0.0	87.2 0.0 0.0	87.2 0.0 0.0
09	59.6 -28.9 -46.1	54.5 -25.3 -40.3	49.4 -21.6 -34.6	44.3 -18.0 -28.8	39.3 -14.4 -23.0	34.2 -10.8 -17.2	29.1 -7.1 -11.5	24.0 -3.5 -5.7	18.9 0.0 0.0	96.9 0.0 0.0	96.9 0.0 0.0	96.9 0.0 0.0	96.9 0.0 0.0
10	96.9 0.0 0.0	96.1 -1.2 10.9	95.4 -2.5 21.8	94.7 -3.8 32.7	93.9 -5.0 43.6	93.2 -6.3 54.5	92.4 -7.6 65.4	91.7 -8.9 76.3	90.9 -10.2 87.2	18.9 0.0 0.0	18.9 0.0 0.0	18.9 0.0 0.0	18.9 0.0 0.0
11	88.3 3.0 -5.4	87.2 0.0 0.0	86.4 -1.2 10.9	85.7 -2.5 21.8	84.9 -3.8 32.7	84.2 -5.0 43.6	83.4 -6.3 54.5	82.7 -7.6 65.4	81.9 -8.9 76.3	24.1 0.0 0.0	24.1 0.0 0.0	24.1 0.0 0.0	24.1 0.0 0.0
12	79.8 5.9 -10.9	78.6 3.0 -5.4	77.4 0.0 0.0	76.7 -1.2 10.9	75.9 -2.5 21.8	75.2 -3.8 32.7	74.4 -5.0 43.6	73.7 -6.3 54.5	72.9 -7.6 65.4	29.3 0.0 0.0	29.3 0.0 0.0	29.3 0.0 0.0	29.3 0.0 0.0
13	71.2 8.9 -16.4	70.0 5.9 -10.9	68.8 3.0 -5.4	67.7 0.0 0.0	66.9 -1.2 10.9	66.2 -2.5 21.8	65.4 -3.8 32.7	64.7 -5.0 43.6	63.9 -6.3 54.5	34.5 0.0 0.0	34.5 0.0 0.0	34.5 0.0 0.0	34.5 0.0 0.0
14	62.6 11.8 -22.0	61.5 8.9 -16.4	60.3 5.9 -10.9	59.1 3.0 -5.4	57.9 0.0 0.0	57.1 -1.2 10.9	56.4 -2.5 21.8	55.7 -3.8 32.7	54.9 -5.0 43.6	39.7 0.0 0.0	39.7 0.0 0.0	39.7 0.0 0.0	39.7 0.0 0.0
15	54.1 14.8 -27.5	52.9 11.8 -22.0	51.7 8.9 -16.4	50.5 5.9 -10.9	49.3 3.0 -5.4	48.1 0.0 0.0	47.4 -1.2 10.9	46.6 -2.5 21.8	45.9 -3.8 32.7	44.9 0.0 0.0	44.9 0.0 0.0	44.9 0.0 0.0	44.9 0.0 0.0
16	45.5 17.7 -33.0	44.3 14.8 -27.5	43.1 11.8 -22.0	42.0 8.9 -16.4	40.8 5.9 -10.9	39.6 3.0 -5.4	38.4 0.0 0.0	37.6 -1.2 10.9	36.9 -2.5 21.8	50.1 0.0 0.0	50.1 0.0 0.0	50.1 0.0 0.0	50.1 0.0 0.0
17	37.0 20.7 -38.5	35.8 17.7 -33.0	34.6 14.8 -27.5	33.4 11.8 -22.0	32.2 8.9 -16.4	31.0 5.9 -10.9	29.8 3.0 -5.4	28.6 0.0 0.0	27.9 -1.2 10.9	55.3 0.0 0.0	55.3 0.0 0.0	55.3 0.0 0.0	55.3 0.0 0.0
18	28.4 23.6 -44.0	27.2 20.7 -38.5	26.0 17.7 -33.0	24.8 14.8 -27.5	23.6 11.8 -22.0	22.5 8.9 -16.4	21.3 5.9 -10.9	20.1 3.0 -5.4	18.9 0.0 0.0	60.5 0.0 0.0	60.5 0.0 0.0	60.5 0.0 0.0	60.5 0.0 0.0
19	96.9 0.0 0.0	91.4 -8.1 2.6	85.8 -16.3 5.2	80.3 -24.4 7.8	74.8 -32.6 10.4	69.3 -40.8 13.0	63.7 -49.0 15.6	58.2 -57.2 18.2	52.7 -65.3 20.7	65.7 0.0 0.0	65.7 0.0 0.0	65.7 0.0 0.0	65.7 0.0 0.0
20	91.0 9.2 -1.1	87.2 0.0 0.0	81.6 -8.1 2.6	76.1 -16.3 5.2	70.6 -24.4 7.8	65.0 -32.6 10.4	59.5 -40.8 13.0	54.0 -49.0 15.6	48.5 -57.2 18.2	70.9 0.0 0.0	70.9 0.0 0.0	70.9 0.0 0.0	70.9 0.0 0.0
21	85.1 18.5 -2.3	81.2 9.2 -1.1	77.4 0.0 0.0	71.9 -8.1 2.6	66.3 -16.3 5.2	60.8 -24.4 7.8	55.3 -32.6 10.4	49.8 -40.8 13.0	44.2 -49.0 15.6	76.1 0.0 0.0	76.1 0.0 0.0	76.1 0.0 0.0	76.1 0.0 0.0
22	79.2 27.7 -3.5	75.3 18.5 -2.3	71.5 9.2 -1.1	67.7 0.0 0.0	62.1 -8.1 2.6	56.6 -16.3 5.2	51.1 -24.4 7.8	45.5 -32.6 10.4	40.0 -40.8 13.0	81.3 0.0 0.0	81.3 0.0 0.0	81.3 0.0 0.0	81.3 0.0 0.0
23	73.2 37.0 -4.7	69.4 27.7 -3.5	65.6 18.5 -2.3	61.7 9.2 -1.1	57.9 0.0 0.0	52.4 -8.1 2.6	46.8 -16.3 5.2	41.3 -24.4 7.8	35.8 -32.6 10.4	86.5 0.0 0.0	86.5 0.0 0.0	86.5 0.0 0.0	86.5 0.0 0.0
24	67.3 46.2 -5.9	63.5 37.0 -4.7	59.7 27.7 -3.5	55.8 18.5 -2.3	52.0 9.2 -1.1	48.1 0.0 0.0	42.6 -8.1 2.6	37.1 -16.3 5.2	31.6 -24.4 7.8	91.7 0.0 0.0	91.7 0.0 0.0	91.7 0.0 0.0	91.7 0.0 0.0
25	61.4 55.4 -7.1	57.6 46.2 -5.9	53.7 37.0 -4.7	49.9 27.7 -3.5	46.1 18.5 -2.3	42.2 9.2 -1.1	38.4 0.0 0.0	32.9 -8.1 2.6	27.3 -16.3 5.2	96.9 0.0 0.0	96.9 0.0 0.0	96.9 0.0 0.0	96.9 0.0 0.0
26	55.5 64.7 -8.3	51.7 55.4 -7.1	47.8 46.2 -5.9	44.0 37.0 -4.7	40.2 27.7 -3.5	36.3 18.5 -2.3	32.5 9.2 -1.1	28.6 0.0 0.0	23.1 -8.1 2.6	18.9 0.0 0.0	48.8 65.1 39.4	90.9 -10.2 87.2	52.7 -65.3 20.7
27	49.6 73.9 -9.5	45.7 64.7 -8.3	41.9 55.4 -7.1	38.1 46.2 -5.9	34.2 37.0 -4.7	30.4 27.7 -3.5	26.6 18.5 -2.3	22.7 9.2 -1.1	18.9 0.0 0.0	96.9 0.0 0.0	59.6 -28.9 -46.1	28.4 23.6 -44.0	49.6 73.9 -9.5

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

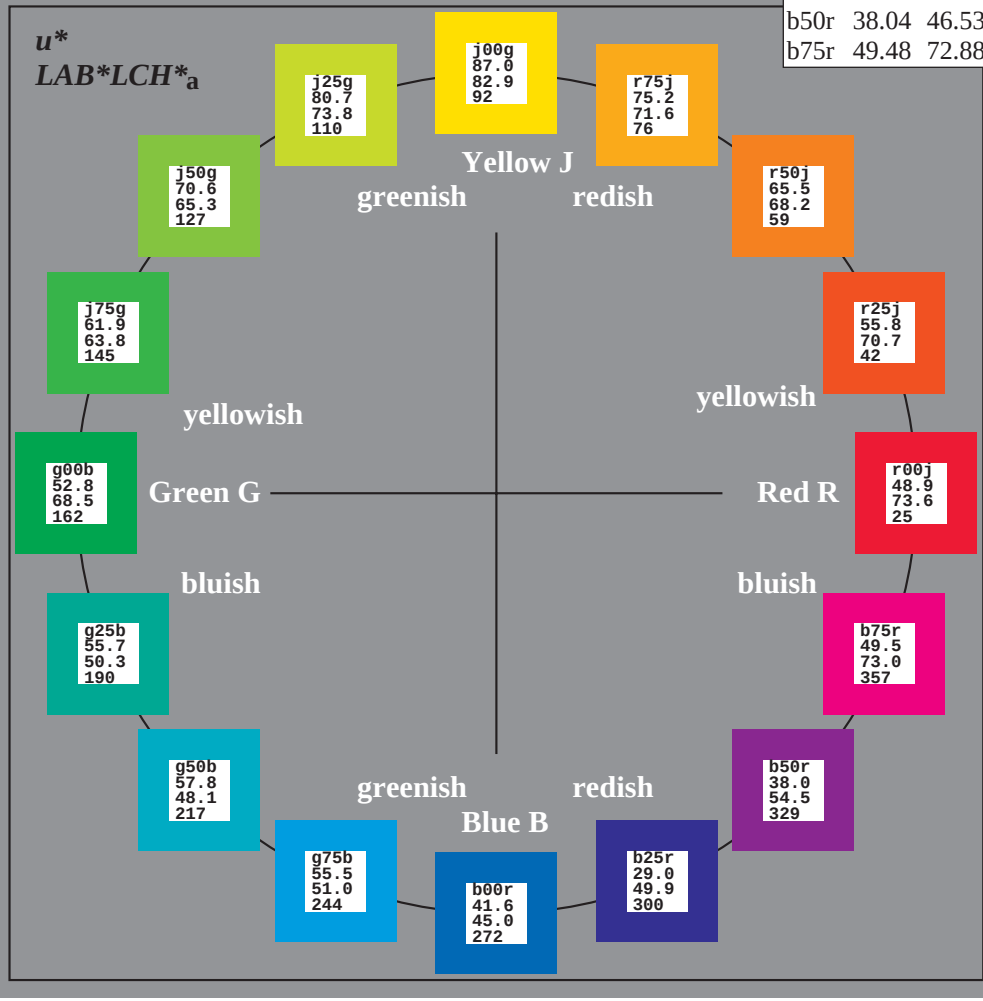
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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

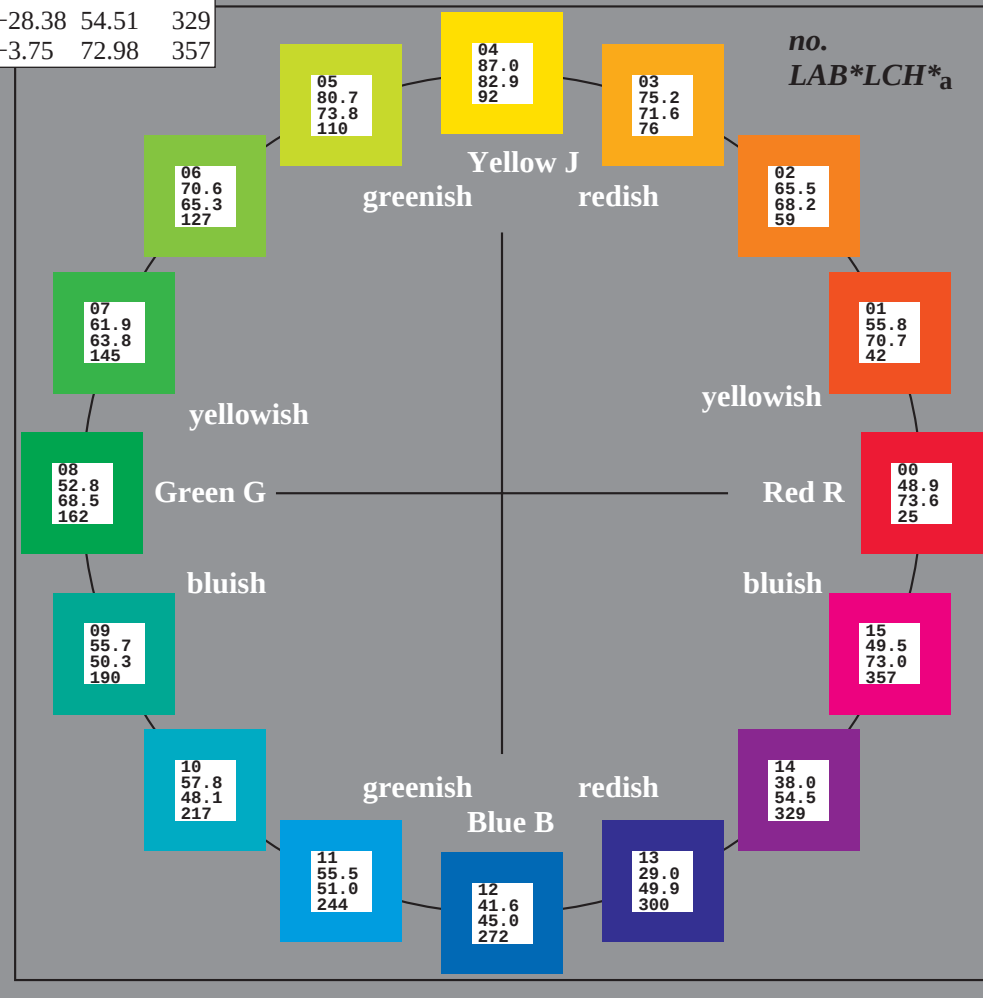


%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

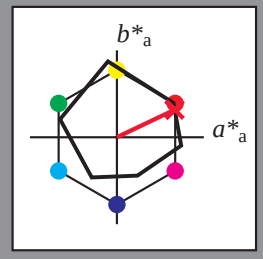
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

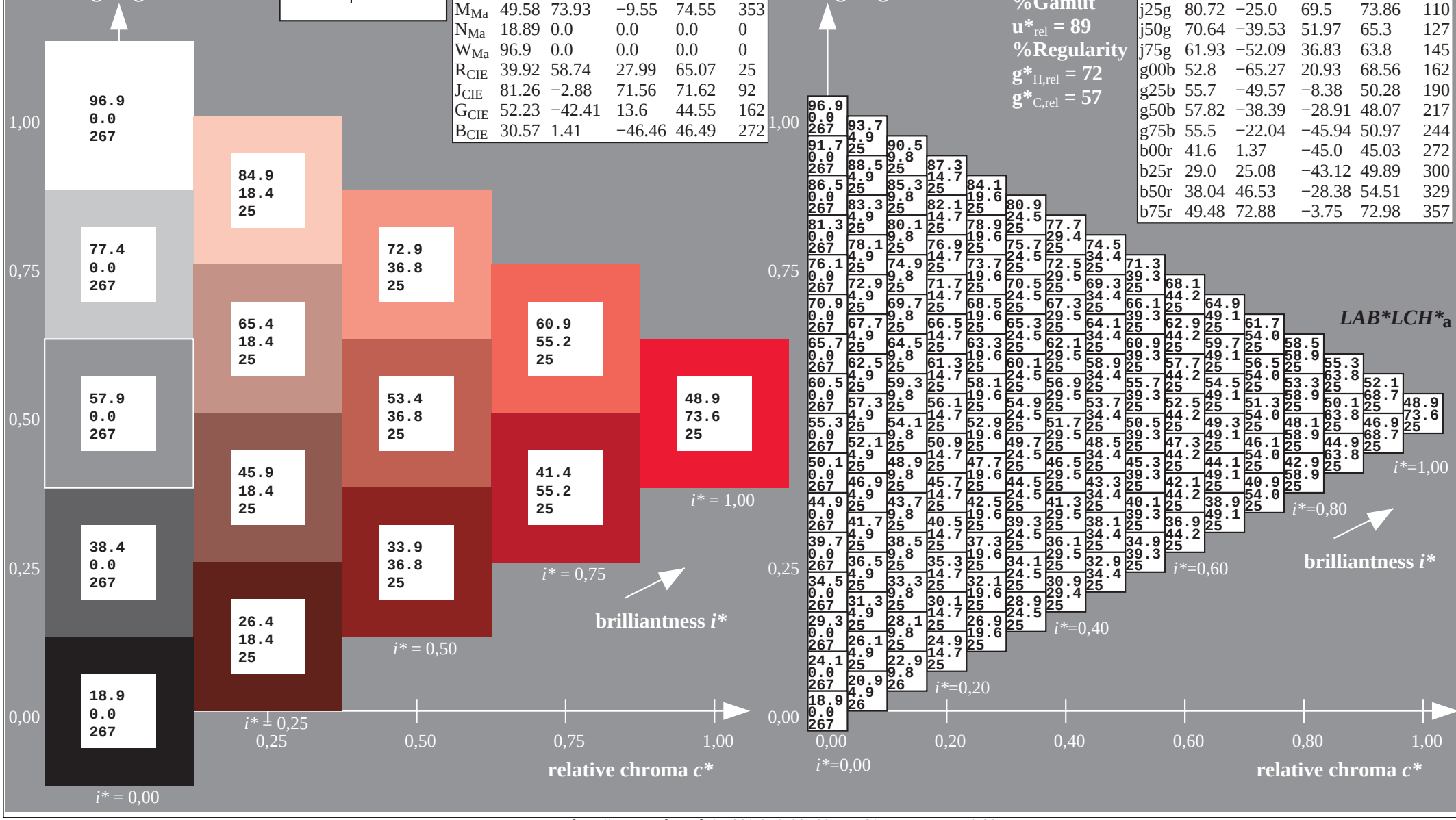
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 49 66 32**
***LAB*LCH*Ma*: 49 74 25**
***lab*rgb*Ma*: 1.0 0.0 0.0**
***lab*olv*Ma*: 1.0 0.0 0.16**
triangle lightness *t**

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

u* = r00j
LAB*LCH*a

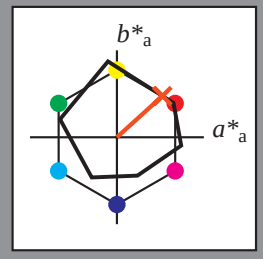
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

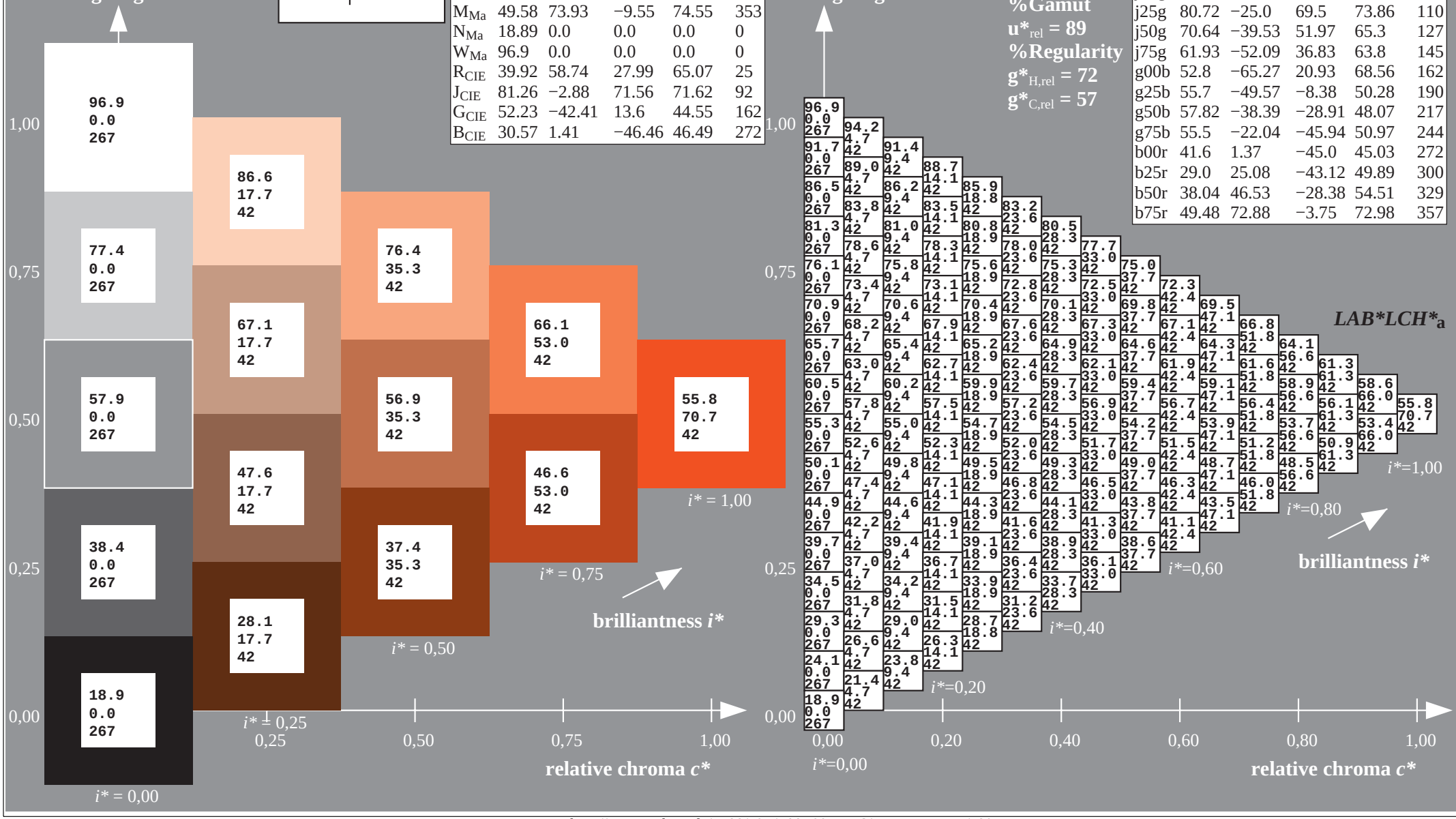
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 56 52 47**
***LAB*LCH*Ma*: 56 71 42**
***lab*rgb*Ma*: 1.0 0.25 0.0**
***lab*olv*Ma*: 1.0 0.17 0.0**
triangle lightness *t**

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

u* = r25j
LAB*LCH*a

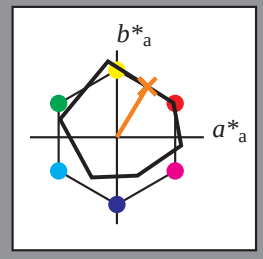
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

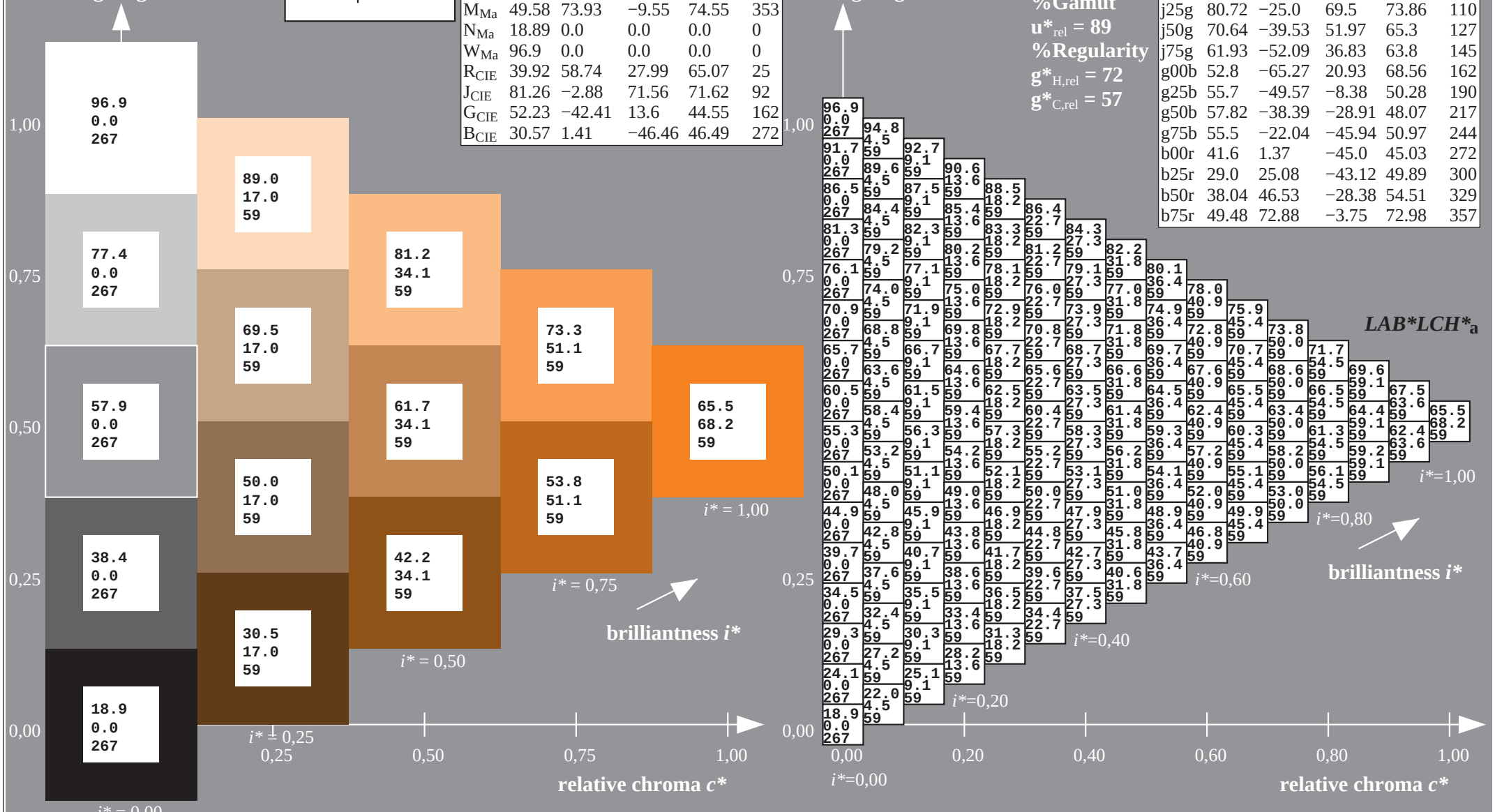
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 65 35 58**
***LAB*LCH*Ma*: 65 68 59**
***lab*rgb*Ma*: 1.0 0.5 0.0**
***lab*olv*Ma*: 1.0 0.4 0.0**
triangle lightness *t**

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

u* = r50j
LAB*LCH*a

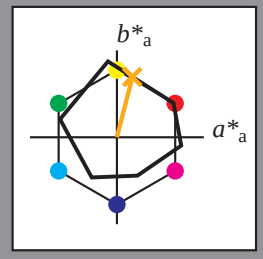
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

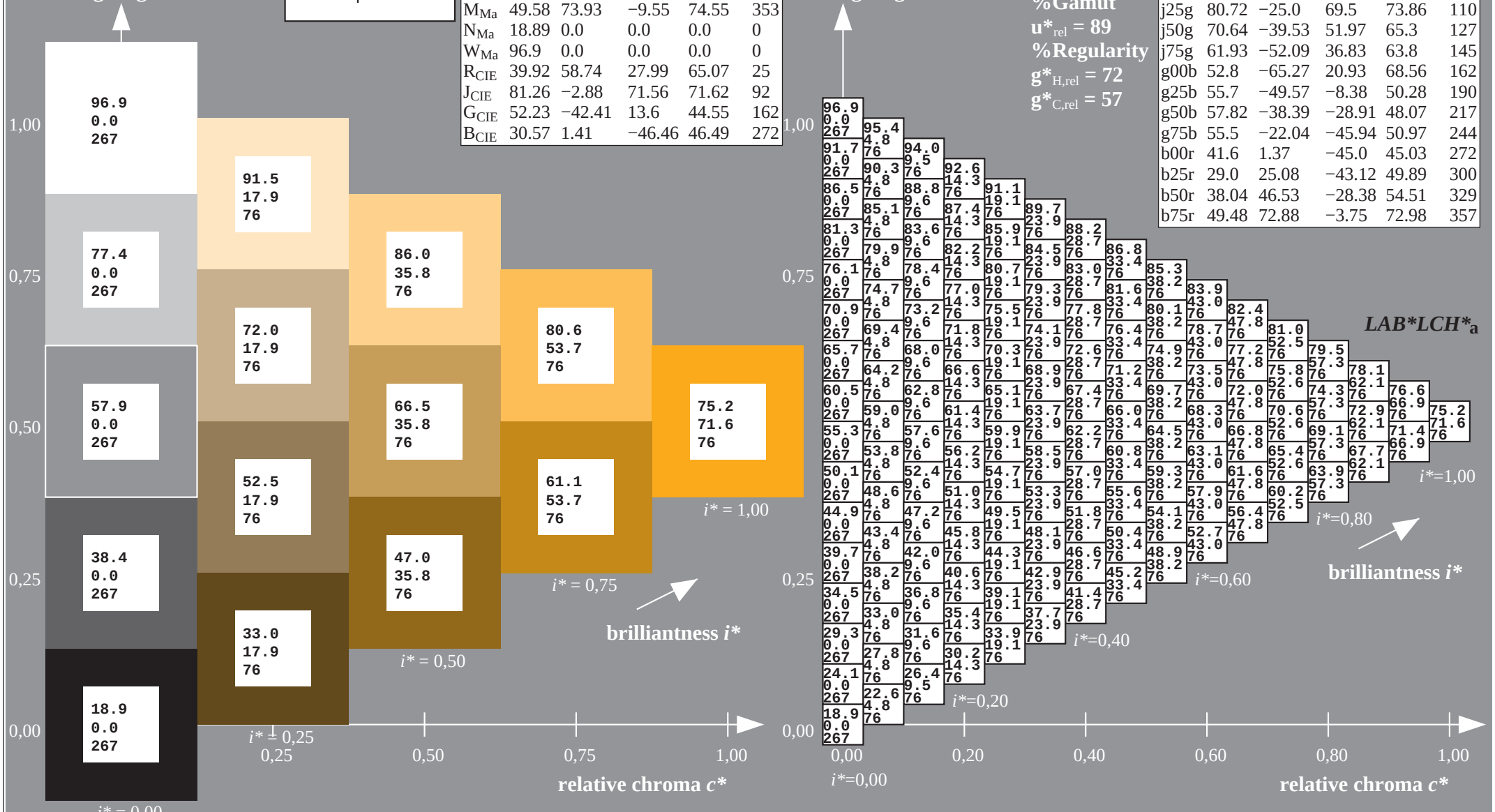
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 75 18 69**
***LAB*LCH*Ma*: 75 72 76**
***lab*rgb*Ma*: 1.0 0.75 0.0**
***lab*olv*Ma*: 1.0 0.63 0.0**
triangle lightness *t**

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

u* = r75j
LAB*LCH*a

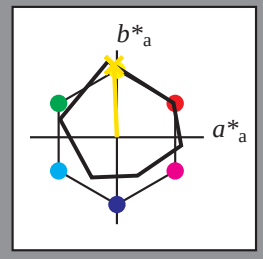
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

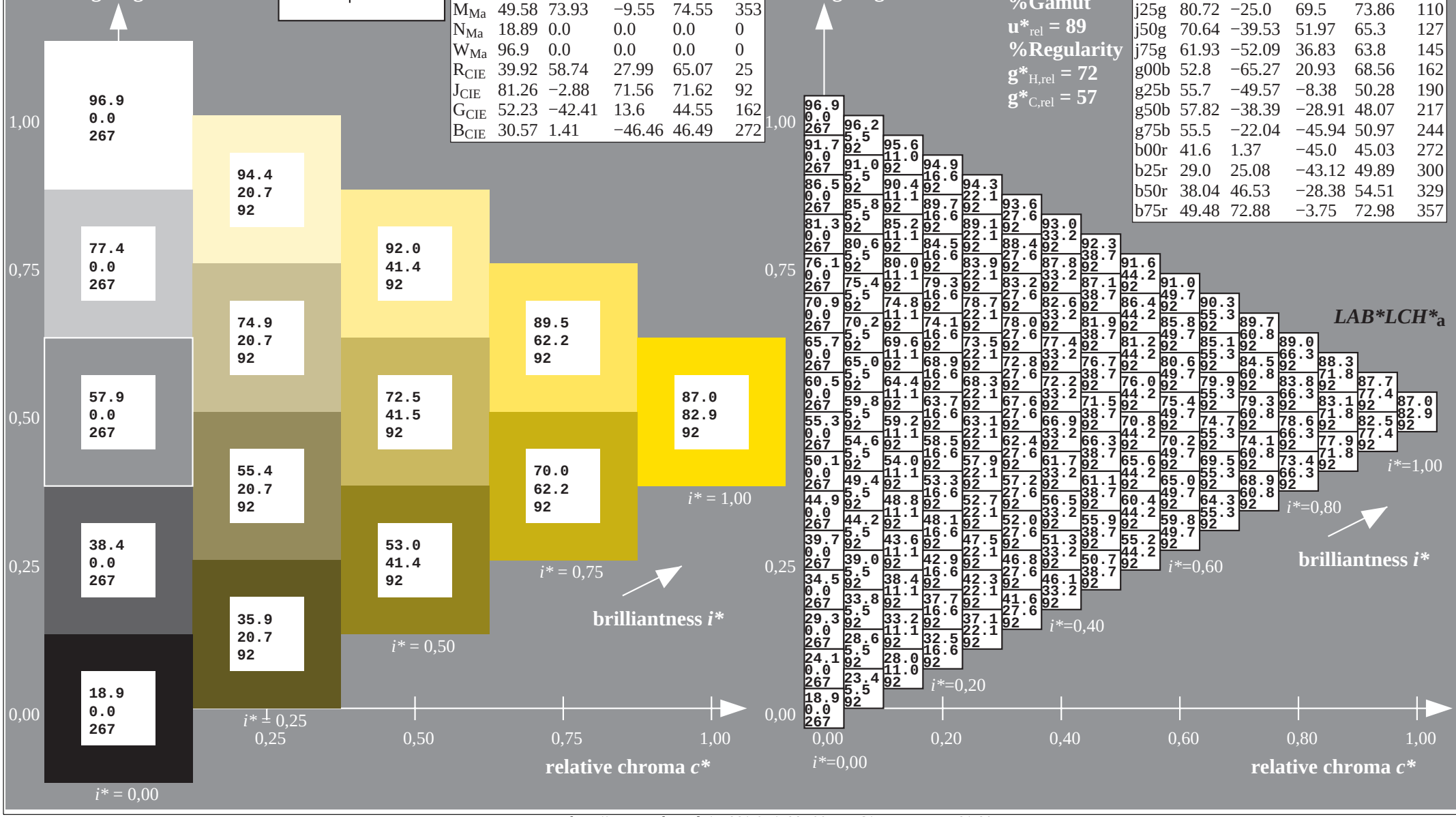
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 87 −2 83**
***LAB*LCH*Ma*: 87 83 92**
***lab*rgb*Ma*: 1.0 1.0 0.0**
***lab*olv*Ma*: 1.0 0.91 0.0**
triangle lightness *t**

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

u* = j00g
LAB*LCH*a

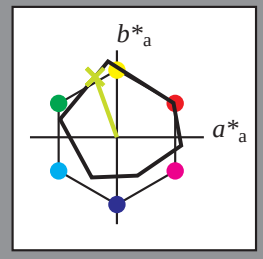
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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 $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$ *u* = j25g* *LAB*LCH*a*

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

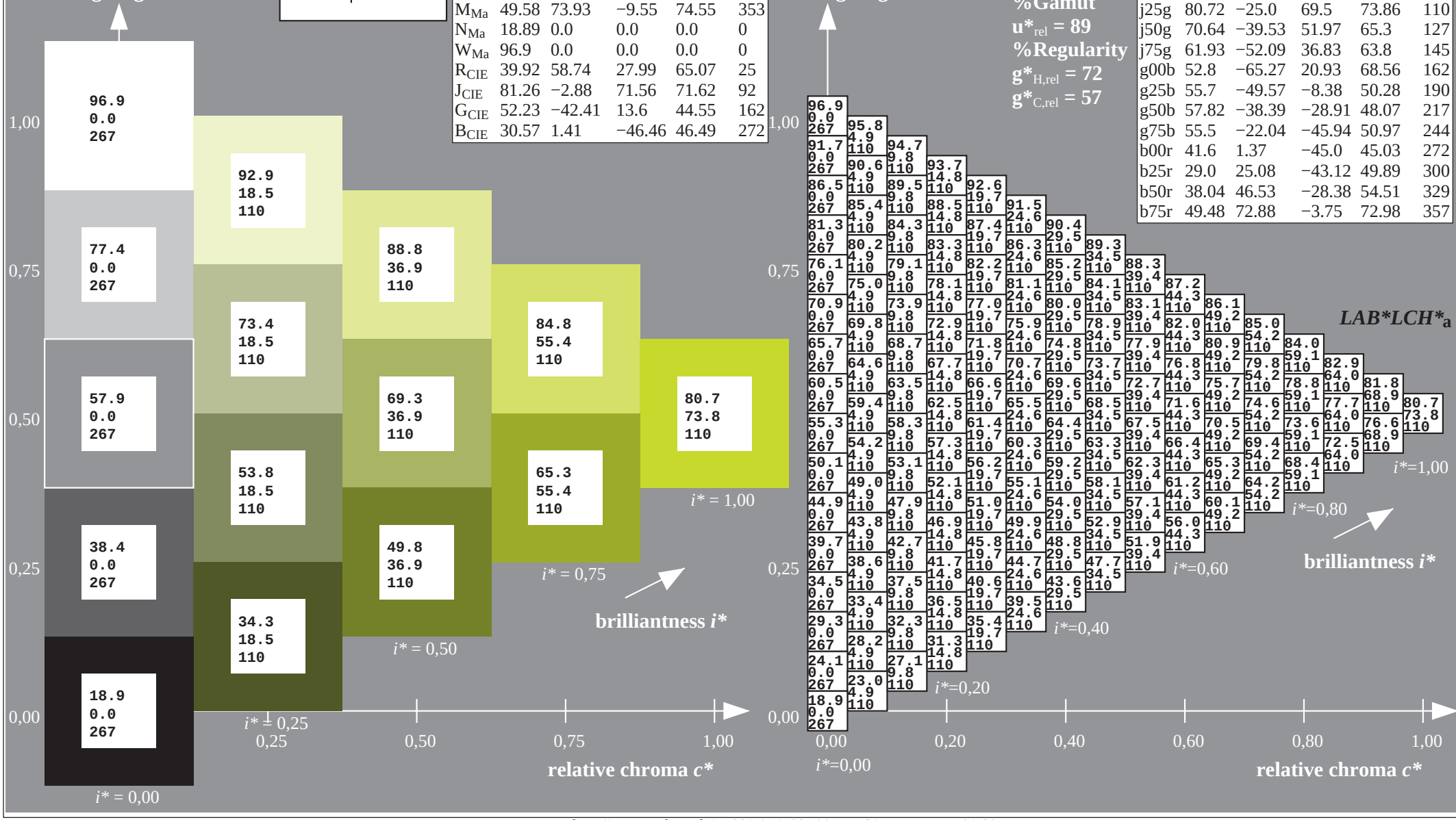
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

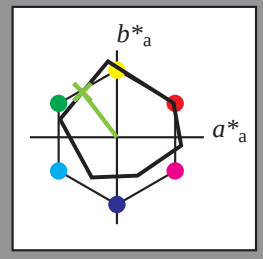
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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

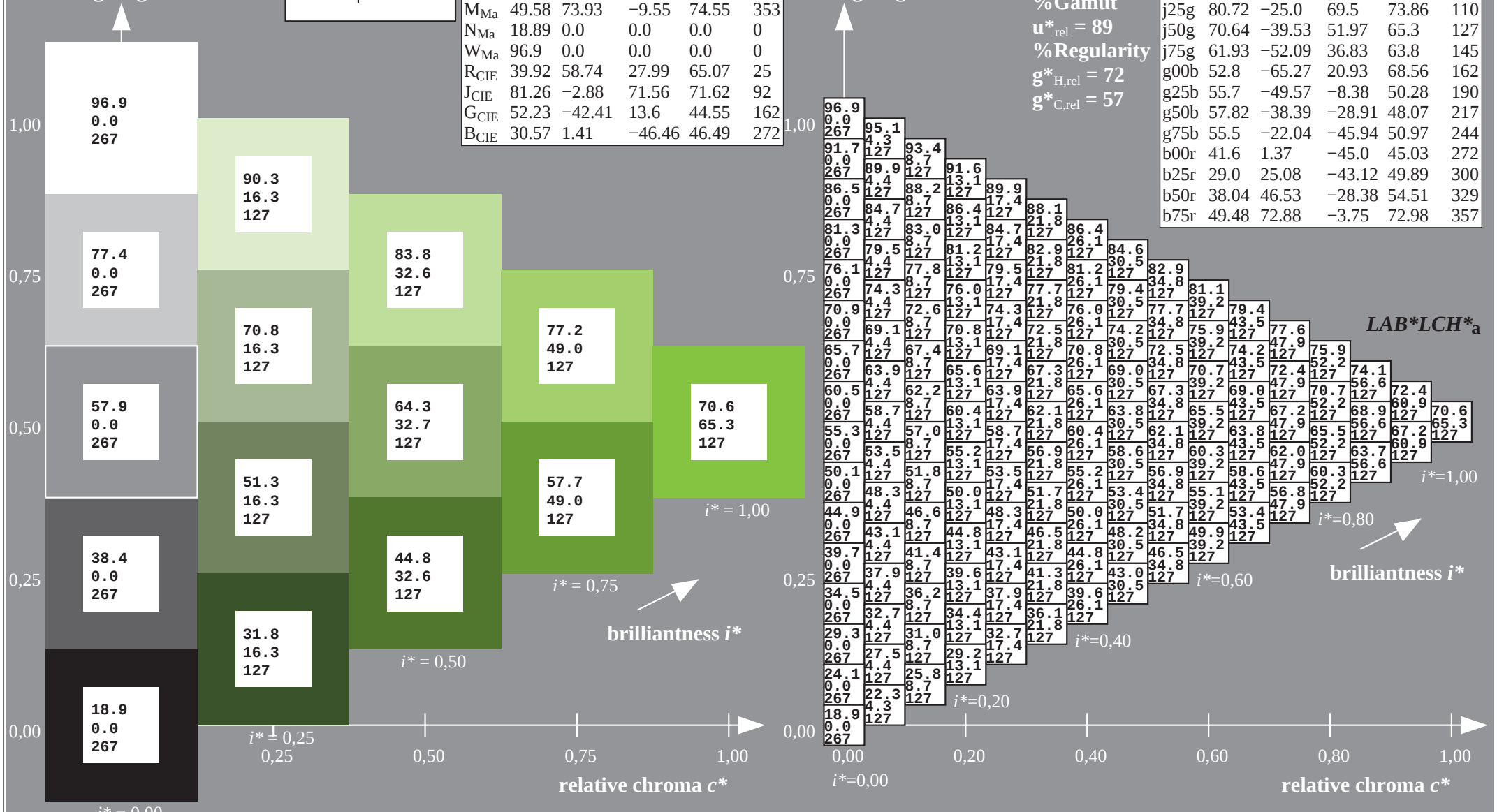
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 71 −39 52**
***LAB*LCH*Ma*: 71 65 127**
***lab*rgb*Ma*: 0.5 1.0 0.0**
***lab*olv*Ma*: 0.47 1.0 0.0**
triangle lightness *t**

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

u* = j50g
LAB*LCH*a

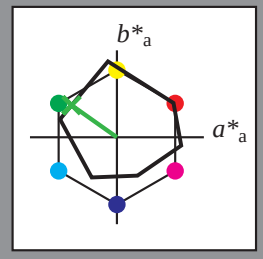
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

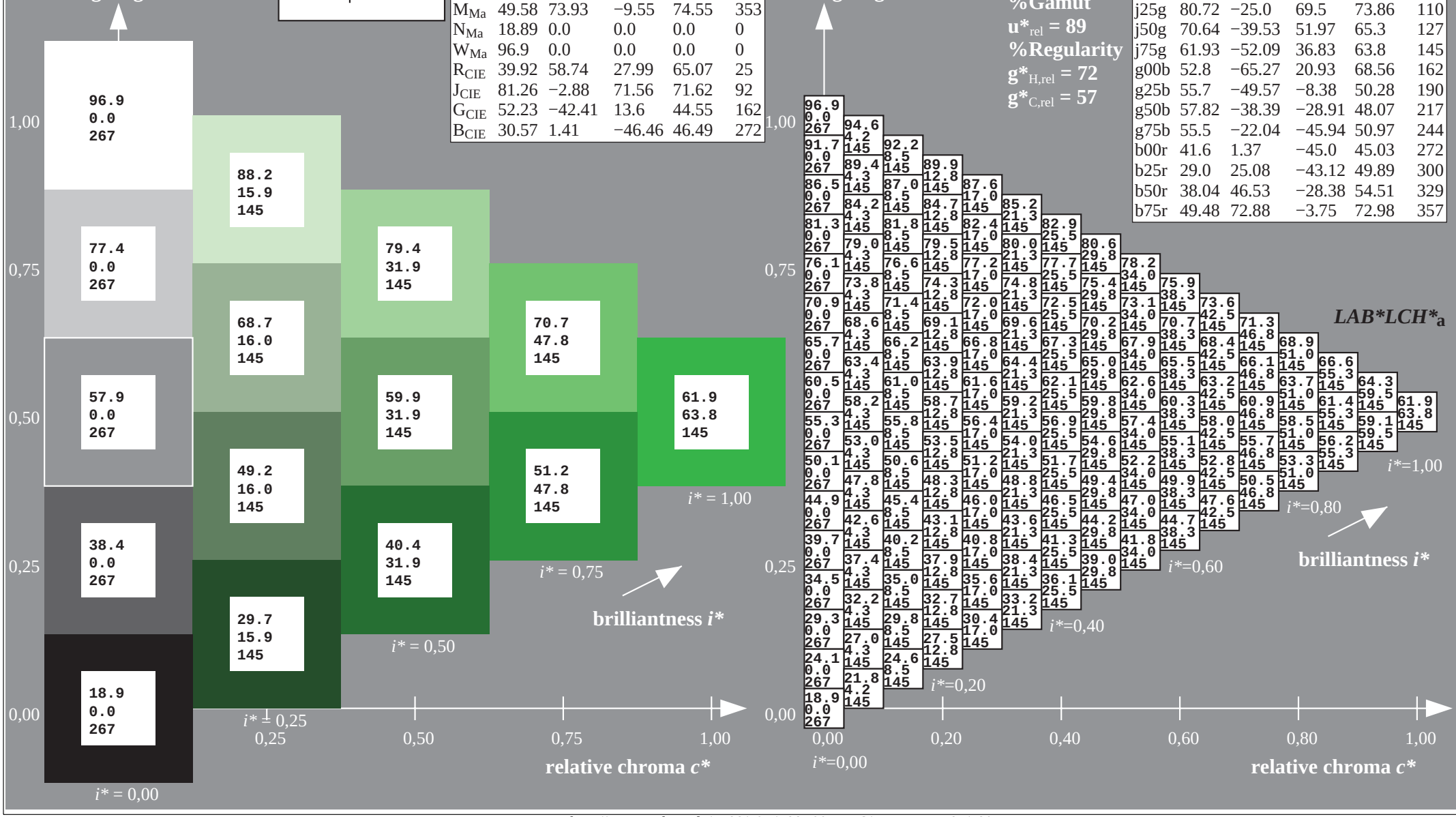
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 62 −51 37**
***LAB*LCH*Ma*: 62 64 145**
***lab*rgb*Ma*: 0.25 1.0 0.0**
***lab*olv*Ma*: 0.24 1.0 0.0**
triangle lightness *t**

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

u* = j75g
LAB*LCH*a

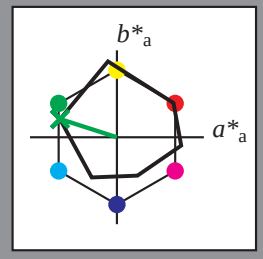
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

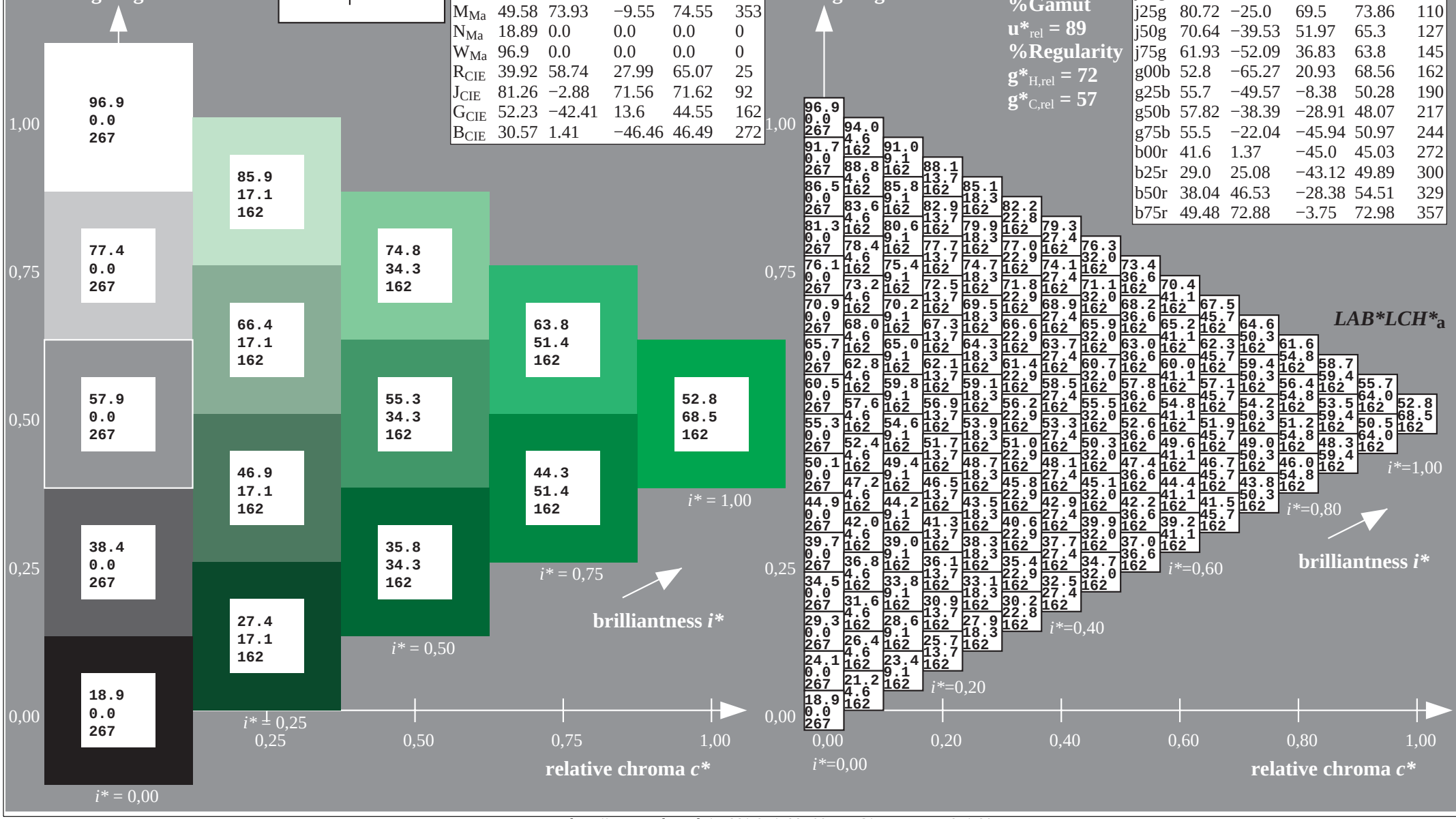
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 53 −64 21**
***LAB*LCH*Ma*: 53 69 162**
***lab*rgb*Ma*: 0.0 1.0 0.0**
***lab*olv*Ma*: 0.0 1.0 0.0**
triangle lightness *t**

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

u* = g00b
LAB*LCH*a

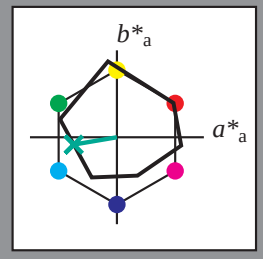
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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 $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$ *u* = g25b*

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

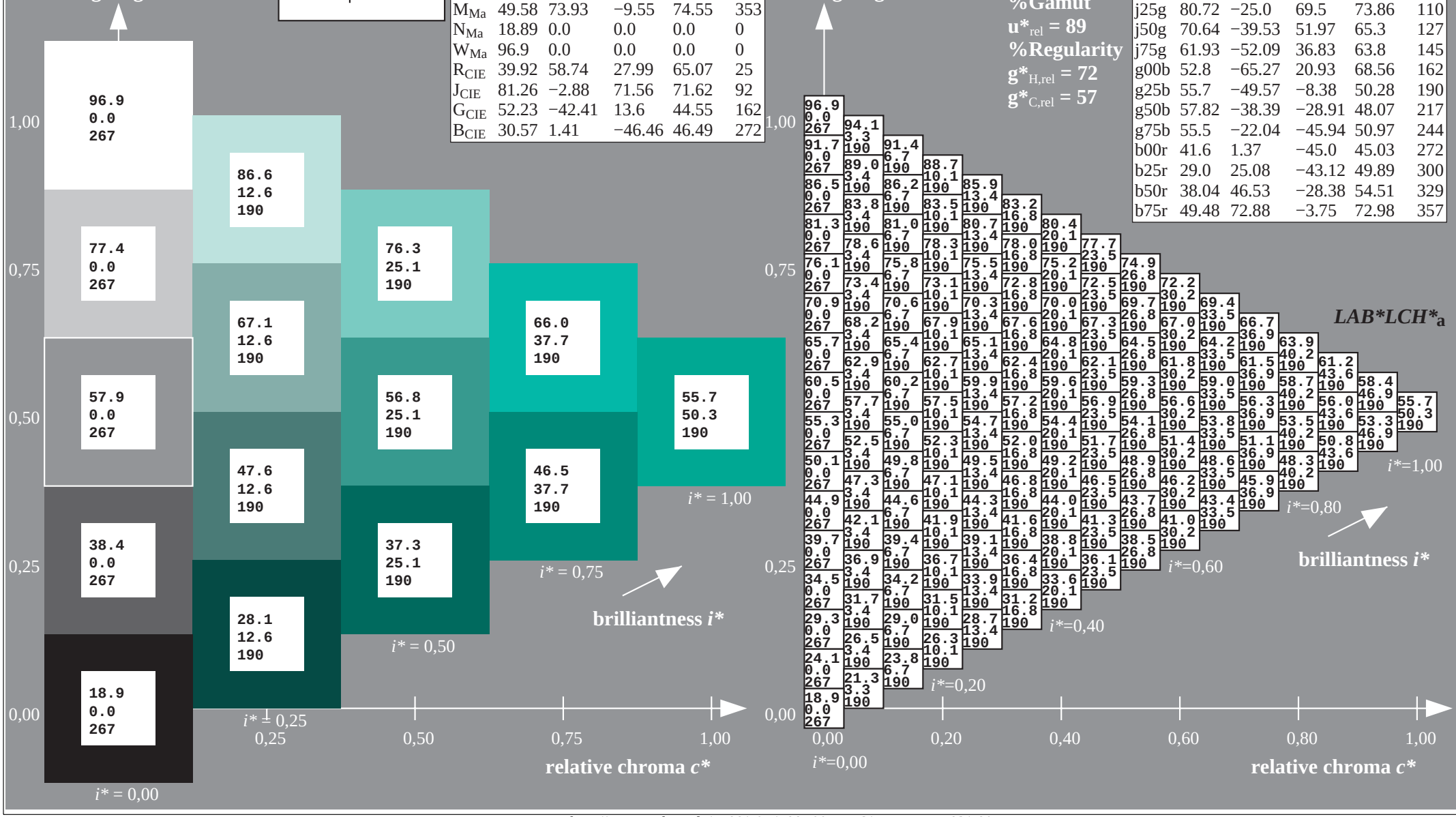
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

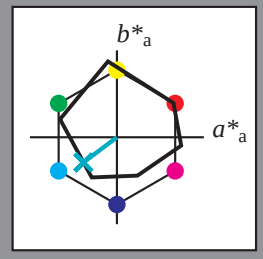
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$ *u* = g50b* *LAB*LCH*a*

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

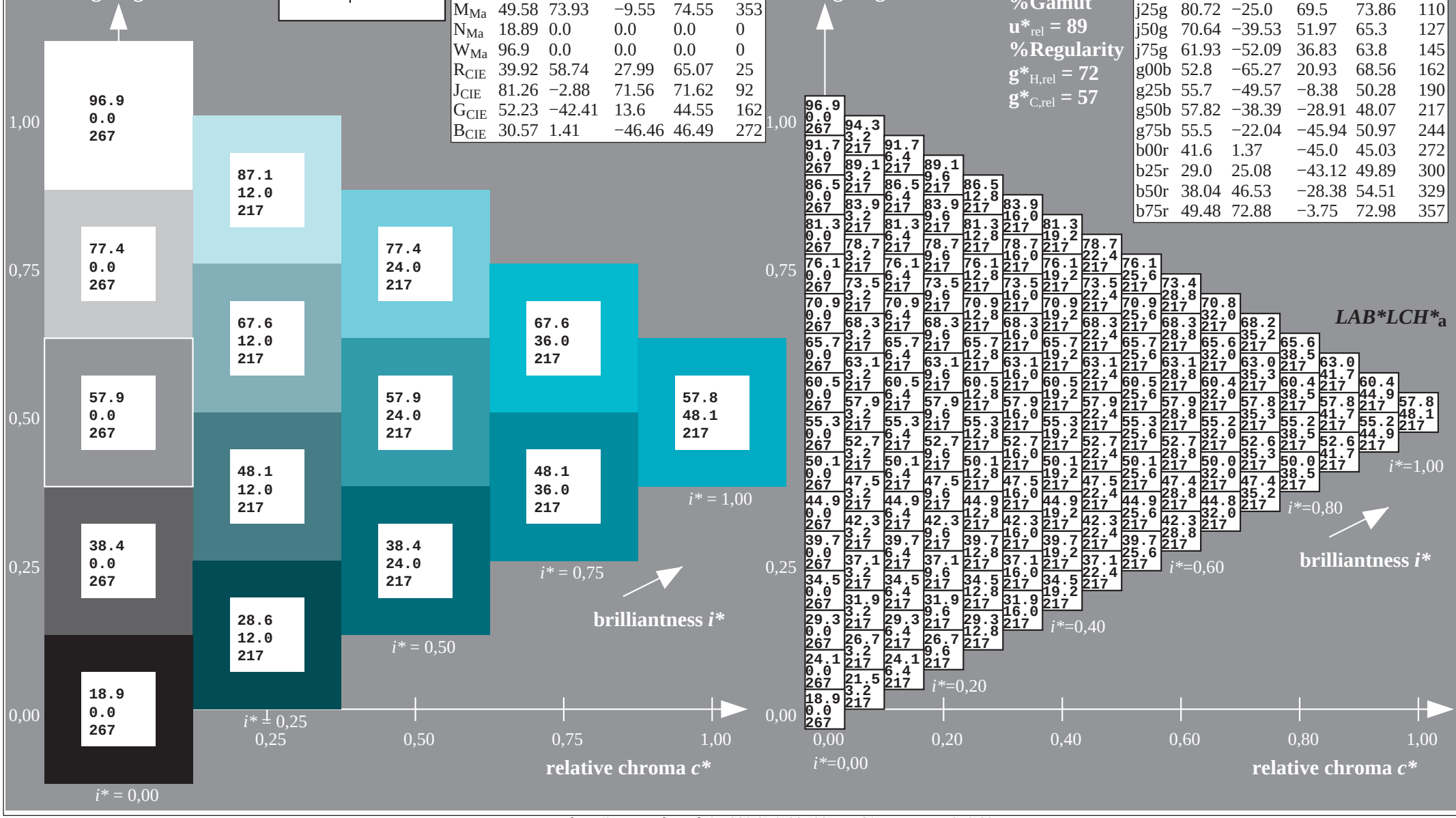
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

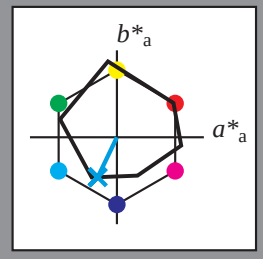
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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

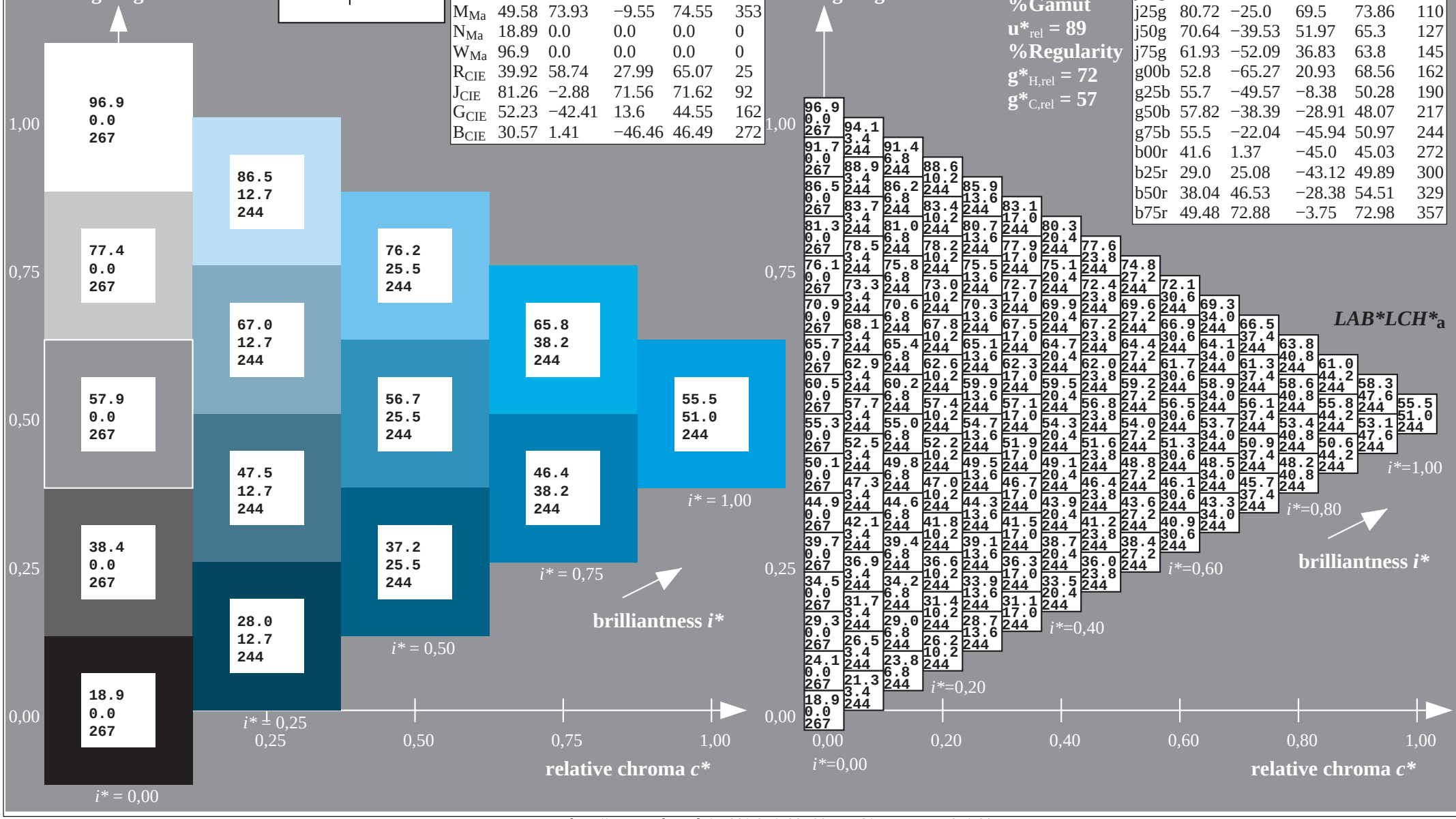
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 55 −21 −45**
***LAB*LCH*Ma*: 55 51 244**
***lab*rgb*Ma*: 0.0 0.5 1.0**
***lab*olv*Ma*: 0.0 0.87 1.0**
triangle lightness *t**

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

u* = g75b
LAB*LCH*a

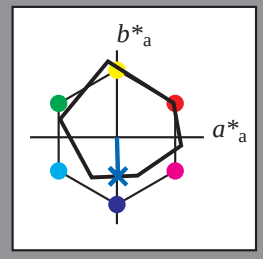
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

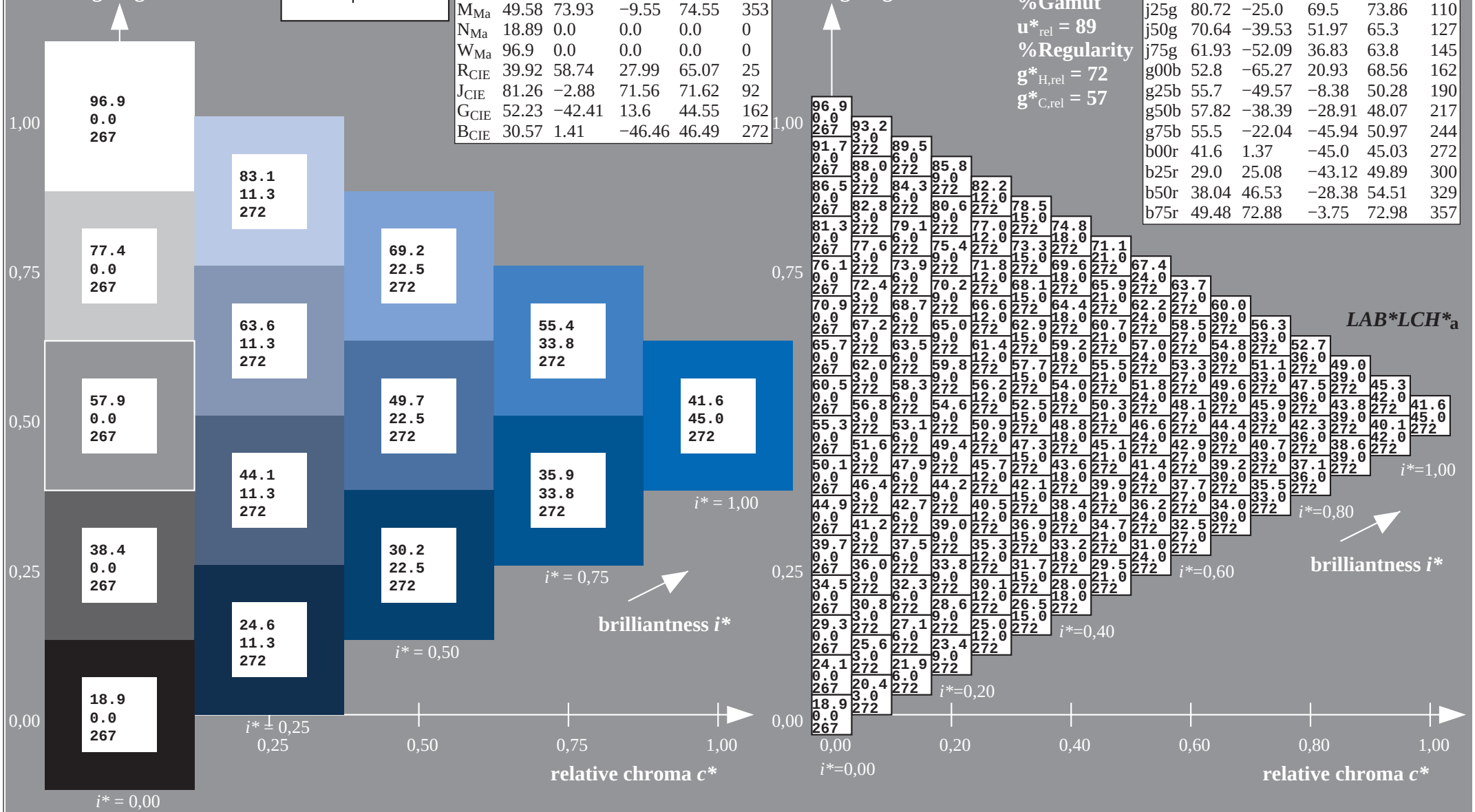
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 42 1 −44**
***LAB*LCH*Ma*: 42 45 272**
***lab*rgb*Ma*: 0.0 0.0 1.0**
***lab*olv*Ma*: 0.0 0.42 1.0**
triangle lightness *t**

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

u* = b00r
LAB*LCH*a

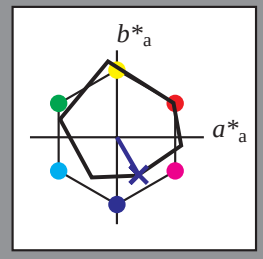
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

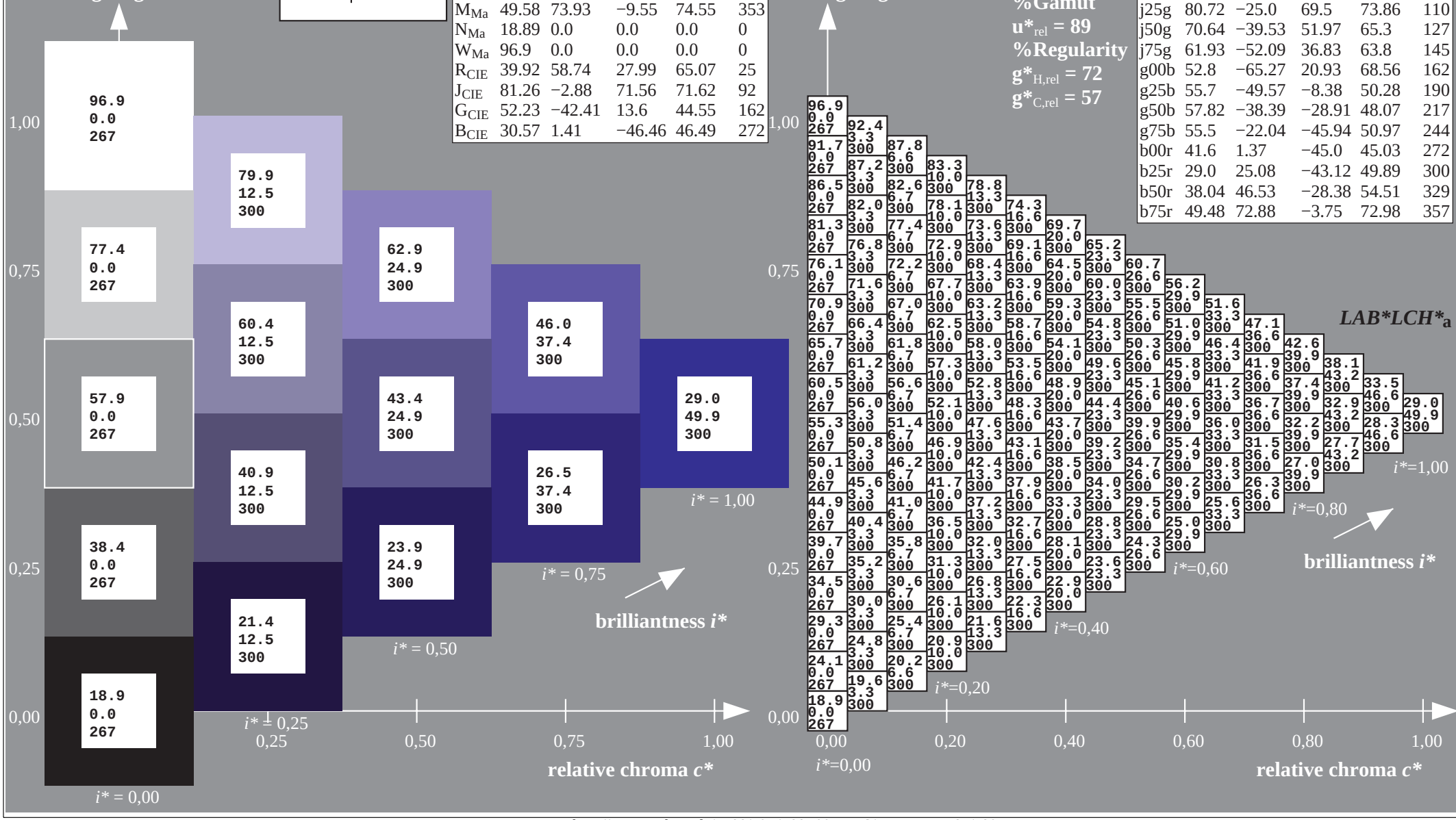
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 29 25 −42**
***LAB*LCH*Ma*: 29 50 300**
***lab*rgb*Ma*: 0.5 0.0 1.0**
***lab*olv*Ma*: 0.03 0.0 1.0**
triangle lightness *t**

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

u* = b25r
LAB*LCH*a

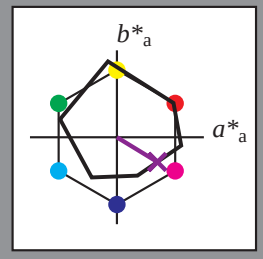
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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 $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$ *u* = b50r*

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

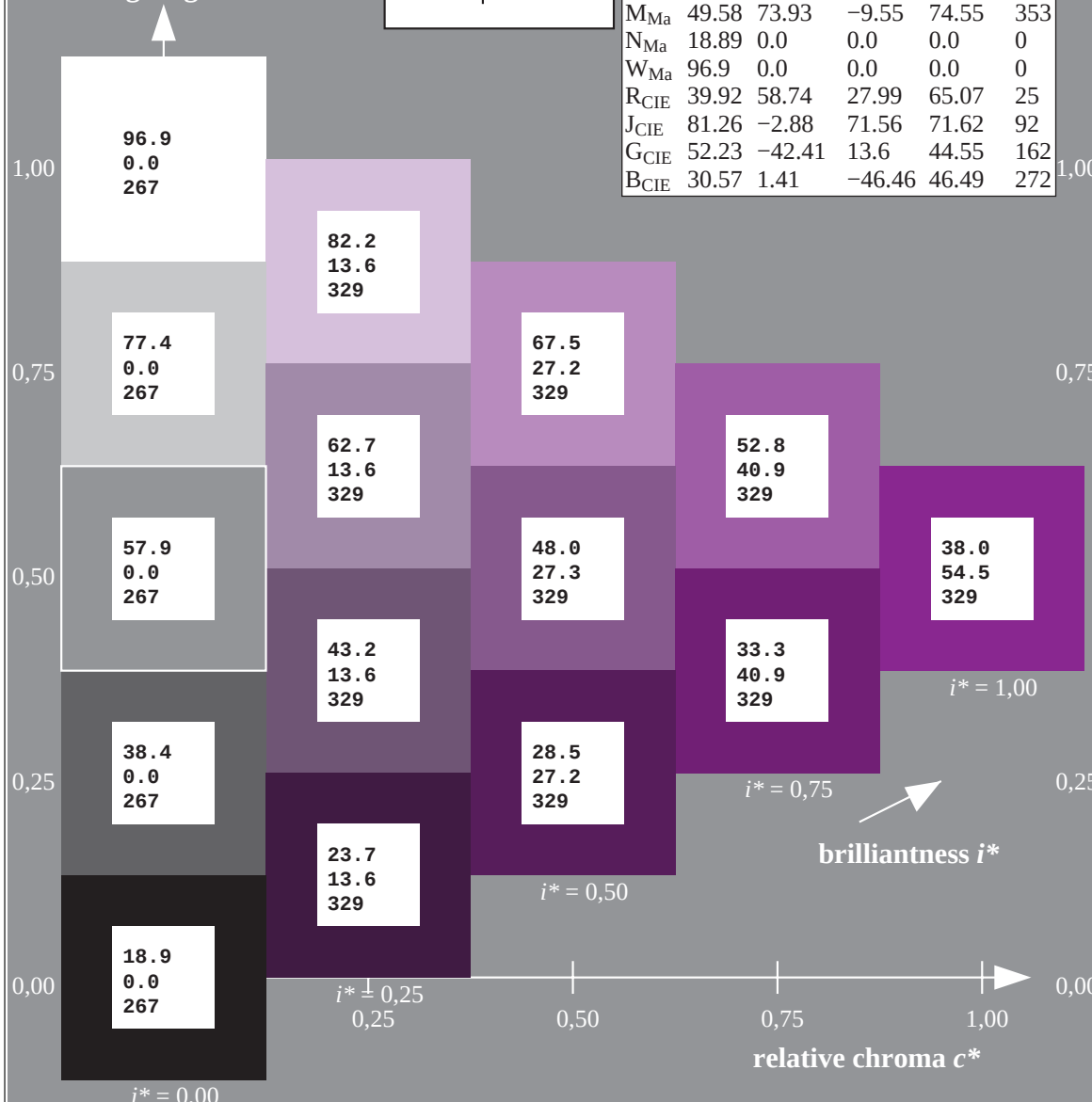
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

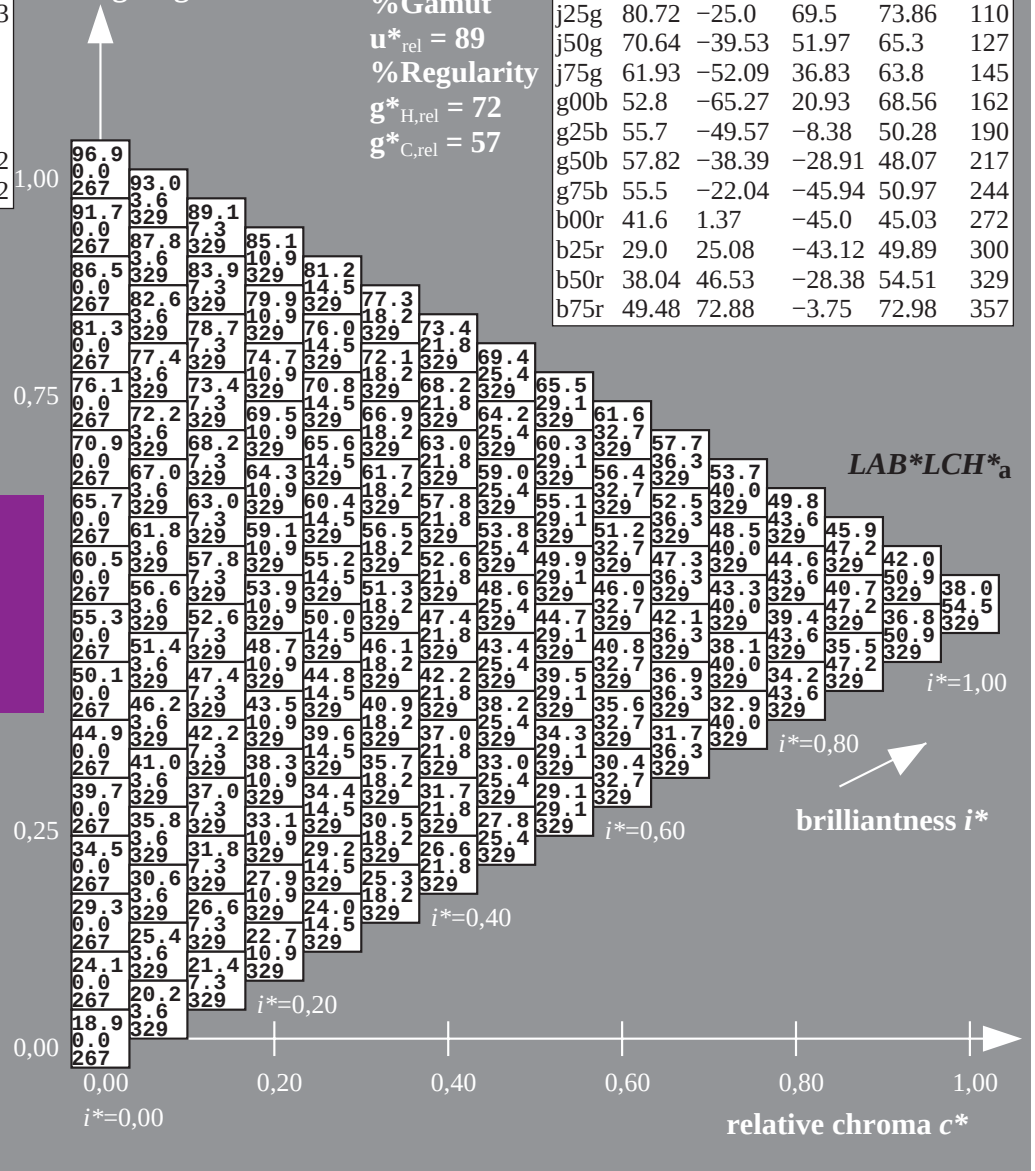
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 38 47 −27**
***LAB*LCH*Ma*: 38 55 329**
***lab*rgb*Ma*: 1.0 0.0 1.0**
***lab*olv*Ma*: 0.46 0.0 1.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

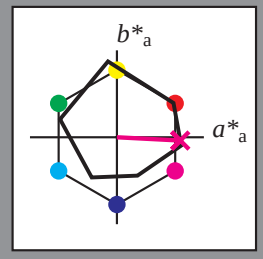
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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

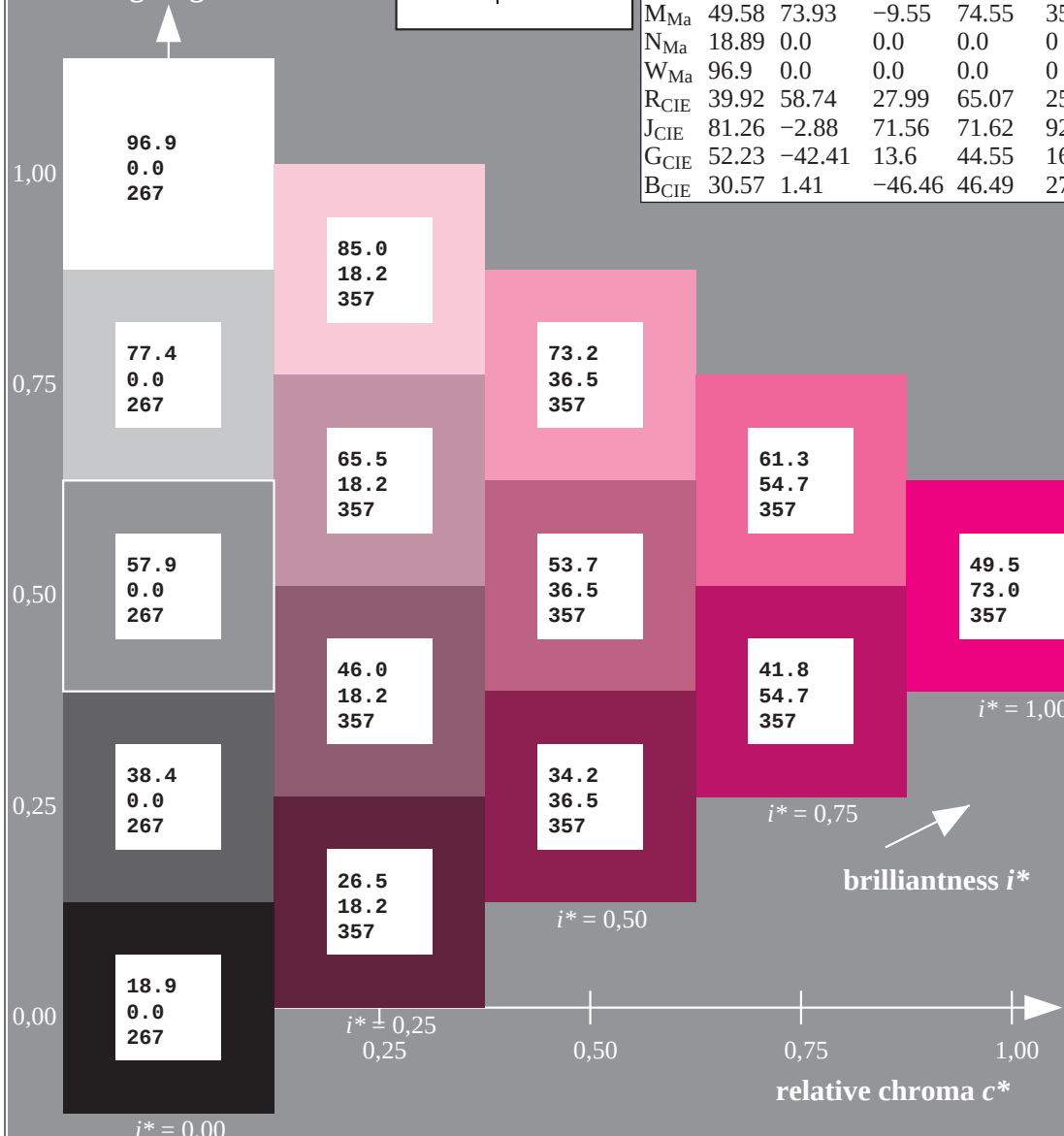
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 49 73 −3**
***LAB*LCH*Ma*: 49 73 357**
***lab*rgb*Ma*: 1.0 0.0 0.5**
***lab*olv*Ma*: 1.0 0.0 0.88**
triangle lightness *t**

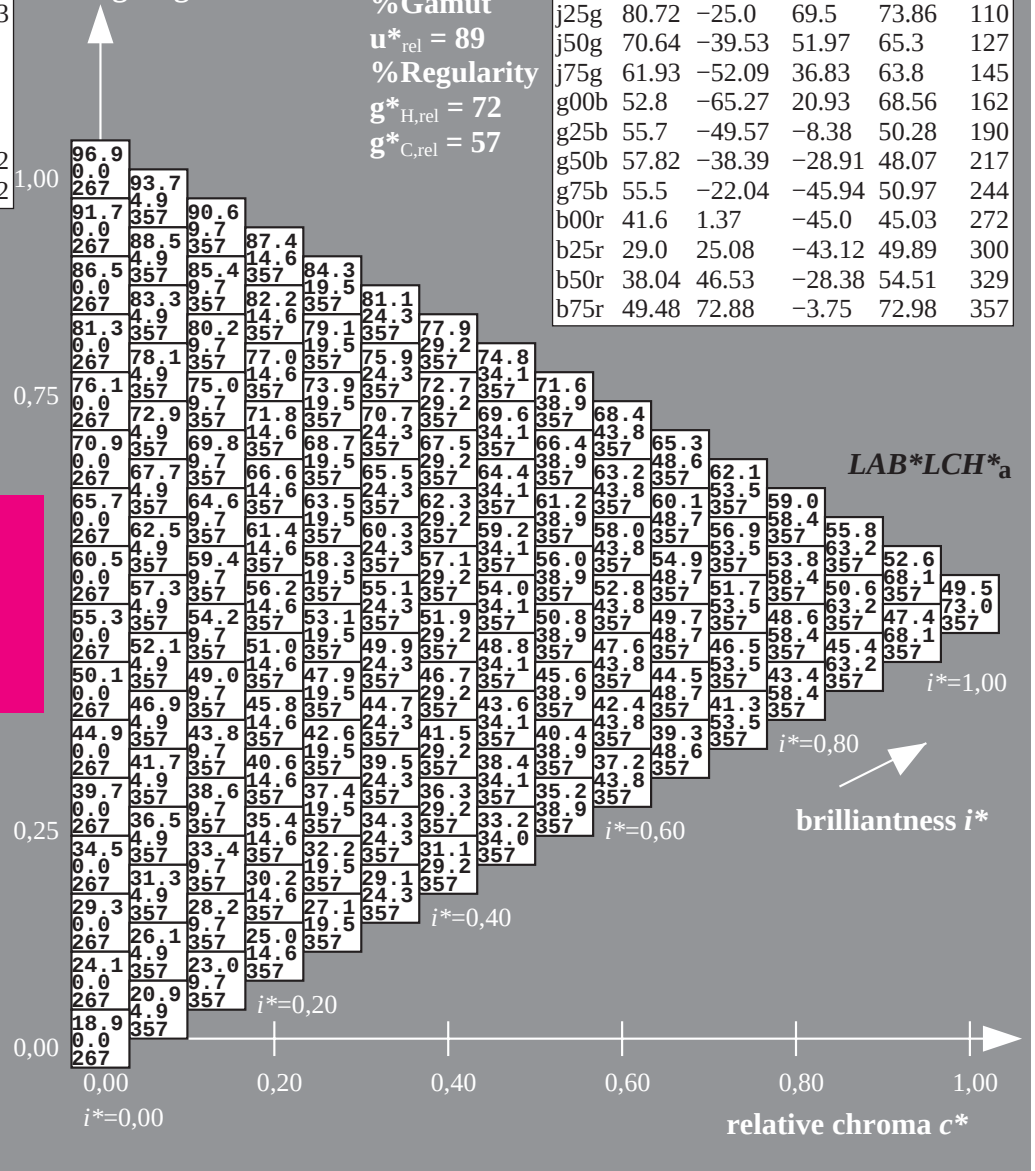
%Gamut
$u^*_{rel} = 89$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

u* = b75r
LAB*LCH*a

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357





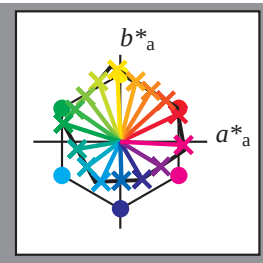
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
01	18.9 0.0 267	23.1 8.6 162	27.3 17.2 162	31.6 25.7 162	35.8 34.3 162	40.0 42.9 162	44.2 51.5 162	48.5 60.1 162	52.7 68.6 162	22.6 9.5 31	27.9 11.0 97	32.1 16.5 125	36.3 23.9 138	40.6 31.9 144	44.8 40.1 148	49.0 48.5 151	53.2 56.9 152	57.5 65.3 154
02	20.1 6.3 298	24.0 6.8 238	28.2 12.2 195	32.4 20.0 182	36.7 28.2 176	40.9 36.6 173	45.1 45.1 171	49.3 53.6 169	53.6 62.1 169	22.7 9.3 353	28.6 0.0 267	32.9 8.6 162	37.1 17.2 162	41.3 25.7 162	45.5 34.3 162	49.8 42.9 162	54.0 51.5 162	58.2 60.1 162
03	21.3 12.5 298	25.2 11.3 267	29.1 13.6 238	33.3 17.8 210	37.5 24.4 195	41.7 32.0 187	46.0 40.0 182	50.2 48.2 178	54.4 56.5 176	23.9 13.9 331	29.8 6.3 298	33.7 6.8 238	38.0 12.2 195	42.2 20.0 182	46.4 28.2 176	50.6 36.6 173	54.9 45.1 171	59.1 53.6 169
04	22.5 18.8 298	26.4 17.0 278	30.3 17.6 256	34.2 20.5 238	38.4 24.1 218	42.6 29.8 204	46.8 36.7 195	51.1 44.1 189	55.3 51.9 185	25.1 19.5 321	31.0 12.5 298	34.9 11.3 267	38.8 13.6 238	43.0 17.8 210	47.3 24.4 195	51.5 32.0 187	55.7 40.0 182	59.9 48.2 178
05	23.6 25.0 298	27.5 22.9 283	31.4 22.6 267	35.4 24.2 251	39.3 27.3 238	43.5 30.6 222	47.7 35.7 210	51.9 41.9 201	56.2 48.9 195	26.3 25.3 316	32.2 18.8 298	36.1 17.0 278	40.0 17.6 256	43.9 20.5 238	48.1 24.1 218	52.4 29.8 204	56.6 36.7 195	60.8 44.1 189
06	24.8 31.3 298	28.7 29.0 286	32.6 28.1 273	36.5 28.8 260	40.4 30.9 248	44.3 34.1 238	48.6 37.2 225	52.8 41.8 215	57.0 47.6 206	27.5 31.4 312	33.4 25.0 298	37.3 22.9 283	41.2 22.6 267	45.1 24.2 251	49.0 27.3 238	53.2 30.6 222	57.5 35.7 210	61.7 41.9 201
07	26.0 37.5 298	29.9 35.2 288	33.8 33.9 278	37.7 33.9 267	41.6 35.2 256	45.5 37.6 246	49.4 40.9 238	53.7 43.9 227	57.9 48.2 218	28.7 37.5 310	34.6 31.3 298	38.5 29.0 286	42.4 28.1 273	46.3 28.8 260	50.2 30.9 248	54.1 34.1 238	58.3 37.2 225	62.5 41.8 215
08	27.2 43.8 298	31.1 41.3 290	35.0 39.8 281	38.9 39.4 271	42.8 40.1 262	46.7 41.7 253	50.6 44.4 245	54.5 47.7 238	58.7 50.6 228	29.9 43.6 308	35.8 37.5 298	39.7 35.2 288	43.6 33.9 278	47.5 33.9 267	51.4 35.2 256	55.3 37.6 246	59.2 40.9 238	63.4 43.9 227
09	28.4 50.0 298	32.3 47.5 291	36.2 45.9 283	40.1 45.1 275	44.0 45.2 267	47.9 46.4 258	51.8 48.4 251	55.7 51.1 244	59.6 54.5 238	31.0 49.8 307	37.0 43.8 298	40.9 41.3 290	44.8 39.8 281	48.7 39.4 271	52.6 40.1 262	56.5 41.7 253	60.4 44.4 245	64.3 47.7 238
10	30.1 28.5 31	35.4 25.6 54	40.6 27.3 78	45.9 32.9 97	50.1 37.3 109	54.4 42.9 118	58.6 49.5 125	62.8 56.5 130	67.0 63.9 134	33.8 38.0 31	39.1 34.6 48	44.4 34.5 67	49.6 37.9 84	54.9 43.9 97	59.1 48.1 106	63.4 53.3 114	67.6 59.3 120	71.8 65.9 125
11	30.2 26.9 19	36.1 19.0 31	41.4 17.3 67	46.6 22.0 97	50.9 26.7 114	55.1 33.0 125	59.3 40.1 132	63.5 47.8 138	67.8 55.7 141	33.9 36.3 22	39.8 28.5 31	45.1 25.6 54	50.4 27.3 78	55.7 32.9 97	59.9 37.3 109	64.1 43.0 118	68.3 49.5 125	72.5 56.5 130
12	30.3 26.7 5	36.2 17.8 12	42.1 9.5 31	47.4 11.0 97	51.6 16.5 125	55.8 23.9 138	60.1 31.9 144	64.3 40.1 148	68.5 48.5 150	34.0 35.5 12	39.9 26.9 19	45.9 19.0 31	51.1 17.3 67	56.4 22.0 97	60.6 26.7 114	64.9 33.0 125	69.1 40.1 132	73.3 47.8 138
13	30.4 27.9 353	36.3 18.6 353	42.2 9.3 353	48.1 0.0 267	52.4 8.6 162	56.6 17.2 162	60.8 25.7 162	65.0 34.3 162	69.3 42.9 162	34.1 35.9 2	40.0 26.7 5	46.0 17.8 12	51.9 9.5 31	57.1 11.0 97	61.4 16.5 125	65.6 23.9 138	69.8 31.9 144	74.0 40.1 148
14	31.6 32.0 343	37.5 22.8 340	43.4 13.9 331	49.3 6.3 298	53.2 6.8 238	57.5 12.2 195	61.7 20.0 182	65.9 28.2 176	70.1 36.6 173	34.2 37.3 353	40.2 28.0 353	46.1 18.6 353	52.0 9.3 353	57.9 0.0 267	62.1 8.6 162	66.3 17.2 162	70.6 25.7 162	74.8 34.3 162
15	32.8 36.7 337	38.7 27.8 331	44.6 19.5 321	50.5 12.5 298	54.4 11.3 267	58.3 13.6 238	62.5 17.8 210	66.8 24.4 195	71.0 32.0 187	35.4 41.2 346	41.3 32.0 343	47.3 22.8 340	53.2 13.9 331	59.1 6.3 298	63.0 6.8 238	67.2 12.2 195	71.4 20.0 182	75.7 28.2 176
16	34.0 41.8 331	39.9 33.3 325	45.8 25.3 316	51.7 18.8 298	55.6 17.0 278	59.5 17.6 256	63.4 20.5 238	67.6 24.1 218	71.9 29.8 204	36.6 45.7 340	42.5 36.7 337	48.4 27.8 331	54.4 19.5 321	60.3 12.5 298	64.2 11.3 267	68.1 13.6 238	72.3 17.8 210	76.5 24.4 195
17	35.2 47.1 327	41.1 38.9 321	47.0 31.4 312	52.9 25.0 298	56.8 22.9 283	60.7 22.6 267	64.6 24.2 251	68.5 27.3 238	72.7 30.6 222	37.8 50.5 335	43.7 41.8 331	49.6 33.3 325	55.5 25.3 316	61.5 18.8 298	65.4 17.0 278	69.3 17.6 256	73.2 20.5 238	77.4 24.1 218
18	36.3 52.7 324	42.3 44.8 318	48.2 37.5 310	54.1 31.3 298	58.0 29.0 286	61.9 28.1 273	65.8 28.8 260	69.7 30.9 248	73.6 34.1 238	39.0 55.7 331	44.9 47.1 327	50.8 38.9 321	56.7 31.4 312	62.6 25.0 298	66.5 22.9 283	70.4 22.6 267	74.4 24.2 251	78.3 27.3 238
19	41.3 57.1 31	46.6 53.0 42	51.8 51.2 54	57.1 51.7 67	62.4 54.6 78	67.6 59.5 88	72.9 65.9 97	77.1 69.8 103	81.4 74.6 109	45.0 66.6 31	50.3 62.4 40	55.6 60.1 51	60.8 59.8 61	66.1 61.5 72	71.4 65.1 81	76.6 70.4 90	81.9 76.9 97	86.1 80.8 102
20	41.4 55.1 25	47.3 47.6 31	52.6 43.8 44	57.8 42.6 59	63.1 44.3 74	68.4 48.6 86	73.7 54.9 97	77.9 59.0 104	82.1 63.9 111	45.1 64.6 26	51.0 57.1 31	56.3 53.1 42	61.6 51.2 54	66.9 51.8 67	72.1 54.6 78	77.4 59.5 88	82.7 65.9 97	86.9 69.9 103
21	41.5 53.9 19	47.4 45.7 24	53.3 38.0 31	58.6 34.6 48	63.9 34.5 67	69.1 37.9 84	74.4 43.9 97	78.6 48.1 106	82.9 53.3 114	45.2 63.2 21	51.1 55.1 25	57.1 47.6 31	62.3 43.8 44	67.6 42.6 59	72.9 44.3 74	78.1 48.6 86	83.4 54.9 97	87.6 59.0 104
22	41.6 53.3 12	47.5 44.6 16	53.4 36.3 22	59.3 28.5 31	64.6 25.6 54	69.9 27.3 78	75.2 32.9 97	79.4 37.3 109	83.6 43.0 118	45.3 62.4 15	51.2 53.9 19	57.2 45.7 24	63.1 38.0 31	68.3 34.6 48	73.6 34.5 67	78.9 37.9 84	84.2 43.9 97	88.4 48.1 106
23	41.7 53.5 5	47.6 44.4 8	53.5 35.5 12	59.4 26.9 19	65.4 19.0 31	70.6 17.3 67	75.9 22.0 97	80.1 26.7 114	84.3 33.0 125	45.4 62.2 9	51.3 53.3 12	57.3 44.6 16	63.2 36.3 22	69.1 28.5 31	74.4 25.6 54	79.6 27.3 78	84.9 32.9 97	89.1 37.3 109
24	41.8 54.3 359	47.7 45.1 0	53.6 35.9 2	59.5 26.7 5	65.5 17.8 12	71.4 9.5 31	76.7 11.0 97	80.9 16.5 125	85.1 23.9 138	45.5 62.6 4	51.5 53.5 5	57.4 44.4 8	63.3 35.5 12	69.2 26.9 19	75.1 19.0 31	80.4 17.3 67	85.7 22.0 97	89.9 26.7 114
25	41.9 55.9 353	47.8 46.6 353	53.7 37.3 353	59.7 28.0 353	65.6 18.6 353	71.5 9.3 353	77.4 0.0 267	81.6 8.6 162	85.8 17.2 162	45.6 63.6 358	51.6 54.4 359	57.5 45.1 0	63.4 35.9 2	69.3 26.7 5	75.2 17.8 12	81.1 9.5 31	86.4 11.0 97	90.6 16.5 125
26	43.1 59.8 348	49.0 50.5 347	54.9 41.2 346	60.8 32.0 343	66.8 22.8 340	72.7 13.9 331	78.6 6.3 298	82.5 6.8 238	86.7 12.2 195	45.7 65.2 353	51.7 55.9 353	57.6 46.6 353	63.5 37.3 353	69.4 28.0 353	75.3 18.6 353	81.2 9.3 353	87.2 0.0 267	91.4 8.6 162
27	44.3 64.0 343	50.2 54.8 342	56.1 45.7 340	62.0 36.7 337	67.9 27.8 331	73.9 19.5 321	79.8 12.5 298	83.7 11.3 267	87.6 13.6 238	46.9 69.0 348	52.8 59.8 348	58.8 50.5 347	64.7 41.2 346	70.6 32.0 343	76.5 22.8 340	82.4 13.9 331	88.3 6.3 298	92.2 6.8 238

	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LCH*a		
01	26.4 19.0 31	31.6 17.2 67	36.9 22.0 97	41.1 26.7 114	45.3 33.0 125	49.6 40.1 133	53.8 47.8 138	58.0 55.7 141	62.2 63.7 144	96.9 0.0 267	90.9 9.5 31	84.9 19.0 31	78.8 28.5 31	72.8 38.0 31	66.8 47.5 31	60.8 57.1 31	54.8 66.6 31	48.8 76.1 31	18.9 0.0 267	18.9 0.0 267	18.9 0.0 267	18.9 0.0 267
02	26.5 17.8 12	32.4 9.5 31	37.6 11.0 97	41.9 16.5 125	46.1 23.9 138	50.3 31.9 144	54.5 40.1 148	58.8 48.5 150	63.0 56.9 152	92.2 6.8 238	87.2 0.0 267	81.1 9.5 31	75.1 19.0 31	69.1 28.5 31	63.1 38.0 31	57.1 47.6 31	51.0 57.1 31	45.0 66.6 31	28.6 0.0 267	28.6 0.0 267	28.6 0.0 267	28.6 0.0 267
03	26.6 18.6 353	32.5 9.3 353	38.4 0.0 267	42.6 8.6 162	46.8 17.2 162	51.1 25.7 162	55.3 34.3 162	59.5 42.9 162	63.7 51.5 162	87.6 13.6 238	82.5 6.8 238	77.4 0.0 267	71.4 9.5 31	65.4 19.0 31	59.3 28.5 31	53.3 38.0 31	47.3 47.6 31	41.3 57.1 31	38.4 0.0 267	38.4 0.0 267	38.4 0.0 267	38.4 0.0 267
04	27.8 22.8 340	33.7 13.9 331	39.6 6.3 298	43.5 6.8 238	47.7 12.2 195	51.9 20.0 182	56.2 28.2 176	60.4 36.6 173	64.6 45.1 171	82.9 20.5 238	77.8 13.6 238	72.7 6.8 238	67.7 0.0 267	61.6 9.5 31	55.6 19.0 31	49.6 28.5 31	43.6 38.0 31	37.6 47.5 31	48.1 0.0 267	48.1 0.0 267	48.1 0.0 267	48.1 0.0 267
05	28.9 27.8 331	34.9 19.5 321	40.8 12.5 298	44.7 11.3 267	48.6 13.6 238	52.8 17.8 210	57.0 24.4 195	61.2 32.0 187	65.5 40.0 182	78.3 27.3 238	73.2 20.5 238	68.1 13.6 238	63.0 6.8 238	57.9 0.0 267	51.9 9.5 31	45.9 19.0 31	39.8 28.5 31	33.8 38.0 31	57.9 0.0 267	57.9 0.0 267	57.9 0.0 267	57.9 0.0 267
06	30.1 33.3 325	36.0 25.3 316	42.0 18.8 298	45.9 17.0 278	49.8 17.6 256	53.7 20.5 238	57.9 24.1 218	62.1 29.8 204	66.3 36.7 195	73.6 34.1 238	68.5 27.3 238	63.4 20.5 238	58.3 13.6 238	53.2 6.8 238	48.1 0.0 267	42.1 9.5 31	36.1 19.0 31	30.1 28.5 31	67.7 0.0 267	67.7 0.0 267	67.7 0.0 267	67.7 0.0 267
07	31.3 38.9 321	37.2 31.4 312	43.1 25.0 298	47.0 22.9 283	50.9 22.6 267	54.9 24.2 251	58.8 27.3 238	63.0 30.6 222	67.2 35.7 210	68.9 40.9 238	63.8 34.1 238	58.8 27.3 238	53.7 20.5 238	48.6 13.6 238	43.5 6.8 238	38.4 0.0 267	32.4 9.5 31	26.4 19.0 31	77.4 0.0 267	77.4 0.0 267	77.4 0.0 267	77.4 0.0 267
08	32.5 44.8 318	38.4 37.5 310	44.3 31.3 298	48.2 29.0 286	52.1 28.1 273	56.0 28.8 260	59.9 30.9 248	63.8 34.1 238	68.1 37.2 225	64.3 47.7 238	59.2 40.9 238	54.1 34.1 238	49.0 27.3 238	43.9 20.5 238	38.8 13.6 238	33.7 6.8 238	28.6 0.0 267	22.6 9.5 31	87.2 0.0 267	87.2 0.0 267	87.2 0.0 267	87.2 0.0 267
09	33.7 50.7 316	39.6 43.6 308	45.5 37.5 298	49.4 35.2 288	53.3 33.9 278	57.2 33.9 267	61.1 35.2 256	65.0 37.6 246	68.9 40.9 238	59.6 54.5 238	54.5 47.7 238	49.4 40.9 238	44.3 34.1 238	39.3 27.3 238	34.2 20.5 238	29.1 13.6 238	24.0 6.8 238	18.9 0.0 267	96.9 0.0 267	96.9 0.0 267	96.9 0.0 267	96.9 0.0 267
10	37.6 47.5 31	42.8 43.7 44	48.1 42.6 59	53.4 44.3 74	58.6 48.6 86	63.9 54.9 97	68.1 59.0 104	72.4 63.9 111	76.6 69.6 116	96.9 0.0 267	96.1 11.0 97	95.4 22.0 97	94.7 32.9 97	93.9 43.9 97	93.2 54.9 97	92.4 65.9 97	91.7 76.9 97	90.9 87.8 97	18.9 0.0 267	18.9 0.0 267	18.9 0.0 267	18.9 0.0 267
11	37.7 45.7 24	43.6 38.0 31	48.8 34.6 48	54.1 34.5 67	59.4 37.9 84	64.7 43.9 97	68.9 48.1 106	73.1 53.3 114	77.3 59.4 120	88.3 6.3 298	87.2 0.0 267	86.4 11.0 97	85.7 22.0 97	84.9 32.9 97	84.2 43.9 97	83.4 54.9 97	82.7 65.9 97	81.9 76.9 97	24.1 0.0 267	24.1 0.0 267	24.1 0.0 267	24.1 0.0 267
12	37.8 44.6 16	43.7 36.3 22	49.6 28.5 31	54.9 25.6 54	60.1 27.3 78	65.4 32.9 97	69.6 37.3 109	73.9 43.0 118	78.1 49.5 125	79.8 12.5 298	78.6 6.3 298	77.4 0.0 267	76.7 11.0 97	75.9 22.0 97	75.2 32.9 97	74.4 43.9 97	73.7 54.9 97	72.9 65.9 97	29.3 0.0 267	29.3 0.0 267	29.3 0.0 267	29.3 0.0 267
13	37.9 44.4 8	43.8 35.5 12	49.7 26.9 19	55.6 19.0 31	60.9 17.3 67	66.2 22.0 97	70.4 26.7 114	74.6 33.0 125	78.8 40.1 132	71.2 18.8 298	70.0 12.5 298	68.8 6.3 298	67.7 0.0 267	66.9 11.0 97	66.2 22.0 97	65.4 32.9 97	64.7 43.9 97	63.9 54.9 97	34.5 0.0 267	34.5 0.0 267	34.5 0.0 267	34.5 0.0 267
14	38.0 45.1 0	43.9 35.9 2	49.8 26.7 5	55.7 17.8 12	61.6 9.5 31	66.9 11.0 97	71.1 16.5 125	75.3 23.9 138	79.6 31.9 144	62.6 25.0 298	61.5 18.8 298	60.3 12.5 298	59.1 6.3 298	57.9 0.0 267	57.1 11.0 97	56.4 22.0 97	55.7 32.9 97	54.9 43.9 97	39.7 0.0 267	39.7 0.0 267	39.7 0.0 267	39.7 0.0 267
15	38.1 46.6 353	44.0 37.3 353	49.9 28.0 353	55.8 18.6 353	61.7 9.3 353	67.7 0.0 267	71.9 8.6 162	76.1 17.2 162	80.3 25.7 162	54.1 31.3 298	52.9 25.0 298	51.7 18.8 298	50.5 12.5 298	49.3 6.3 298	48.1 0.0 267	47.4 11.0 97	46.6 22.0 97	45.9 32.9 97	44.9 0.0 267	44.9 0.0 267	44.9 0.0 267	44.9 0.0 267
16	39.3 50.5 347	45.2 41.2 346	51.1 32.0 343	57.0 22.8 340	62.9 13.9 331	68.8 6.3 298	72.7 6.8 238	77.0 12.2 195	81.2 20.0 182	45.5 37.5 298	44.3 31.3 298	43.1 25.0 298	42.0 18.8 298	40.8 12.5 298	39.6 6.3 298	38.4 0.0 267	37.6 11.0 97	36.9 22.0 97	50.1 0.0 267	50.1 0.0 267	50.1 0.0 267	50.1 0.0 267
17	40.5 54.8 342	46.4 45.7 340	52.3 36.7 337	58.2 27.8 331	64.1 19.5 321	70.0 12.5 298	73.9 11.3 267	77.8 13.6 238	82.0 17.8 210	37.0 43.8 298	35.8 37.5 298	34.6 31.3 298	33.4 25.0 298	32.2 18.8 298	31.0 12.5 298	29.8 6.3 298	28.6 0.0 267	27.9 11.0 97	55.3 0.0 267	55.3 0.0 267	55.3 0.0 267	55.3 0.0 267
18	41.6 59.5 338	47.5 50.5 335	53.5 41.8 331	59.4 33.3 325	65.3 25.3 316	71.2 18.8 298	75.1 17.0 278	79.0 17.6 256	82.9 20.5 238	28.4 50.0 298	27.2 43.8 298	26.0 37.5 298	24.8 31.3 298	23.6 25.0 298	22.5 18.8 298	21.3 12.5 298	20.1 6.3 298	18.9 0.0 267	60.5 0.0 267	60.5 0.0 267	60.5 0.0 267	60.5 0.0 267
19	48.8 76.1 31	54.0 71.8 39	59.3 69.1 48	64.6 68.1 57	69.8 69.0 67	75.1 71.6 75	80.4 75.8 84	85.6 81.3 91	90.9 87.8 97	96.9 0.0 267	91.4 8.6 162	85.8 17.2 162	80.3 25.7 162	74.8 34.3 162	69.3 42.9 162	63.7 51.5 162	58.2 60.1 162	52.7 68.6 162	65.7 0.0 267	65.7 0.0 267	65.7 0.0 267	65.7 0.0 267
20	48.9 74.1 27	54.8 66.6 31	60.0 62.4 40	65.3 60.1 51	70.6 59.8 61	75.9 61.5 72	81.1 65.1 81	86.4 70.4 90	91.7 76.9 97	91.0 9.3 353	87.2 0.0 267	81.6 8.6 162	76.1 17.2 162	70.6 25.7 162	65.0 34.3 162	59.5 42.9 162	54.0 51.5 162	48.5 60.1 162	70.9 0.0 267	70.9 0.0 267	70.9 0.0 267	70.9 0.0 267
21	49.0 72.6 22	54.9 64.6 26	60.8 57.1 31	66.1 53.0 42	71.3 51.2 54	76.6 51.7 67	81.9 54.6 78	87.1 59.5 88	92.4 65.9 97	85.1 18.6 353	81.2 9.3 353	77.4 0.0 267	71.9 8.6 162	66.3 17.2 162	60.8 25.7 162	55.3 34.3 162	49.8 42.9 162	44.2 51.5 162	76.1 0.0 267	76.1 0.0 267	76.1 0.0 267	76.1 0.0 267
22	49.1 71.5 17	55.0 63.2 21	60.9 55.1 25	66.8 47.5 31	72.1 43.7 44	77.3 42.6 59	82.6 44.3 74	87.9 48.6 86	93.2 54.9 97	79.2 27.9 353	75.3 18.6 353	71.5 9.3 353	67.7 0.0 267	62.1 8.6 162	56.6 17.2 162	51.1 25.7 162	45.5 34.3 162	40.0 42.9 162	81.3 0.0 267	81.3 0.0 267	81.3 0.0 267	81.3 0.0 267
23	49.2 71.1 12	55.1 62.4 15	61.0 53.9 19	66.9 45.7 24	72.8 38.0 31	78.1 34.6 48	83.4 34.5 67	88.6 37.9 84	93.9 43.9 97	73.2 37.3 353	69.4 28.0 353	65.6 18.6 353	61.7 9.3 353	57.9 0.0 267	52.4 8.6 162	46.8 17.2 162	41.3 25.7 162	35.8 34.3 162	86.5 0.0 267	86.5 0.0 267	86.5 0.0 267	86.5 0.0 267
24	49.3 71.1 7	55.2 62.2 9	61.1 53.3 12	67.0 44.6 16	72.9 36.3 22	78.8 28.5 31	84.1 25.6 54	89.4 27.3 78	94.7 32.9 97	67.3 46.6 353	63.5 37.3 353	59.7 28.0 353	55.8 18.6 353	52.0 9.3 353	48.1 0.0 267	42.6 8.6 162	37.1 17.2 162	31.6 25.7 162	91.7 0.0 267	91.7 0.0 267	91.7 0.0 267	91.7 0.0 267
25	49.4 71.8 2	55.3 62.6 4	61.2 53.5 5	67.1 44.4 8	73.0 35.5 12	78.9 26.9 19	84.9 19.0 31	90.1 17.2 67	95.4 22.0 97	61.4 55.9 353	57.6 46.6 353	53.7 37.3 353	49.9 28.0 353	46.1 18.6 353	42.2 9.3 353	38.4 0.0 267	32.9 8.6 162	27.3 17.2 162	96.9 0.0 267	96.9 0.0 267	96.9 0.0 267	96.9 0.0 267
26	49.5 72.9 357	55.4 63.6 358	61.3 54.3 359	67.2 45.1 0	73.1 35.9 2	79.0 26.7 5	85.0 17.8 12	90.9 9.5 31	96.1 11.0 97	55.5 65.2 353	51.7 55.9 353	47.8 46.6 353	44.0 37.3 353	40.2 28.0 353	36.3 18.6 353	32.5 9.3 353	28.6 0.0 267	23.1 8.6 162	18.9 0.0 267	48.8 76.1 31	90.9 87.8 97	52.7 68.6 162
27	49.6 74.5 353	55.5 65.2 353	61.4 55.9 353	67.3 46.6 353	73.2 37.3 353	79.2 27.9 353	85.1 18.6 353	91.0 9.3 353	96.9 0.0 267	49.6 74.5 353	45.7 65.2 353	41.9 55.9 353	38.1 46.6 353	34.2 37.3 353	30.4 27.9 353	26.6 18.6 353	22.7 9.3 353	18.9 0.0 267	96.9 0.0 267	59.6 54.5 238	28.4 50.0 298	49.6 74.5 353

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

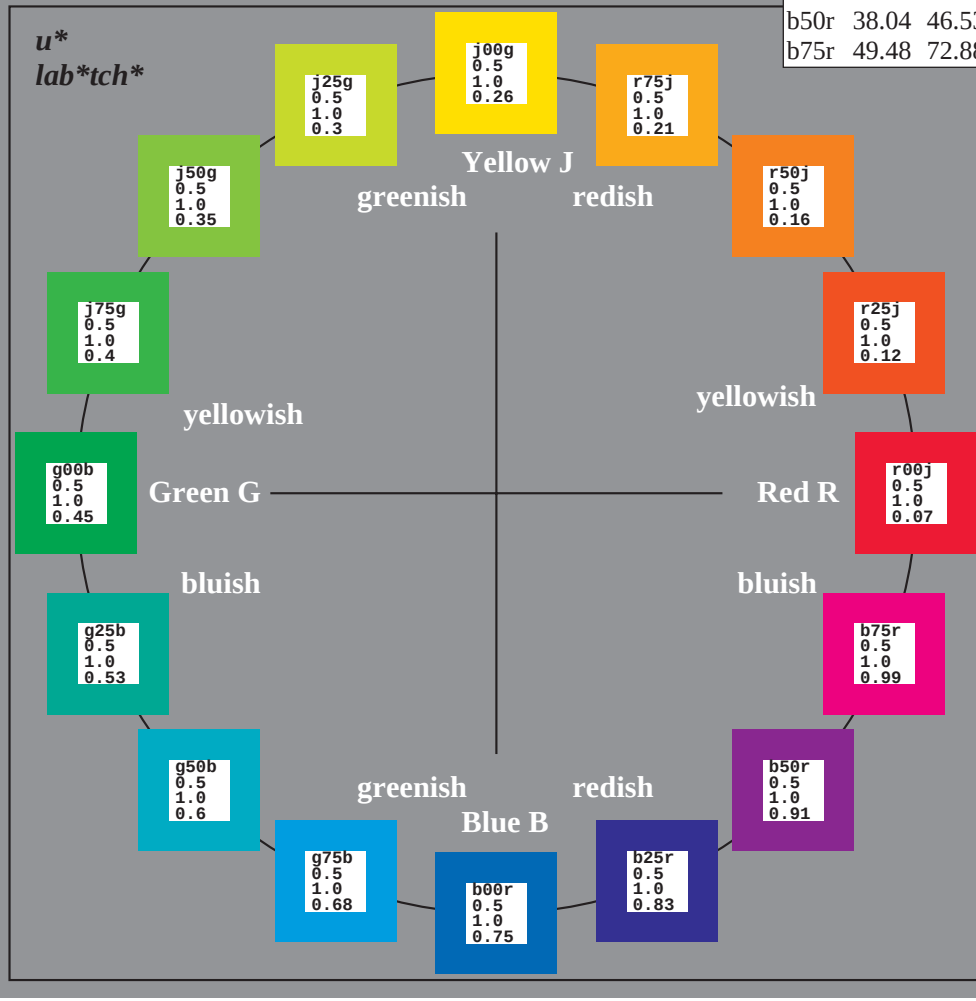
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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

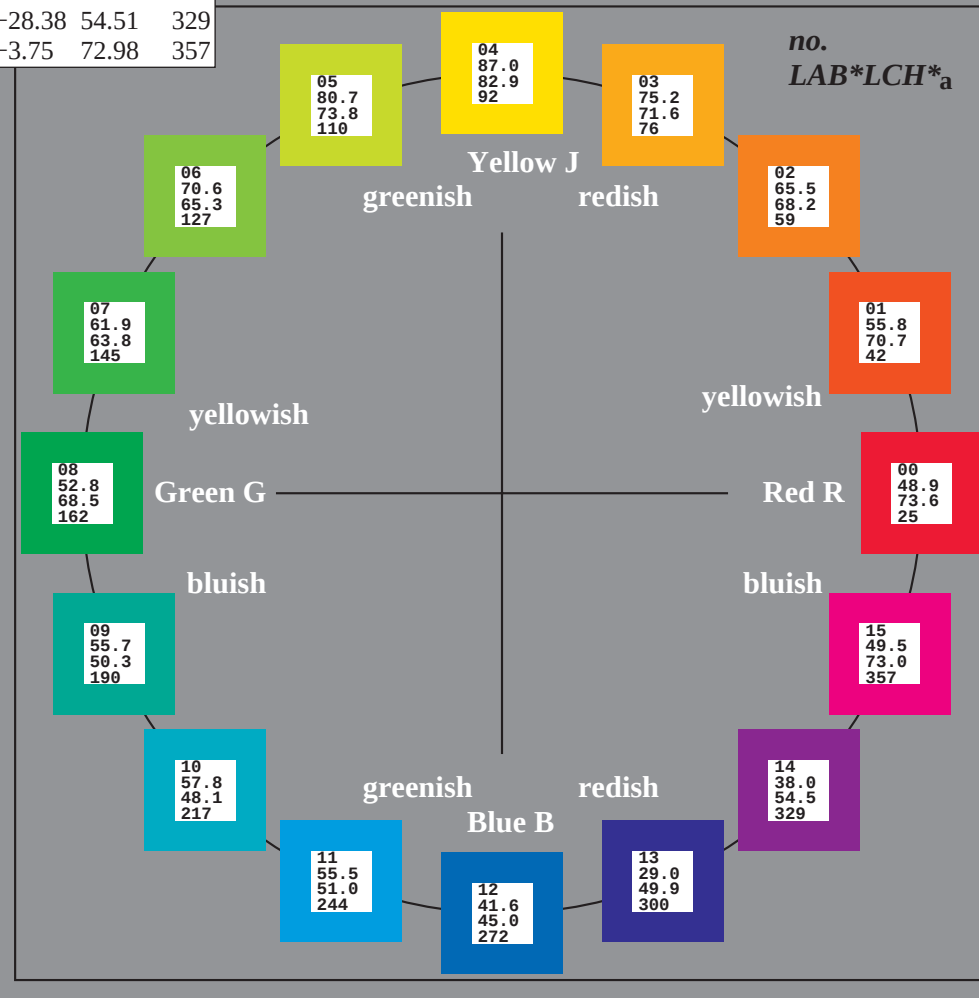


%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

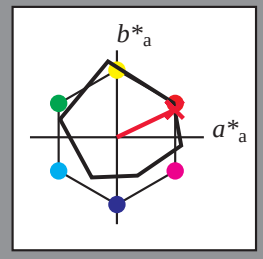
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

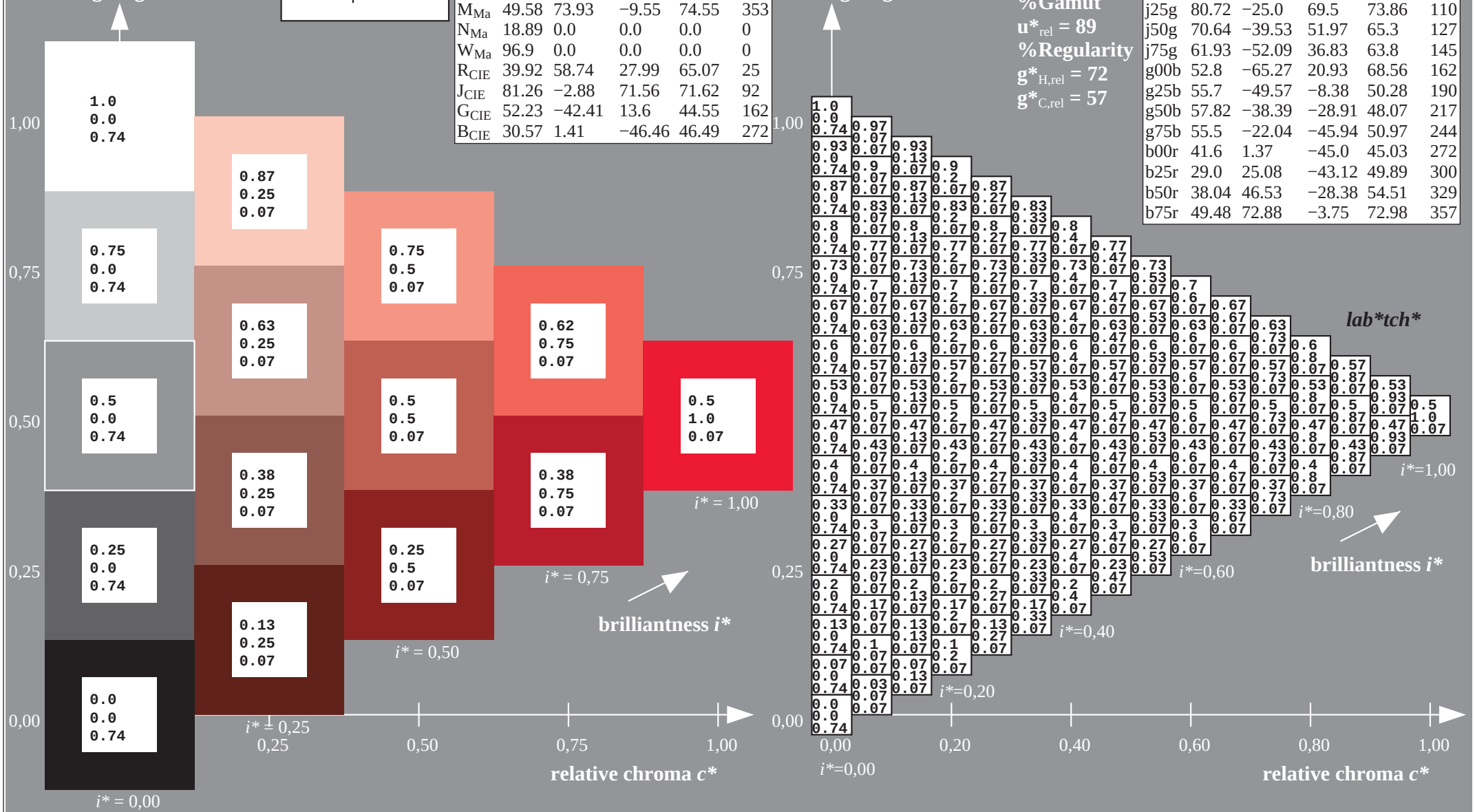
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 49 66 32**
***LAB*LCH*Ma*: 49 74 25**
***lab*rgb*Ma*: 1.0 0.0 0.0**
***lab*olv*Ma*: 1.0 0.0 0.16**
triangle lightness *t**

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

u* = r00j
lab*tch*

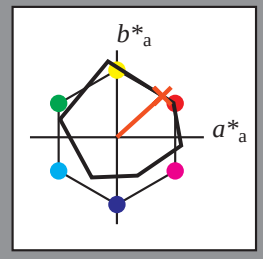
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

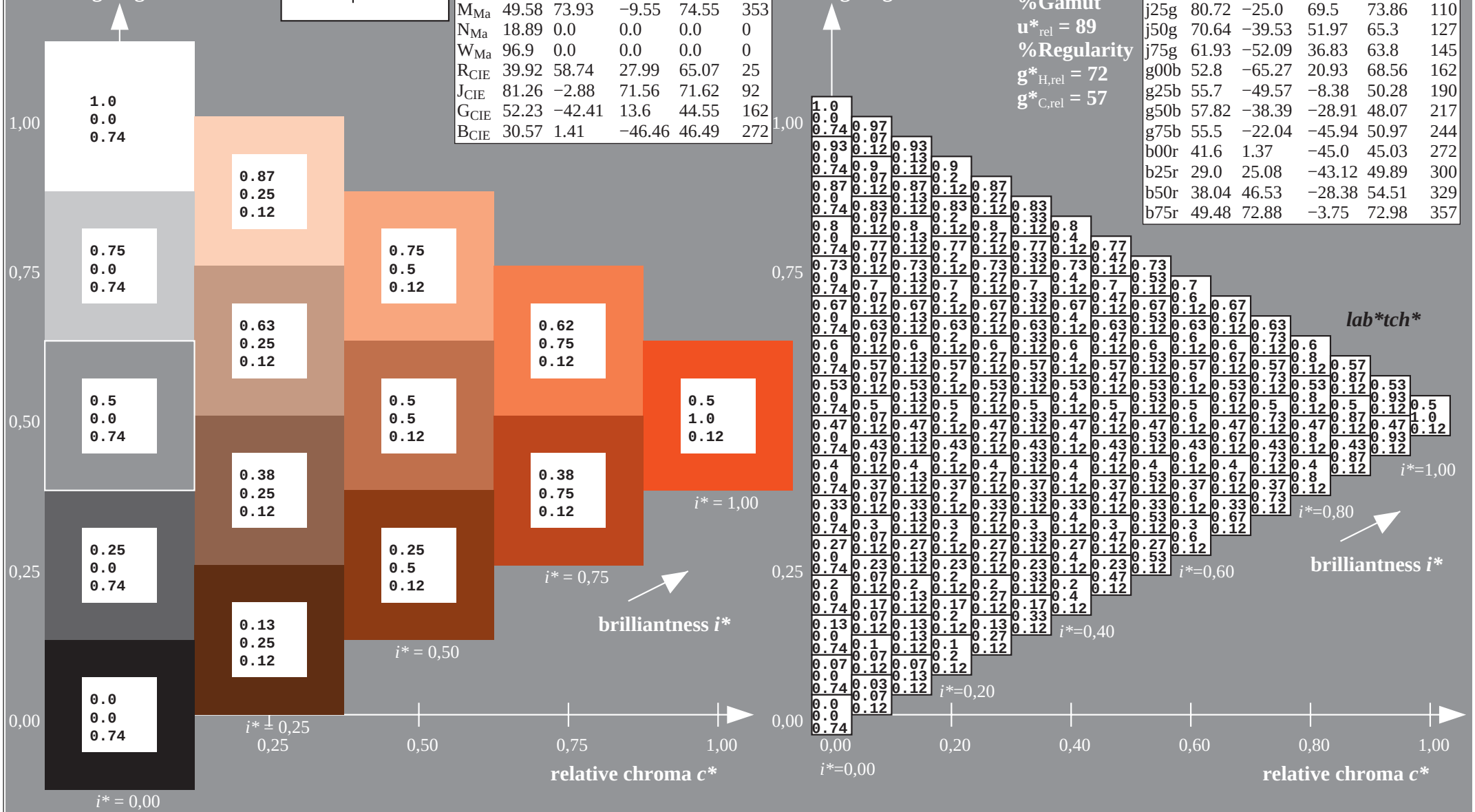
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 56 52 47**
***LAB*LCH*Ma*: 56 71 42**
***lab*rgb*Ma*: 1.0 0.25 0.0**
***lab*olv*Ma*: 1.0 0.17 0.0**
triangle lightness *t**

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

u* = r25j
lab*tch*

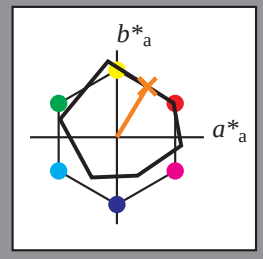
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

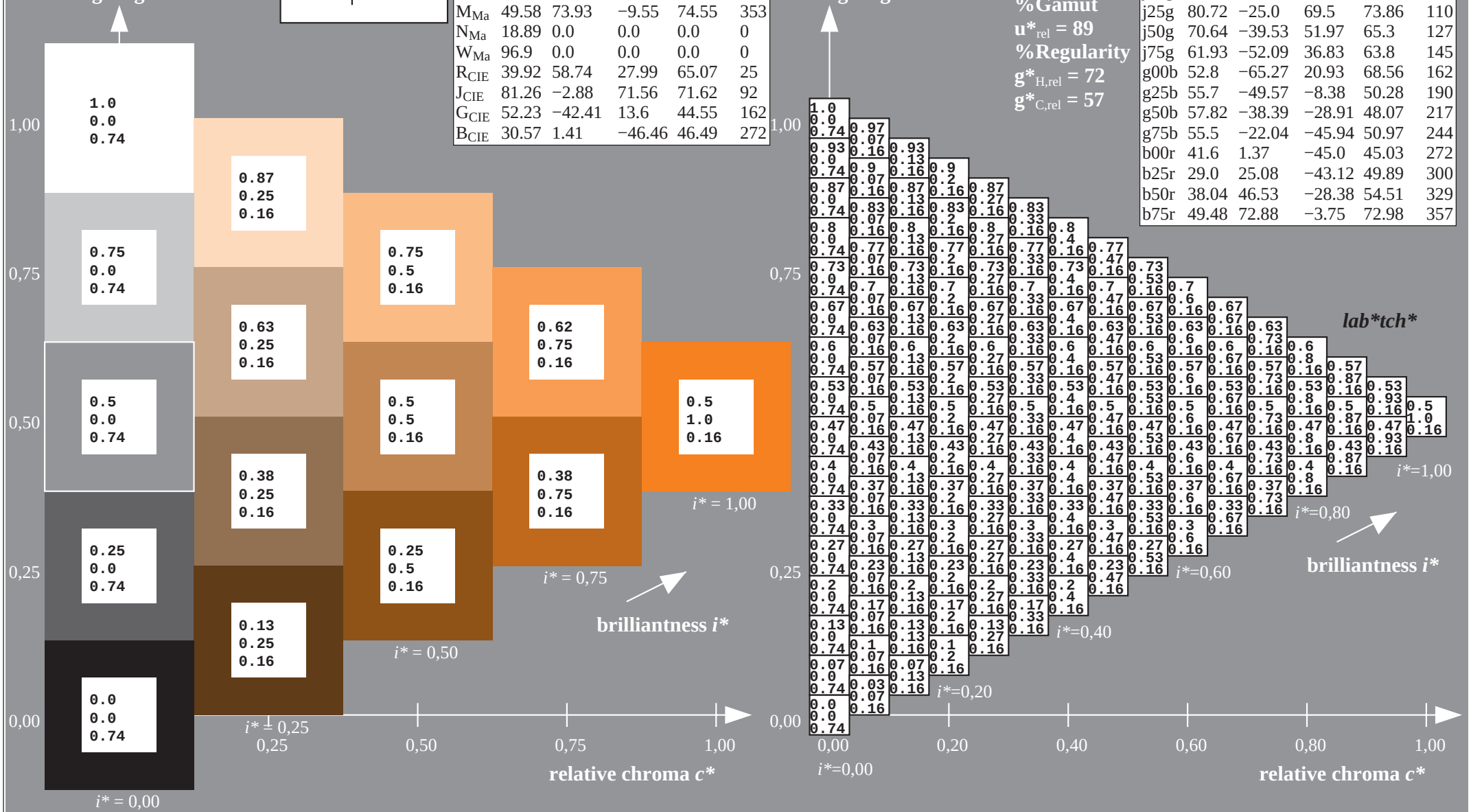
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 65 35 58**
***LAB*LCH*Ma*: 65 68 59**
***lab*rgb*Ma*: 1.0 0.5 0.0**
***lab*olv*Ma*: 1.0 0.4 0.0**
triangle lightness *t**

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

u* = r50j
lab*tch*

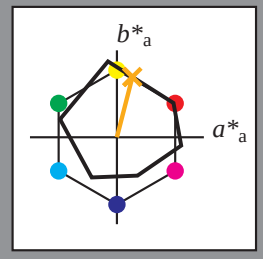
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

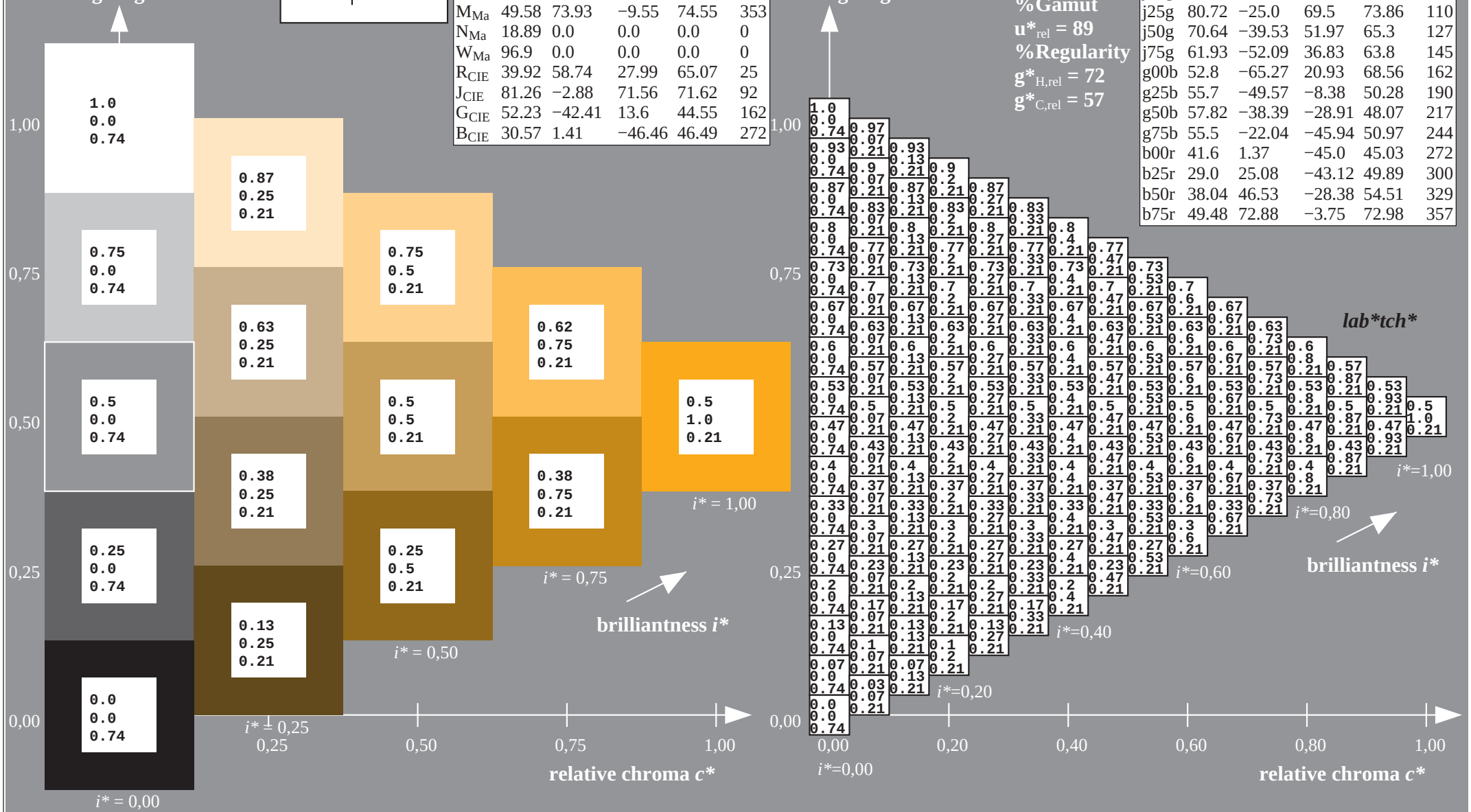
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 75 18 69**
***LAB*LCH*Ma*: 75 72 76**
***lab*rgb*Ma*: 1.0 0.75 0.0**
***lab*olv*Ma*: 1.0 0.63 0.0**
triangle lightness *t**

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

u* = r75j
lab*tch*

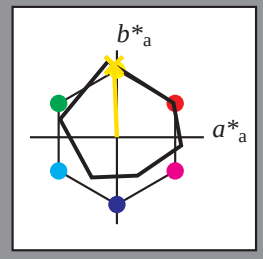
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

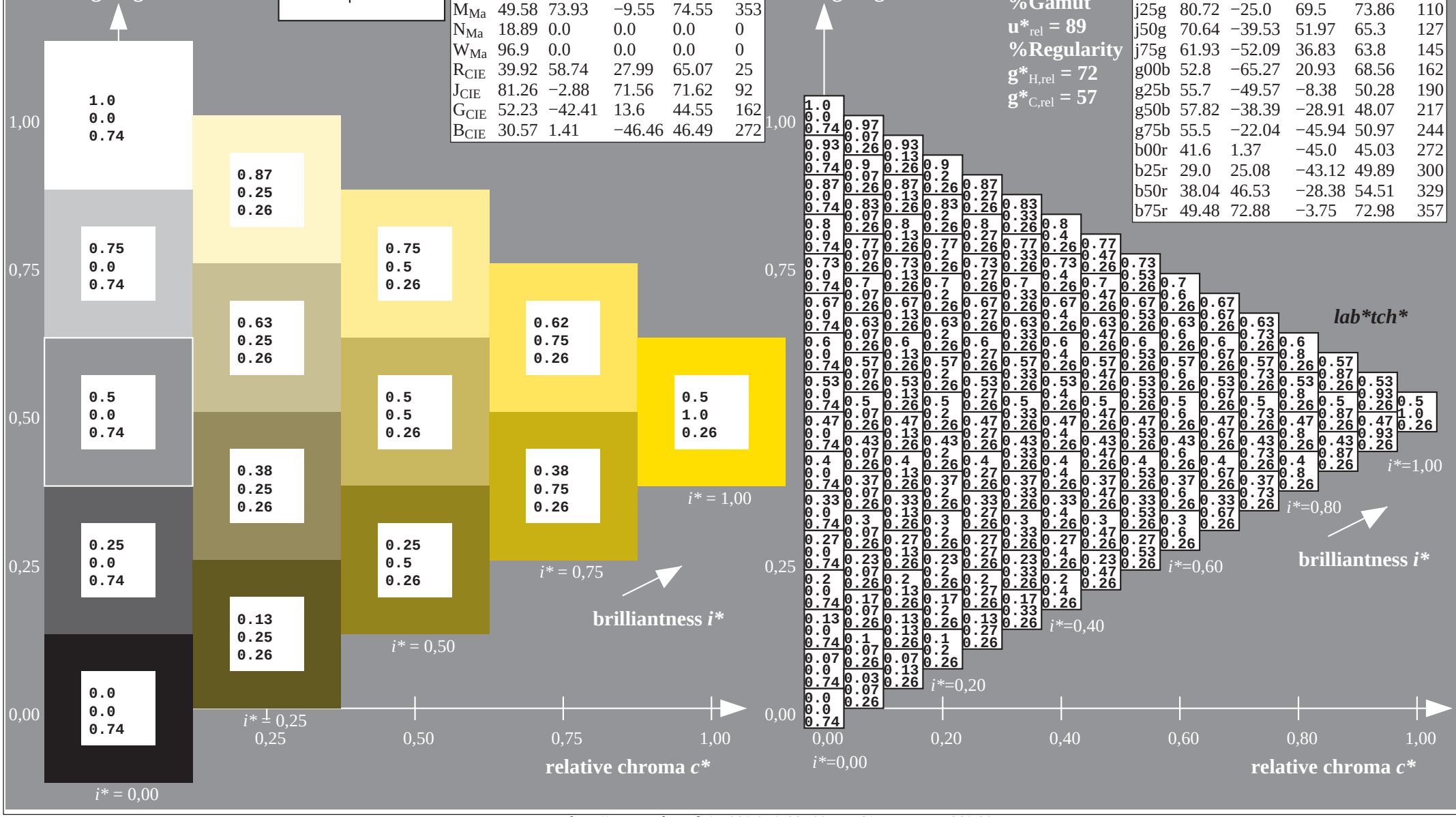
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 87 −2 83**
***LAB*LCH*Ma*: 87 83 92**
***lab*rgb*Ma*: 1.0 1.0 0.0**
***lab*olv*Ma*: 1.0 0.91 0.0**
triangle lightness *t**

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

u* = j00g
lab*tch*

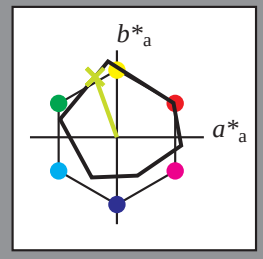
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

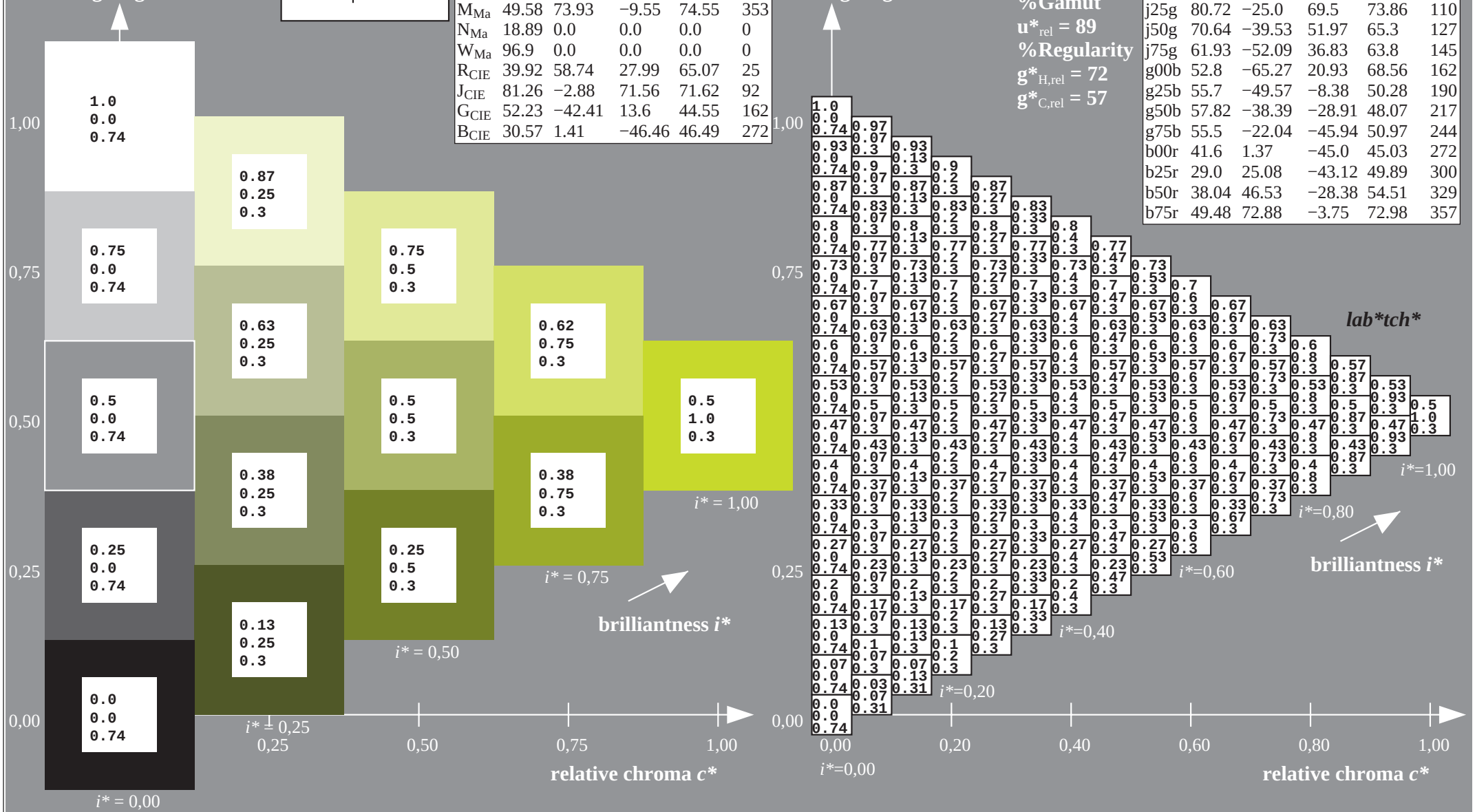
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 81 −24 69**
***LAB*LCH*Ma*: 81 74 110**
***lab*rgb*Ma*: 0.75 1.0 0.0**
***lab*olv*Ma*: 0.73 1.0 0.0**
triangle lightness *t**

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

u* = j25g
lab*tch*

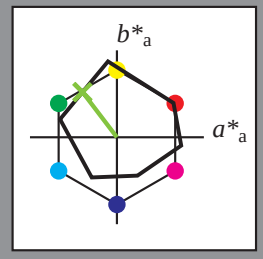
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

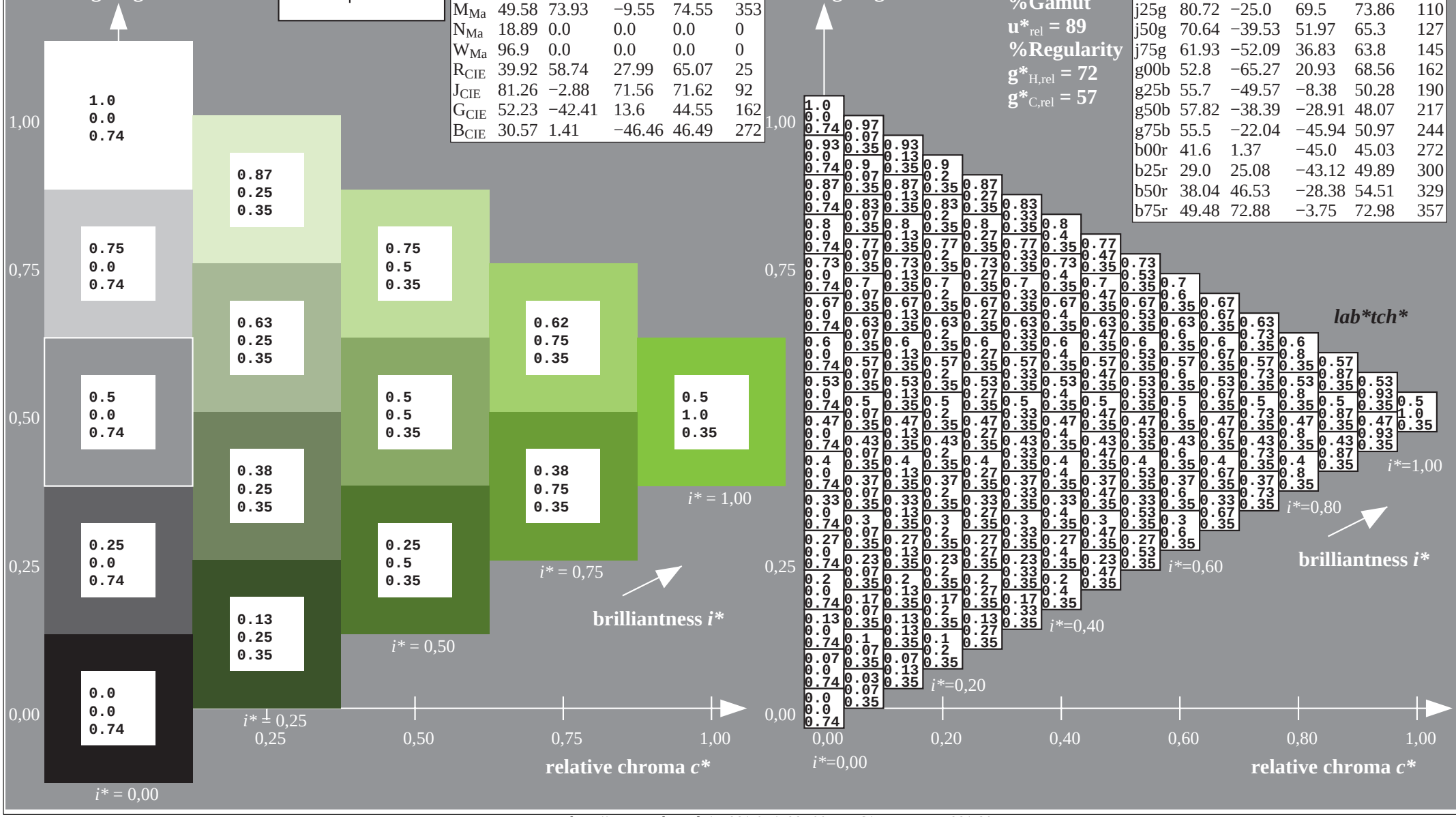
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 71 −39 52**
***LAB*LCH*Ma*: 71 65 127**
***lab*rgb*Ma*: 0.5 1.0 0.0**
***lab*olv*Ma*: 0.47 1.0 0.0**
triangle lightness *t**

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

u* = j50g
lab*tch*

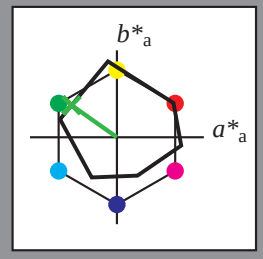
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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 $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$ *u* = j75g*

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

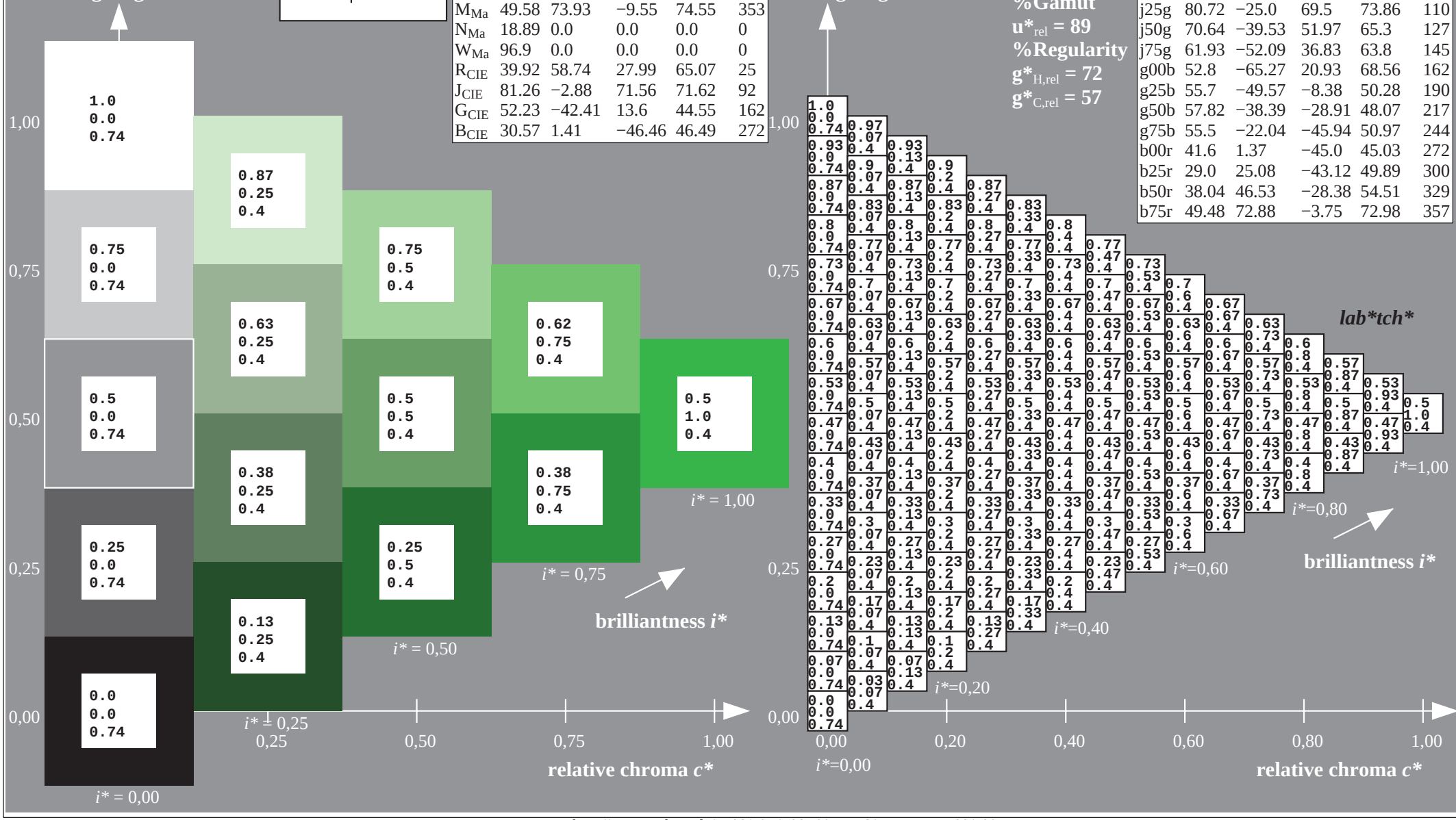
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 62 −51 37**
***LAB*LCH*Ma*: 62 64 145**
***lab*rgb*Ma*: 0.25 1.0 0.0**
***lab*olv*Ma*: 0.24 1.0 0.0**
triangle lightness *t**

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

u = j75g*
*lab*tch**

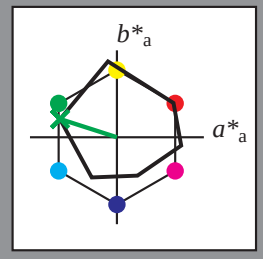
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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 $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$ *u* = g00b*

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

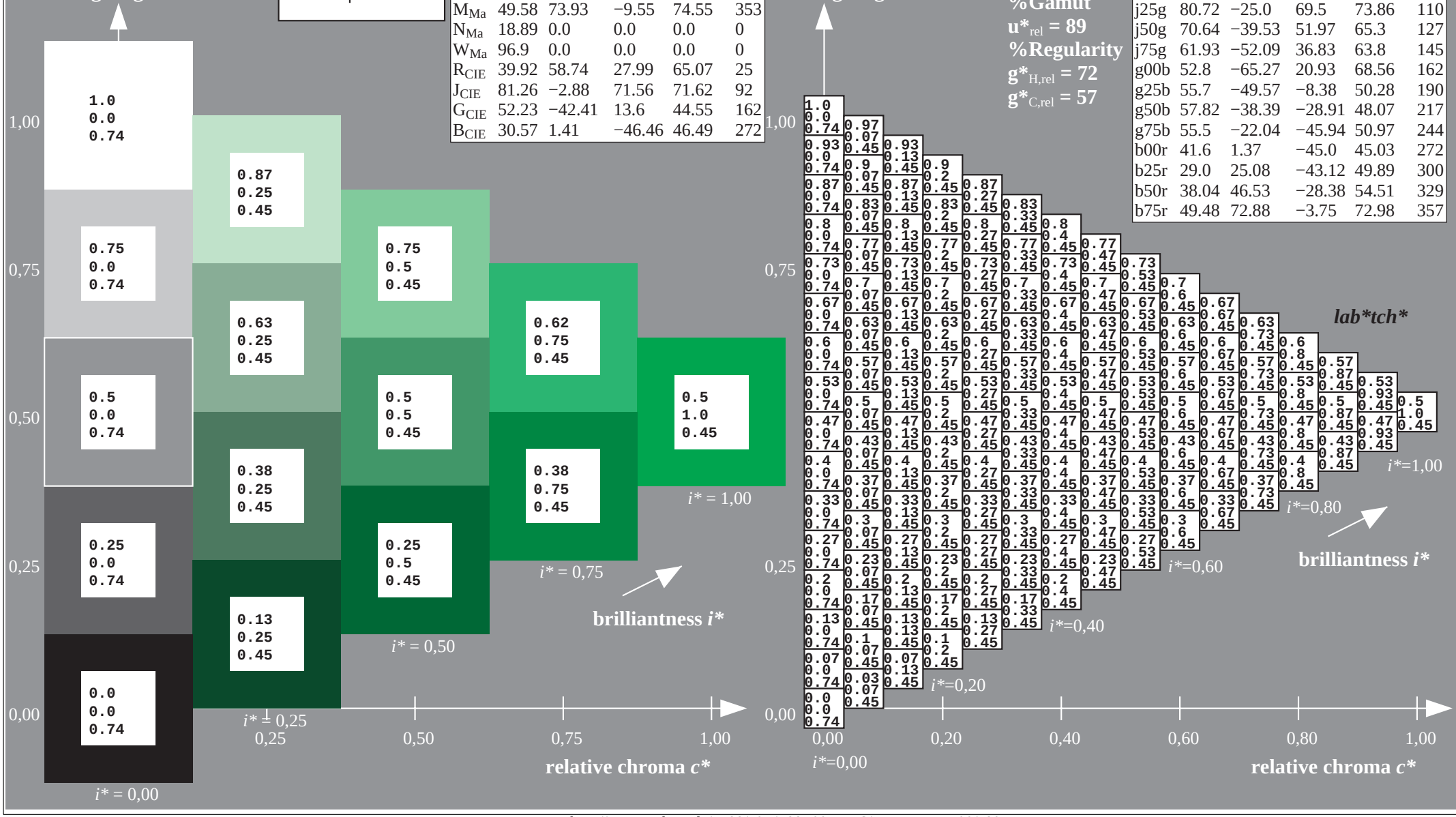
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 53 −64 21**
***LAB*LCH*Ma*: 53 69 162**
***lab*rgb*Ma*: 0.0 1.0 0.0**
***lab*olv*Ma*: 0.0 1.0 0.0**
triangle lightness *t**

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

*lab*tch**

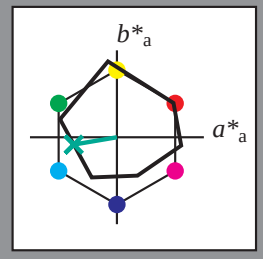
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

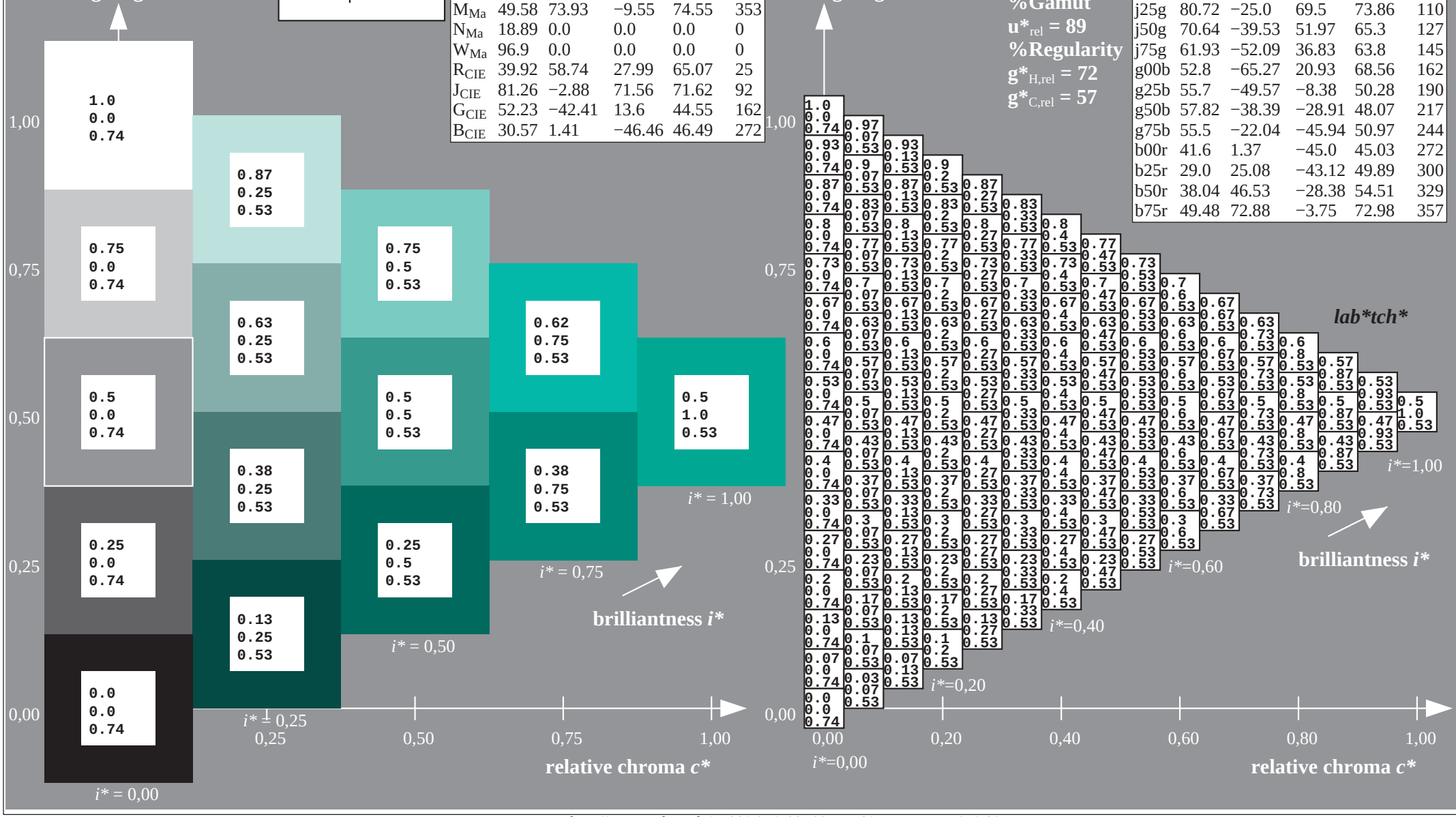
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 56 −49 −7**
***LAB*LCH*Ma*: 56 50 190**
***lab*rgb*Ma*: 0.0 1.0 0.5**
***lab*olv*Ma*: 0.0 1.0 0.44**
triangle lightness *t**

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

u* = g25b
lab*tch*

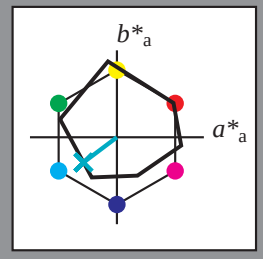
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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 $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$ *u* = g50b*

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

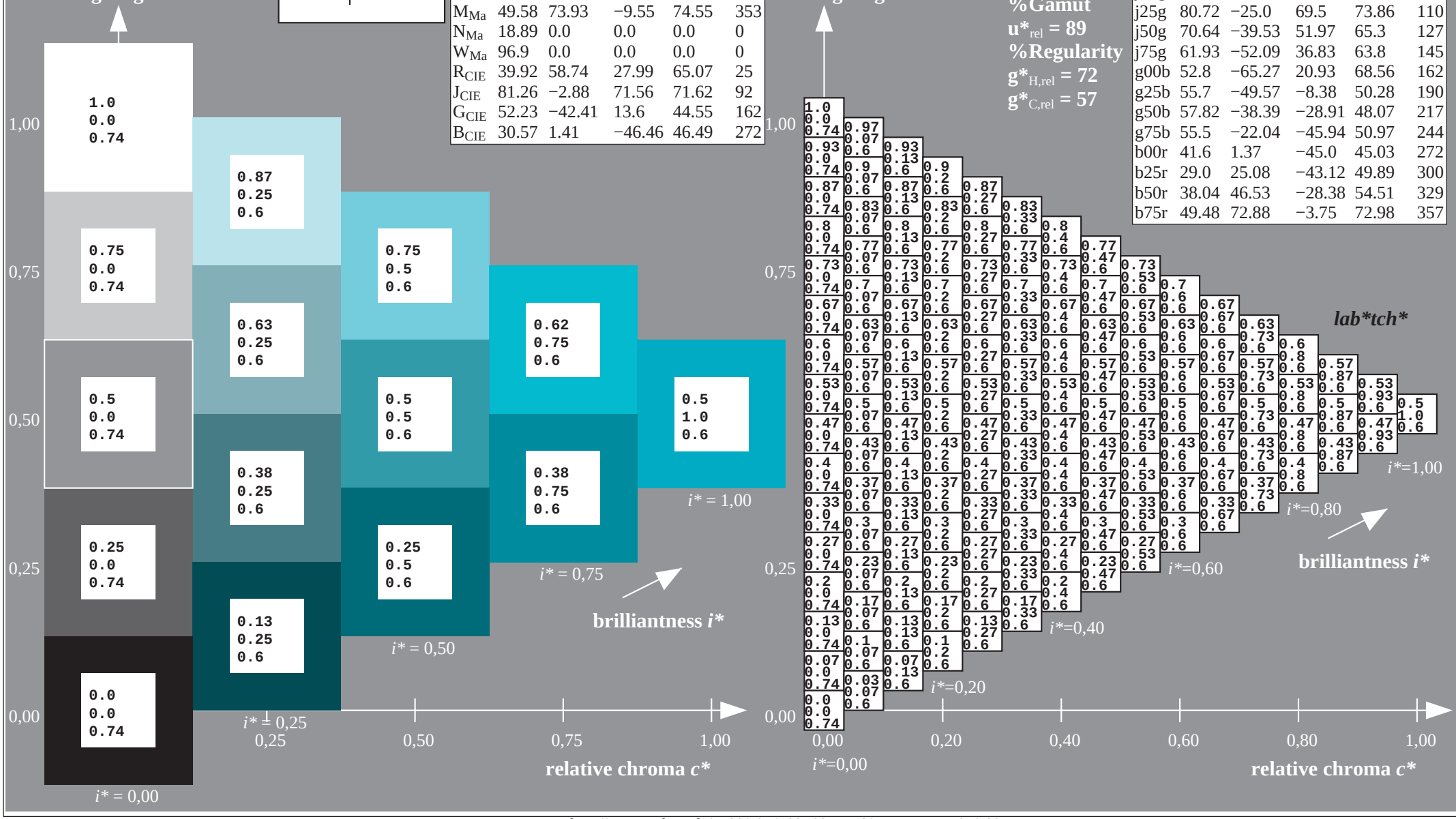
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

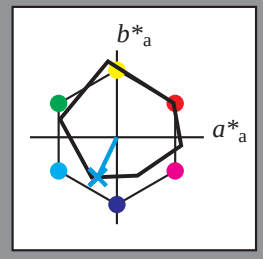
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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

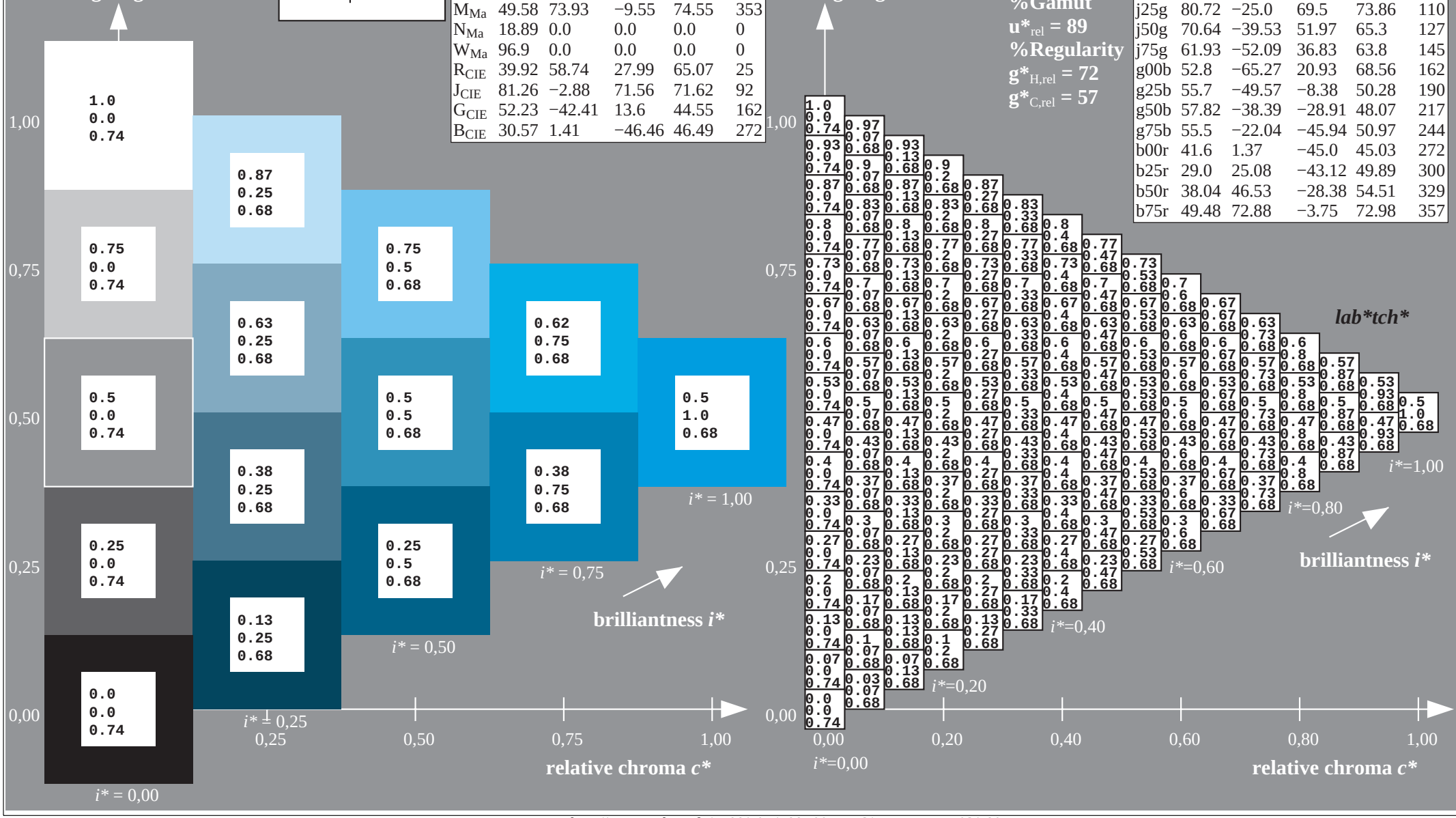
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 55 −21 −45**
***LAB*LCH*Ma*: 55 51 244**
***lab*rgb*Ma*: 0.0 0.5 1.0**
***lab*olv*Ma*: 0.0 0.87 1.0**
triangle lightness *t**

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

u* = g75b
lab*tch*

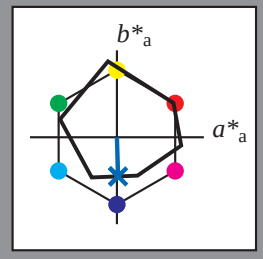
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

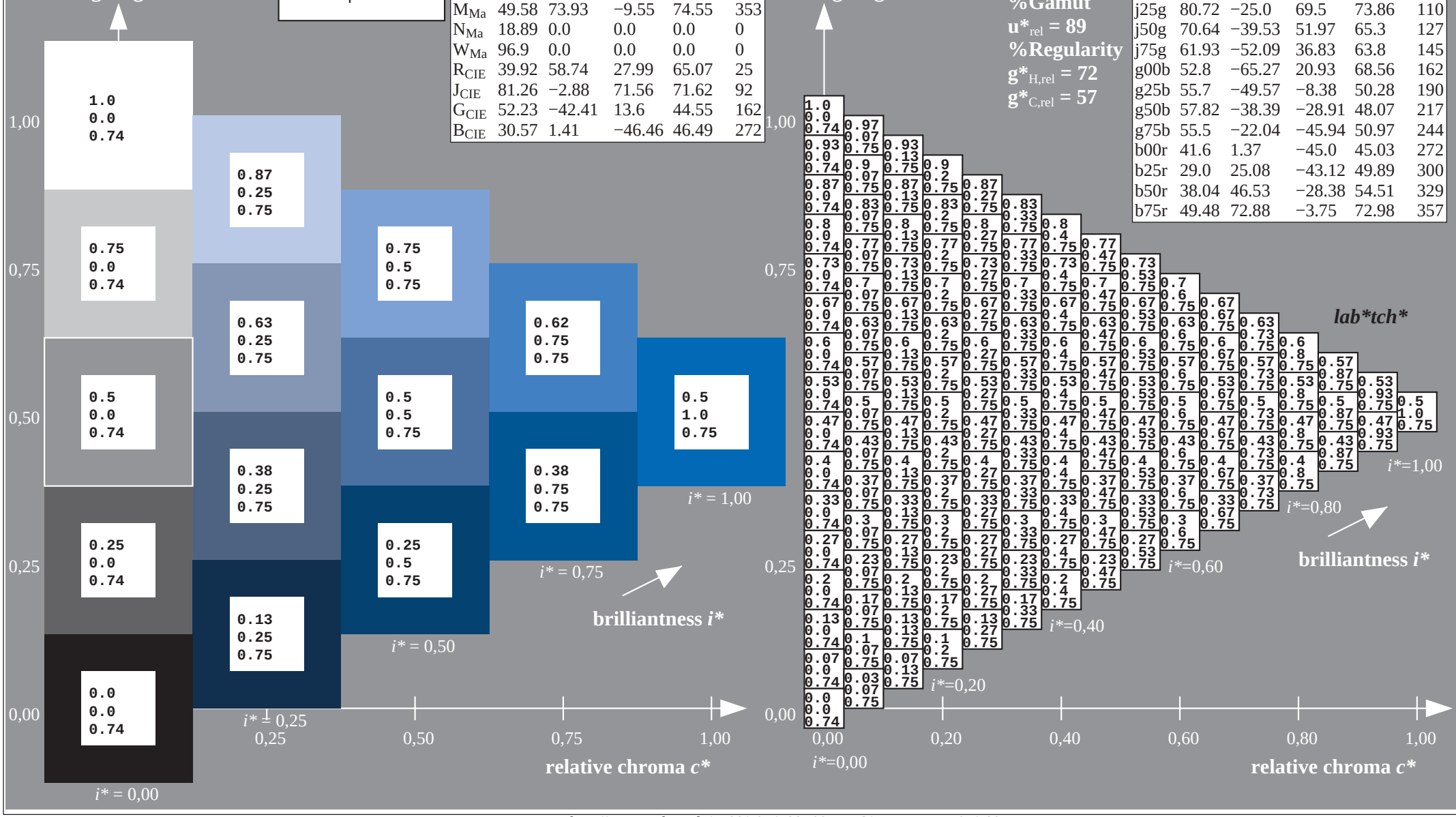
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 42 1 −44**
***LAB*LCH*Ma*: 42 45 272**
***lab*rgb*Ma*: 0.0 0.0 1.0**
***lab*olv*Ma*: 0.0 0.42 1.0**
triangle lightness *t**

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

u* = b00r
lab*tch*

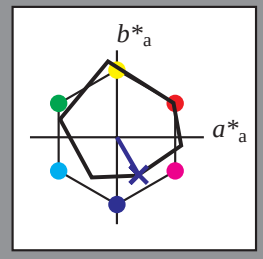
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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 $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$ *u* = b25r*

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

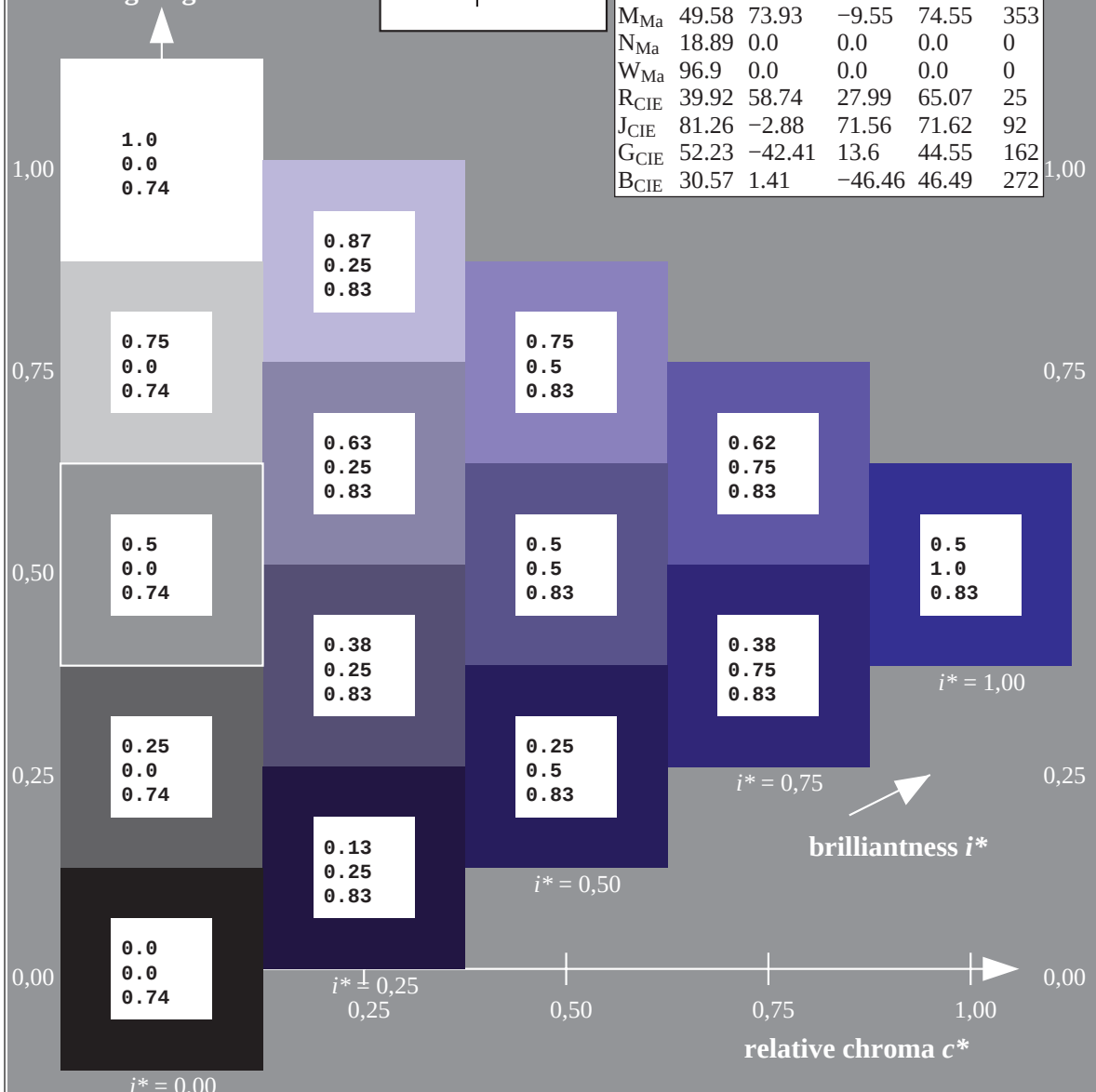
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

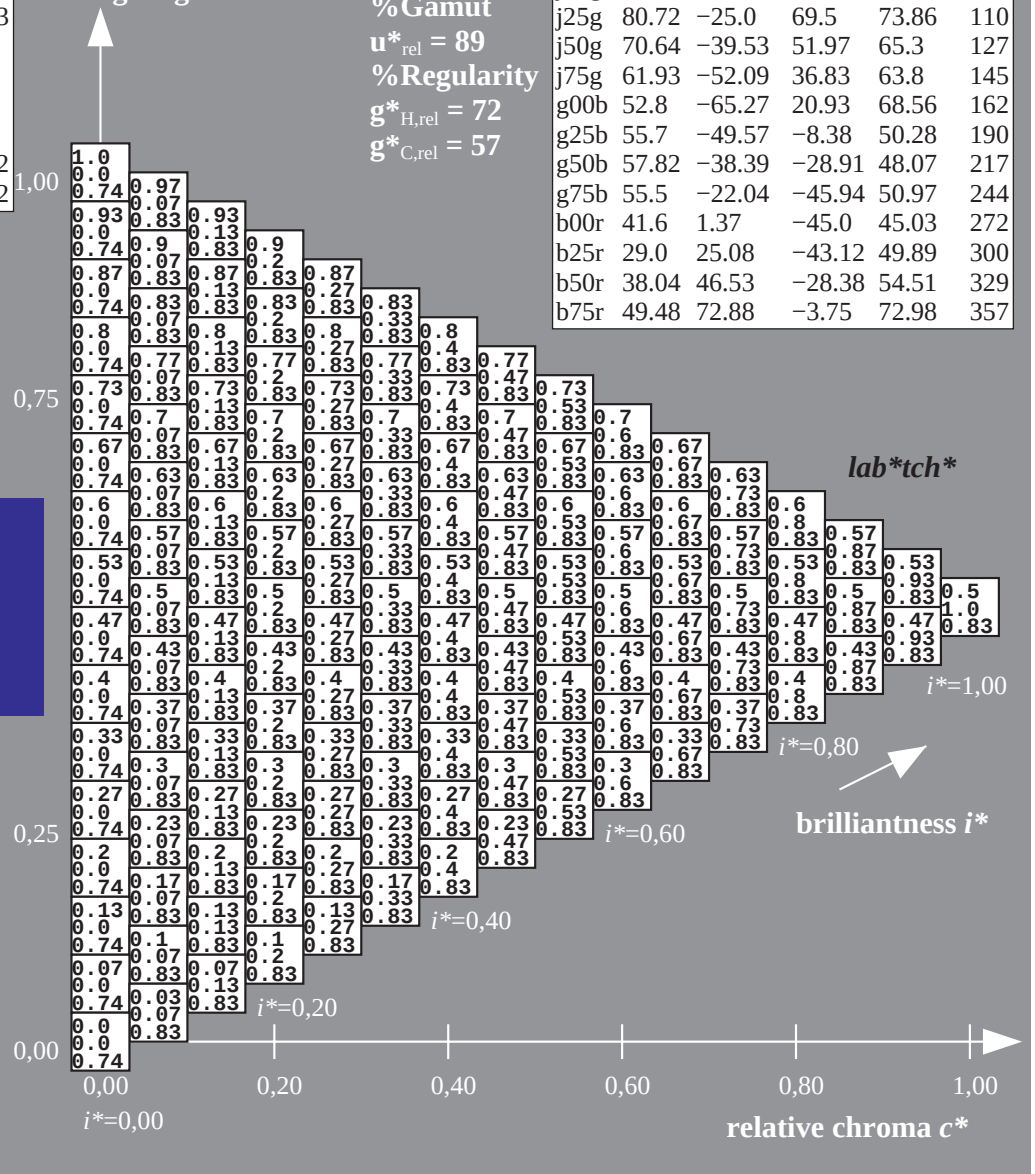
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 29 25 −42**
***LAB*LCH*Ma*: 29 50 300**
***lab*rgb*Ma*: 0.5 0.0 1.0**
***lab*olv*Ma*: 0.03 0.0 1.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

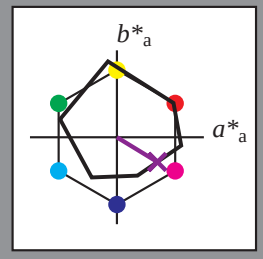
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$ *u* = b50r* *lab*tch**

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

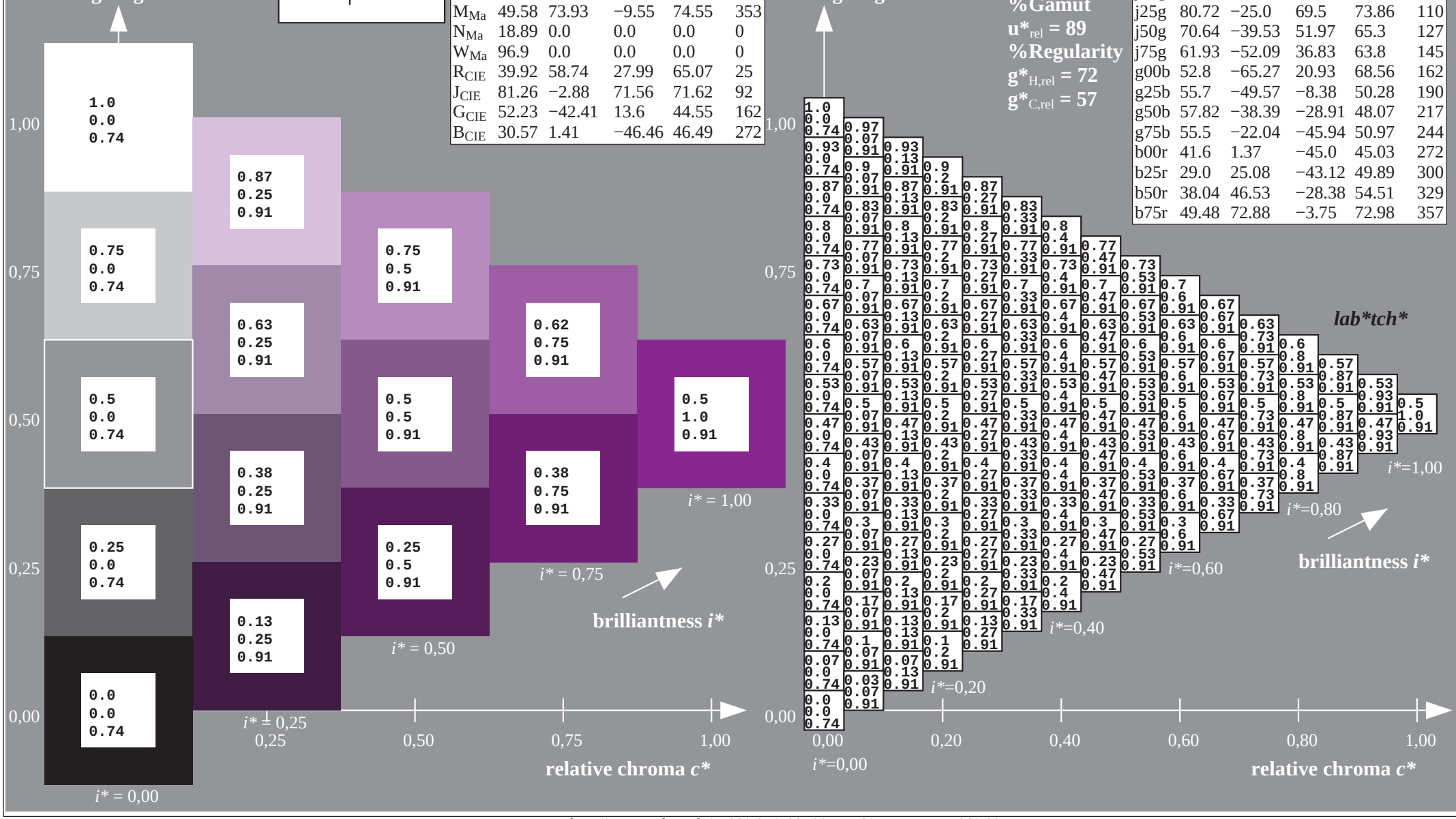
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

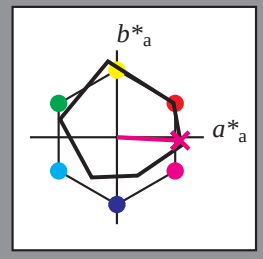
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$ *u* = b75r* *lab*tch**

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

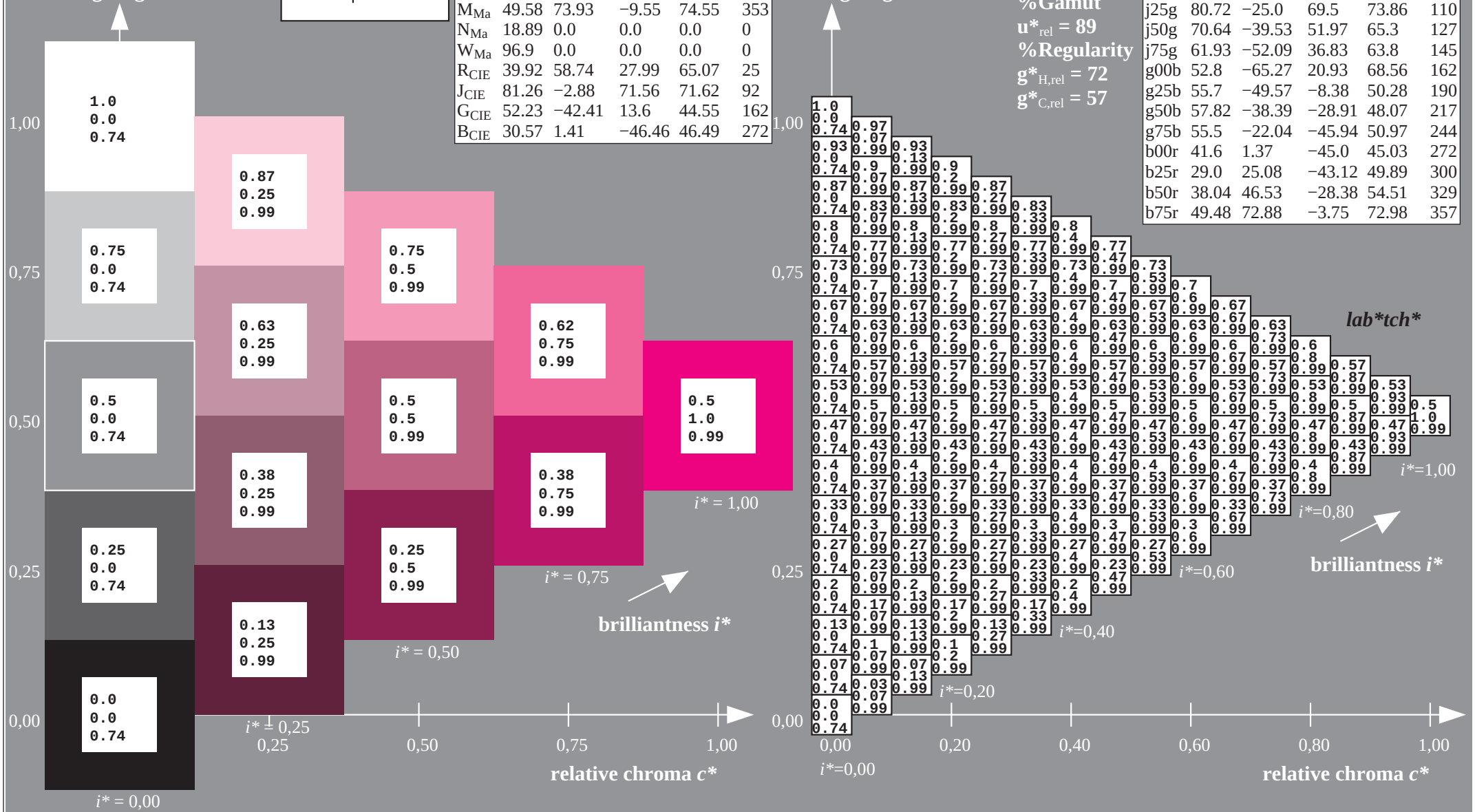
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

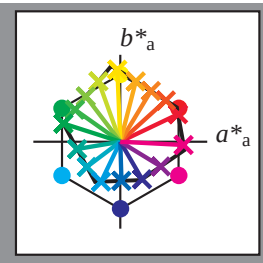


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*tch*		
01	0.0 0.0 0.74	0.06 0.12 0.45	0.13 0.25 0.45	0.19 0.37 0.45	0.25 0.5 0.45	0.31 0.62 0.45	0.38 0.75 0.45	0.44 0.87 0.45	0.5 1.0 0.45	0.06 0.12 0.09	0.06 0.12 0.27	0.13 0.25 0.35	0.19 0.37 0.38	0.25 0.5 0.4	0.31 0.62 0.41	0.38 0.75 0.42	0.44 0.87 0.42	0.5 1.0 0.43	0.13 0.25 0.09	0.13 0.25 0.18	0.13 0.25 0.27	0.19 0.37 0.32	0.25 0.5 0.35	0.31 0.62 0.37	0.38 0.75 0.38	0.44 0.87 0.39	0.5 1.0 0.4	1.0 0.0 0.74	0.94 0.12 0.09	0.87 0.25 0.09	0.81 0.37 0.09	0.75 0.5 0.09	0.69 0.62 0.09	0.62 0.75 0.09	0.56 0.87 0.09	0.5 1.0 0.09	0.0 0.0 0.74	0.0 0.0 0.74	0.0 0.0 0.74	0.0 0.0 0.74
02	0.06 0.12 0.83	0.06 0.12 0.66	0.13 0.25 0.54	0.19 0.37 0.5	0.25 0.5 0.49	0.31 0.62 0.48	0.38 0.75 0.47	0.44 0.87 0.47	0.5 1.0 0.47	0.06 0.12 0.98	0.13 0.0 0.74	0.19 0.13 0.45	0.25 0.25 0.45	0.31 0.38 0.45	0.38 0.5 0.45	0.44 0.63 0.45	0.5 0.75 0.45	0.56 0.87 0.45	0.13 0.25 0.03	0.19 0.13 0.09	0.19 0.13 0.27	0.25 0.25 0.35	0.31 0.38 0.38	0.38 0.5 0.4	0.44 0.63 0.41	0.5 0.75 0.42	0.56 0.87 0.42	0.94 0.12 0.66	0.88 0.0 0.74	0.81 0.13 0.09	0.75 0.25 0.09	0.69 0.38 0.09	0.63 0.5 0.09	0.56 0.63 0.09	0.5 0.75 0.09	0.44 0.87 0.09	0.13 0.0 0.74	0.13 0.0 0.74	0.13 0.0 0.74	0.13 0.0 0.74
03	0.13 0.25 0.83	0.13 0.25 0.74	0.13 0.25 0.66	0.19 0.37 0.58	0.25 0.5 0.54	0.31 0.62 0.52	0.38 0.75 0.5	0.44 0.87 0.5	0.5 1.0 0.49	0.13 0.25 0.92	0.19 0.13 0.83	0.19 0.13 0.66	0.25 0.25 0.54	0.31 0.38 0.5	0.38 0.5 0.49	0.44 0.63 0.48	0.5 0.75 0.47	0.56 0.87 0.47	0.13 0.25 0.98	0.19 0.13 0.98	0.25 0.0 0.74	0.31 0.13 0.45	0.38 0.25 0.45	0.44 0.38 0.45	0.5 0.5 0.45	0.56 0.63 0.45	0.62 0.75 0.45	0.87 0.25 0.66	0.81 0.13 0.66	0.75 0.0 0.74	0.69 0.13 0.09	0.63 0.25 0.09	0.56 0.38 0.09	0.5 0.5 0.09	0.44 0.63 0.09	0.38 0.75 0.09	0.25 0.0 0.74	0.25 0.0 0.74	0.25 0.0 0.74	0.25 0.0 0.74
04	0.19 0.37 0.83	0.19 0.37 0.77	0.19 0.37 0.71	0.19 0.37 0.66	0.25 0.5 0.6	0.31 0.62 0.57	0.38 0.75 0.54	0.44 0.87 0.53	0.5 1.0 0.51	0.19 0.37 0.89	0.25 0.25 0.83	0.25 0.25 0.74	0.25 0.25 0.66	0.31 0.38 0.58	0.38 0.5 0.54	0.44 0.63 0.52	0.5 0.75 0.5	0.56 0.87 0.5	0.19 0.37 0.94	0.25 0.25 0.92	0.31 0.13 0.83	0.31 0.13 0.66	0.38 0.25 0.54	0.44 0.38 0.5	0.5 0.5 0.49	0.56 0.63 0.48	0.62 0.75 0.47	0.81 0.37 0.66	0.75 0.25 0.66	0.69 0.13 0.66	0.63 0.0 0.74	0.56 0.13 0.09	0.5 0.25 0.09	0.44 0.38 0.09	0.38 0.5 0.09	0.31 0.62 0.09	0.38 0.0 0.74	0.38 0.0 0.74	0.38 0.0 0.74	0.38 0.0 0.74
05	0.25 0.5 0.83	0.25 0.5 0.79	0.25 0.5 0.74	0.25 0.5 0.7	0.25 0.5 0.66	0.31 0.62 0.62	0.38 0.75 0.58	0.44 0.87 0.56	0.5 1.0 0.54	0.25 0.5 0.88	0.31 0.38 0.83	0.31 0.38 0.77	0.31 0.38 0.71	0.31 0.38 0.66	0.38 0.5 0.6	0.44 0.63 0.57	0.5 0.75 0.54	0.56 0.87 0.53	0.25 0.5 0.92	0.31 0.38 0.89	0.38 0.25 0.83	0.38 0.25 0.74	0.38 0.25 0.66	0.44 0.38 0.58	0.5 0.5 0.54	0.56 0.63 0.52	0.62 0.75 0.5	0.75 0.5 0.66	0.69 0.38 0.66	0.63 0.25 0.66	0.56 0.13 0.66	0.5 0.0 0.74	0.44 0.13 0.09	0.38 0.25 0.09	0.31 0.38 0.09	0.25 0.5 0.09	0.5 0.0 0.74	0.5 0.0 0.74	0.5 0.0 0.74	0.5 0.0 0.74
06	0.31 0.62 0.83	0.31 0.62 0.8	0.31 0.62 0.76	0.31 0.62 0.72	0.31 0.62 0.69	0.31 0.62 0.66	0.38 0.75 0.63	0.44 0.87 0.6	0.5 1.0 0.57	0.31 0.62 0.87	0.38 0.5 0.83	0.38 0.5 0.79	0.38 0.5 0.74	0.38 0.5 0.7	0.38 0.5 0.66	0.44 0.63 0.62	0.5 0.75 0.58	0.56 0.87 0.56	0.31 0.62 0.9	0.38 0.5 0.88	0.44 0.38 0.83	0.44 0.38 0.77	0.44 0.38 0.71	0.44 0.38 0.66	0.5 0.5 0.6	0.56 0.63 0.57	0.62 0.75 0.54	0.69 0.62 0.66	0.63 0.5 0.66	0.56 0.38 0.66	0.5 0.25 0.66	0.44 0.13 0.66	0.38 0.0 0.74	0.31 0.13 0.09	0.25 0.25 0.09	0.19 0.37 0.09	0.63 0.0 0.74	0.63 0.0 0.74	0.63 0.0 0.74	0.63 0.0 0.74
07	0.38 0.75 0.83	0.38 0.75 0.8	0.38 0.75 0.77	0.38 0.75 0.74	0.38 0.75 0.71	0.38 0.75 0.68	0.38 0.75 0.66	0.44 0.87 0.63	0.5 1.0 0.6	0.38 0.75 0.86	0.44 0.63 0.83	0.44 0.63 0.8	0.44 0.63 0.76	0.44 0.63 0.72	0.44 0.63 0.69	0.44 0.63 0.66	0.5 0.75 0.63	0.56 0.87 0.6	0.38 0.75 0.89	0.44 0.63 0.87	0.5 0.5 0.83	0.5 0.5 0.79	0.5 0.5 0.74	0.5 0.5 0.7	0.5 0.5 0.66	0.56 0.63 0.62	0.62 0.75 0.58	0.62 0.75 0.66	0.56 0.63 0.66	0.5 0.5 0.66	0.44 0.38 0.66	0.38 0.25 0.66	0.31 0.13 0.66	0.25 0.0 0.74	0.19 0.13 0.09	0.13 0.25 0.09	0.75 0.0 0.74	0.75 0.0 0.74	0.75 0.0 0.74	0.75 0.0 0.74
08	0.44 0.87 0.83	0.44 0.87 0.81	0.44 0.87 0.78	0.44 0.87 0.75	0.44 0.87 0.73	0.44 0.87 0.7	0.44 0.87 0.68	0.44 0.87 0.66	0.5 1.0 0.63	0.44 0.87 0.86	0.5 0.75 0.83	0.5 0.75 0.8	0.5 0.75 0.77	0.5 0.75 0.74	0.5 0.75 0.71	0.5 0.75 0.68	0.5 0.75 0.66	0.56 0.87 0.63	0.44 0.87 0.88	0.5 0.75 0.86	0.56 0.63 0.83	0.56 0.63 0.8	0.56 0.63 0.76	0.56 0.63 0.72	0.56 0.63 0.69	0.56 0.63 0.66	0.62 0.75 0.63	0.56 0.87 0.66	0.5 0.75 0.66	0.44 0.63 0.66	0.38 0.5 0.66	0.31 0.38 0.66	0.25 0.25 0.66	0.19 0.13 0.66	0.13 0.0 0.74	0.06 0.12 0.09	0.88 0.0 0.74	0.88 0.0 0.74	0.88 0.0 0.74	0.88 0.0 0.74
09	0.5 1.0 0.83	0.5 1.0 0.81	0.5 1.0 0.79	0.5 1.0 0.76	0.5 1.0 0.74	0.5 1.0 0.72	0.5 1.0 0.7	0.5 1.0 0.68	0.5 1.0 0.66	0.5 1.0 0.85	0.56 0.87 0.83	0.56 0.87 0.81	0.56 0.87 0.78	0.56 0.87 0.75	0.56 0.87 0.73	0.56 0.87 0.7	0.56 0.87 0.68	0.56 0.87 0.66	0.5 1.0 0.88	0.56 0.87 0.86	0.62 0.75 0.83	0.62 0.75 0.8	0.62 0.75 0.77	0.62 0.75 0.74	0.62 0.75 0.71	0.62 0.75 0.68	0.62 0.75 0.66	0.5 1.0 0.66	0.44 0.87 0.66	0.38 0.75 0.66	0.31 0.62 0.66	0.25 0.5 0.66	0.19 0.37 0.66	0.13 0.25 0.66	0.06 0.12 0.66	0.0 0.0 0.74	1.0 0.0 0.74	1.0 0.0 0.74	1.0 0.0 0.74	1.0 0.0 0.74
10	0.19 0.37 0.09	0.19 0.37 0.15	0.19 0.37 0.22	0.19 0.37 0.27	0.25 0.5 0.3	0.31 0.62 0.33	0.38 0.75 0.35	0.44 0.87 0.36	0.5 1.0 0.37	0.25 0.5 0.09	0.25 0.5 0.13	0.25 0.5 0.19	0.25 0.5 0.23	0.25 0.5 0.27	0.31 0.62 0.29	0.38 0.75 0.32	0.44 0.87 0.33	0.5 1.0 0.35	0.31 0.62 0.09	0.31 0.62 0.12	0.31 0.62 0.16	0.31 0.62 0.2	0.31 0.62 0.24	0.31 0.62 0.27	0.38 0.75 0.29	0.44 0.87 0.31	0.5 1.0 0.32	1.0 0.0 0.74	0.94 0.12 0.27	0.87 0.25 0.27	0.81 0.37 0.27	0.75 0.5 0.27	0.69 0.62 0.27	0.62 0.75 0.27	0.56 0.87 0.27	0.5 1.0 0.27	0.0 0.0 0.74	0.0 0.0 0.74	0.0 0.0 0.74	0.0 0.0 0.74
11	0.19 0.37 0.05	0.25 0.25 0.09	0.25 0.25 0.19	0.25 0.25 0.27	0.31 0.38 0.32	0.38 0.5 0.35	0.44 0.63 0.37	0.5 0.75 0.38	0.56 0.87 0.39	0.25 0.5 0.06	0.31 0.38 0.09	0.31 0.38 0.15	0.31 0.38 0.22	0.31 0.38 0.27	0.38 0.5 0.3	0.44 0.63 0.33	0.5 0.75 0.35	0.56 0.87 0.36	0.31 0.62 0.07	0.38 0.5 0.09	0.38 0.5 0.13	0.38 0.5 0.19	0.38 0.5 0.23	0.38 0.5 0.27	0.44 0.63 0.29	0.5 0.75 0.32	0.56 0.87 0.33	0.94 0.12 0.83	0.88 0.0 0.74	0.81 0.13 0.27	0.75 0.25 0.27	0.69 0.38 0.27	0.63 0.5 0.27	0.56 0.63 0.27	0.5 0.75 0.27	0.44 0.87 0.27	0.07 0.0 0.74	0.07 0.0 0.74	0.07 0.0 0.74	0.07 0.0 0.74
12	0.19 0.37 0.02	0.25 0.25 0.03	0.31 0.13 0.09	0.31 0.13 0.27	0.38 0.25 0.35	0.44 0.38 0.38	0.5 0.5 0.4	0.56 0.63 0.41	0.62 0.75 0.42	0.25 0.5 0.03	0.31 0.38 0.05	0.38 0.25 0.09	0.38 0.25 0.19	0.38 0.25 0.27	0.44 0.38 0.32	0.5 0.5 0.35	0.56 0.63 0.37	0.62 0.75 0.38	0.31 0.62 0.04	0.38 0.5 0.06	0.44 0.38 0.09	0.44 0.38 0.15	0.44 0.38 0.22	0.44 0.38 0.27	0.5 0.5 0.3	0.56 0.63 0.33	0.62 0.75 0.35	0.87 0.25 0.83	0.81 0.13 0.83	0.75 0.0 0.74	0.69 0.13 0.27	0.63 0.25 0.27	0.56 0.38 0.27	0.5 0.5 0.27	0.44 0.63 0.27	0.38 0.75 0.27	0.13 0.0 0.74	0.13 0.0 0.74	0.13 0.0 0.74	0.13 0.0 0.74
13	0.19 0.37 0.98	0.25 0.25 0.98	0.31 0.13 0.98	0.38 0.0 0.74	0.44 0.13 0.45	0.5 0.25 0.45	0.56 0.38 0.45	0.63 0.5 0.45	0.69 0.62 0.45	0.25 0.5 0.01	0.31 0.38 0.02	0.38 0.25 0.03	0.44 0.13 0.09	0.44 0.13 0.27	0.5 0.25 0.35	0.56 0.38 0.38	0.63 0.5 0.4	0.69 0.62 0.41	0.31 0.62 0.02	0.38 0.5 0.03	0.44 0.38 0.05	0.5 0.25 0.09	0.5 0.25 0.19	0.5 0.25 0.27	0.56 0.38 0.32	0.63 0.5 0.35	0.69 0.62 0.37	0.81 0.37 0.83	0.75 0.25 0.83	0.69 0.13 0.83	0.63 0.0 0.74	0.56 0.13 0.27	0.5 0.25 0.27	0.44 0.38 0.27	0.38 0.5 0.27	0.31 0.62 0.27	0.2 0.0 0.74	0.2 0.0 0.74	0.2 0.0 0.74	0.2 0.0 0.74
14	0.25 0.5 0.95	0.31 0.38 0.94	0.38 0.25 0.92	0.44 0.13 0.83	0.44 0.13 0.66	0.5 0.25 0.54	0.56 0.38 0.5	0.63 0.5 0.49	0.69 0.62 0.48	0.25 0.5 0.98	0.31 0.38 0.98	0.38 0.25 0.98	0.44 0.13 0.98	0.5 0.0 0.74	0.56 0.13 0.45	0.63 0.25 0.45	0.69 0.38 0.45	0.75 0.5 0.45	0.31 0.62 0.0	0.38 0.5 0.01	0.44 0.38 0.02	0.5 0.25 0.03	0.56 0.13 0.09	0.56 0.13 0.27	0.63 0.25 0.35	0.69 0.38 0.38	0.75 0.5 0.4	0.75 0.5 0.83	0.69 0.38 0.83	0.63 0.25 0.83	0.56 0.13 0.83	0.5 0.0 0.74	0.44 0.13 0.27	0.38 0.25 0.27	0.31 0.38 0.27	0.25 0.5 0.27	0.27 0.0 0.74	0.27 0.0 0.74	0.27 0.0 0.74	0.27 0.0 0.74
15	0.31 0.62 0.93	0.38 0.5 0.92	0.44 0.38 0.89	0.5 0.25 0.83	0.5 0.25 0.74	0.5 0.25 0.66	0.56 0.38 0.58	0.63 0.5 0.54	0.69 0.62 0.52	0.31 0.62 0.96	0.38 0.5 0.95	0.44 0.38 0.94	0.5 0.25 0.92	0.56 0.13 0.83	0.56 0.13 0.66	0.63 0.25 0.54	0.69 0.38 0.5	0.75 0.5 0.49	0.31 0.62 0.98	0.38 0.5 0.98	0.44 0.38 0.98	0.5 0.25 0.98	0.56 0.13 0.98	0.63 0.0 0.74	0.69 0.13 0.45	0.75 0.25 0.45	0.81 0.37 0.45	0.69 0.62 0.83	0.63 0.5 0.83	0.56 0.38 0.83	0.5 0.25 0.83	0.44 0.13 0.83	0.38 0.0 0.74	0.31 0.13 0.27	0.25 0.25 0.27	0.19 0.37 0.27	0.33 0.0 0.74	0.33 0.0 0.74	0.33 0.0 0.74	0.33 0.0 0.74
16	0.38 0.75 0.92	0.44 0.63 0.9	0.5 0.5 0.88	0.56 0.38 0.83	0.56 0.38 0.77	0.56 0.38 0.71	0.56 0.38 0.66	0.63 0.5 0.6	0.69 0.62 0.57	0.38 0.75 0.94	0.44 0.63 0.93	0.5 0.5 0.92	0.56 0.38 0.89	0.63 0.25 0.83	0.63 0.25 0.74	0.63 0.25 0.66	0.69 0.38 0.58	0.75 0.5 0.54	0.38 0.75 0.96	0.44 0.63 0.96	0.5 0.5 0.95	0.56 0.38 0.94	0.63 0.25 0.92	0.69 0.13 0.83	0.69 0.13 0.66	0.75 0.25 0.54	0.81 0.37 0.5	0.62 0.75 0.83	0.56 0.63 0.83	0.5 0.5 0.83	0.44 0.38 0.83	0.38 0.25 0.83	0.31 0.13 0.83	0.25 0.0 0.74	0.19 0.13 0.27	0.13 0.25 0.27	0.4 0.0 0.74	0.4 0.0 0.74	0.4 0.0 0.74	0.4 0.0 0.74
17	0.44 0.87 0.91	0.5 0.75 0.89	0.56 0.63 0.87	0.63 0.5 0.83	0.63 0.5 0.79	0.63 0.5 0.74	0.63 0.5 0.7	0.63 0.5 0.66	0.69 0.62 0.62	0.44 0.87 0.93	0.5 0.75 0.92	0.56 0.63 0.9	0.63 0.5 0.88	0.69 0.38 0.83	0.69 0.38 0.77	0.69 0.38 0.71	0.69 0.38 0.66	0.75 0.5 0.6	0.44 0.87 0.95	0.5 0.75 0.94	0.56 0.63 0.93	0.63 0.5 0.92	0.69 0.38 0.89	0.75 0.25 0.83	0.75 0.25 0.74	0.75 0.25 0.66	0.81 0.37 0.58	0.56 0.87 0.83	0.5 0.75 0.83	0.44 0.63 0.83	0.38 0.5 0.83	0.31 0.38 0.83	0.25 0.25 0.83	0.19 0.13 0.83	0.13 0.0 0.74	0.06 0.12 0.27	0.47 0.0 0.74	0.47 0.0 0.74	0.47 0.0 0.74	0.47 0.0 0.74
18	0.5 1.0 0.9	0.56 0.87 0.88	0.62 0.75 0.86	0.69 0.62 0.83	0.69 0.62 0.8	0.69 0.62 0.76	0.69 0.62 0.72	0.69 0.62 0.69	0.69 0.62 0.66	0.5 1.0 0.92	0.56 0.87 0.91	0.62 0.75 0.89	0.69 0.62 0.87	0.75 0.5 0.83	0.75 0.5 0.79	0.75 0.5 0.74	0.75 0.5 0.7	0.75 0.5 0.66	0.5 1.0 0.94	0.56 0.87 0.93	0.62 0.75 0.92	0.69 0.62 0.9	0.75 0.5 0.88	0.81 0.37 0.83	0.81 0.37 0.77	0.81 0.37 0.71	0.81 0.37 0.66	0.5 1.0 0.83	0.44 0.87 0.83	0.38 0.75 0.83	0.31 0.62 0.83	0.25 0.5 0.83	0.19 0.37 0.83	0.13 0.25 0.83	0.06 0.12 0.83	0.0 0.0 0.74	0.53 0.0 0.74	0.53 0.0 0.74	0.53 0.0 0.74	0.53 0.0 0.74
19	0.38 0.75 0.09	0.38 0.75 0.12	0.38 0.75 0.15	0.38 0.75 0.19	0.38 0.75 0.22	0.38 0.75 0.25	0.38 0.75 0.27	0.44 0.87 0.29	0.5 1.0 0.3	0.44 0.87 0.09	0.44 0.87 0.11	0.44 0.87 0.14	0.44 0.87 0.17	0.44 0.87 0.2	0.44 0.87 0.23	0.44 0.87 0.25	0.44 0.87 0.27	0.5 1.0 0.28	0.5 1.0 0.09	0.5 1.0 0.11	0.5 1.0 0.13	0.5 1.0 0.16	0.5 1.0 0.19	0.5 1.0 0.21	0.5 1.0 0.23	0.5 1.0 0.25	0.5 1.0 0.27	1.0 0.0 0.74	0.94 0.12 0.45	0.87 0.25 0.45	0.81 0.37 0.45	0.75 0.5 0.45	0.69 0.62 0.45	0.62 0.75 0.45	0.56 0.87 0.45	0.5 1.0 0.45	0.6 0.0 0.74	0.6 0.0 0.74	0.6 0.0 0.74	0.6 0.0 0.74
20	0.38 0.75 0.07	0.44 0.63 0.09	0.44 0.63 0.12	0.44 0.63 0.16	0.44 0.63 0.2	0.44 0.63 0.24	0.44 0.63 0.27	0.5 0.75 0.29	0.56 0.87 0.31	0.44 0.87 0.07	0.5 0.75 0.09	0.5 0.75 0.12	0.5 0.75 0.15	0.5 0.75 0.19	0.5 0.75 0.22	0.5 0.75 0.25	0.5 0.75 0.27	0.56 0.87 0.29	0.5 1.0 0.07	0.56 0.87 0.09	0.56 0.87 0.11	0.56 0.87 0.14	0.56 0.87 0.17	0.56 0.87 0.2	0.56 0.87 0.23	0.56 0.87 0.25	0.56 0.87 0.27	0.94 0.12 0.98	0.88 0.0 0.74	0.81 0.13 0.45	0.75 0.25 0.45	0.69 0.38 0.45	0.63 0.5 0.45	0.56 0.63 0.45	0.5 0.75 0.45	0.44 0.87 0.45	0.67 0.0 0.74	0.67 0.0 0.74	0.67 0.0 0.74	0.67 0.0 0.74
21	0.38 0.75 0.05	0.44 0.63 0.07	0.5 0.5 0.09	0.5 0.5 0.13	0.5 0.5 0.19	0.5 0.5 0.23	0.5 0.5 0.27	0.56 0.63 0.29	0.62 0.75 0.32	0.44 0.87 0.06	0.5 0.75 0.07	0.56 0.63 0.09	0.56 0.63 0.12	0.56 0.63 0.16	0.56 0.63 0.2	0.56 0.63 0.24	0.56 0.63 0.27	0.62 0.75 0.29	0.5 1.0 0.06	0.56 0.87 0.07	0.62 0.75 0.09	0.62 0.75 0.12	0.62 0.75 0.15	0.62 0.75 0.19	0.62 0.75 0.22	0.62 0.75 0.25	0.62 0.75 0.27	0.87 0.25 0.98	0.81 0.13 0.98	0.75 0.0 0.74	0.69 0.13 0.45	0.63 0.25 0.45	0.56 0.38 0.45	0.5 0.5 0.45	0.44 0.63 0.45	0.38 0.75 0.45	0.73 0.0 0.74	0.73 0.0 0.74	0.73 0.0 0.74	0.73 0.0 0.74
22	0.38 0.75 0.03	0.44 0.63 0.04	0.5 0.5 0.06	0.56 0.38 0.09	0.56 0.38 0.15	0.56 0.38 0.22	0.56 0.38 0.27	0.63 0.5 0.3	0.69 0.62 0.33	0.44 0.87 0.04	0.5 0.75 0.05	0.56 0.63 0.07	0.63 0.5 0.09	0.63 0.5 0.13	0.63 0.5 0.19	0.63 0.5 0.23	0.63 0.5 0.27	0.69 0.62 0.29	0.5 1.0 0.05	0.56 0.87 0.06	0.62 0.75 0.07	0.69 0.62 0.09	0.69 0.62 0.12	0.69 0.62 0.16	0.69 0.62 0.2	0.69 0.62 0.24	0.69 0.62 0.27	0.81 0.37 0.98	0.75 0.25 0.98	0.69 0.13 0.98	0.63 0.0 0.74	0.56 0.13 0.45	0.5 0.25 0.45	0.44 0.38 0.45	0.38 0.5 0.45	0.31 0.62 0.45	0.8 0.0 0.74	0.8 0.0 0.74	0.8 0.0 0.74	0.8 0.0 0.74
23	0.38 0.75 0.02	0.44 0.63 0.02	0.5 0.5 0.03	0.56 0.38 0.05	0.63 0.25 0.09	0.63 0.25 0.19	0.63 0.25 0.27	0.69 0.38 0.32	0.75 0.5 0.35	0.44 0.87 0.03	0.5 0.75 0.03	0.56 0.63 0.04	0.63 0.5 0.06	0.69 0.38 0.09	0.69 0.38 0.15	0.69 0.38 0.22	0.69 0.38 0.27	0.75 0.5 0.3	0.5 1.0 0.03	0.56 0.87 0.04	0.62 0.75 0.05	0.69 0.62 0.07	0.75 0.5 0.09	0.75 0.5 0.13	0.75 0.5 0.19	0.75 0.5 0.23	0.75 0.5 0.27	0.75 0.5 0.98	0.69 0.38 0.98	0.63 0.25 0.98	0.56 0.13 0.98	0.5 0.0 0.74	0.44 0.13 0.45	0.38 0.25 0.45	0.31 0.38 0.45	0.25 0.5 0.45	0.87 0.0 0.74	0.87 0.0 0.74	0.87 0.0 0.74	0.87 0.0 0.74
24	0.38 0.75 1.0	0.44 0.63 0.0	0.5 0.5 0.01	0.56 0.38 0.02	0.63 0.25 0.03	0.69 0.13 0.09	0.69 0.13 0.27	0.75 0.25 0.35	0.81 0.37 0.38	0.44 0.87 0.01	0.5 0.75 0.02	0.56 0.63 0.02	0.63 0.5 0.03	0.69 0.38 0.05	0.75 0.25 0.09	0.75 0.25 0.19	0.75 0.25 0.27	0.81 0.37 0.32	0.5 1.0 0.02	0.56 0.87 0.03	0.62 0.75 0.03	0.69 0.62 0.04	0.75 0.5 0.06	0.81 0.37 0.09	0.81 0.37 0.15	0.81 0.37 0.22	0.81 0.37 0.27	0.69 0.62 0.98	0.63 0.5 0.98	0.56 0.38 0.98	0.5 0.25 0.98	0.44 0.13 0.98	0.38 0.0 0.74	0.31 0.13 0.45	0.25 0.25 0.45	0.19 0.37 0.45	0.93 0.0 0.74	0.93 0.0 0.74	0.93 0.0 0.74	0.93 0.0 0.74
25	0.38 0.75 0.98	0.44 0.63 0.98	0.5 0.5 0.98	0.56 0.38 0.98	0.63 0.25 0.98	0.69 0.13 0.98	0.75 0.0 0.74	0.81 0.13 0.45	0.87 0.25 0.45	0.44 0.87 0.99	0.5 0.75 1.0	0.56 0.63 0.0	0.63 0.5 0.01	0.69 0.38 0.02	0.75 0.25 0.03	0.81 0.13 0.09	0.81 0.13 0.27	0.87 0.25 0.35	0.5 1.0 0.01	0.56 0.87 0.01	0.62 0.75 0.02	0.69 0.62 0.02	0.75 0.5 0.03	0.81 0.37 0.05	0.87 0.25 0.09	0.87 0.25 0.19	0.87 0.25 0.27	0.62 0.75 0.98	0.56 0.63 0.98	0.5 0.5 0.98	0.44 0.38 0.98	0.38 0.25 0.98	0.31 0.13 0.98	0.25 0.0 0.74	0.19 0.13 0.45	0.13 0.25 0.45	1.0 0.0 0.74	1.0 0.0 0.74	1.0 0.0 0.74	1.0 0.0 0.74
26	0.44 0.87 0.97	0.5 0.75 0.96	0.56 0.63 0.96	0.63 0.5 0.95	0.69 0.38 0.94	0.75 0.25 0.92	0.81 0.13 0.83	0.81 0.13 0.66	0.87 0.25 0.54	0.44 0.87 0.98	0.5 0.75 0.98	0.56 0.63 0.98	0.63 0.5 0.98	0.69 0.38 0.98	0.75 0.25 0.98	0.81 0.13 0.98	0.88 0.0 0.74	0.94 0.12 0.45	0.5 1.0 0.99	0.56 0.87 0.99	0.62 0.75 1.0	0.69 0.62 0.0	0.75 0.5 0.01	0.81 0.37 0.02	0.87 0.25 0.03	0.94 0.12 0.09	0.94 0.12 0.27	0.56 0.87 0.98	0.5 0.75 0.98	0.44 0.63 0.98	0.38 0.5 0.98	0.31 0.38 0.98	0.25 0.25 0.98	0.19 0.13 0.98	0.13 0.0 0.74	0.06 0.12 0.45	0.0 0.0 0.74	0.5 1.0 0.09	0.5 1.0 0.27	0.5 1.0 0.45
27	0.5 1.0 0.95	0.56 0.87 0.95	0.62 0.75 0.94	0.69 0.62 0.93	0.75 0.5 0.92	0.81 0.37 0.89	0.87 0.25 0.83	0.87 0.25 0.74	0.87 0.25 0.66	0.5 1.0 0.97	0.56 0.87 0.97	0.62 0.75 0.96	0.69 0.62 0.96	0.75 0.5 0.95	0.81 0.37 0.94	0.87 0.25 0.92	0.94 0.12 0.83	0.94 0.12 0.66	0.5 1.0 0.98	0.56 0.87 0.98	0.62 0.75 0.98	0.69 0.62 0.98	0.75 0.5 0.98	0.81 0.37 0.98	0.87 0.25 0.98	0.94 0.12 0.98	1.0 0.0 0.74	0.5 1.0 0.98	0.44 0.87 0.98	0.38 0.75 0.98	0.31 0.62 0.98	0.25 0.5 0.98	0.19 0.37 0.98	0.13 0.25 0.98	0.06 0.12 0.98	0.0 0.0 0.74	1.0 0.0 0.74	0.5 1.0 0.66	0.5 1.0 0.83	0.5 1.0 0.98

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

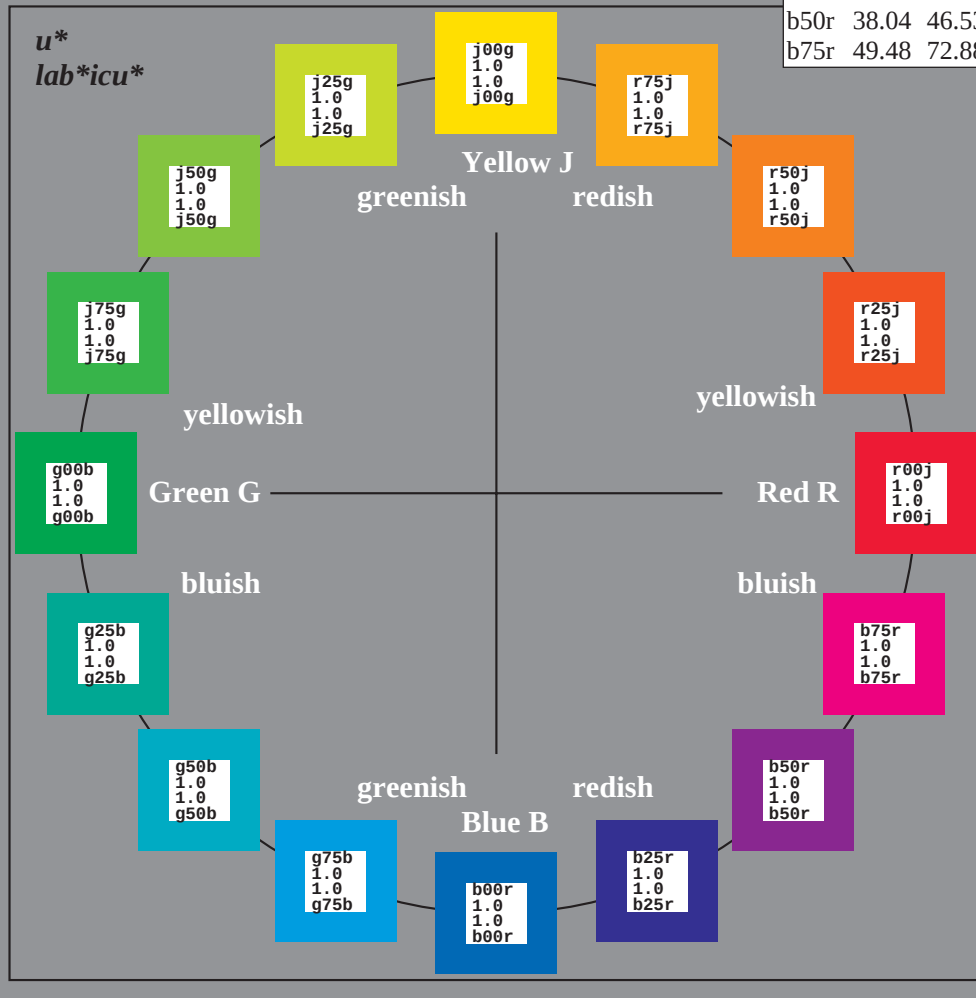
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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

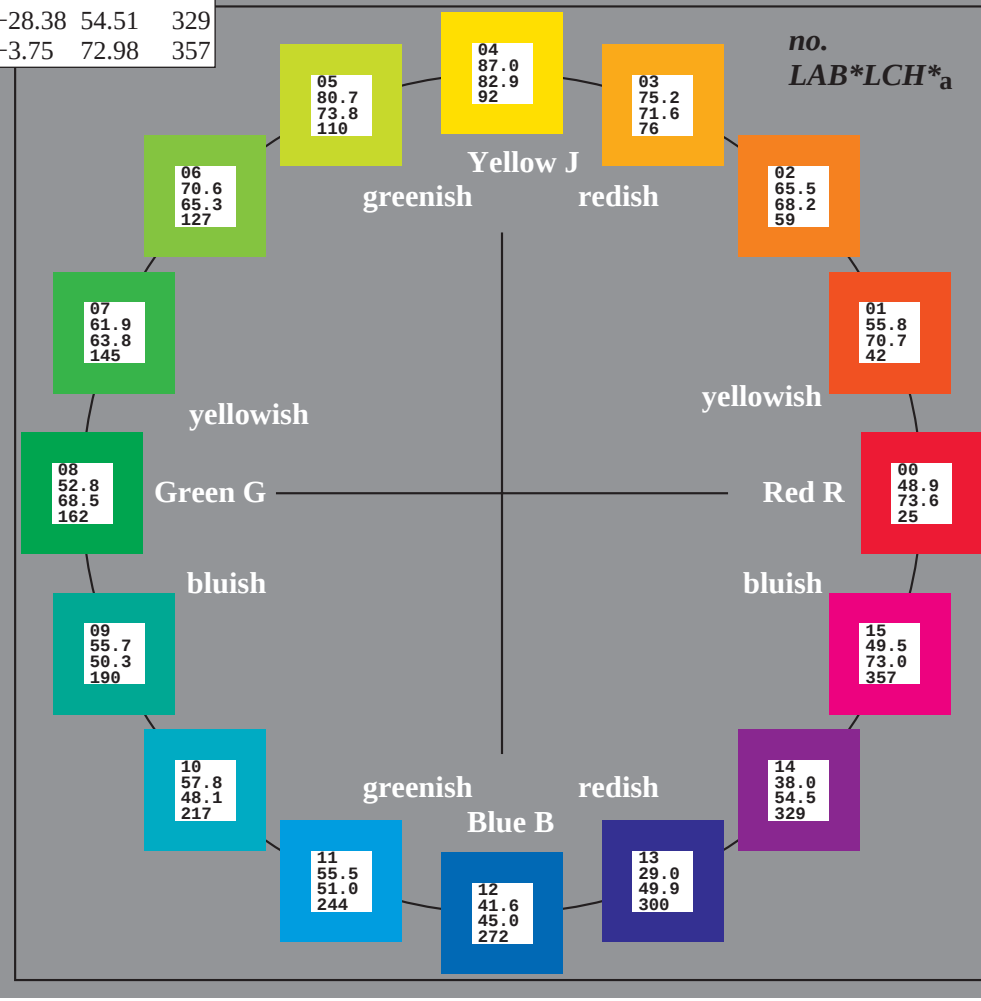


%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

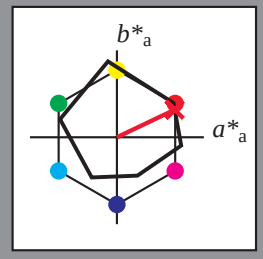
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

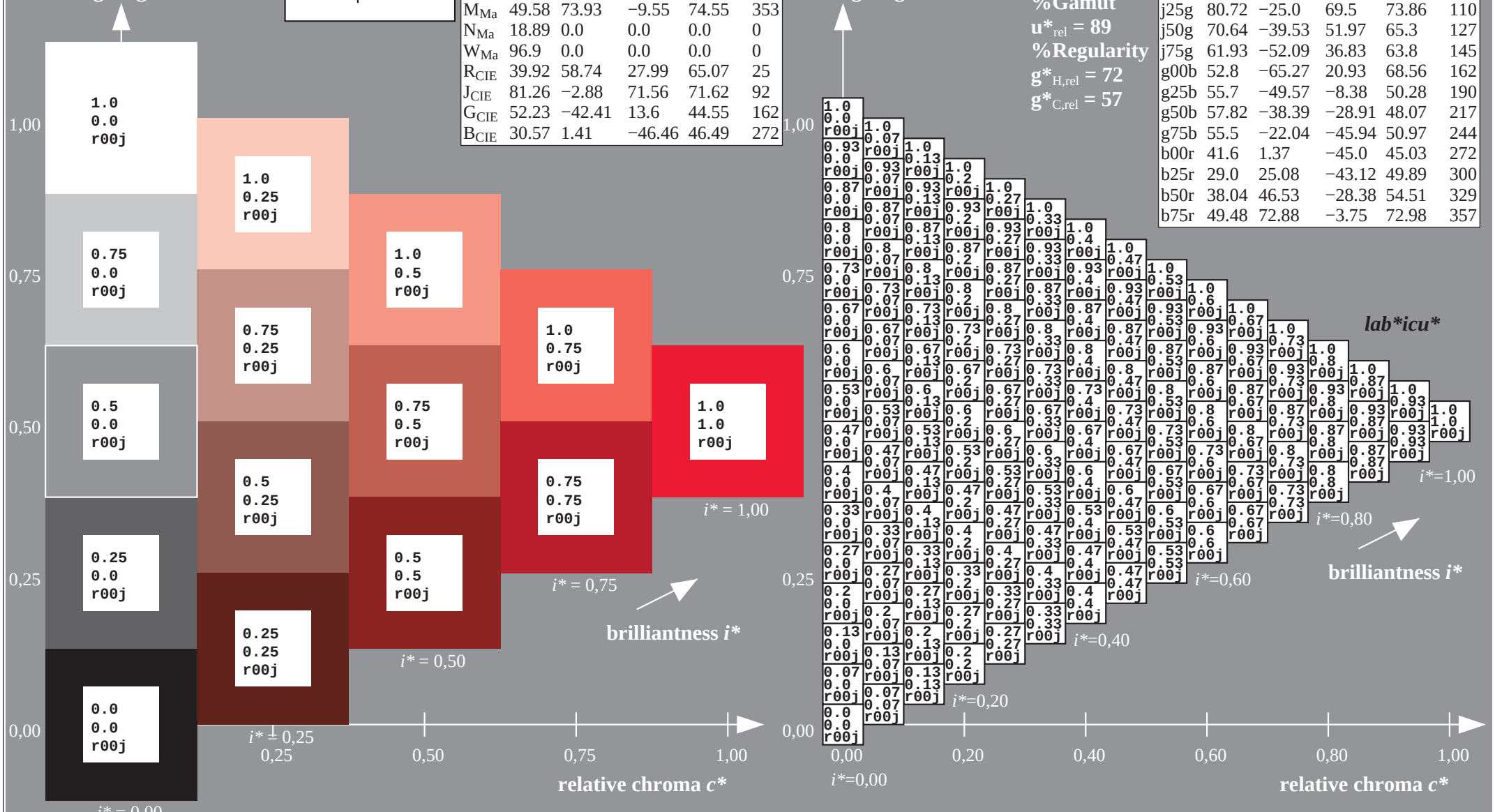
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 49 66 32**
***LAB*LCH*Ma*: 49 74 25**
***lab*rgb*Ma*: 1.0 0.0 0.0**
***lab*olv*Ma*: 1.0 0.0 0.16**
triangle lightness *t**

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

u* = r00j
lab*icu*

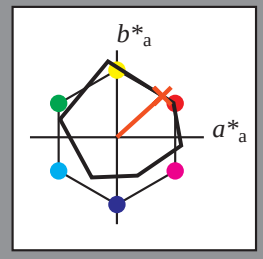
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

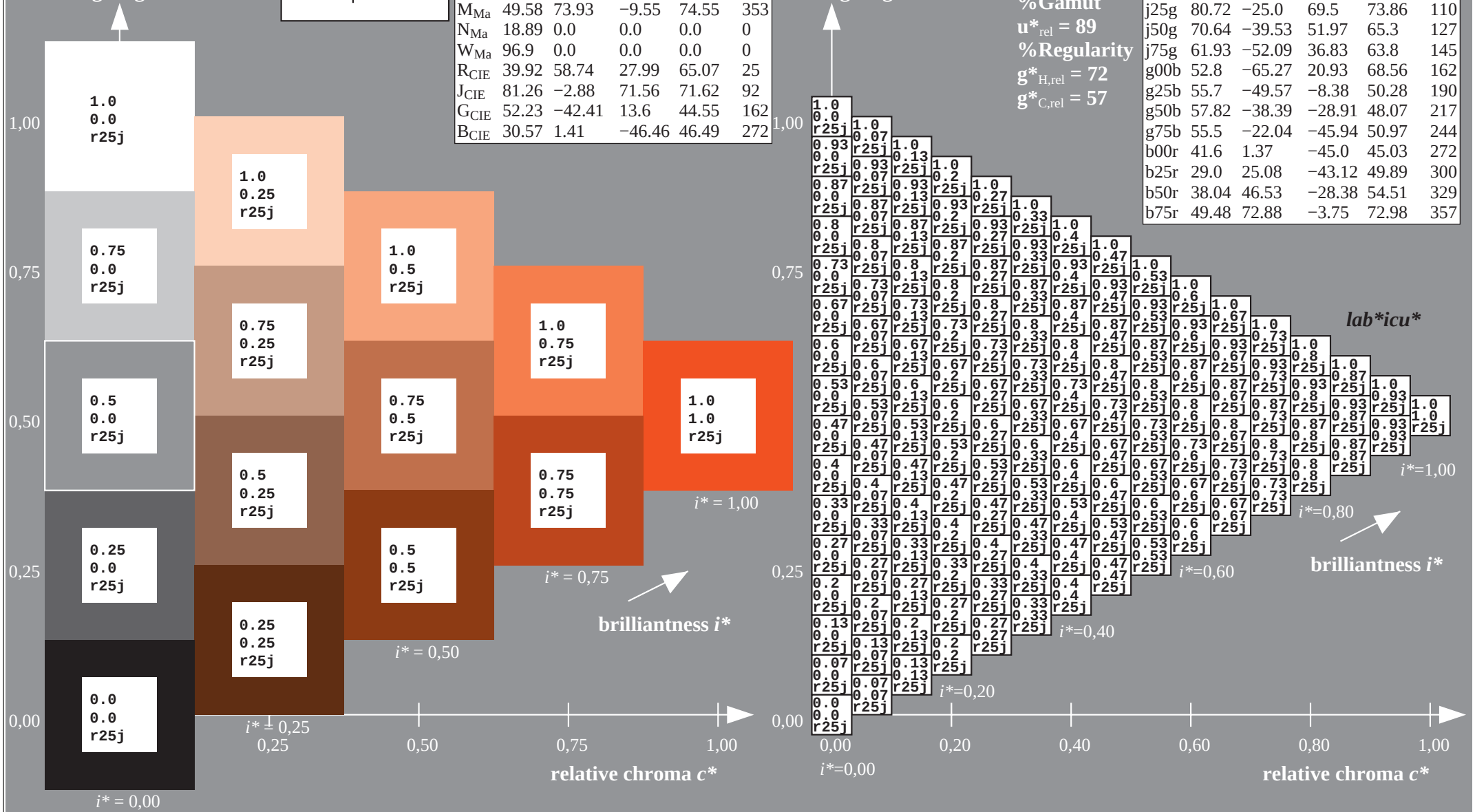
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 56 52 47**
***LAB*LCH*Ma*: 56 71 42**
***lab*rgb*Ma*: 1.0 0.25 0.0**
***lab*olv*Ma*: 1.0 0.17 0.0**
triangle lightness *t**

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

u* = r25j
lab*icu*

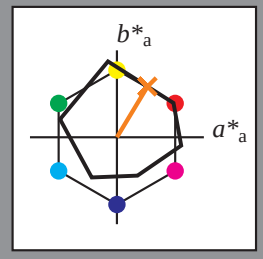
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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 $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$ *u* = r50j* *lab*icu**

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

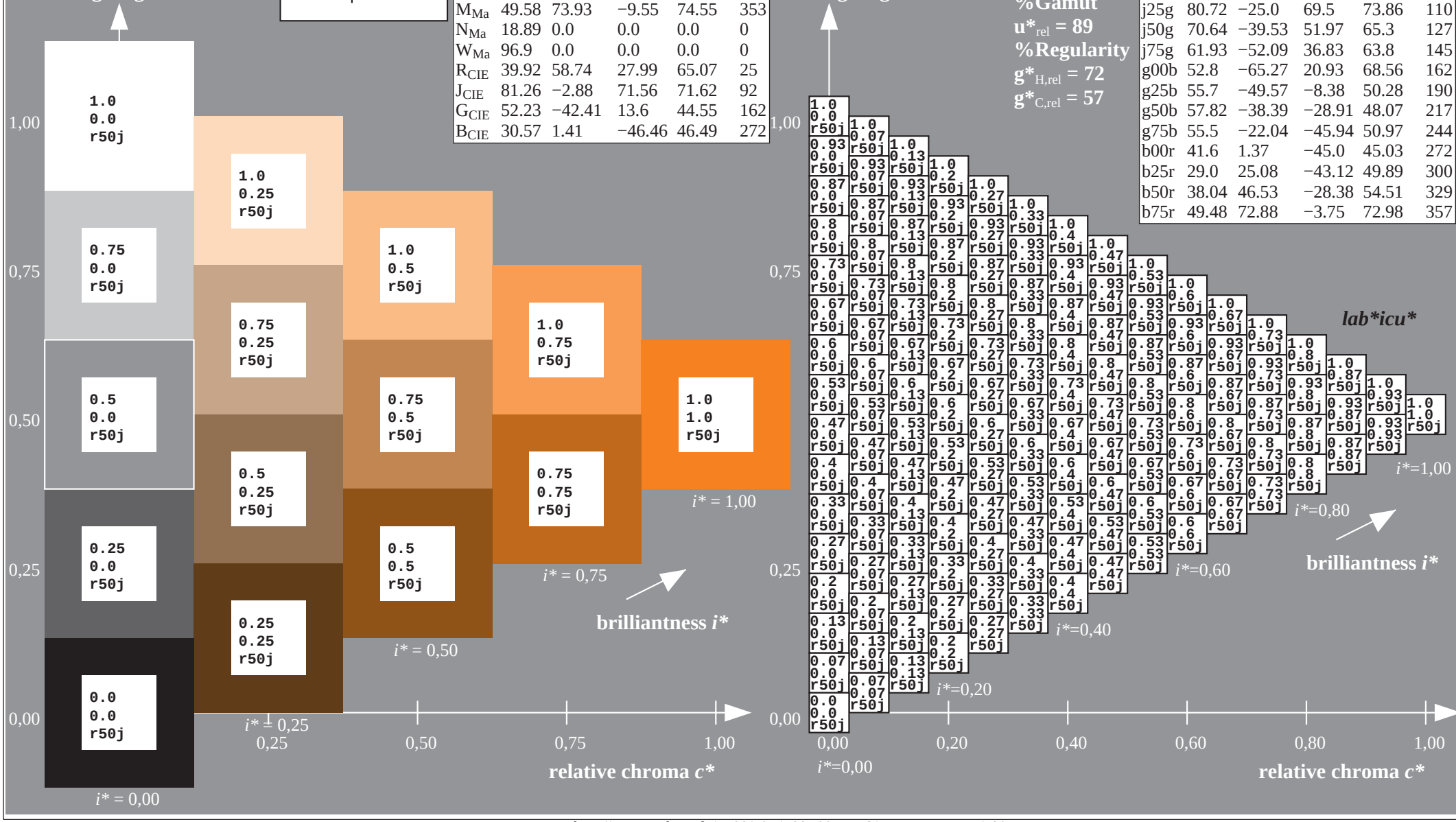
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

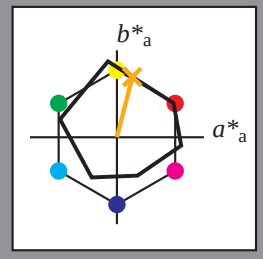
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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

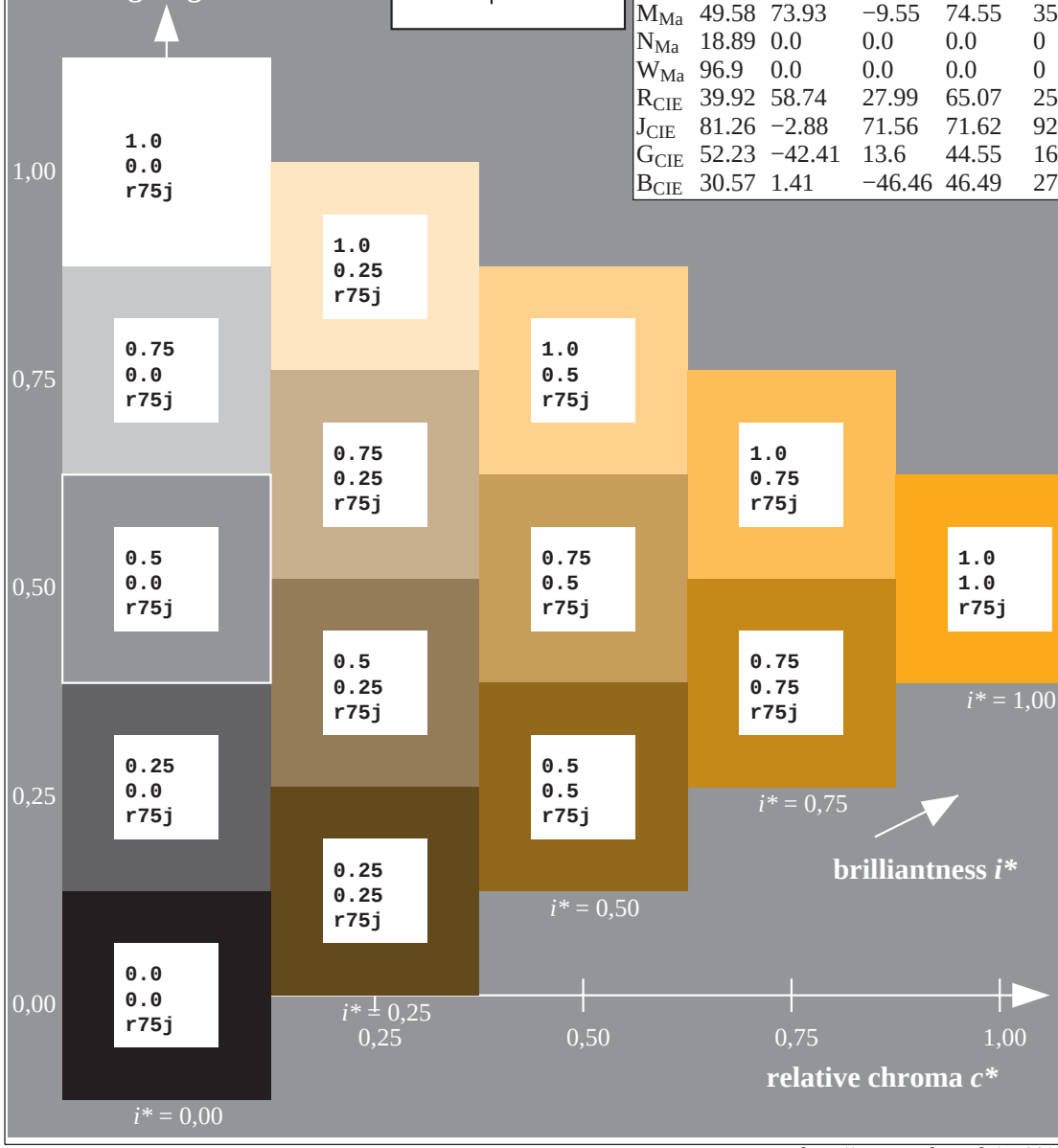
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 75 18 69**
***LAB*LCH*Ma*: 75 72 76**
***lab*rgb*Ma*: 1.0 0.75 0.0**
***lab*olv*Ma*: 1.0 0.63 0.0**
triangle lightness *t**

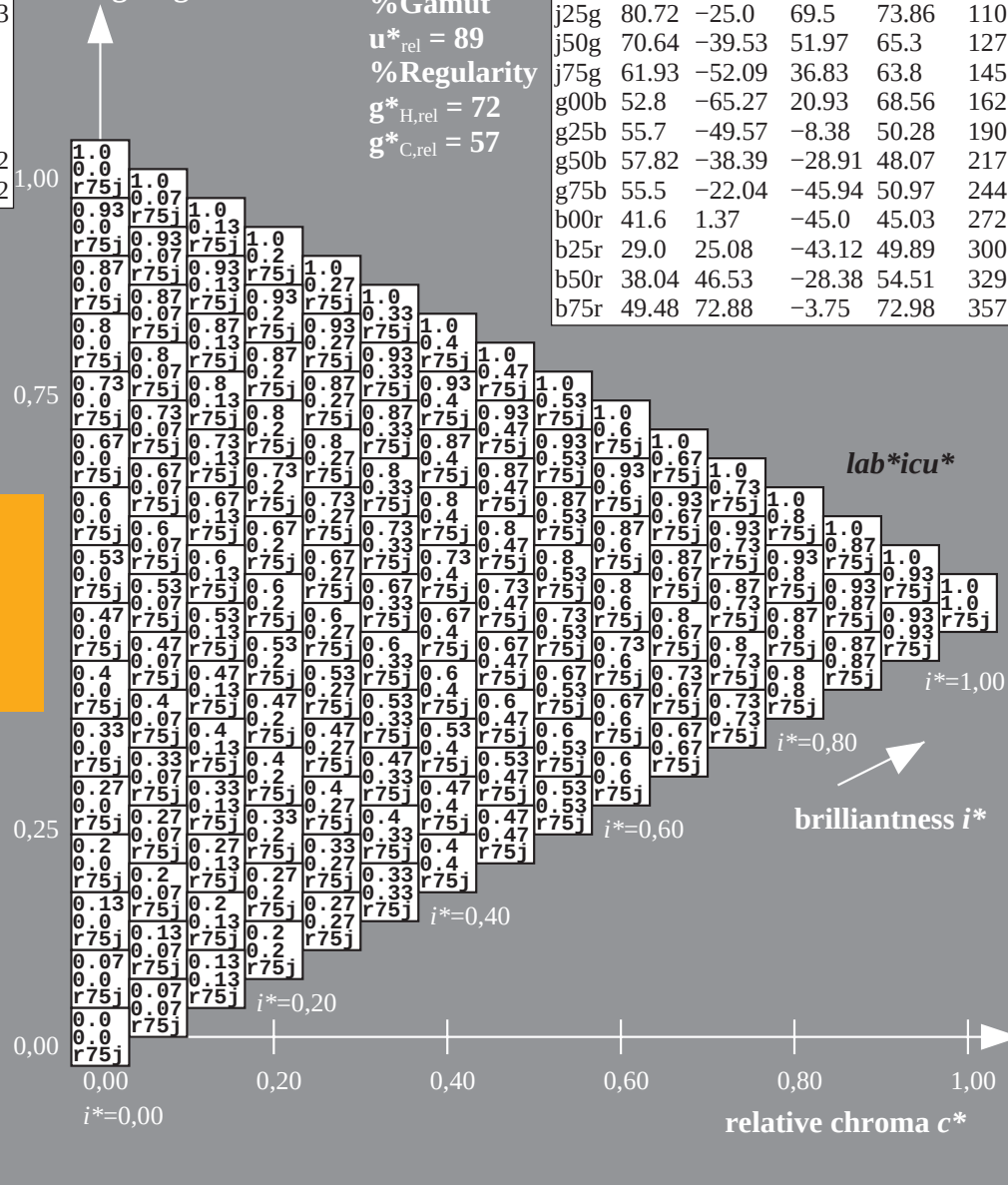
%Gamut
$u^*_{rel} = 89$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

u* = r75j
lab*icu*

ORS19_96a; adapted (a) CIELAB data

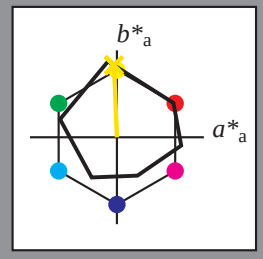
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

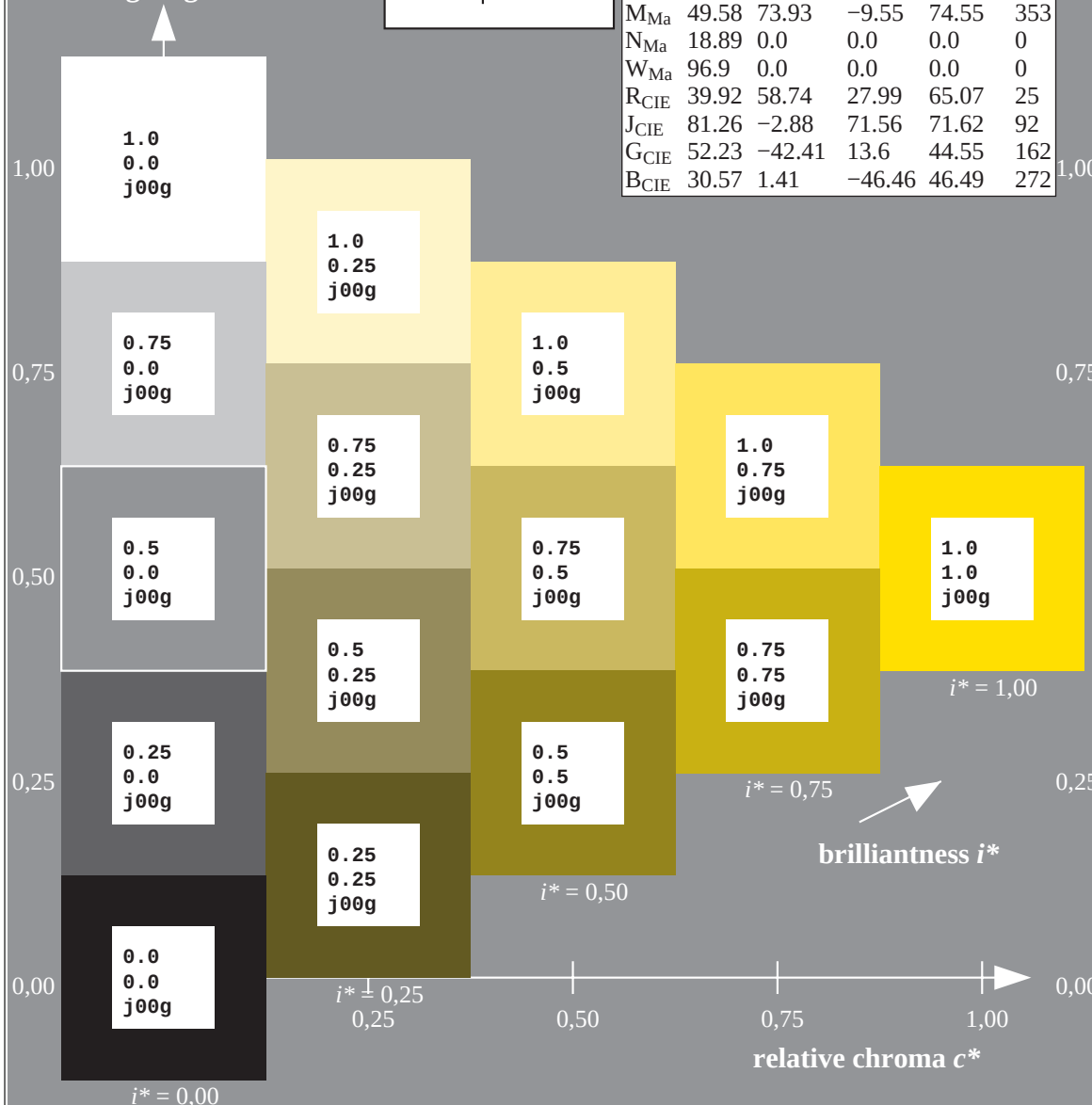
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 87 −2 83**
***LAB*LCH*Ma*: 87 83 92**
***lab*rgb*Ma*: 1.0 1.0 0.0**
***lab*olv*Ma*: 1.0 0.91 0.0**
triangle lightness *t**

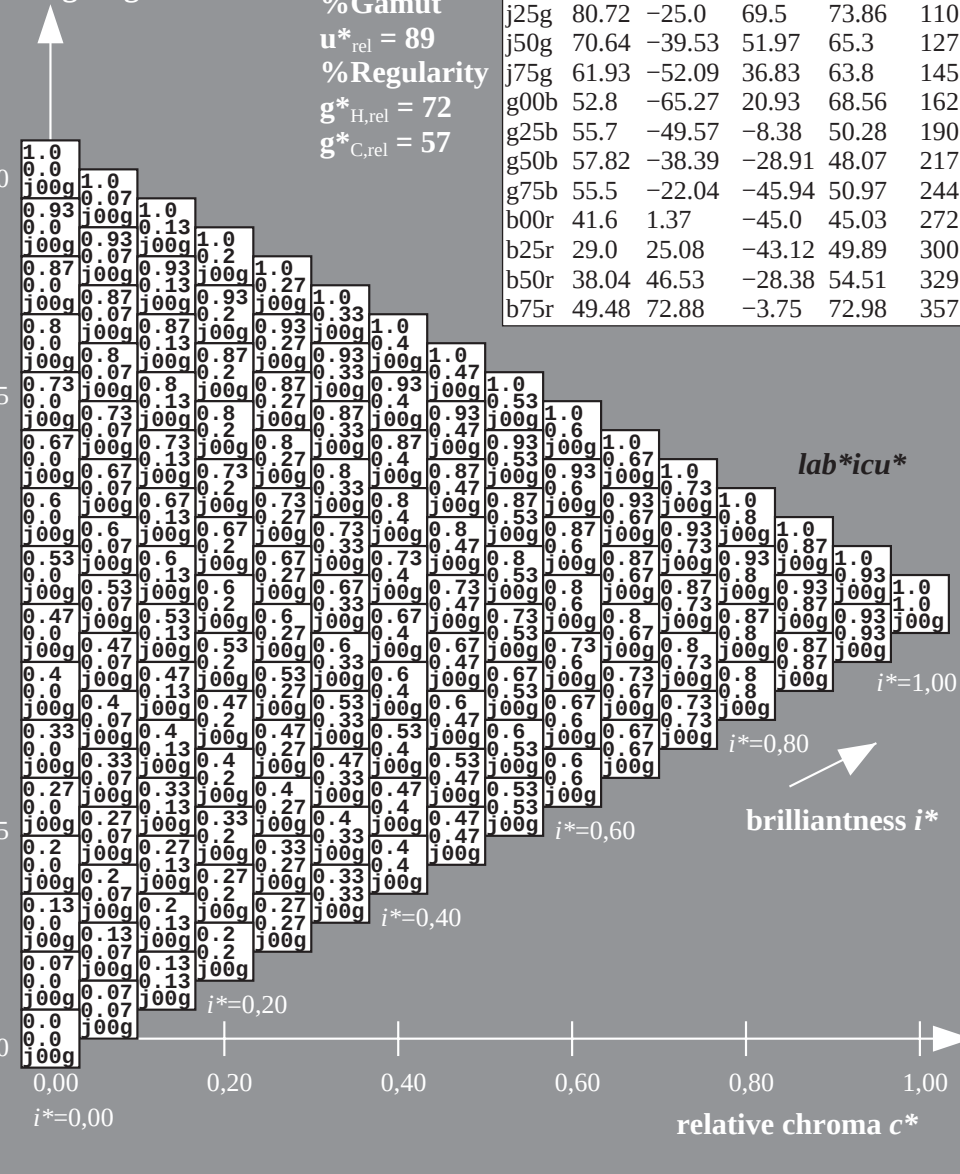
%Gamut
$u^*_{rel} = 89$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

u* = j00g
lab*icu*

ORS19_96a; adapted (a) CIELAB data

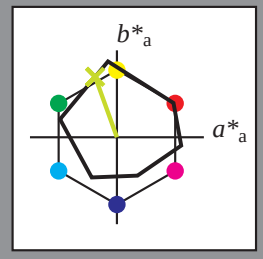
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

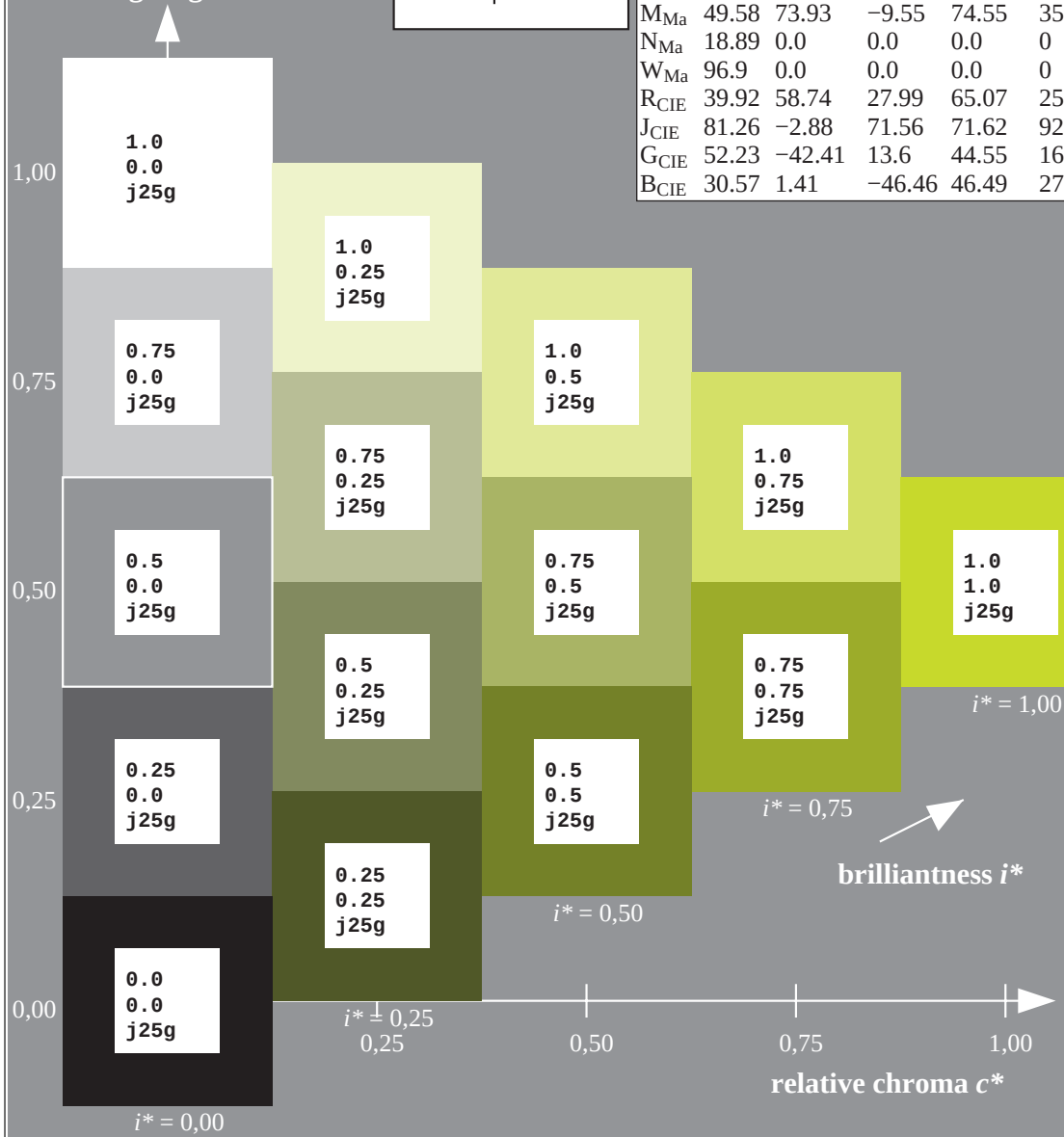
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 81 −24 69**
***LAB*LCH*Ma*: 81 74 110**
***lab*rgb*Ma*: 0.75 1.0 0.0**
***lab*olv*Ma*: 0.73 1.0 0.0**
triangle lightness *t**

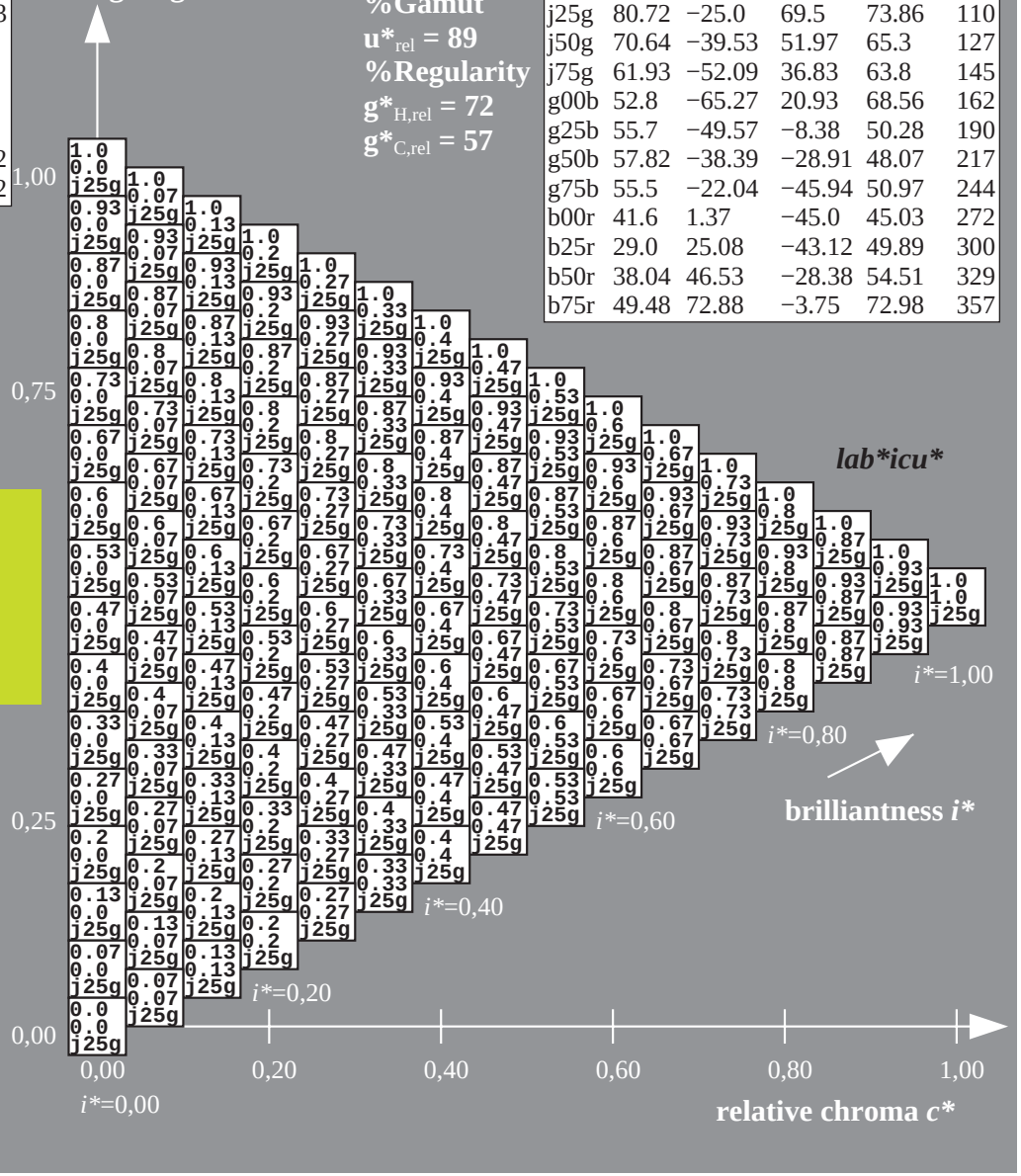
%Gamut
$u^*_{rel} = 89$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

u* = j25g
lab*icu*

ORS19_96a; adapted (a) CIELAB data

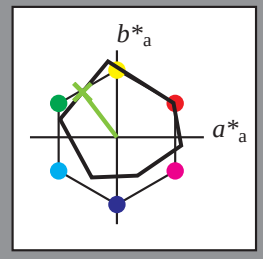
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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 $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$ *u* = j50g* *lab*icu**

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

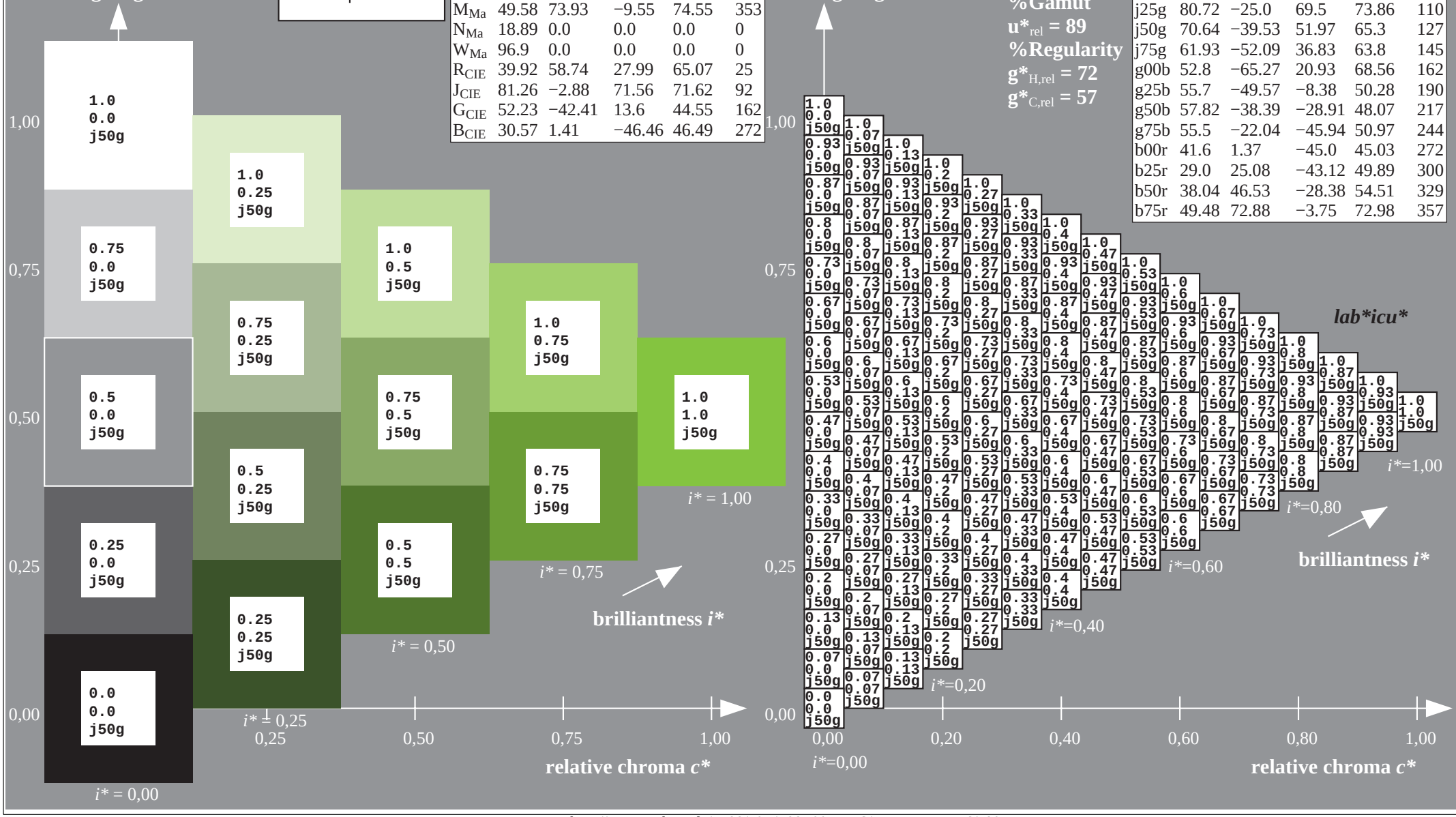
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

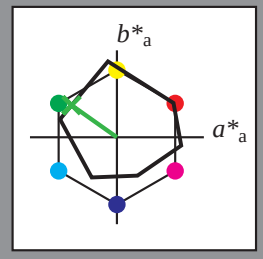
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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

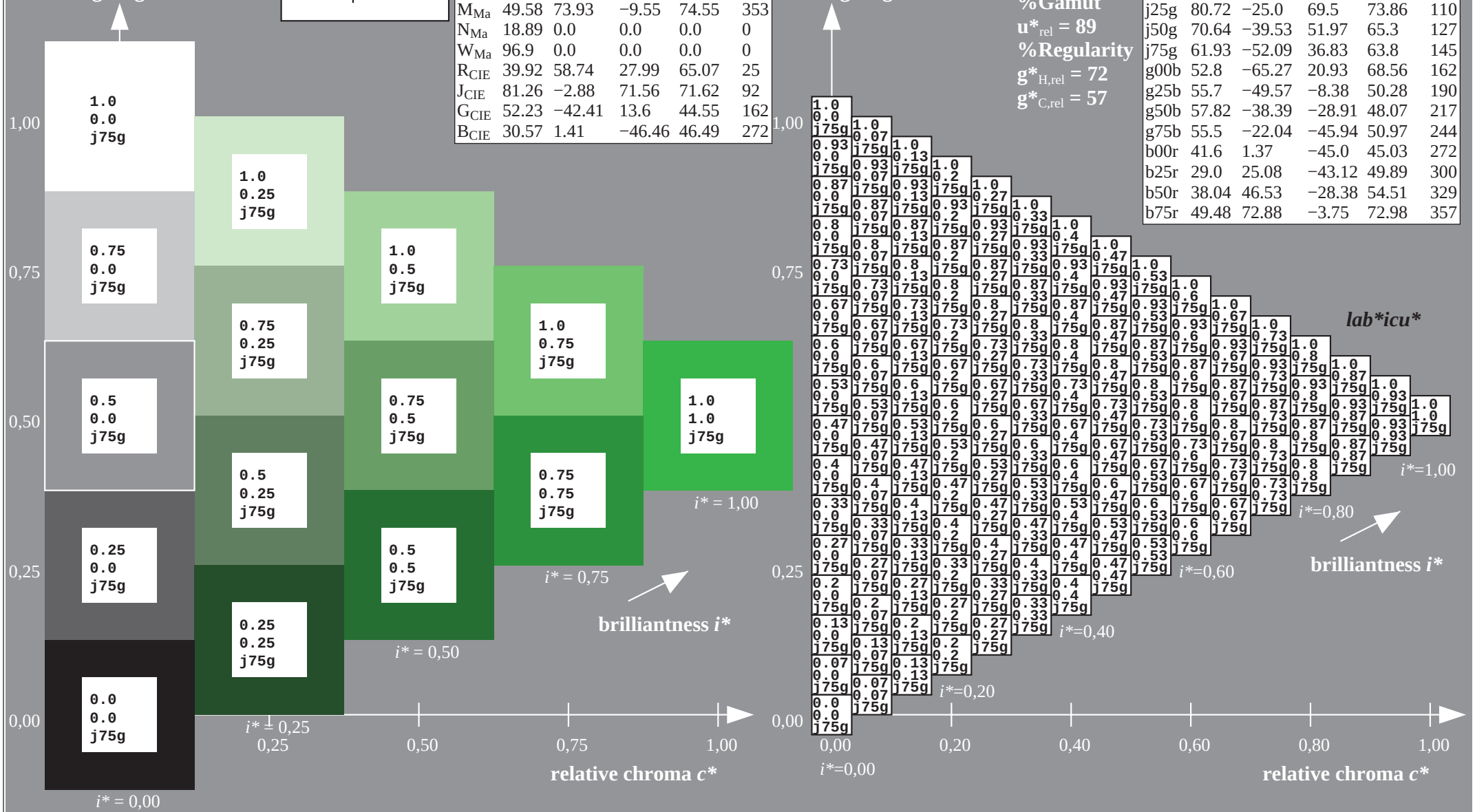
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 62 −51 37**
***LAB*LCH*Ma*: 62 64 145**
***lab*rgb*Ma*: 0.25 1.0 0.0**
***lab*olv*Ma*: 0.24 1.0 0.0**
triangle lightness *t**

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

u* = j75g
lab*icu*

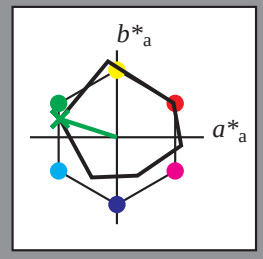
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

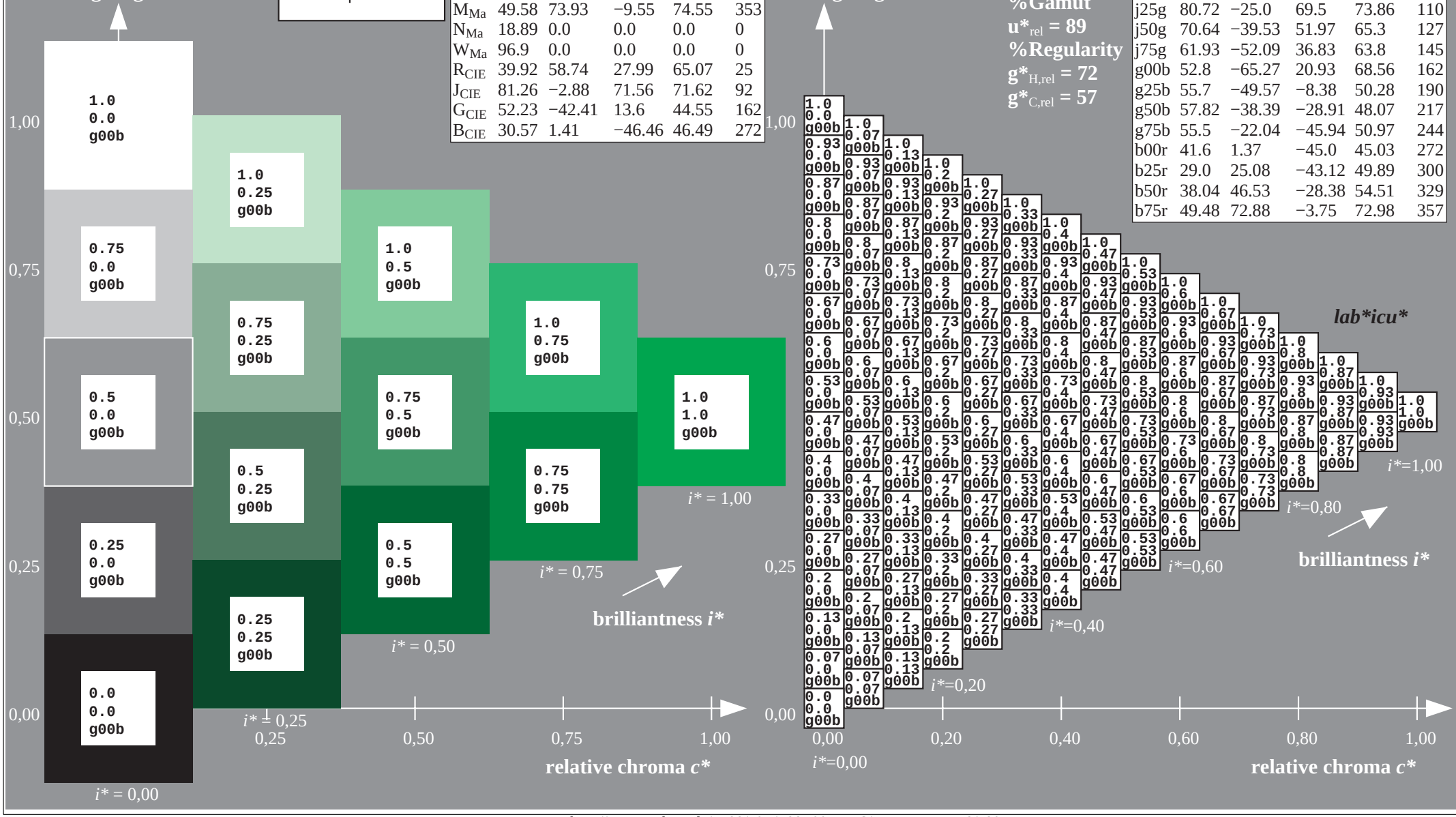
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 53 −64 21**
***LAB*LCH*Ma*: 53 69 162**
***lab*rgb*Ma*: 0.0 1.0 0.0**
***lab*olv*Ma*: 0.0 1.0 0.0**
triangle lightness *t**

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

u* = g00b
lab*icu*

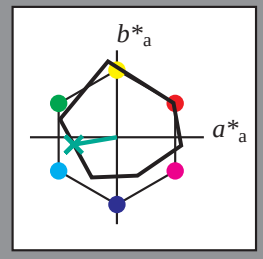
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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 $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$ *u* = g25b*

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

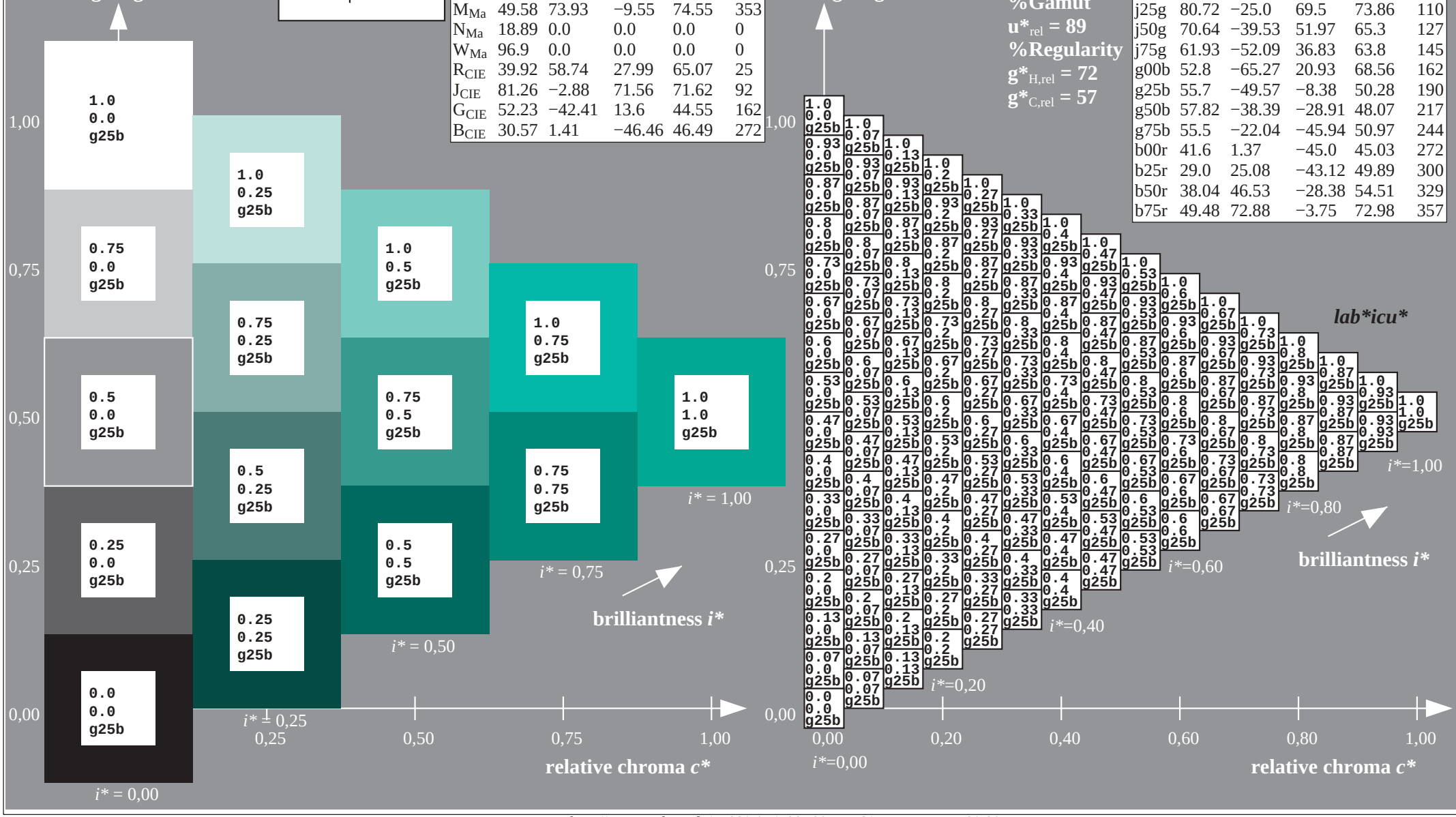
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

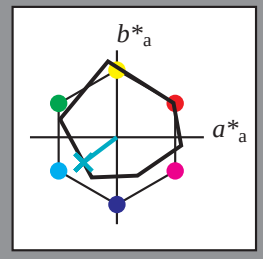
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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

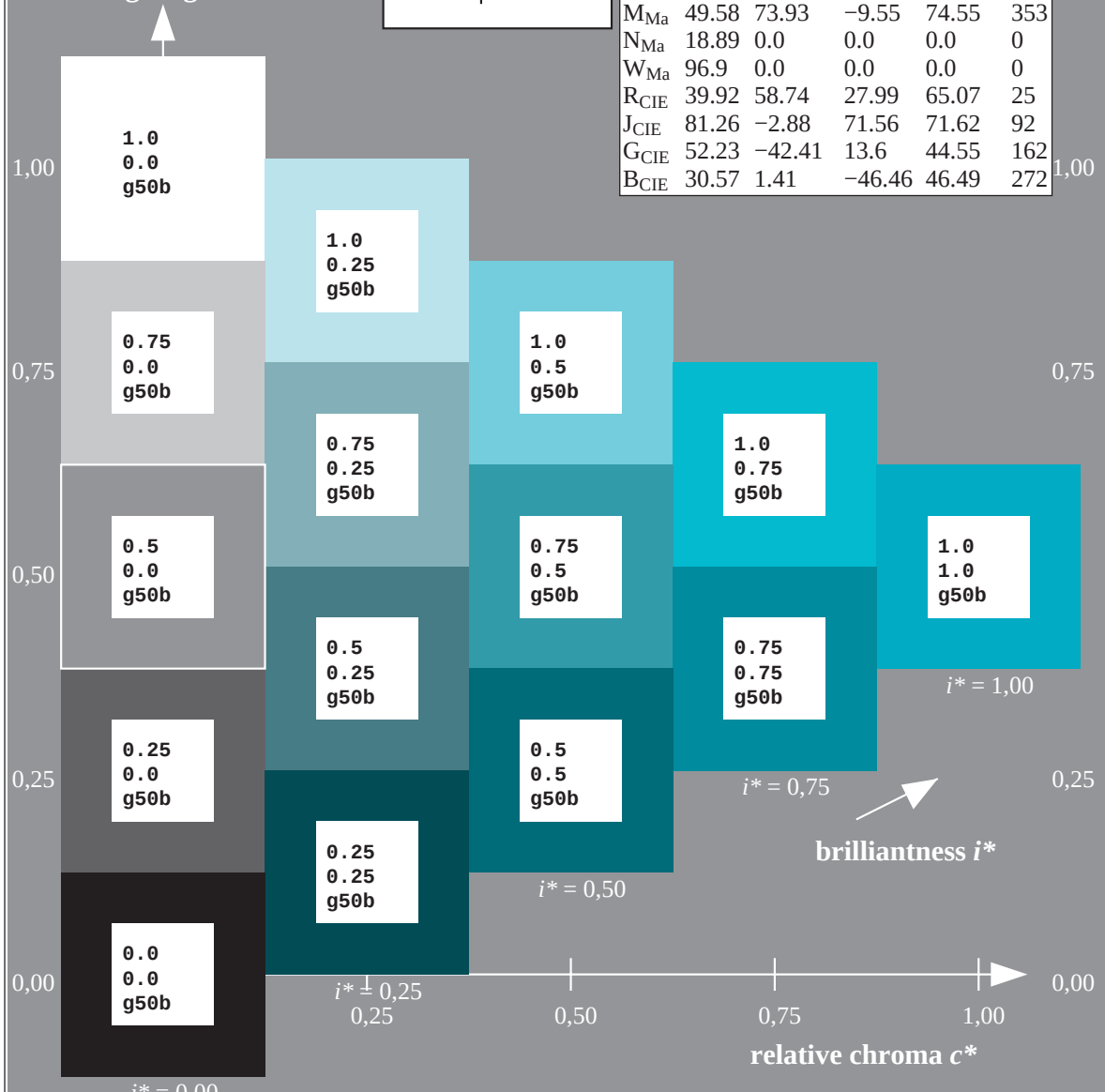
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 58 −37 −28**
***LAB*LCH*Ma*: 58 48 217**
***lab*rgb*Ma*: 0.0 1.0 1.0**
***lab*olv*Ma*: 0.0 1.0 0.74**
triangle lightness *t**

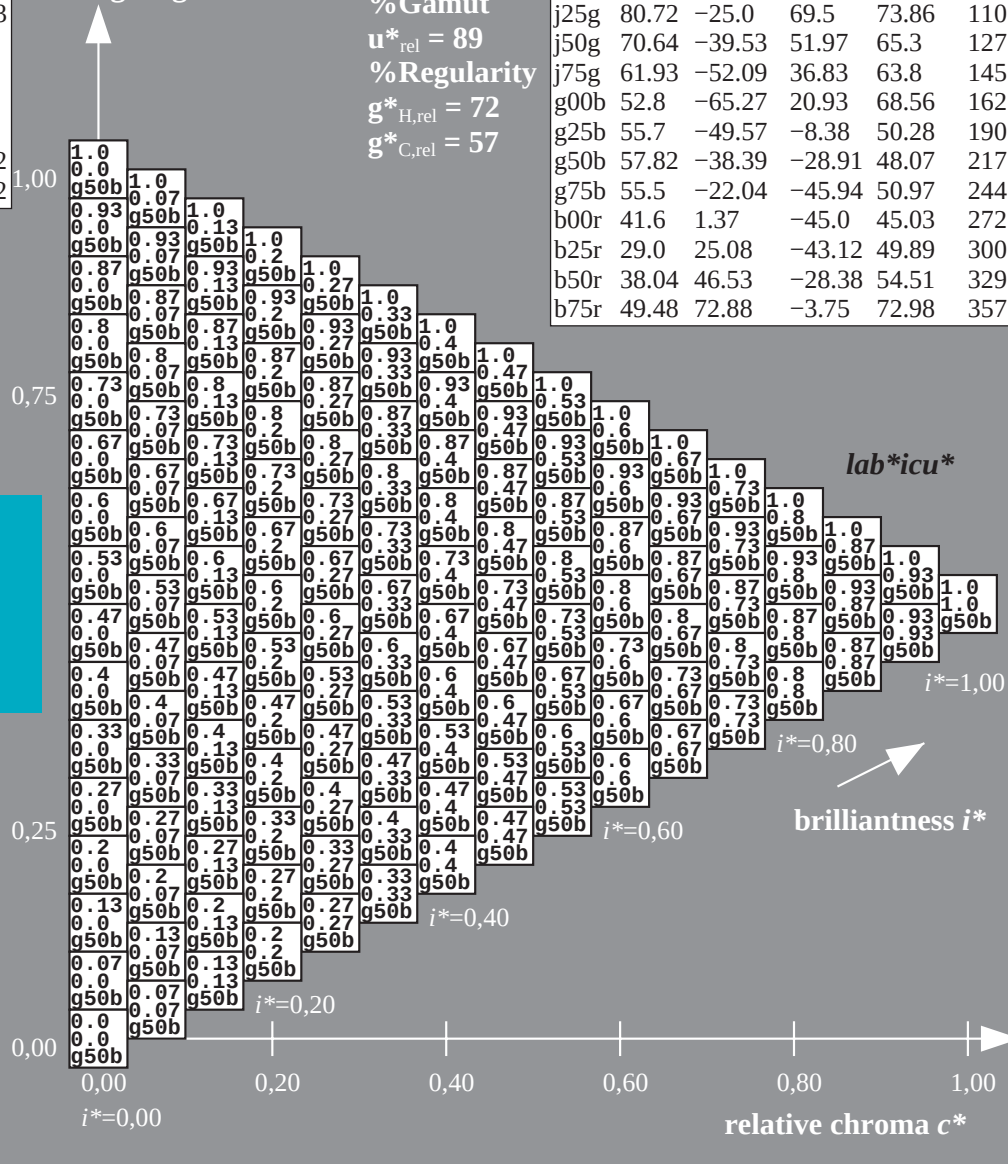
%Gamut
$u^*_{rel} = 89$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

u* = g50b
lab*icu*

ORS19_96a; adapted (a) CIELAB data

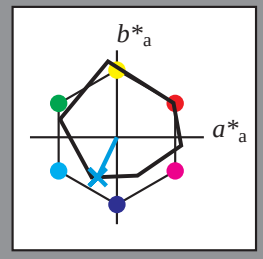
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

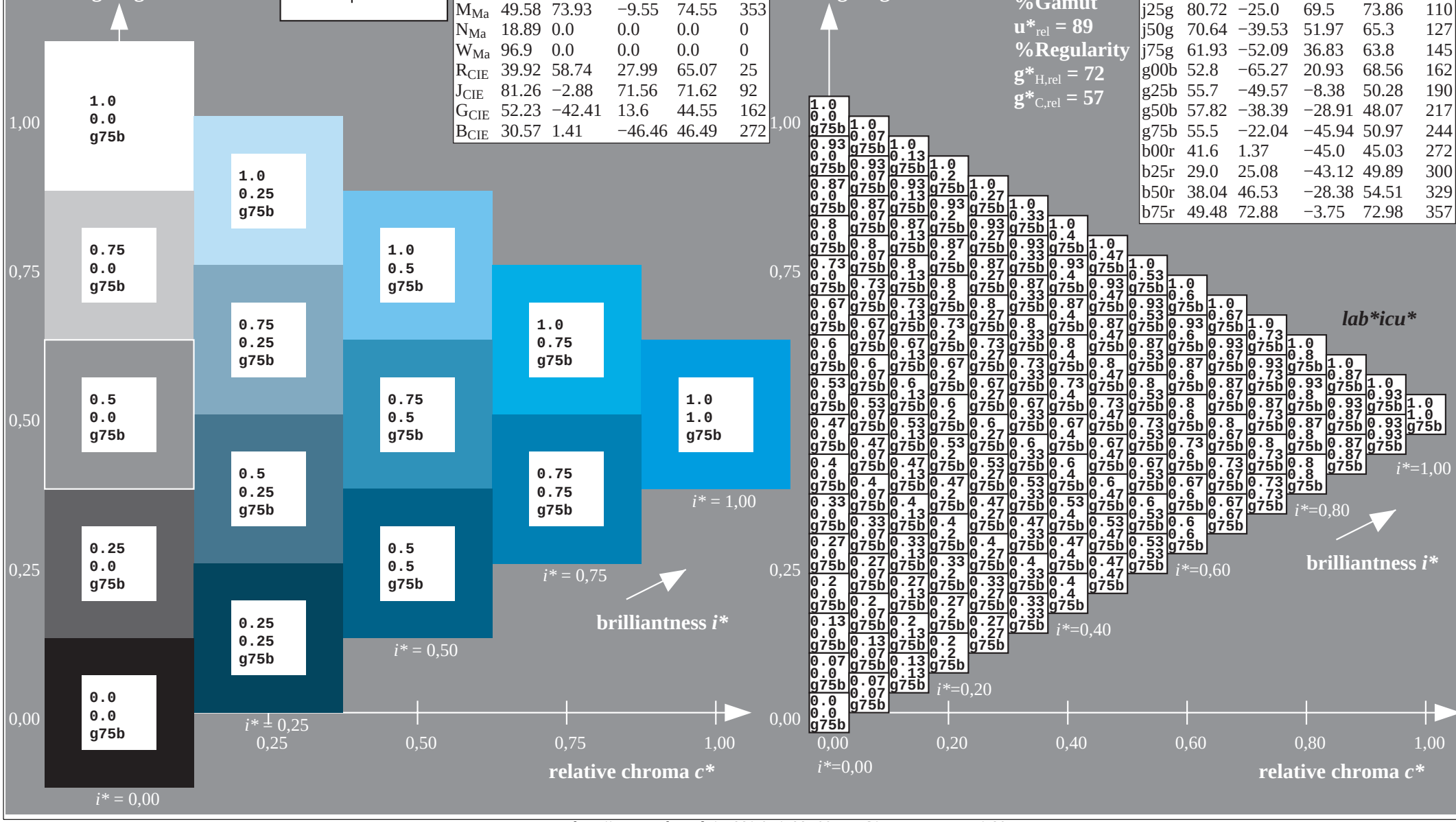
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 55 −21 −45**
***LAB*LCH*Ma*: 55 51 244**
***lab*rgb*Ma*: 0.0 0.5 1.0**
***lab*olv*Ma*: 0.0 0.87 1.0**
triangle lightness *t**

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

u* = g75b
lab*icu*

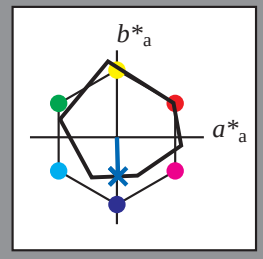
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

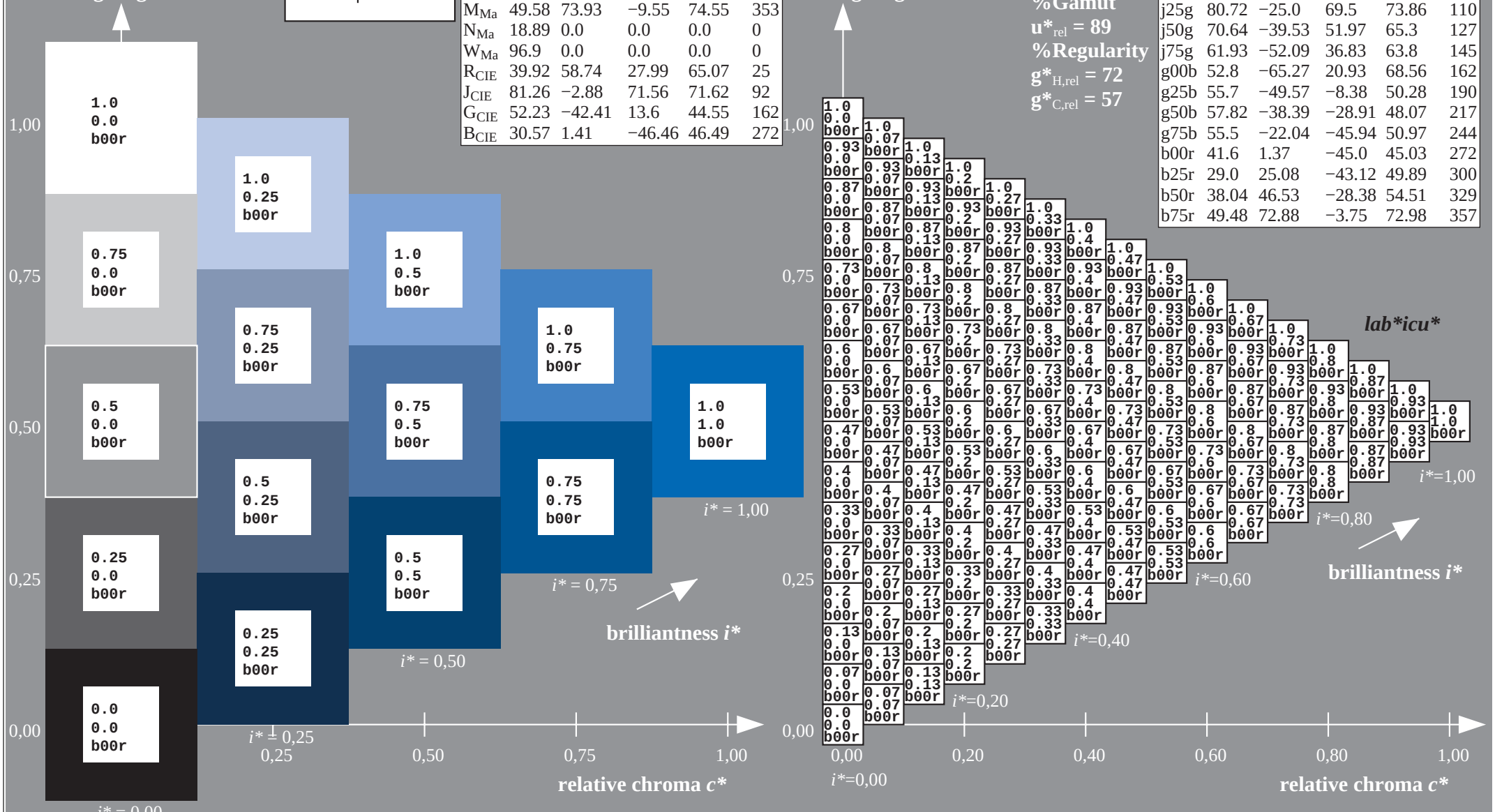
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 42 1 −44**
***LAB*LCH*Ma*: 42 45 272**
***lab*rgb*Ma*: 0.0 0.0 1.0**
***lab*olv*Ma*: 0.0 0.42 1.0**
triangle lightness *t**

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

u* = b00r
lab*icu*

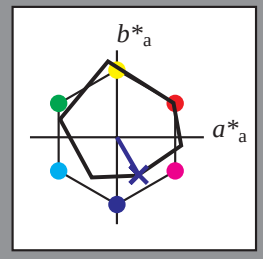
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

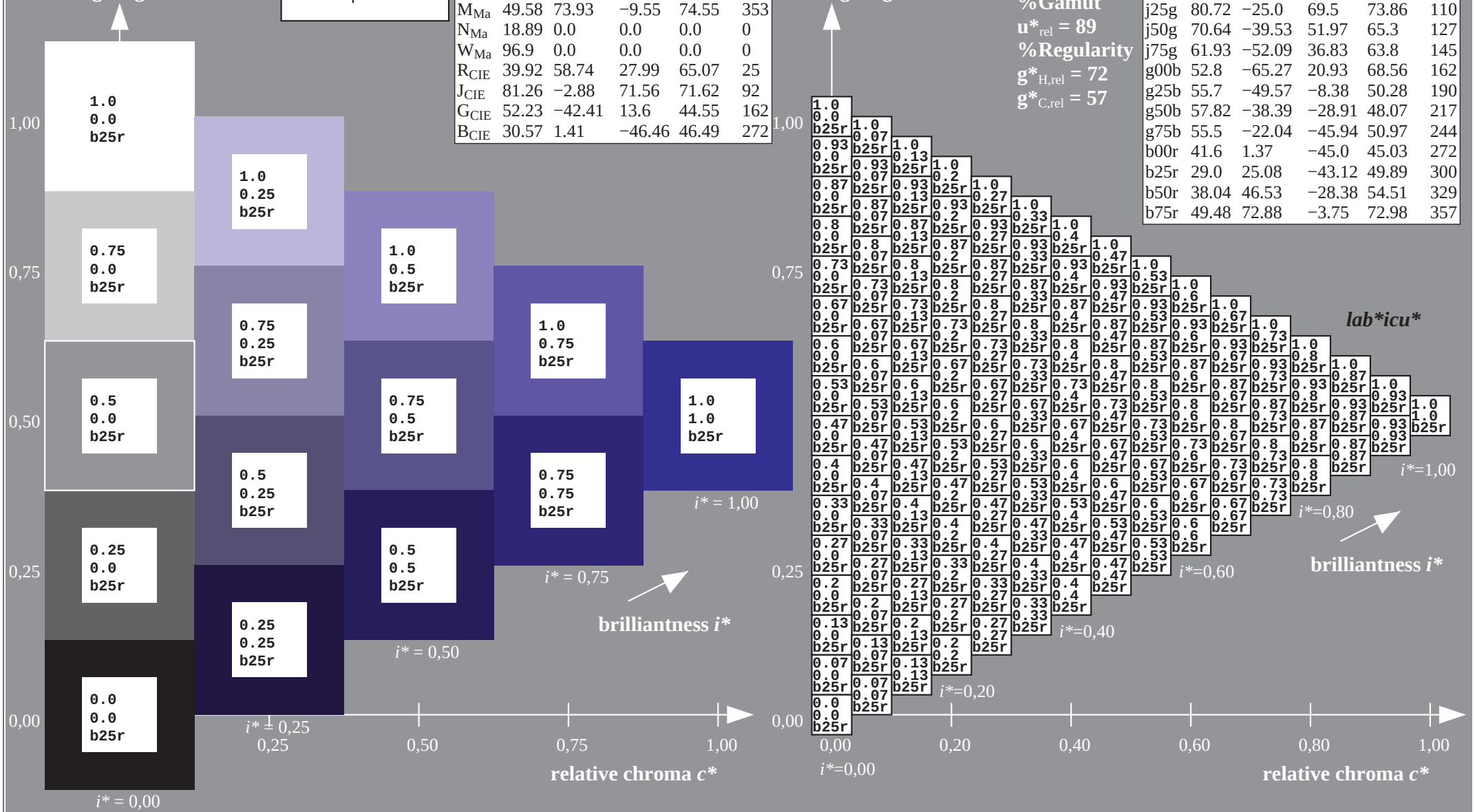
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 29 25 −42**
***LAB*LCH*Ma*: 29 50 300**
***lab*rgb*Ma*: 0.5 0.0 1.0**
***lab*olv*Ma*: 0.03 0.0 1.0**
triangle lightness *t**

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

u* = b25r
lab*icu*

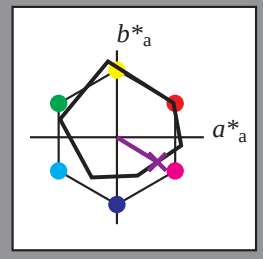
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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 $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$ *u* = b50r*

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

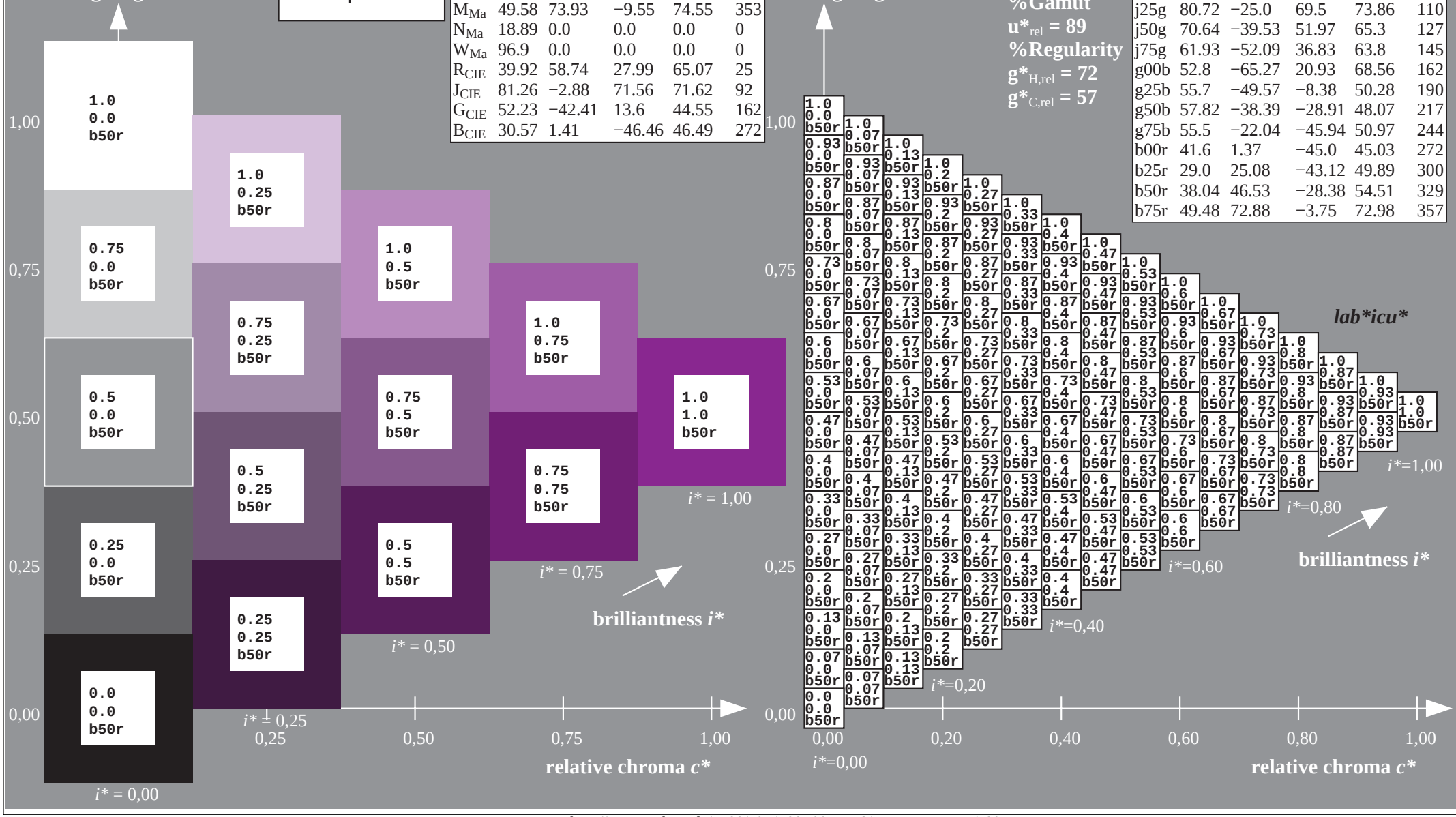
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

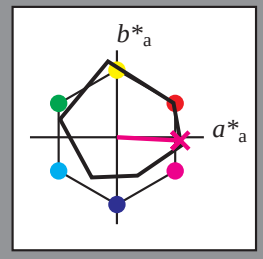
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$ *u* = b75r*

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

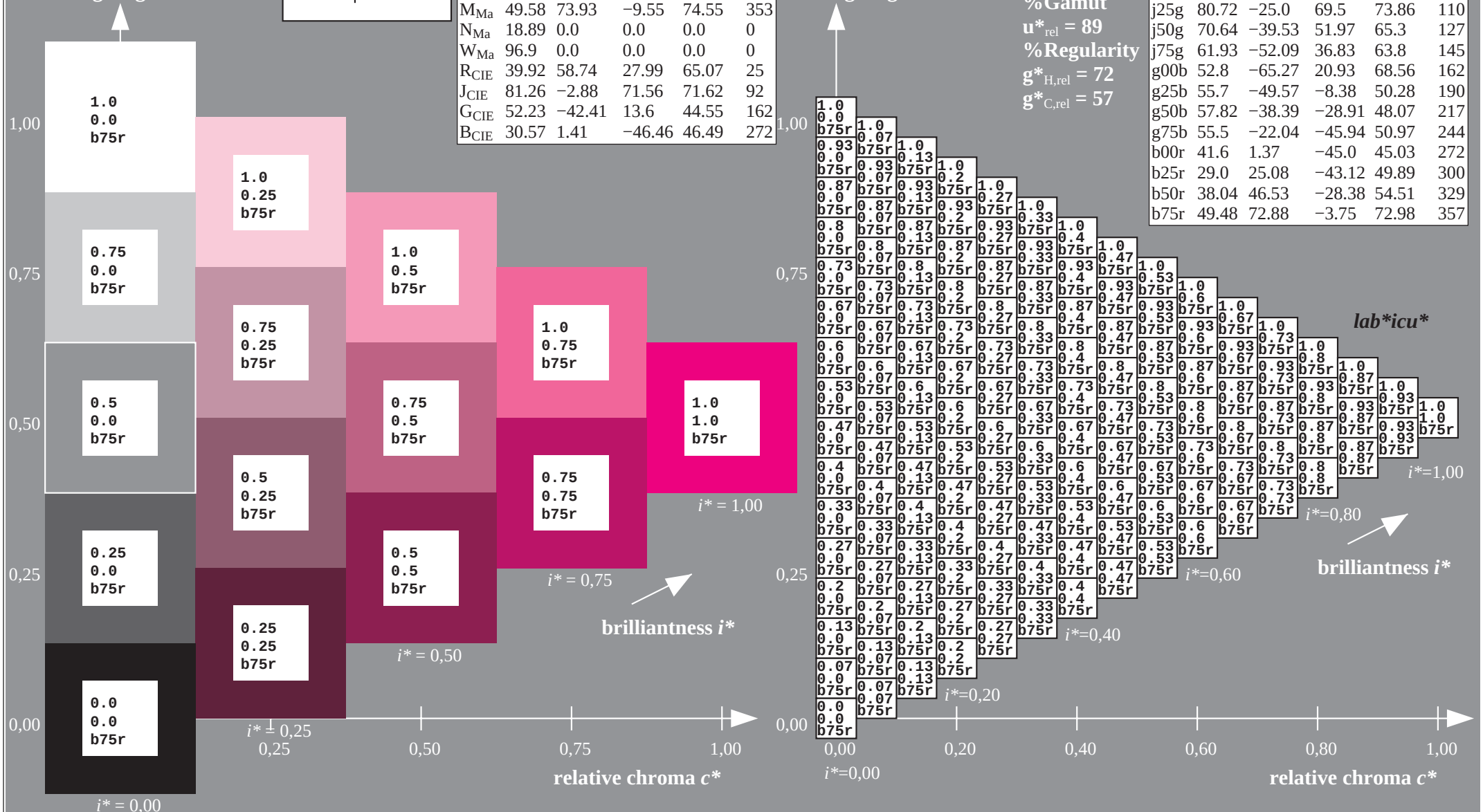
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.28	87.24	87.85	97
L_{Ma}	52.69	−65.43	20.75	68.65	162
C_{Ma}	59.61	−28.97	−46.21	54.56	238
V_{Ma}	28.39	23.63	−44.12	50.06	298
M_{Ma}	49.58	73.93	−9.55	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	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

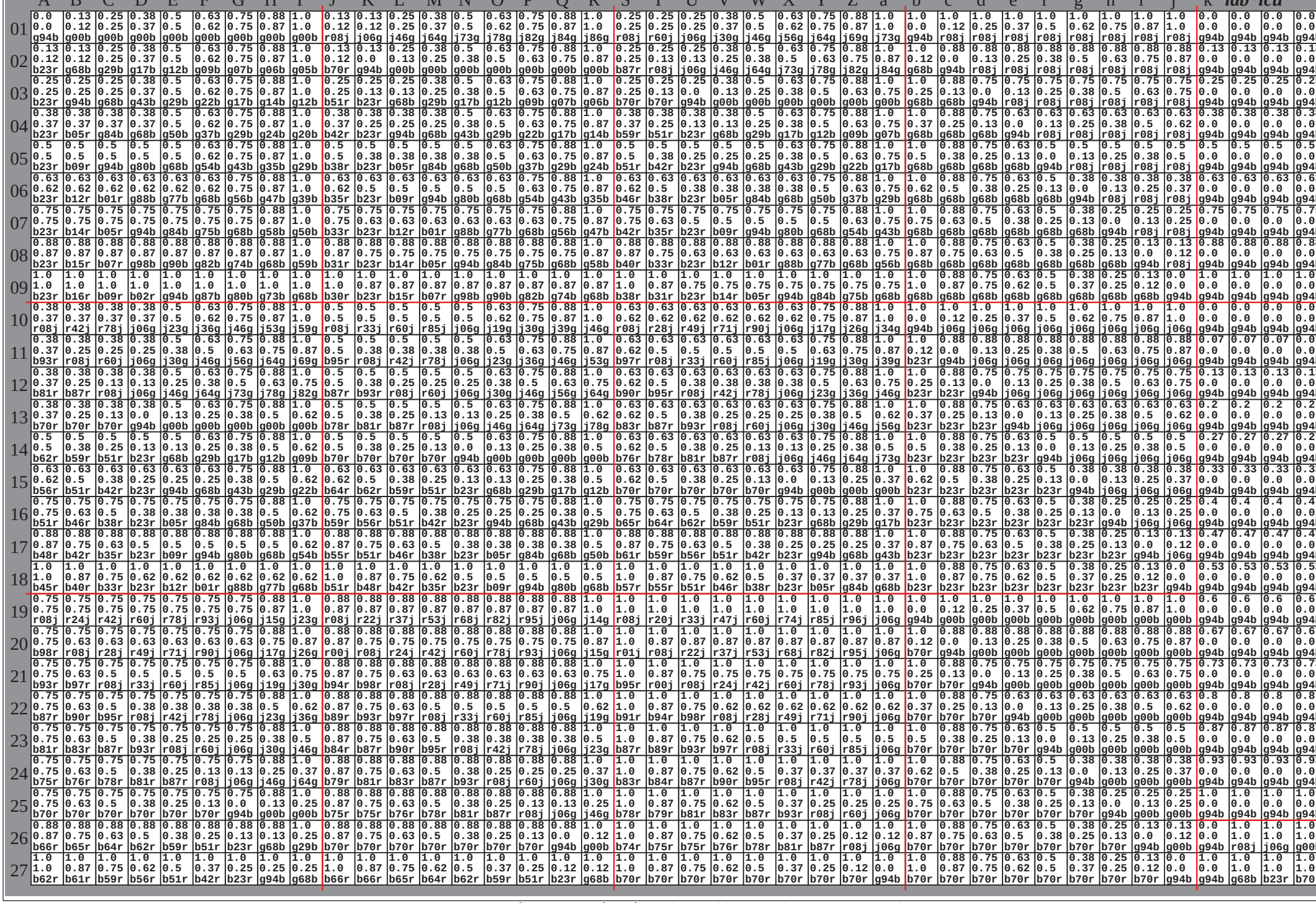
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 49 73 −3**
***LAB*LCH*Ma*: 49 73 357**
***lab*rgb*Ma*: 1.0 0.0 0.5**
***lab*olv*Ma*: 1.0 0.0 0.88**
triangle lightness *t**

%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




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
02
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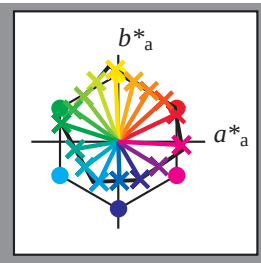
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
*lab*tch** **and** *lab*icu**
elementary hue text:
*u** **= 16 hues** *r00j, r25j, ..., b75r*
contrast reduction factor:
$c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

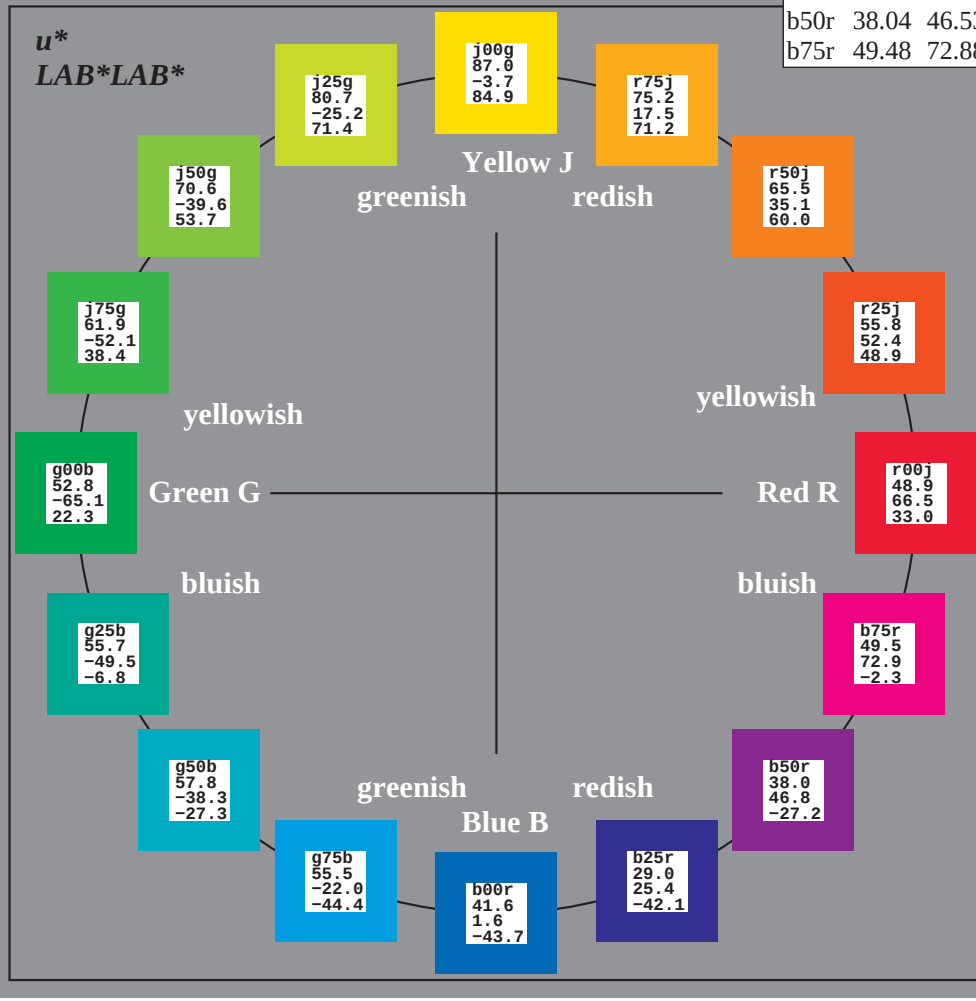
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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

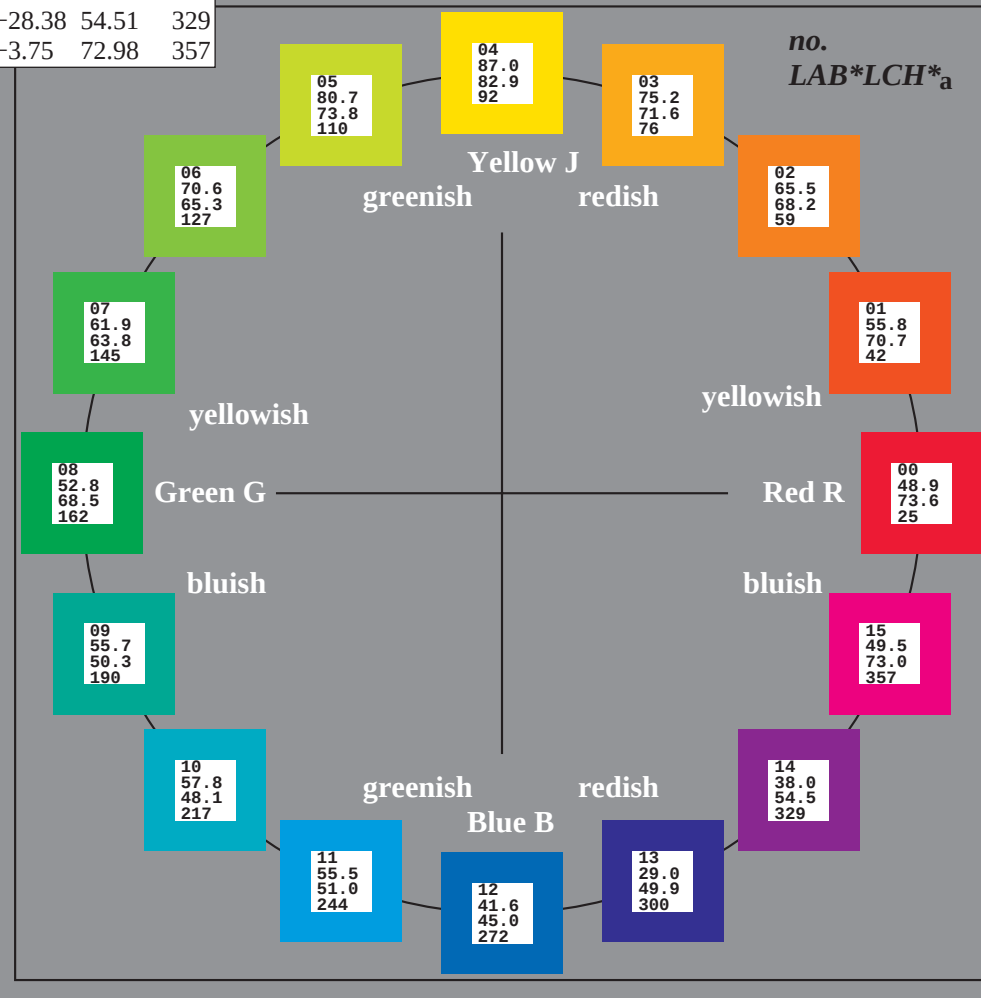


%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96; CIELAB data

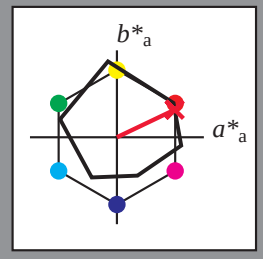
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272





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

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
u = r00j*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS19_96; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

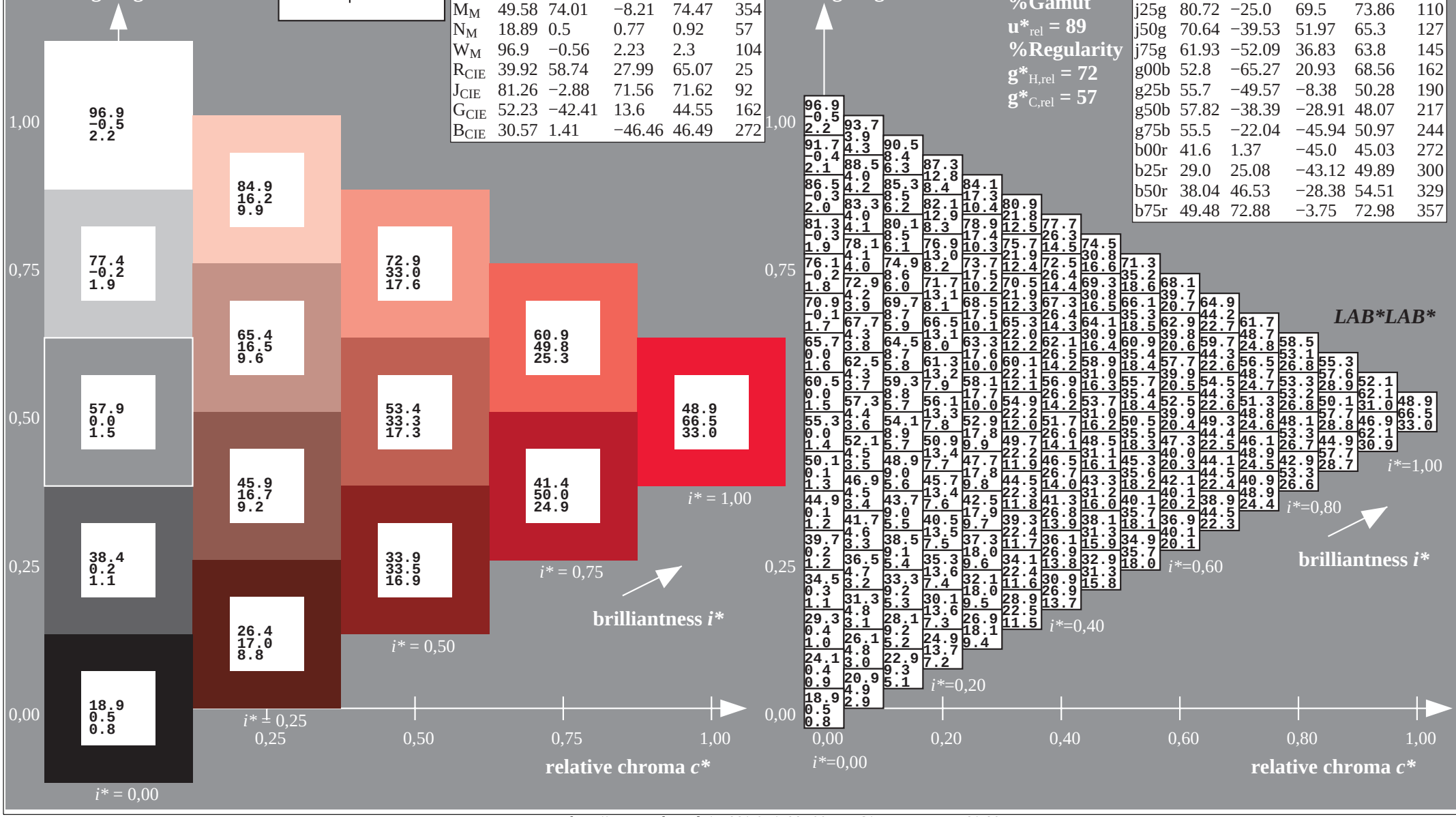
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 49 66 32**
***LAB*LCH*Ma*: 49 74 25**
***lab*rgb*Ma*: 1.0 0.0 0.0**
***lab*olv*Ma*: 1.0 0.0 0.16**
triangle lightness *t**

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

u* = r00j
LAB*LAB*

ORS19_96a; adapted (a) CIELAB data

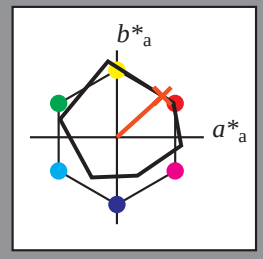
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



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

u* = r25j
LAB*LAB*

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

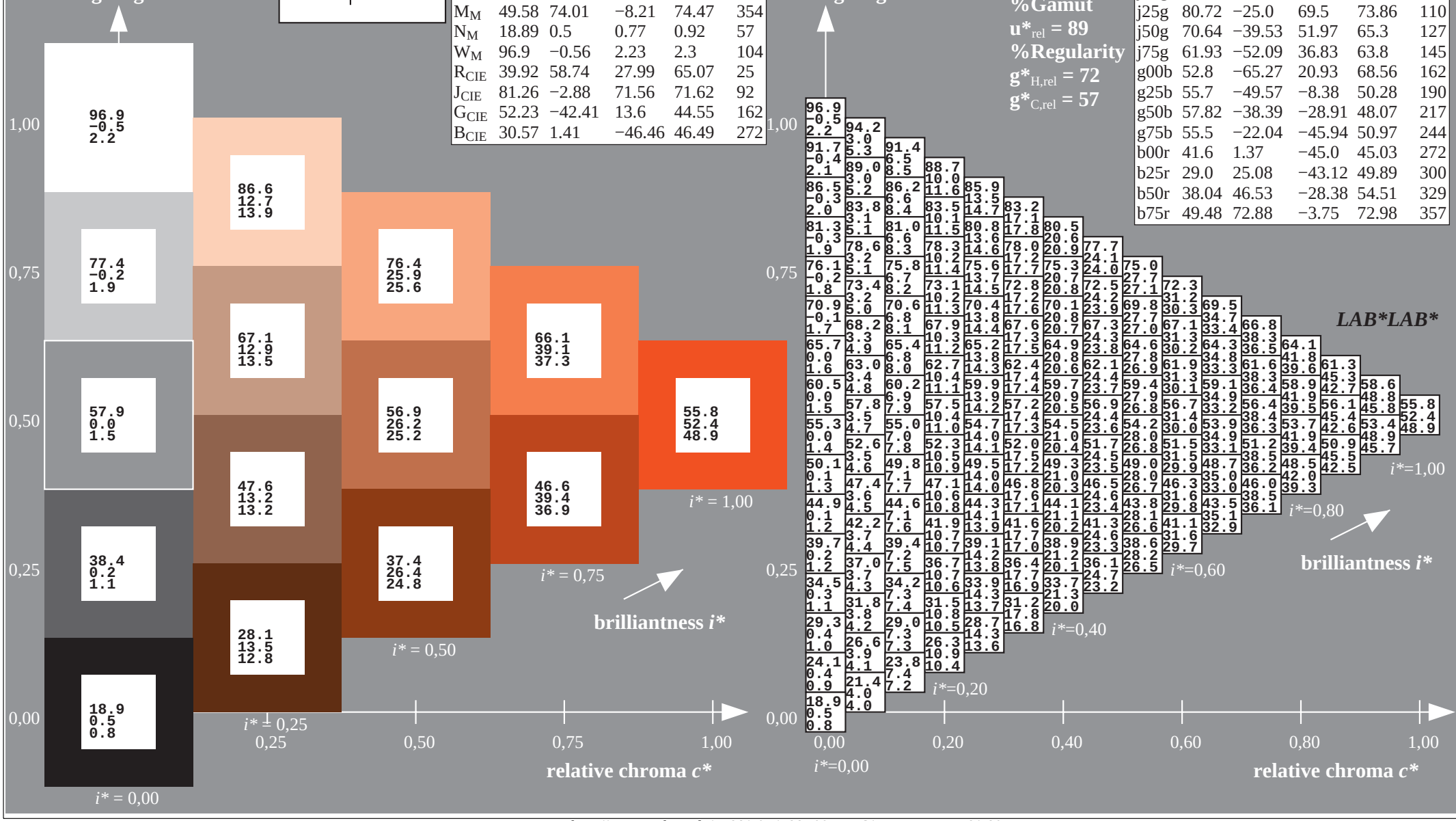
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

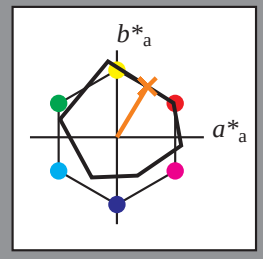
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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



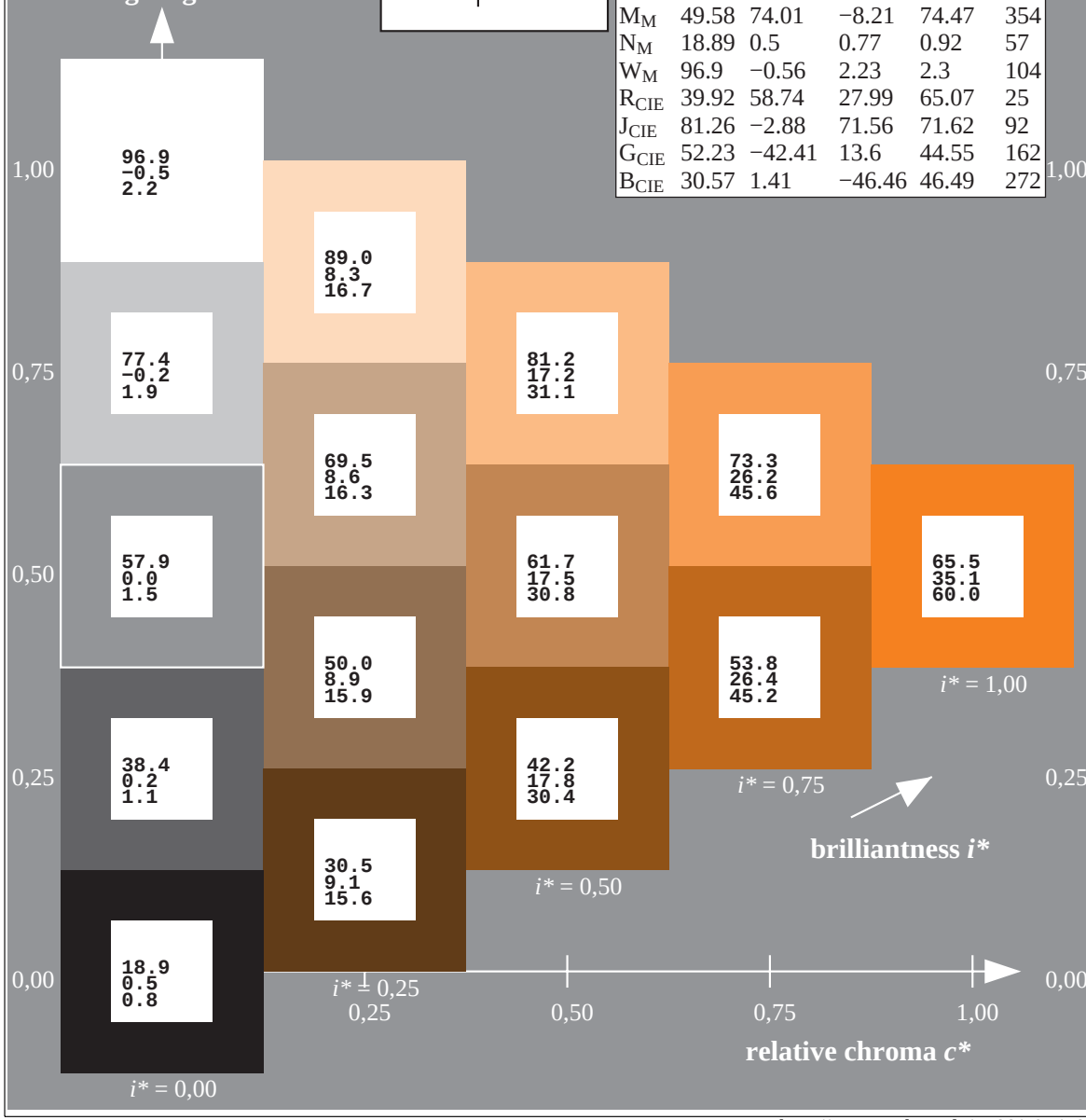
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h^* = lab^*h^* = $h_{ab}/360$ = 59/360 = 0.164 *u* = r50j* *LAB*LAB**

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
u = r50j*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

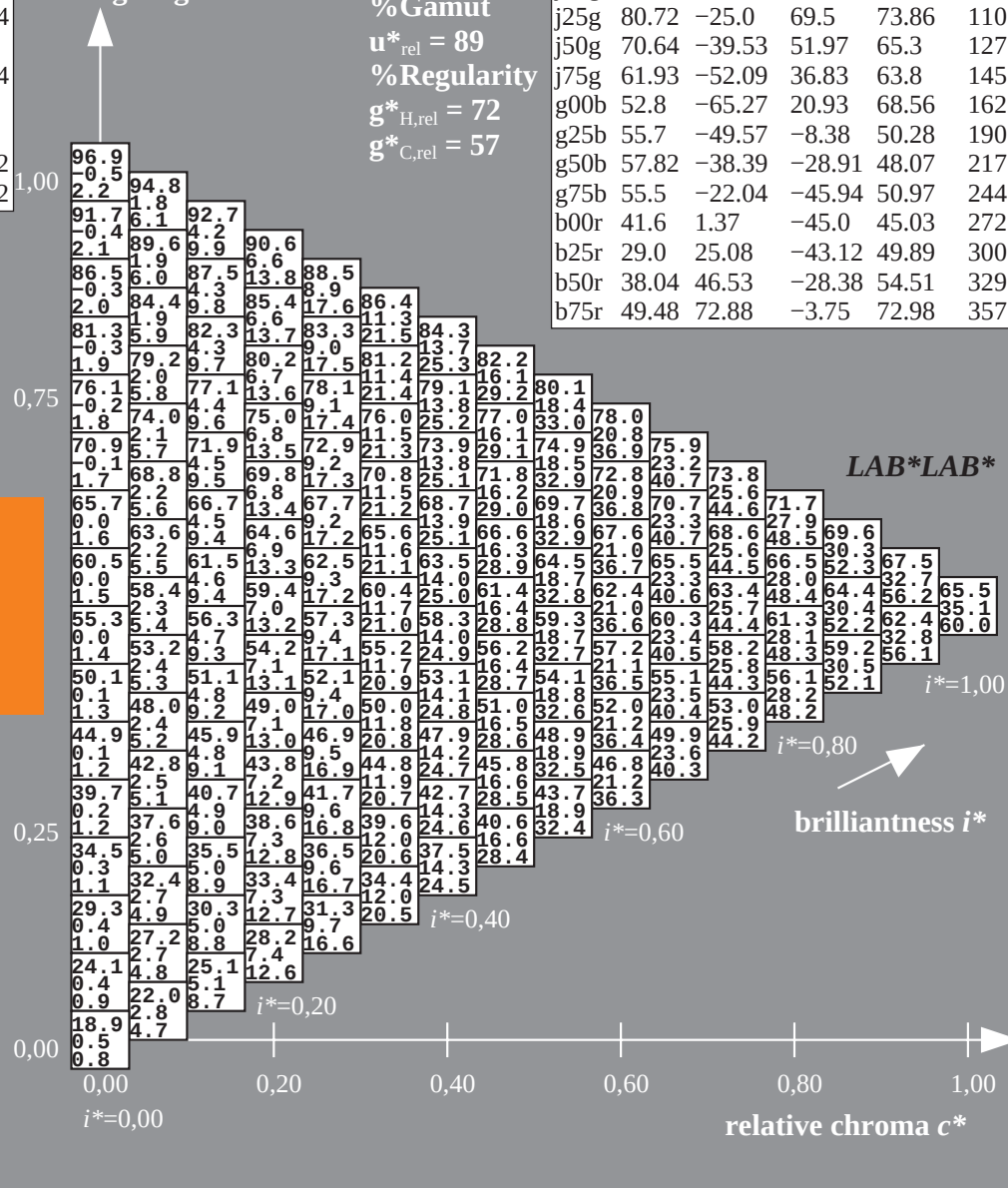


Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 65 35 58
*LAB*LCH**$_{Ma}$: 65 68 59
*lab*rgb**$_{Ma}$: 1.0 0.5 0.0
*lab*olv**$_{Ma}$: 1.0 0.4 0.0
triangle lightness *t**

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

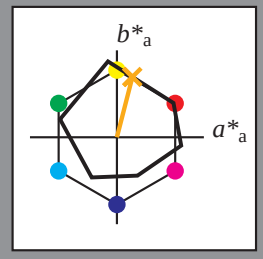
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



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

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
u = r75j*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

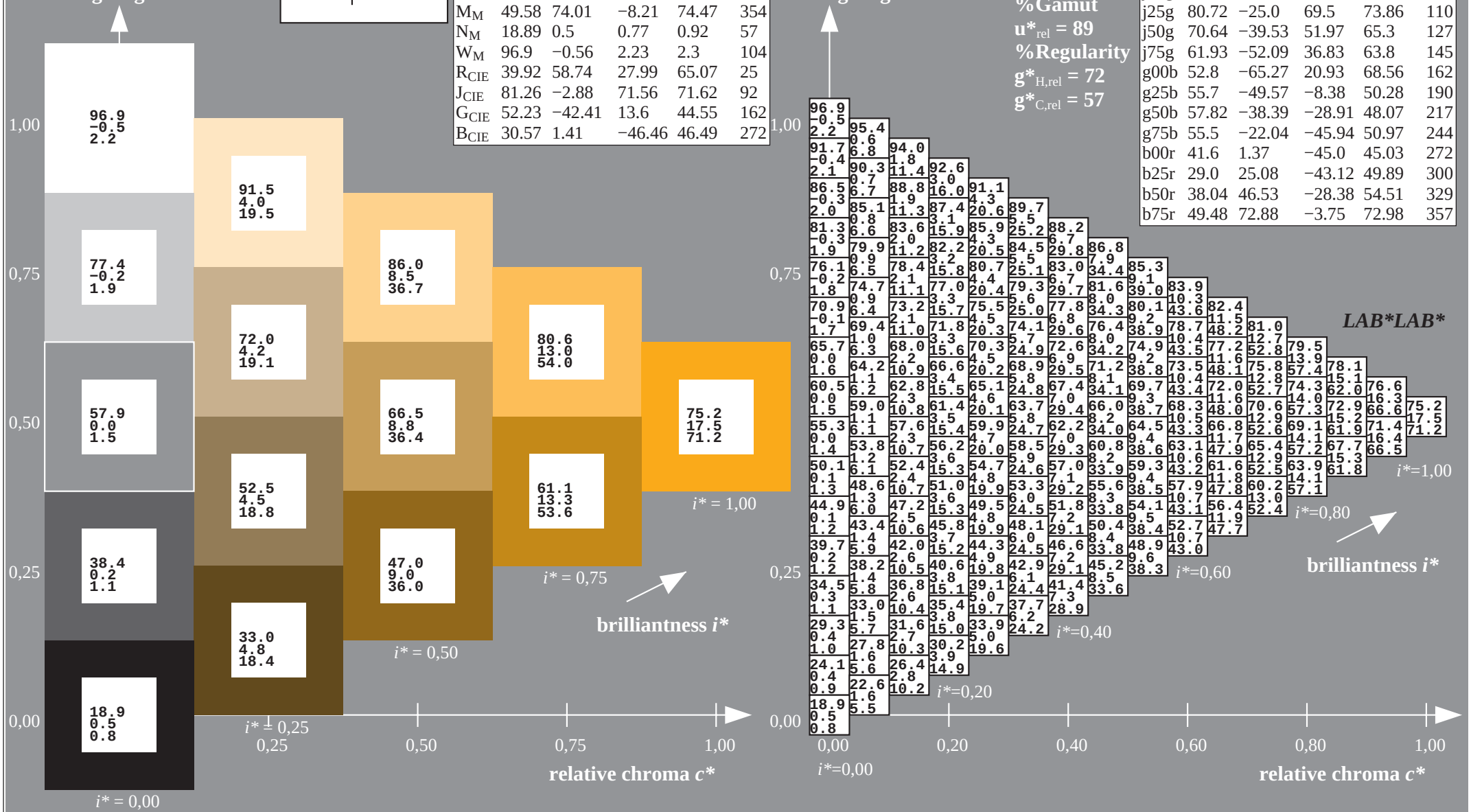
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 75 18 69
*LAB*LCH**$_{Ma}$: 75 72 76
*lab*rgb**$_{Ma}$: 1.0 0.75 0.0
*lab*olv**$_{Ma}$: 1.0 0.63 0.0
triangle lightness *t**

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

u = r75j*
*LAB*LAB**

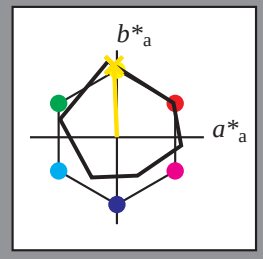
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h^*_{ab} = 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

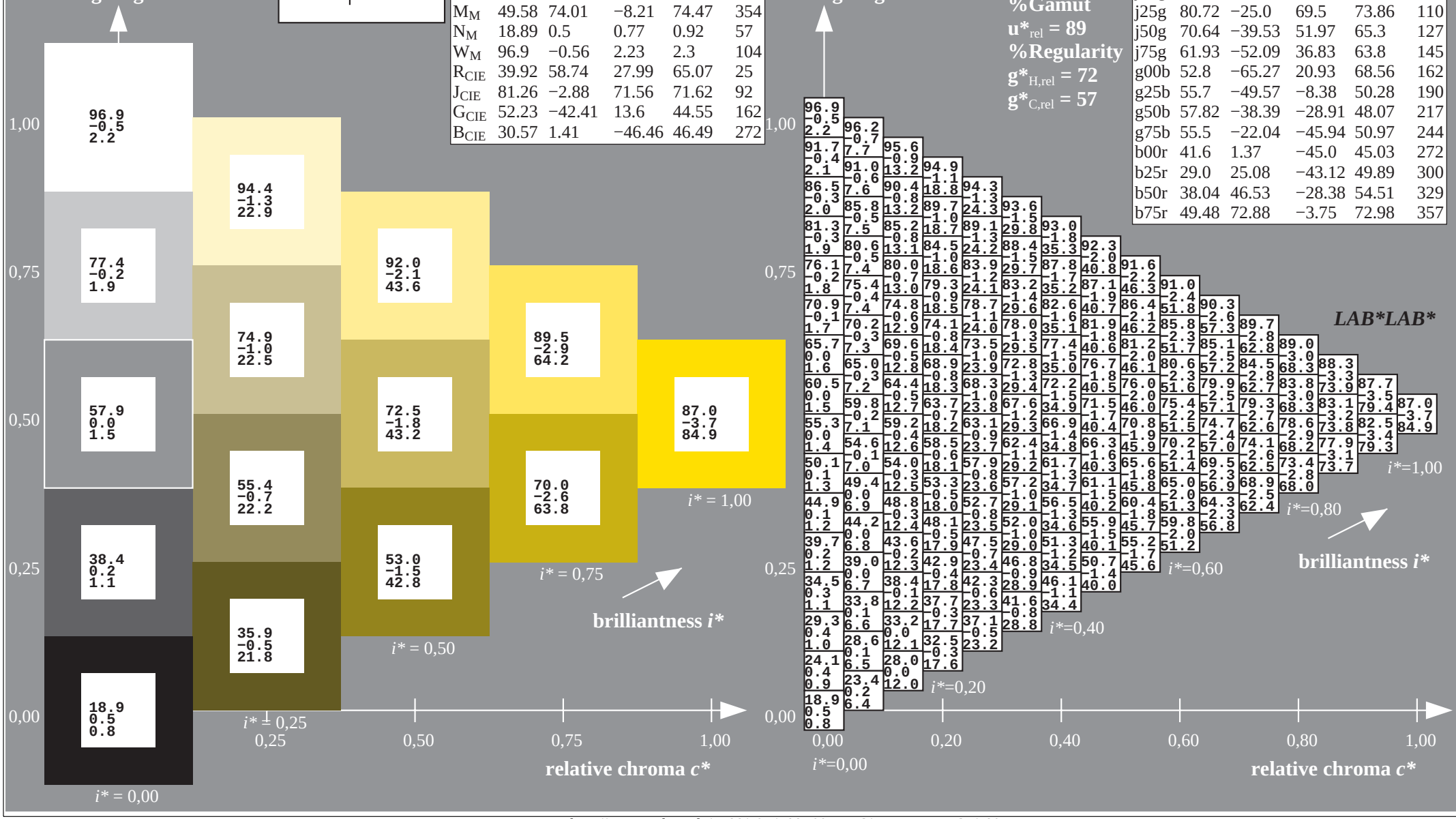
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

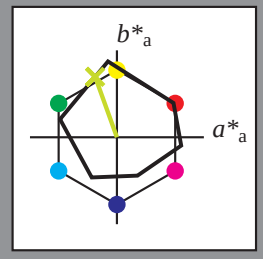
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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



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

u = j25g*
*LAB*LAB**

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
u = j25g*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96; CIELAB data

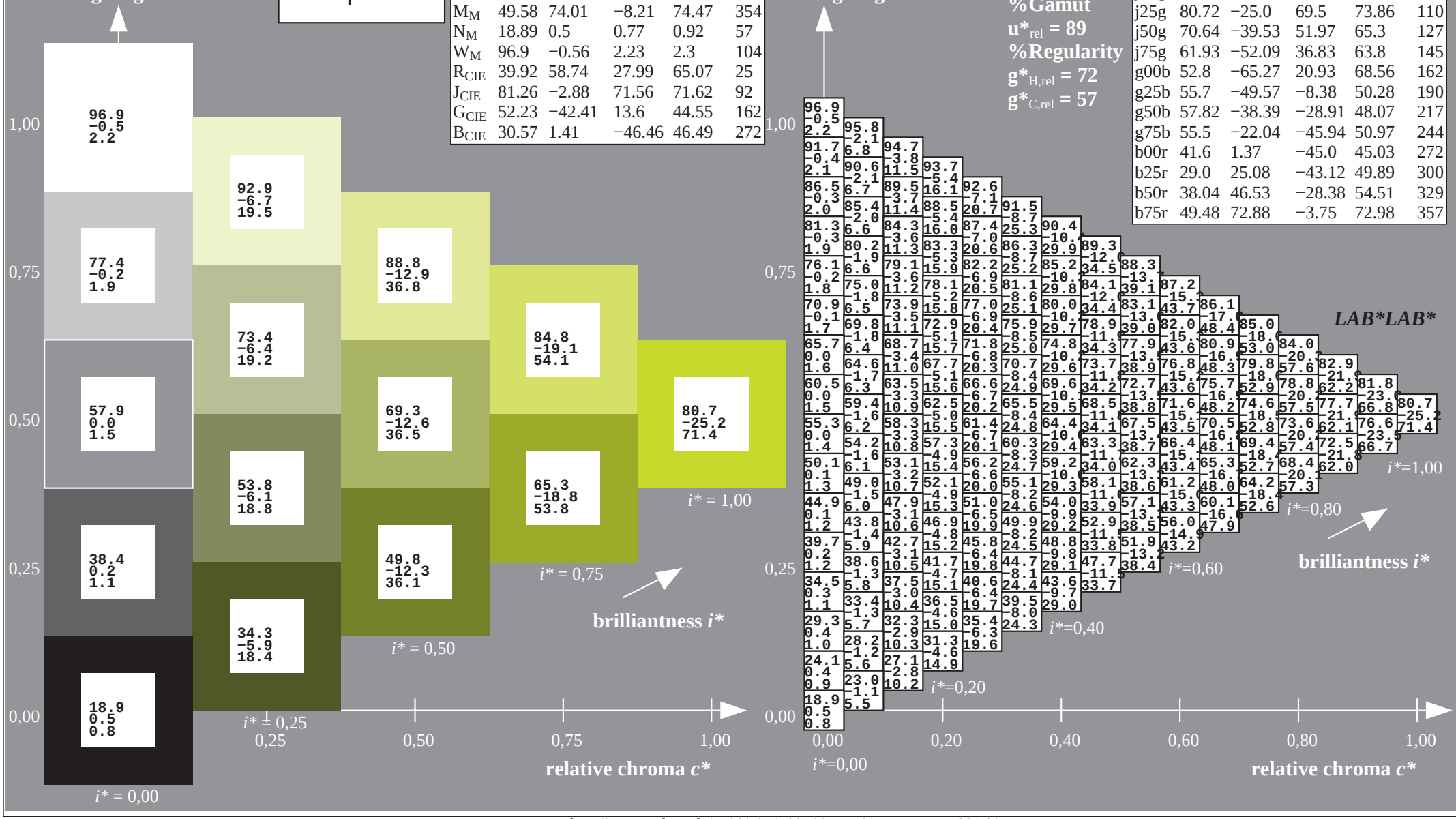
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 81 −24 69
$LAB^*LCH^*_{Ma}$: 81 74 110
$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0
$lab^*olv^*_{Ma}$: 0.73 1.0 0.0
triangle lightness *t**

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

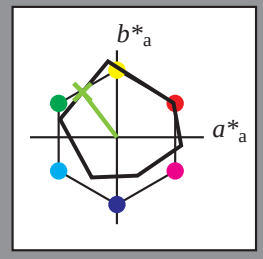
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$ *u* = j50g* *LAB*LAB**

data for any colour:
*lab*tch** **and** *lab*icu**
elementary hue text:
u = j50g*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS19_96; CIELAB data

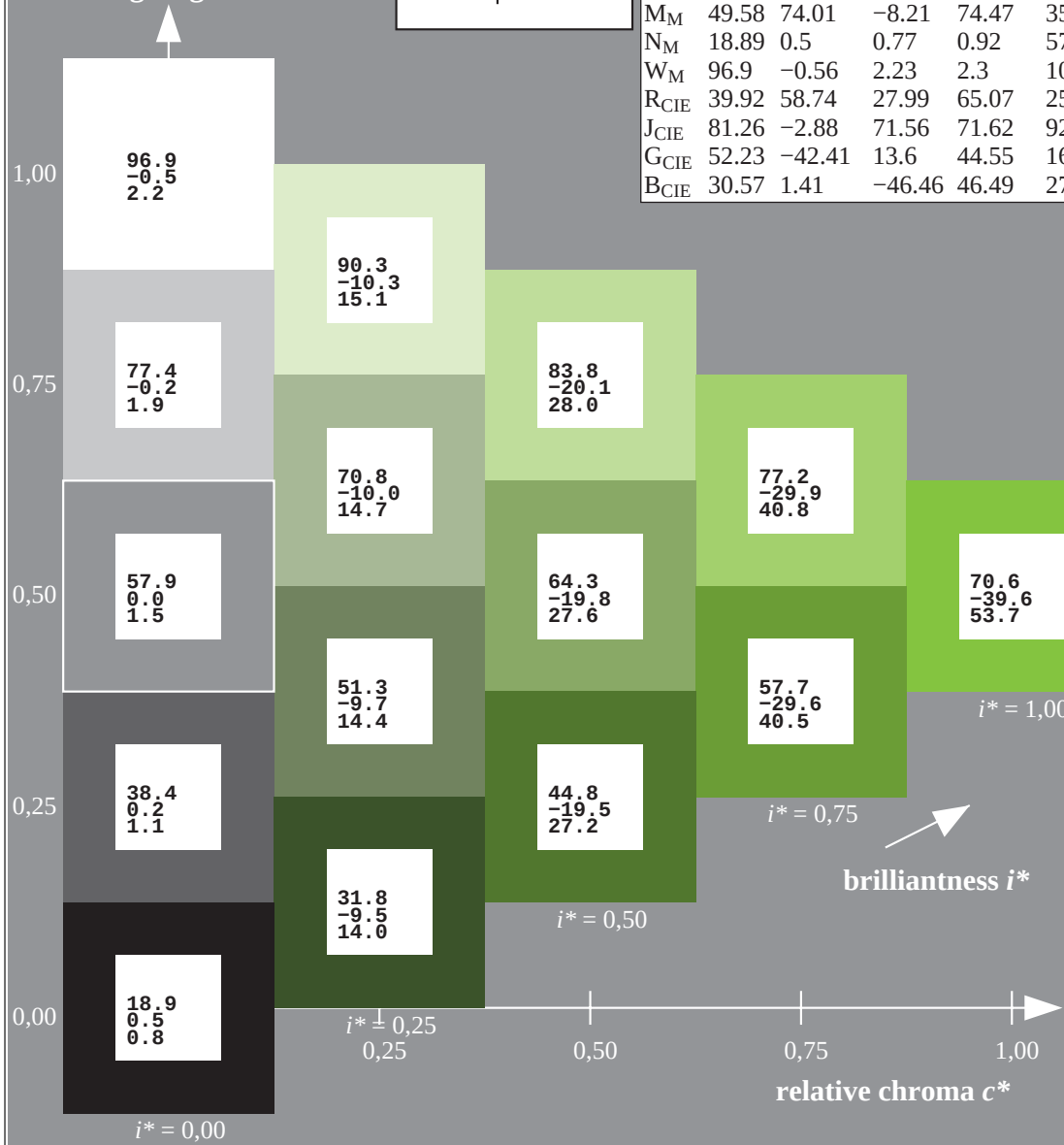
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

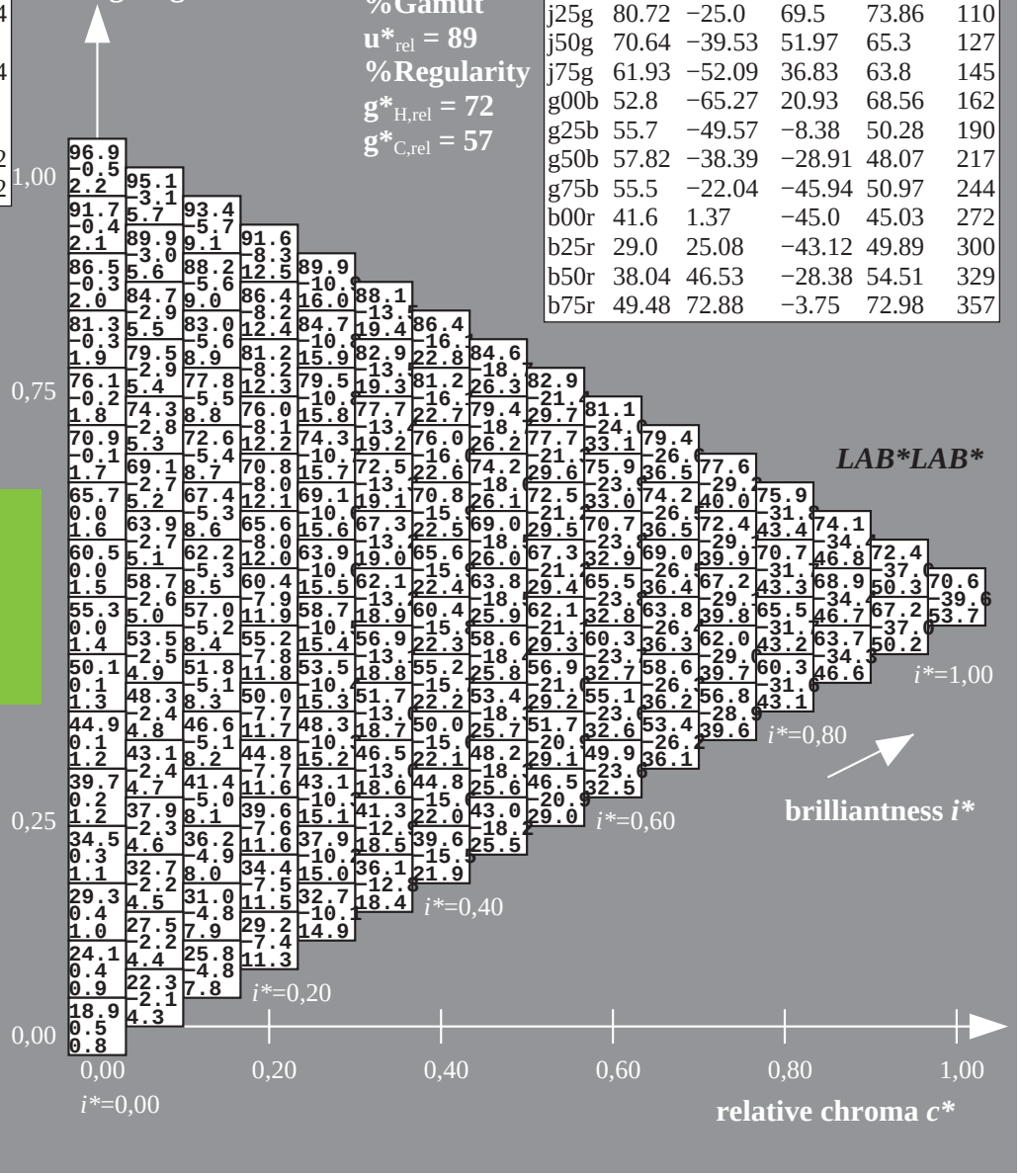
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 71 −39 52**
***LAB*LCH*Ma*: 71 65 127**
***lab*rgb*Ma*: 0.5 1.0 0.0**
***lab*olv*Ma*: 0.47 1.0 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

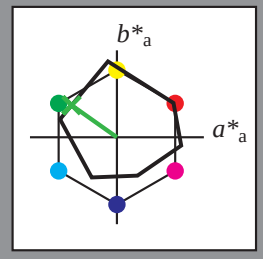




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h^* = lab^*h^* = $h_{ab}/360$ = 145/360 = 0.402 *u* = j75g*

*LAB*LAB**

data for any colour:
*lab*tch** **and** *lab*icu**
elementary hue text:
u = j75g*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96; CIELAB data

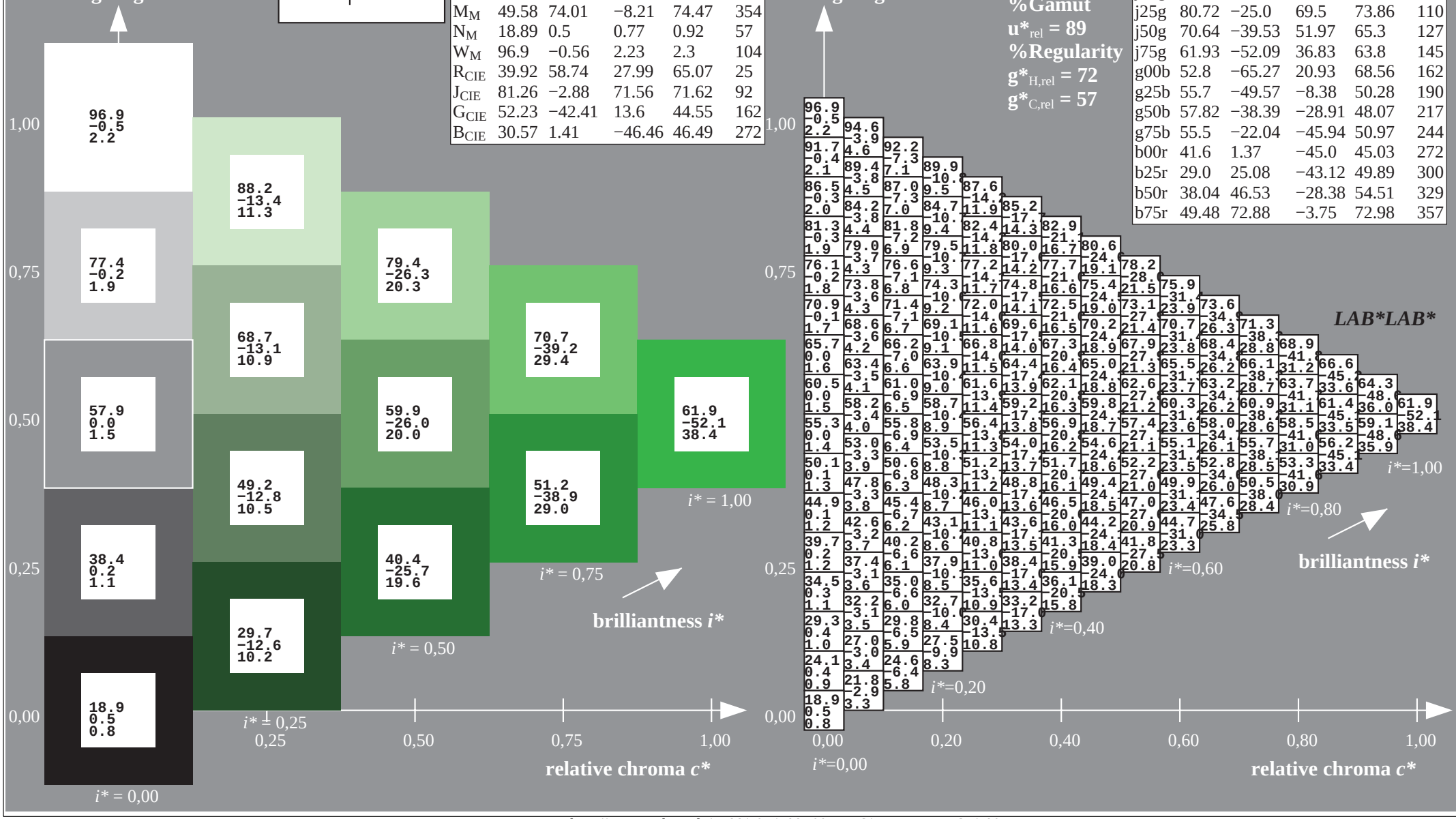
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 62 −51 37**
***LAB*LCH*Ma*: 62 64 145**
***lab*rgb*Ma*: 0.25 1.0 0.0**
***lab*olv*Ma*: 0.24 1.0 0.0**
triangle lightness *t**

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

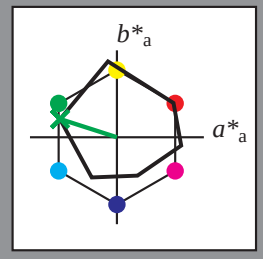
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



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

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
u = g00b*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96; CIELAB data

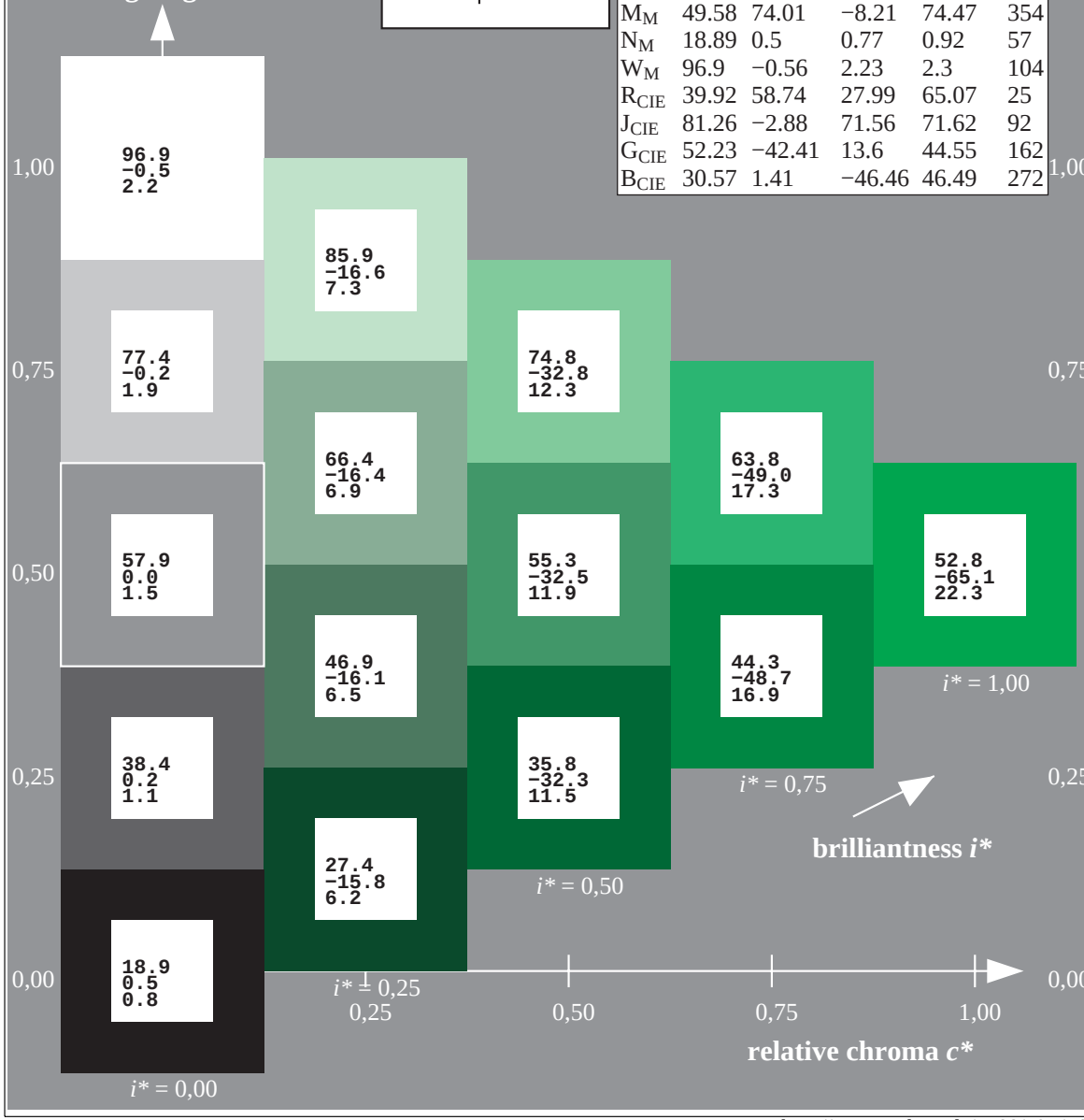
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

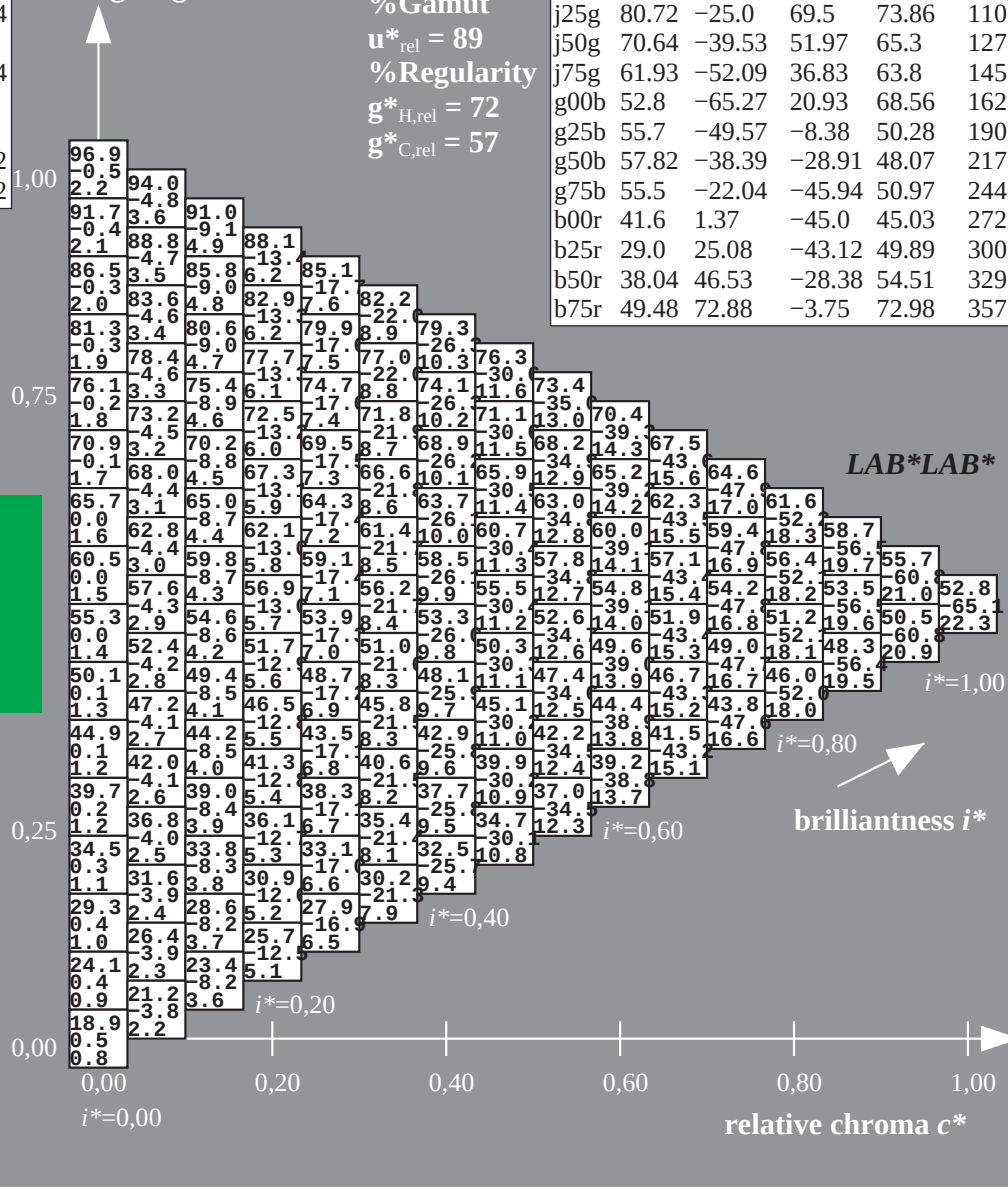
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 53 −64 21**
***LAB*LCH*Ma*: 53 69 162**
***lab*rgb*Ma*: 0.0 1.0 0.0**
***lab*olv*Ma*: 0.0 1.0 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

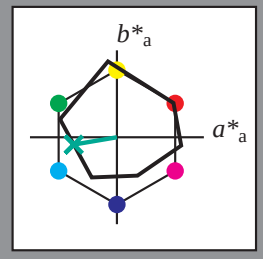
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357





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

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
u = g25b*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

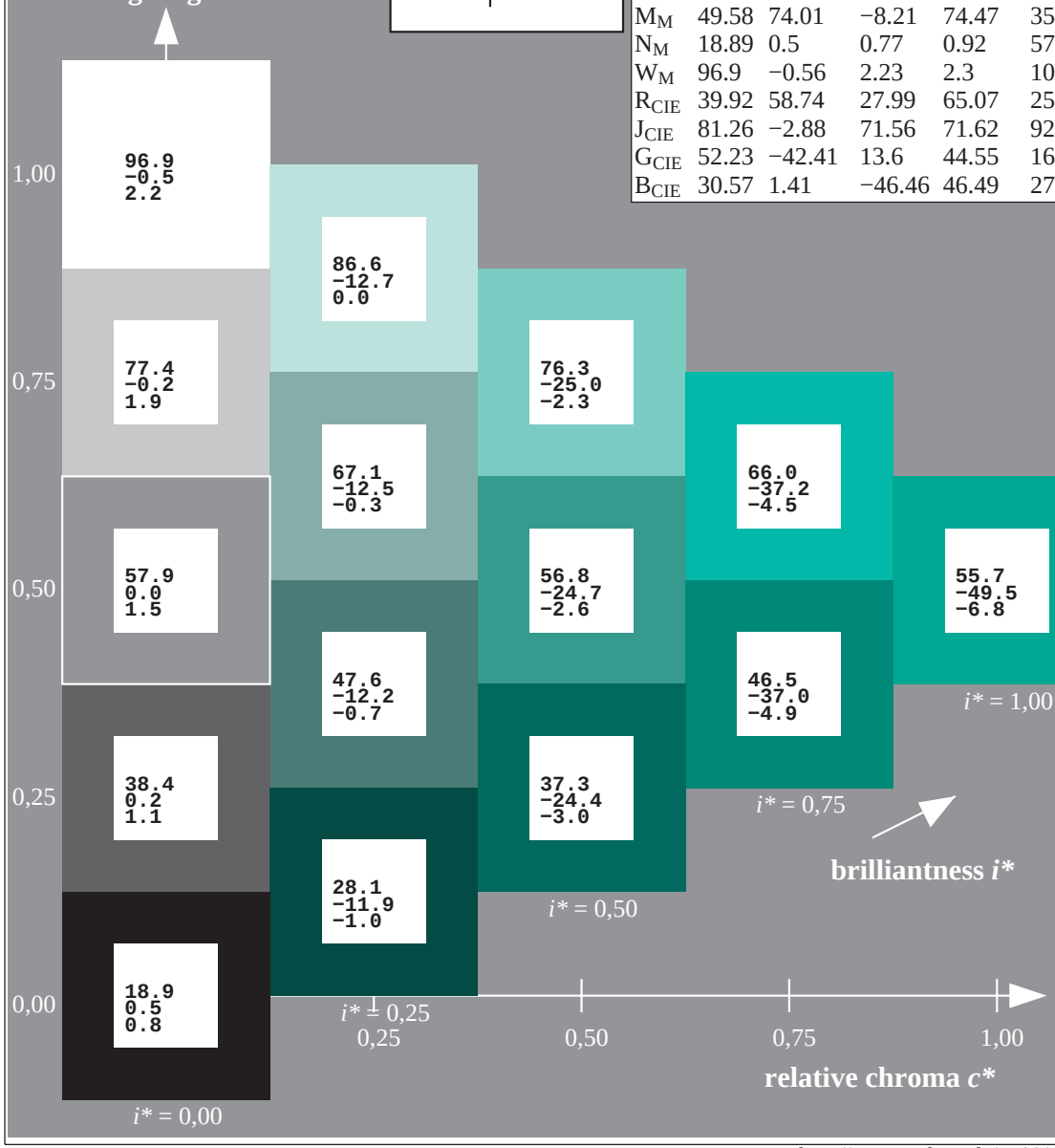
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 56 −49 −7**
***LAB*LCH*Ma*: 56 50 190**
***lab*rgb*Ma*: 0.0 1.0 0.5**
***lab*olv*Ma*: 0.0 1.0 0.44**
triangle lightness *t**

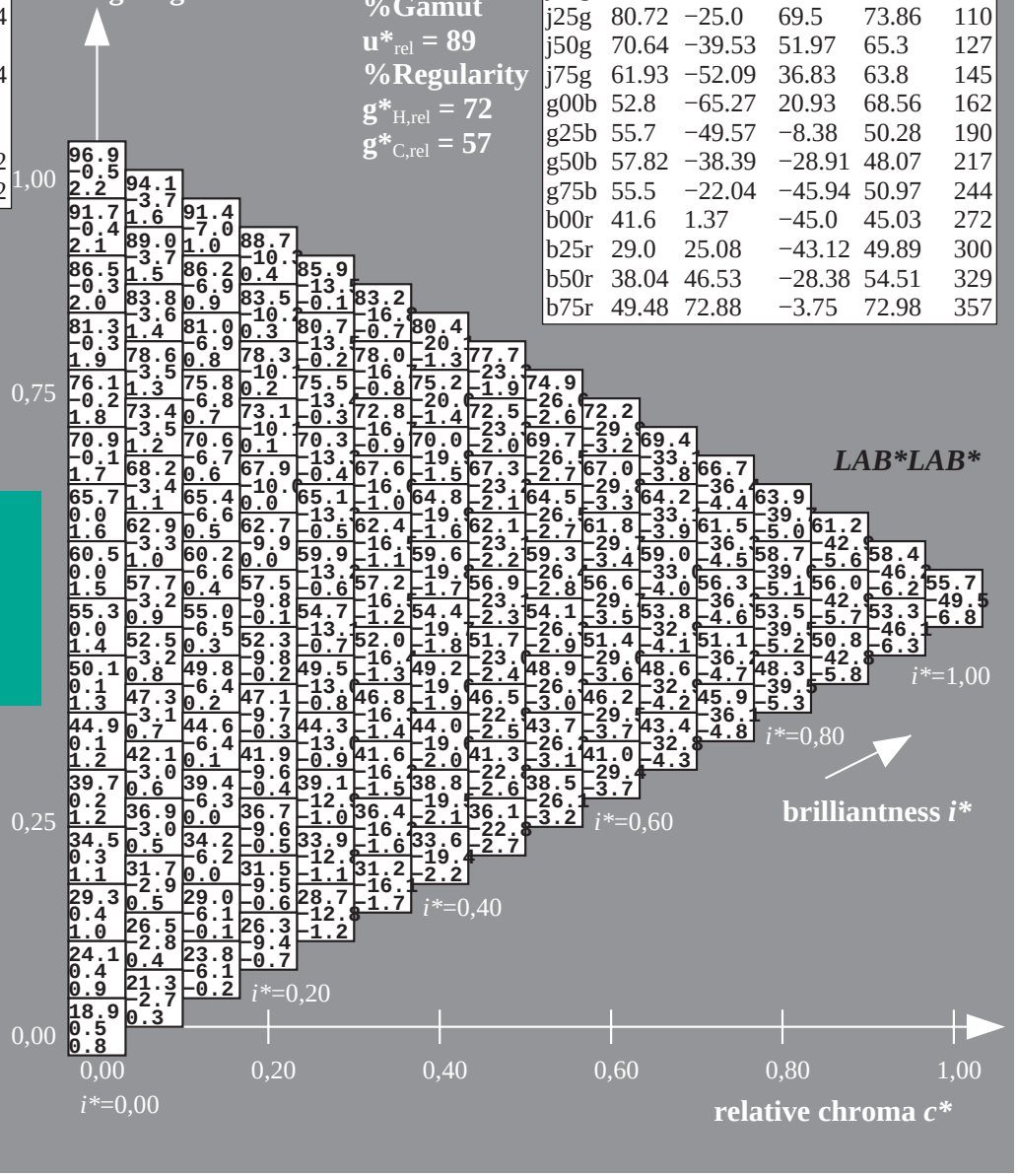
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u = g25b*
LAB*LAB*

ORS19_96a; adapted (a) CIELAB data

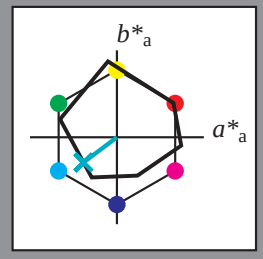
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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^* = $h_{ab}/360$ = 217/360 = 0.603 — ***u* = g50b LAB*LAB****

data for any colour:
lab*tch **and** ***lab*icu****
elementary hue text:
u* = g50b
contrast reduction factor:
c_R = 1.0
triangle lightness ***t****



ORS19_96; CIELAB data

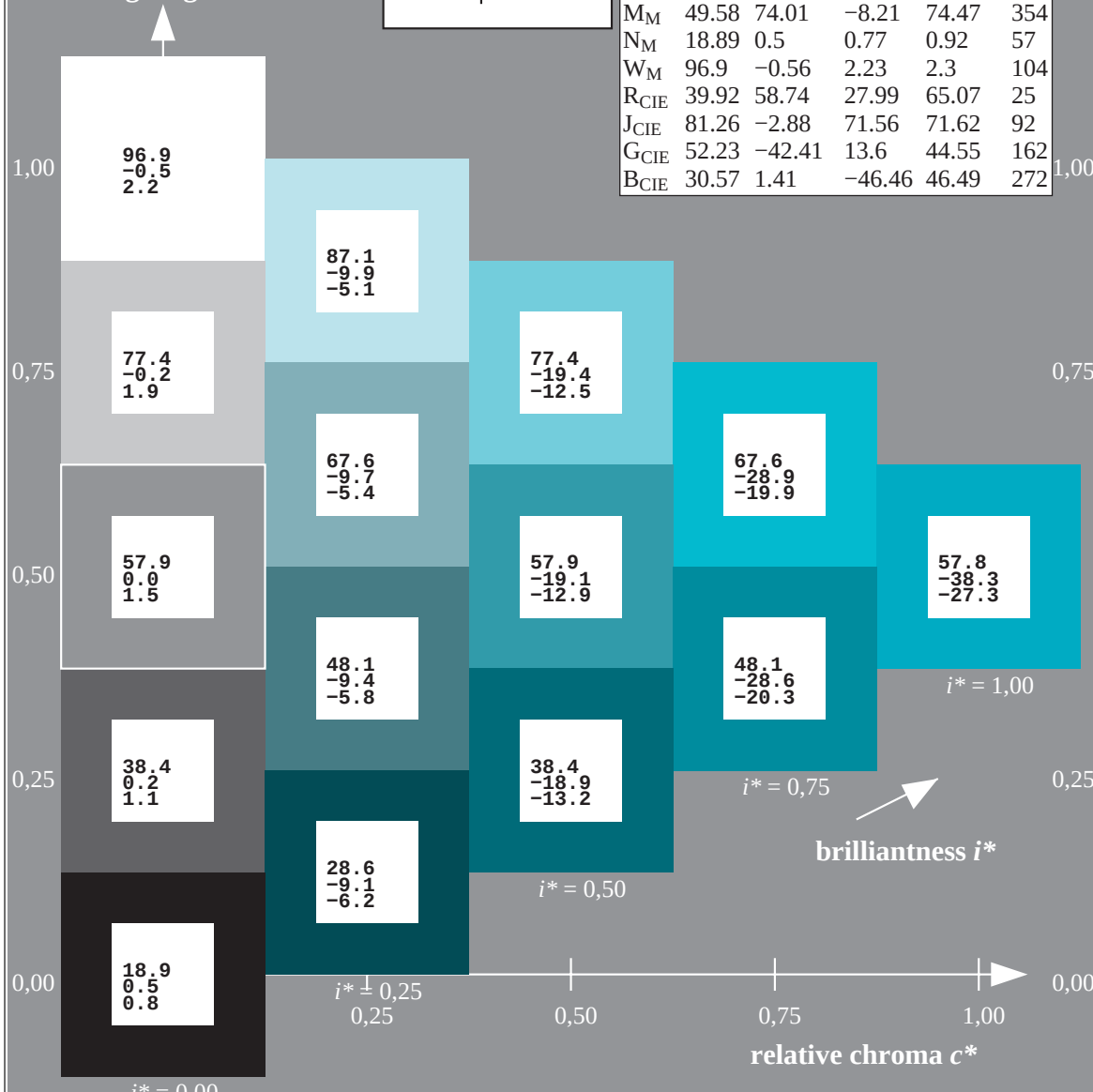
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

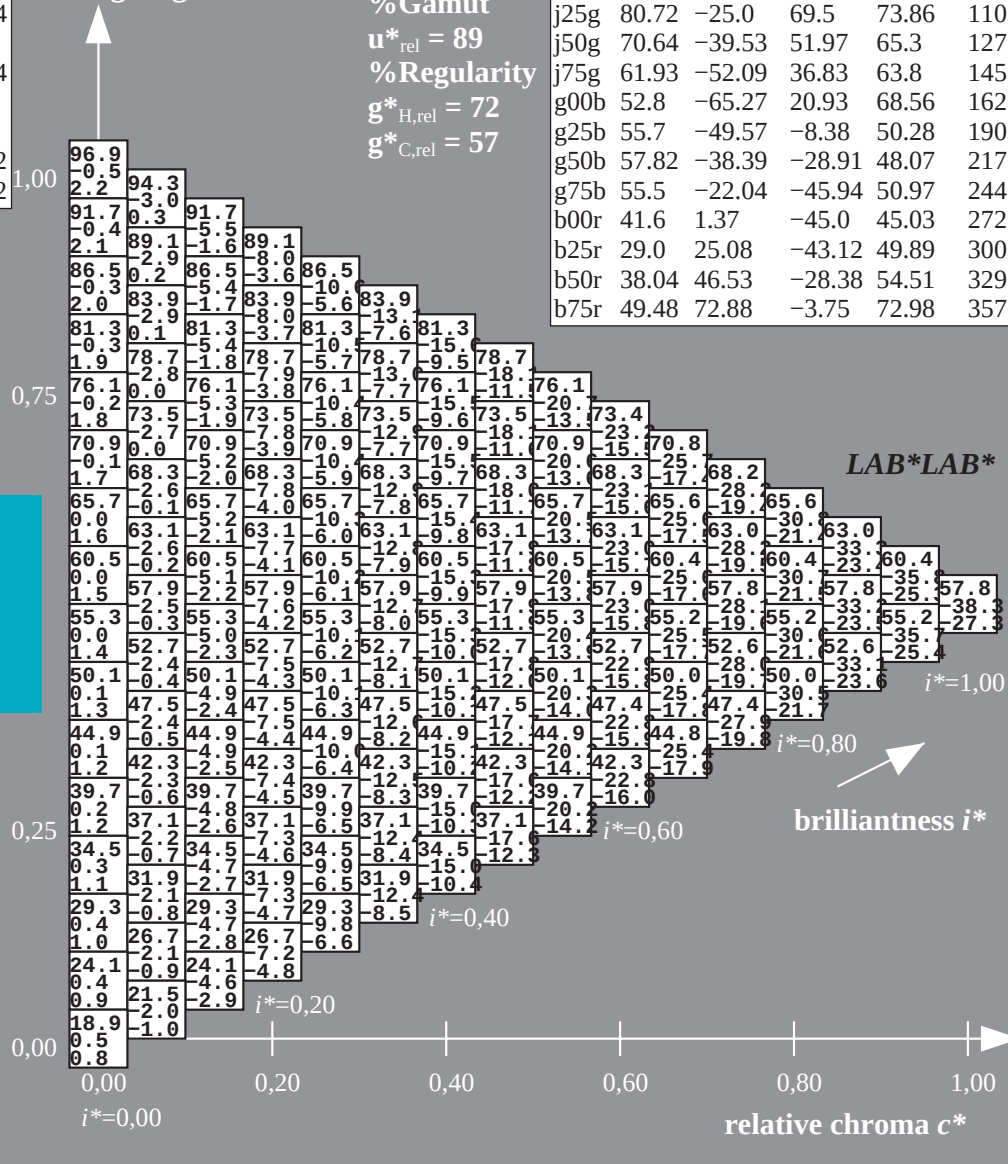
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 58 −37 −28
LAB*LCH*$_{Ma}$: 58 48 217
lab*rgb*$_{Ma}$: 0.0 1.0 1.0
lab*olv*$_{Ma}$: 0.0 1.0 0.74
triangle lightness ***t****

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

ORS19_96a; adapted (a) CIELAB data

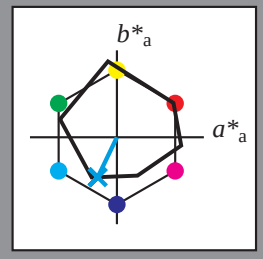
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357





Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$ *u* = g75b* *LAB*LAB**

data for any colour:
*lab*tch** **and** *lab*icu**
elementary hue text:
u = g75b*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS19_96; CIELAB data

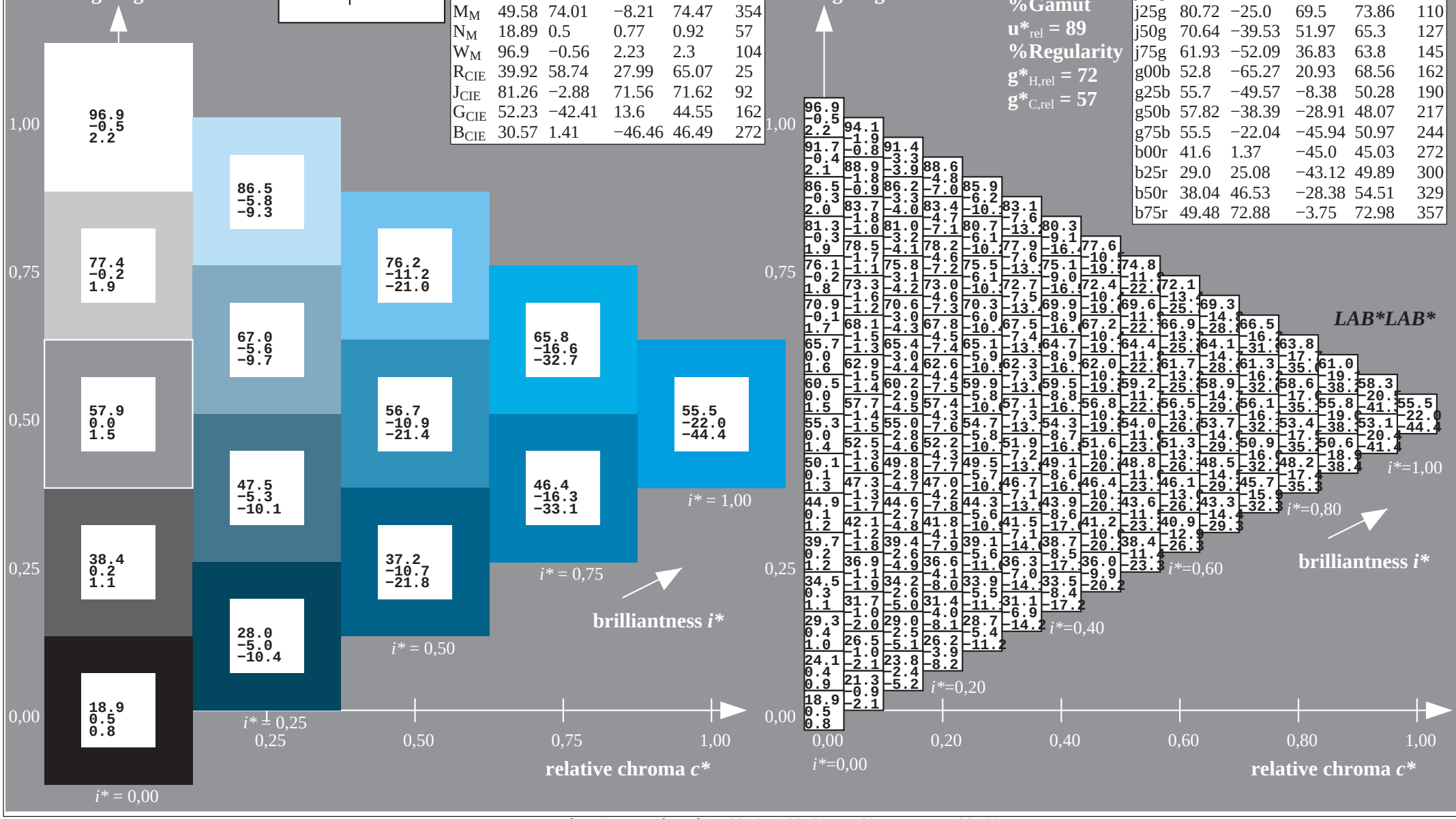
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 55 −21 −45**
***LAB*LCH*Ma*: 55 51 244**
***lab*rgb*Ma*: 0.0 0.5 1.0**
***lab*olv*Ma*: 0.0 0.87 1.0**
triangle lightness *t**

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

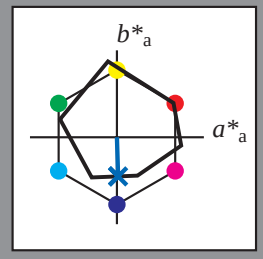
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



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

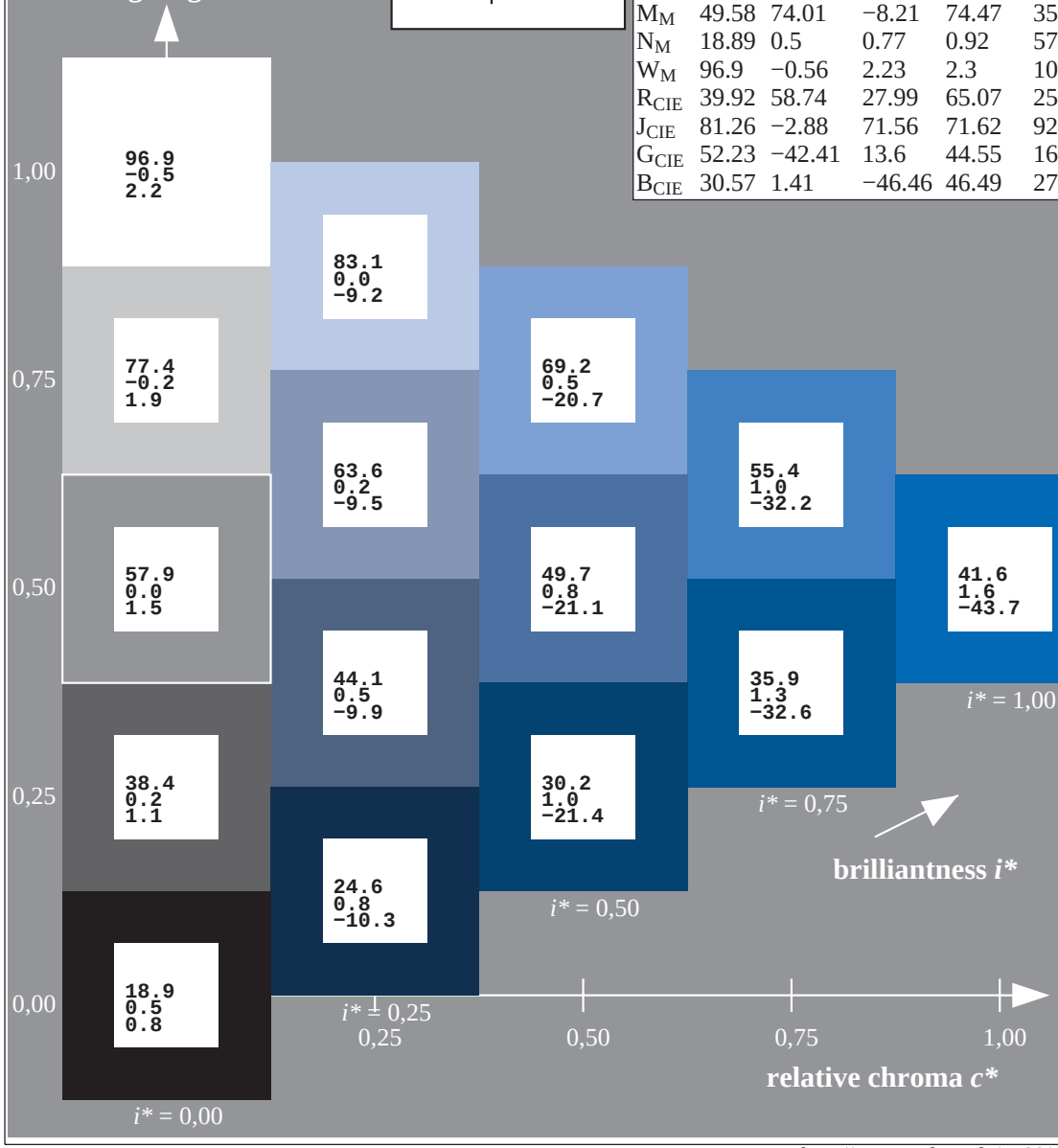
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 1 −44
*LAB*LCH**$_{Ma}$: 42 45 272
*lab*rgb**$_{Ma}$: 0.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.0 0.42 1.0
triangle lightness *t**

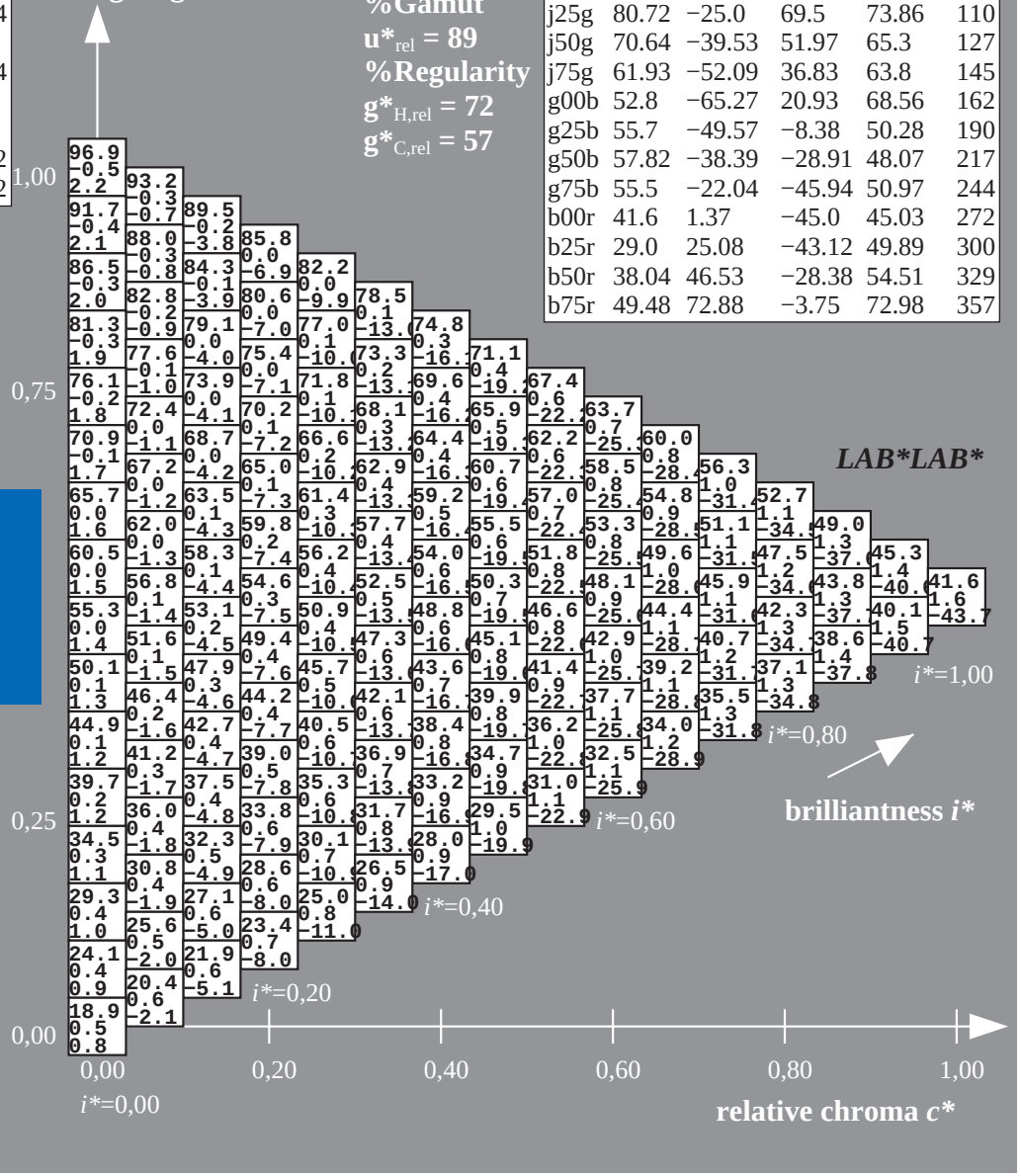
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u = b00r*
*LAB*LAB**

ORS19_96a; adapted (a) CIELAB data

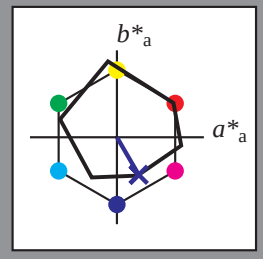
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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^* = $h_{ab}/360$ = 300/360 = 0.834 — ***u* = b25r LAB*LAB****

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

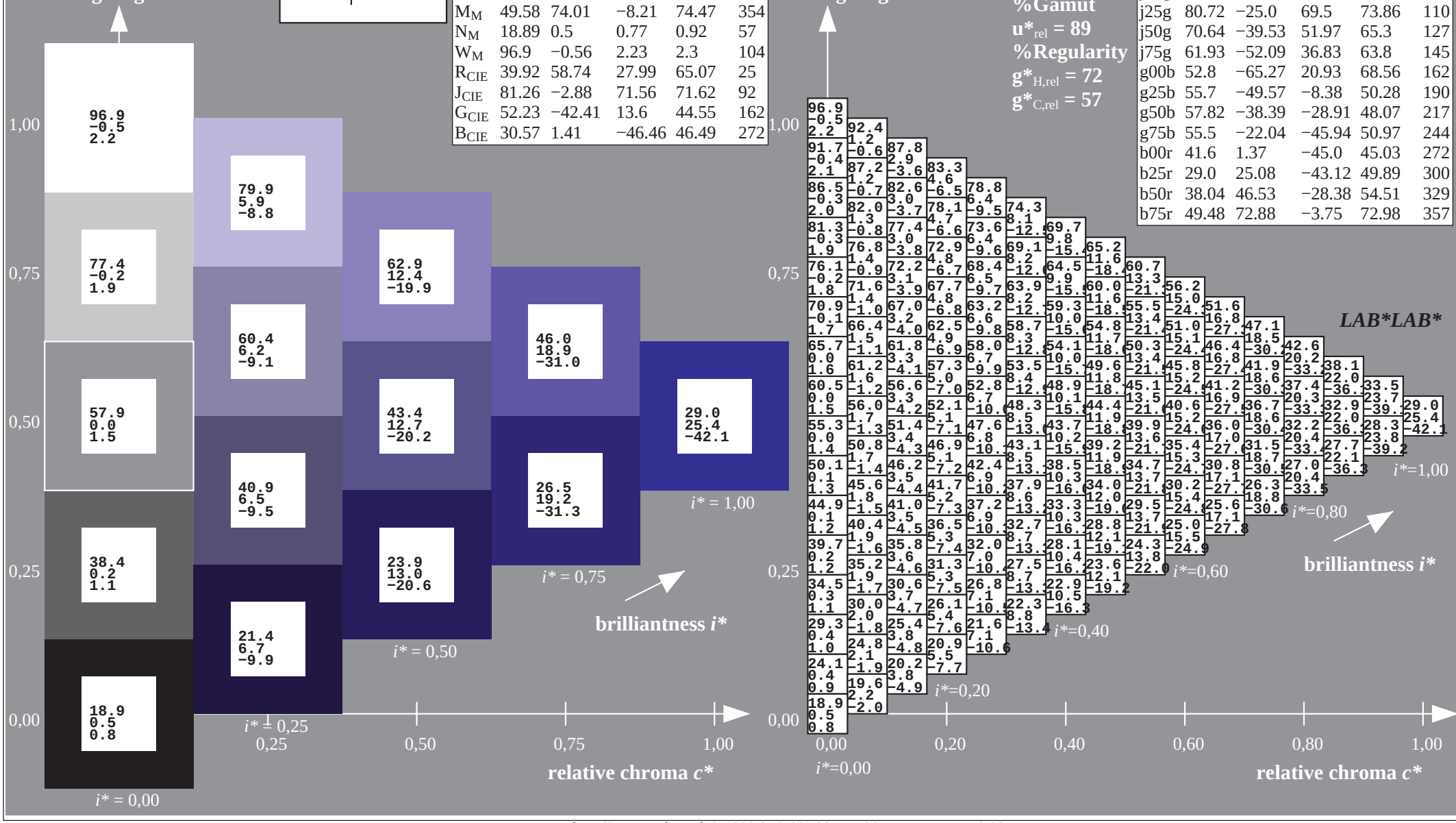
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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 $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$ **$u^* = b50r$**

LAB*LAB*

data for any colour:

lab*tch** and **lab*icu

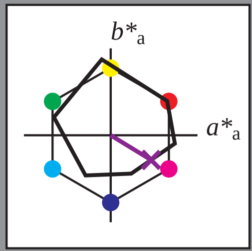
elementary hue text:

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

$u^*_{rel} = 89$

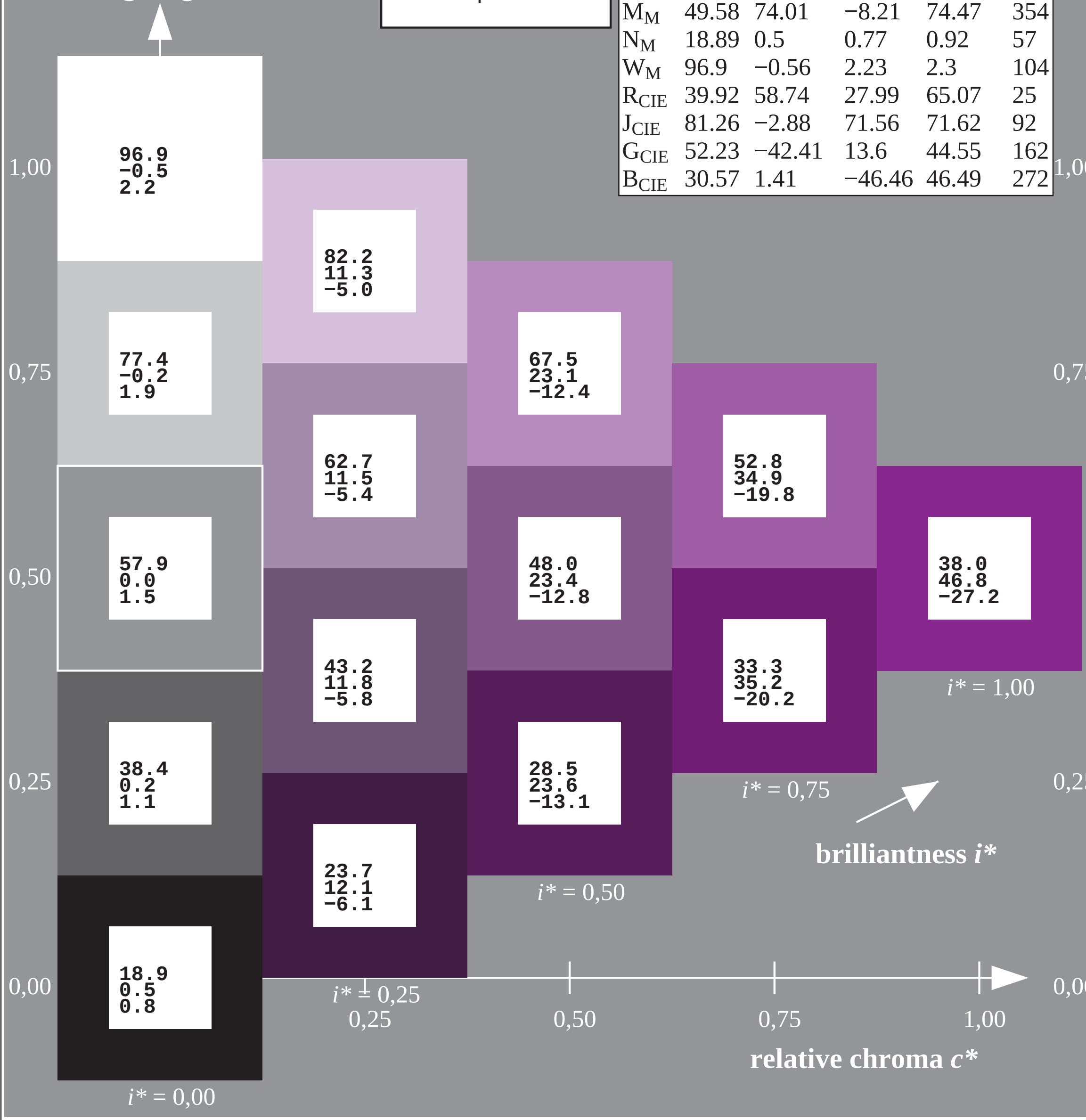
%Regularity

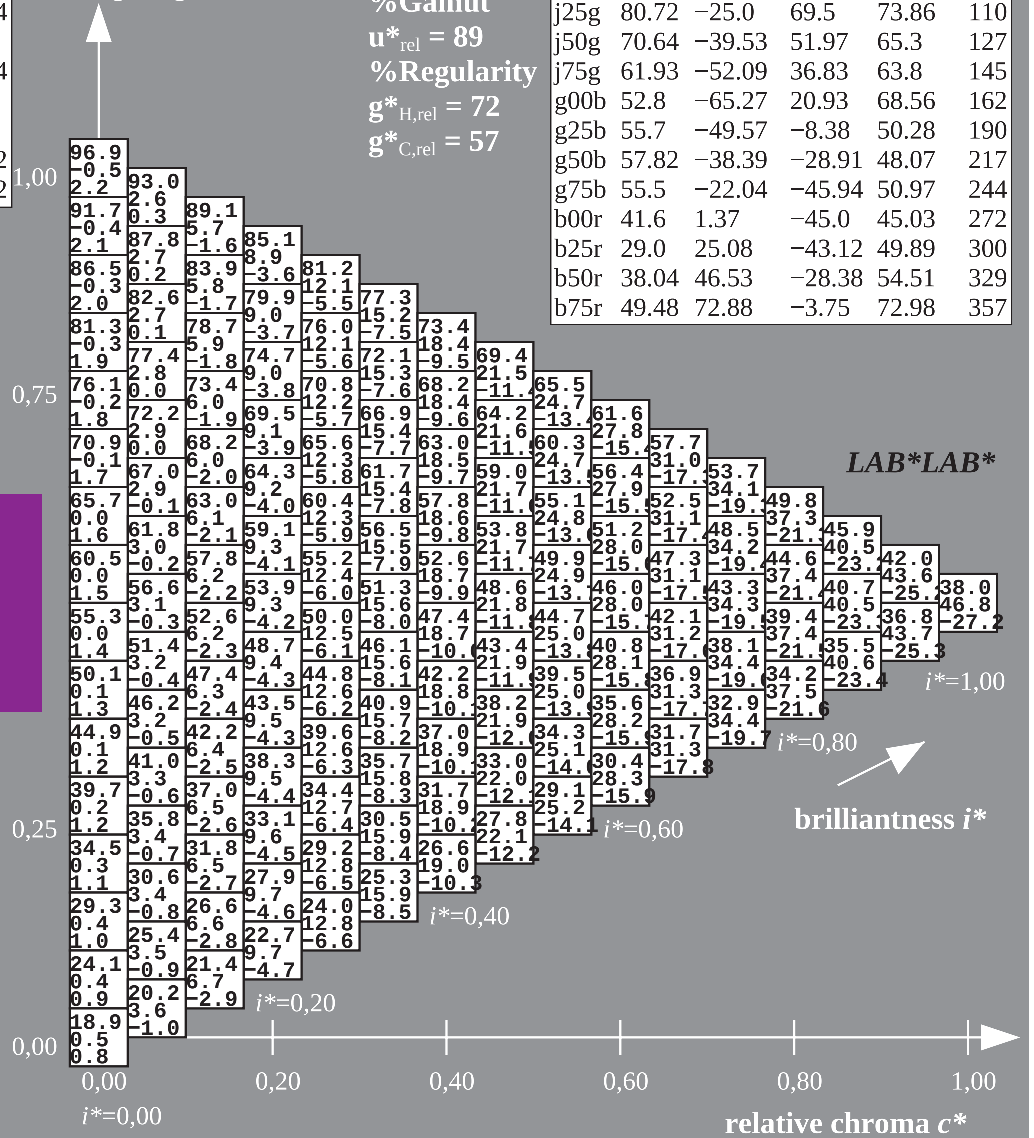
$g^*_{H,rel} = 72$

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

ORS19_96a; adapted (a) CIELAB data

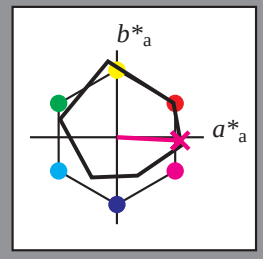
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357





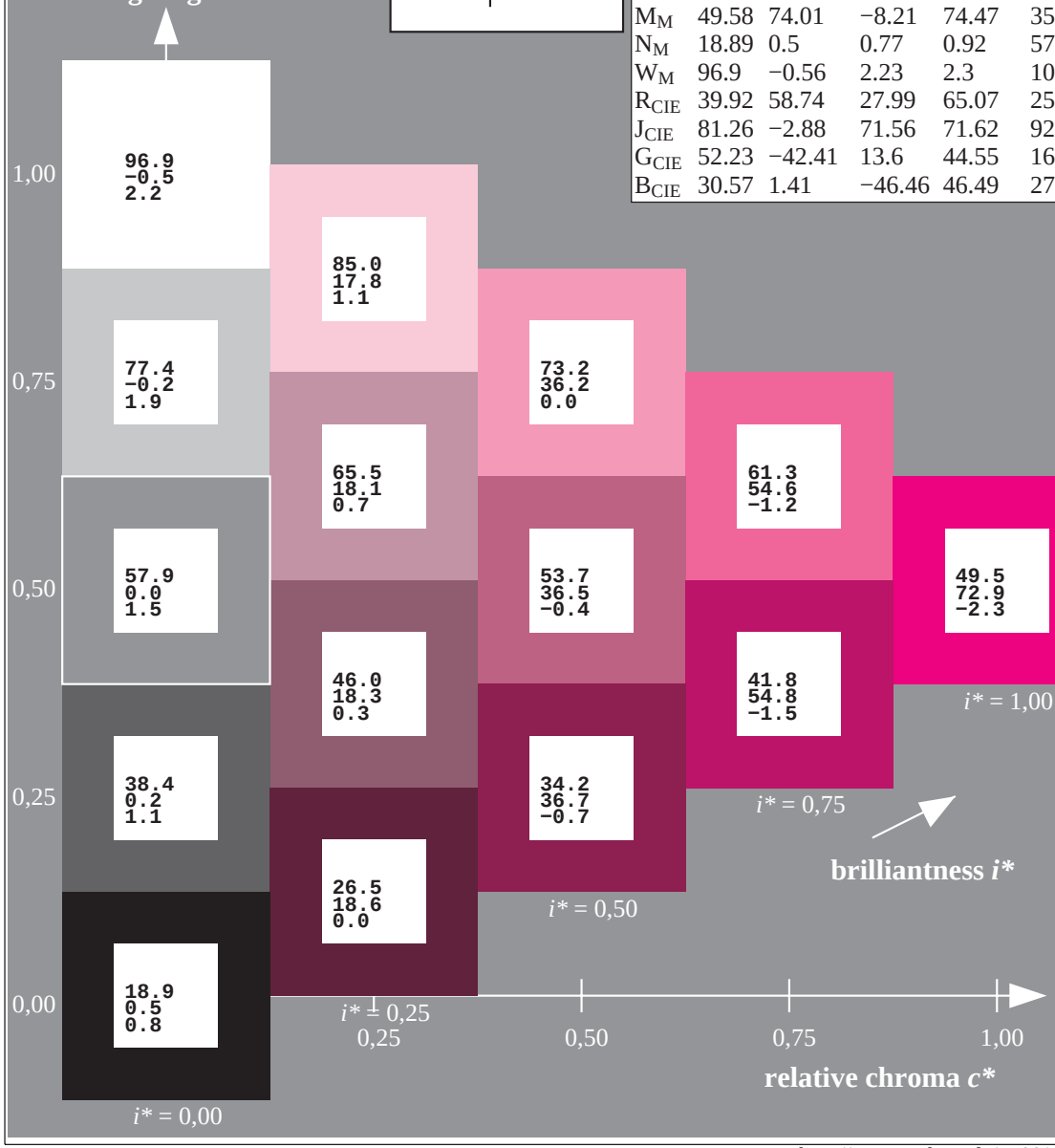
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h^* = lab^*h^* = $h_{ab}/360$ = 357/360 = 0.992 — ***u* = b75r LAB*LAB****

data for any colour:
lab*tch **and** ***lab*icu****
elementary hue text:
u* = b75r
contrast reduction factor:
c_R = 1.0
triangle lightness ***t****



ORS19_96; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

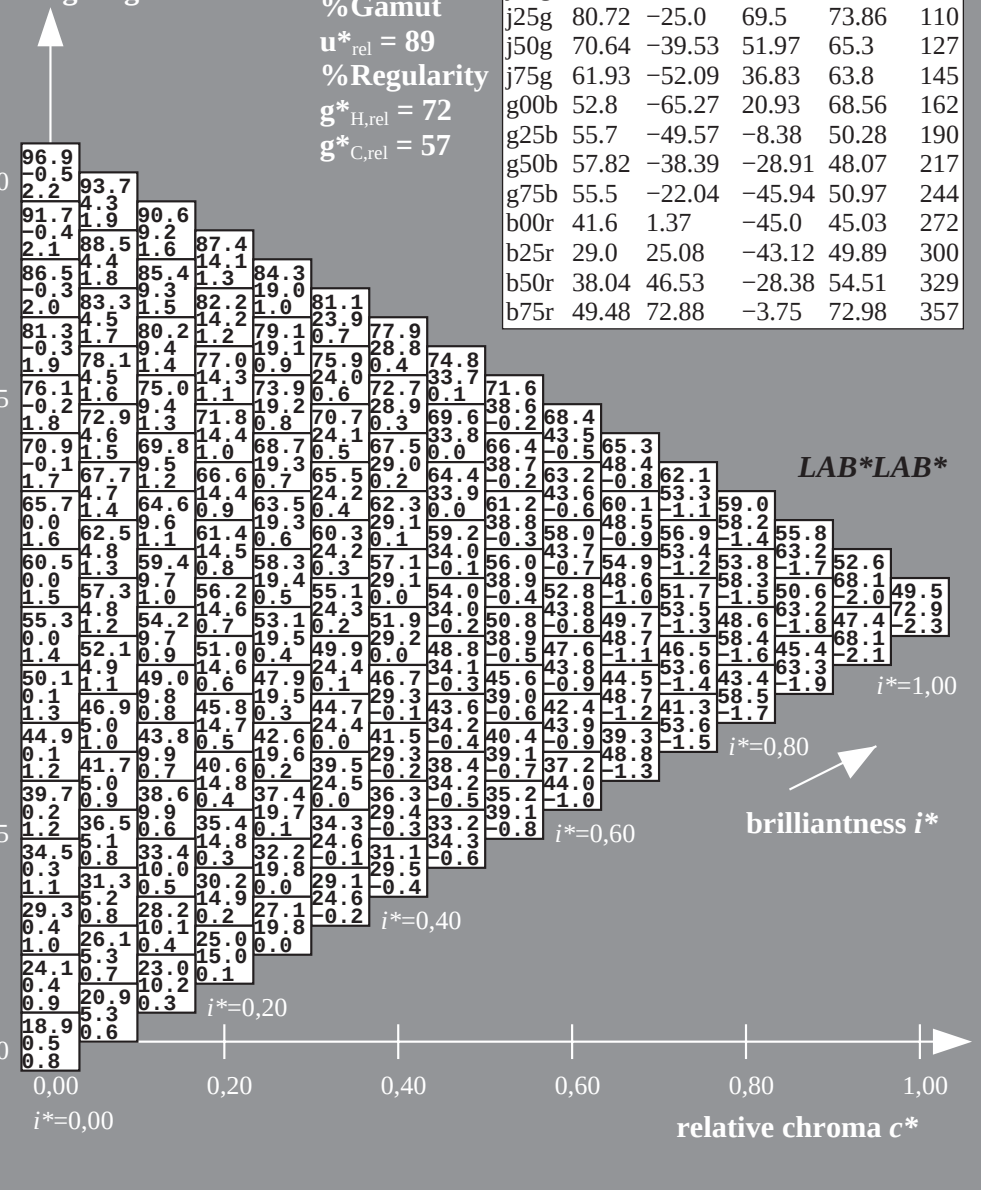


Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 49 73 −3
LAB*LCH*$_{Ma}$: 49 73 357
lab*rgb*$_{Ma}$: 1.0 0.0 0.5
lab*olv*$_{Ma}$: 1.0 0.0 0.88
triangle lightness ***t****

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

ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

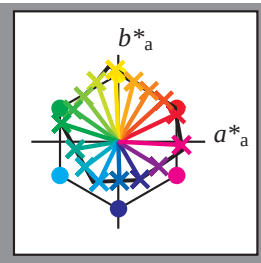


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*		
01	18.9 0.5 0.8	23.1 -7.6 3.4	27.3 -15.9 6.1	31.6 -24.1 8.8	35.8 -32.3 11.5	40.0 -40.6 14.1	44.2 -48.8 16.8	48.5 -57.1 19.5	52.7 -65.3 22.1	22.6 8.6 5.8	27.9 -0.8 11.8	32.1 -9.0 14.5	36.3 -17.3 17.2	40.6 -25.5 19.9	44.8 -33.8 22.5	49.0 -42.0 25.2	53.2 -50.2 27.9	57.5 -58.5 30.5	26.4 16.7 10.8	31.6 7.2 16.8	36.9 -2.2 22.9	41.1 -10.5 25.6	45.3 -18.7 28.3	49.6 -26.9 30.9	53.8 -35.2 33.6	58.0 -43.4 36.3	62.2 -51.6 38.9	96.9 -0.5 2.2	90.9 7.6 7.0	84.9 15.9 11.9	78.8 24.1 16.7	72.8 32.3 21.5	66.8 40.5 26.3	60.8 48.7 31.1	54.8 56.9 35.9	48.8 65.1 40.8	18.9 0.5 0.8	18.9 0.5 0.8	18.9 0.5 0.8	18.9 0.5 0.8
02	20.1 3.4 -4.6	24.0 -3.1 -4.8	28.2 -11.3 -2.1	32.4 -19.6 0.4	36.7 -27.8 3.1	40.9 -36.0 5.8	45.1 -44.3 8.5	49.3 -52.5 11.1	53.6 -60.7 13.8	22.7 9.7 -0.3	28.6 0.4 0.9	32.9 -7.8 3.6	37.1 -16.0 6.3	41.3 -24.2 9.0	45.5 -32.5 11.6	49.8 -40.7 14.3	54.0 -49.0 17.0	58.2 -57.2 19.7	26.5 17.8 4.6	32.4 8.4 6.0	37.6 -0.9 12.0	41.9 -9.2 14.7	46.1 -17.4 17.4	50.3 -25.7 20.0	54.5 -33.9 22.7	58.8 -42.1 25.4	63.0 -50.4 28.1	92.2 -4.0 -3.5	87.2 -0.3 2.0	81.1 7.8 6.9	75.1 16.0 11.7	69.1 24.2 16.5	63.1 32.4 21.3	57.1 40.6 26.1	51.0 48.9 30.9	45.0 57.1 35.8	28.6 0.4 0.9	28.6 0.4 0.9	28.6 0.4 0.9	28.6 0.4 0.9
03	21.3 6.4 -10.1	25.2 -0.2 -10.3	29.1 -6.8 -10.5	33.3 -15.0 -7.8	37.5 -23.3 -5.1	41.7 -31.5 -2.5	46.0 -39.7 0.1	50.2 -48.0 2.8	54.4 -56.2 5.4	23.9 12.6 -5.7	29.8 3.3 -4.4	33.7 -3.2 -4.6	38.0 -11.5 -2.0	42.2 -19.7 0.6	46.4 -27.9 3.3	50.6 -36.2 6.0	54.9 -44.4 8.6	59.1 -52.6 11.3	26.6 18.9 -1.4	32.5 9.6 -0.1	38.4 0.2 1.1	42.6 -7.9 3.8	46.8 -16.1 6.5	51.1 -24.4 9.2	55.3 -32.6 11.8	59.5 -40.9 14.5	63.7 -49.1 17.2	87.6 -7.6 -9.4	82.5 -3.9 -3.7	77.4 -0.2 1.9	71.4 7.9 6.7	65.4 16.1 11.5	59.3 24.3 16.3	53.3 32.6 21.1	47.3 40.8 25.9	41.3 49.0 30.8	38.4 0.2 1.1	38.4 0.2 1.1	38.4 0.2 1.1	38.4 0.2 1.1
04	22.5 9.3 -15.6	26.4 2.7 -15.8	30.3 -3.8 -16.0	34.2 -10.5 -16.2	38.4 -18.7 -13.5	42.6 -26.9 -10.8	46.8 -35.2 -8.2	51.1 -43.4 -5.5	55.3 -51.7 -2.8	25.1 15.6 -11.2	31.0 6.2 -9.9	34.9 -0.3 -10.1	38.8 -6.9 -10.3	43.0 -15.2 -7.6	47.3 -23.4 -5.0	51.5 -31.6 -2.3	55.7 -39.9 0.3	59.9 -48.1 2.9	27.8 21.8 -6.9	33.7 12.5 -5.6	39.6 3.2 -4.3	43.5 -3.4 -4.4	47.7 -11.6 -1.8	51.9 -19.8 0.8	56.2 -28.1 3.5	60.4 -36.3 6.1	64.6 -44.5 8.8	82.9 -11.1 -15.3	77.8 -7.5 -9.6	72.7 -3.8 -3.9	67.7 -0.1 1.7	61.6 8.0 6.5	55.6 16.3 11.3	49.6 24.5 16.1	43.6 32.7 20.9	37.6 40.9 25.8	48.1 0.1 1.3	48.1 0.1 1.3	48.1 0.1 1.3	48.1 0.1 1.3
05	23.6 12.2 -21.1	27.5 5.6 -21.3	31.4 -0.9 -21.5	35.4 -7.5 -21.7	39.3 -14.2 -21.9	43.5 -22.4 -19.2	47.7 -30.6 -16.5	51.9 -38.9 -13.8	56.2 -47.1 -11.2	26.3 18.5 -16.7	32.2 9.2 -15.4	36.1 2.5 -15.6	40.0 -4.0 -15.8	43.9 -10.6 -16.0	48.1 -18.8 -13.3	52.4 -27.1 -10.7	56.6 -35.3 -8.0	60.8 -43.6 -5.3	28.9 24.7 -12.4	34.9 15.4 -11.1	40.8 6.1 -9.8	44.7 -0.4 -9.9	48.6 -7.1 -10.1	52.8 -15.3 -7.5	57.0 -23.5 -4.8	61.2 -31.8 -2.1	65.5 -40.0 0.5	78.3 -14.7 -21.1	73.2 -11.0 -15.4	68.1 -7.3 -9.8	63.0 -3.6 -4.1	57.9 0.0 1.5	51.9 8.2 6.3	45.9 16.4 11.1	39.8 24.6 15.9	33.8 32.8 20.8	57.9 0.0 1.5	57.9 0.0 1.5	57.9 0.0 1.5	57.9 0.0 1.5
06	24.8 15.2 -26.6	28.7 8.6 -26.8	32.6 1.9 -27.0	36.5 -4.6 -27.2	40.4 -11.2 -27.3	44.3 -17.9 -27.5	48.6 -26.1 -24.9	52.8 -34.3 -22.2	57.0 -42.6 -19.5	27.5 21.4 -22.2	33.4 12.1 -20.9	37.3 5.5 -21.1	41.2 -1.0 -21.3	45.1 -7.7 -21.5	49.0 -14.3 -21.7	53.2 -22.5 -19.0	57.5 -30.8 -16.3	61.7 -39.0 -13.7	30.1 27.7 -17.9	36.0 18.4 -16.6	42.0 9.0 -15.2	45.9 2.4 -15.4	49.8 -4.1 -15.6	53.7 -10.7 -15.8	57.9 -19.0 -13.1	62.1 -27.2 -10.5	66.3 -35.5 -7.8	73.6 -18.3 -27.0	68.5 -14.6 -21.3	63.4 -10.9 -15.6	58.3 -7.2 -9.9	53.2 -3.5 -4.3	48.1 0.1 1.3	42.1 8.3 6.1	36.1 16.5 11.0	30.1 24.7 15.8	67.7 -0.1 1.7	67.7 -0.1 1.7	67.7 -0.1 1.7	67.7 -0.1 1.7
07	26.0 18.1 -32.1	29.9 11.5 -32.3	33.8 4.9 -32.5	37.7 -1.7 -32.7	41.6 -8.3 -32.8	45.5 -14.9 -33.0	49.4 -21.6 -33.2	53.7 -29.8 -30.5	57.9 -38.0 -27.9	28.7 24.4 -27.7	34.6 15.1 -26.4	38.5 8.4 -26.6	42.4 1.8 -26.8	46.3 -4.7 -27.0	50.2 -11.4 -27.2	54.1 -18.0 -27.4	58.3 -26.2 -24.7	62.5 -34.5 -22.0	31.3 30.6 -23.4	37.2 21.3 -22.0	43.1 12.0 -20.7	47.0 5.4 -20.9	50.9 -1.2 -21.1	54.9 -7.8 -21.3	58.8 -14.4 -21.5	63.0 -22.7 -18.8	67.2 -30.9 -16.2	68.9 -21.8 -32.9	63.8 -18.1 -27.2	58.8 -14.4 -21.5	53.7 -10.7 -15.8	48.6 -7.1 -10.1	43.5 -3.4 -4.4	38.4 0.2 1.1	32.4 8.4 6.0	26.4 16.7 10.8	77.4 -0.2 1.9	77.4 -0.2 1.9	77.4 -0.2 1.9	77.4 -0.2 1.9
08	27.2 21.1 -37.6	31.1 14.4 -37.8	35.0 7.8 -38.0	38.9 1.2 -38.1	42.8 -5.4 -38.3	46.7 -12.0 -38.5	50.6 -18.6 -38.7	54.5 -25.2 -38.9	58.7 -33.5 -36.2	29.9 27.3 -33.2	35.8 18.0 -31.9	39.7 11.4 -32.1	43.6 4.7 -32.3	47.5 -1.8 -32.5	51.4 -8.4 -32.7	55.3 -15.1 -32.9	59.2 -21.7 -33.0	63.4 -29.9 -30.4	32.5 33.6 -28.8	38.4 24.2 -27.5	44.3 14.9 -26.2	48.2 8.3 -26.4	52.1 1.7 -26.6	56.0 -4.9 -26.8	59.9 -11.5 -27.0	63.8 -18.1 -27.2	68.1 -26.4 -24.5	64.3 -25.4 -38.7	59.2 -21.7 -33.0	54.1 -18.0 -27.4	49.0 -14.3 -21.7	43.9 -10.6 -16.0	38.8 -6.9 -10.3	33.7 -3.2 -4.6	28.6 0.4 0.9	22.6 8.6 5.8	87.2 -0.3 2.0	87.2 -0.3 2.0	87.2 -0.3 2.0	87.2 -0.3 2.0
09	28.4 24.0 -43.1	32.3 17.4 -43.3	36.2 10.7 -43.4	40.1 4.1 -43.6	44.0 -2.4 -43.8	47.9 -9.0 -44.0	51.8 -15.7 -44.2	55.7 -22.3 -44.4	59.6 -28.9 -44.6	31.0 30.2 -38.7	37.0 20.9 -37.4	40.9 14.3 -37.6	44.8 7.7 -37.8	48.7 1.0 -38.0	52.6 -5.5 -38.2	56.5 -12.1 -38.3	60.4 -18.8 -38.5	64.3 -25.4 -38.7	33.7 36.5 -34.3	39.6 27.2 -33.0	45.5 17.9 -31.7	49.4 11.2 -31.9	53.3 4.6 -32.1	57.2 -1.9 -32.3	61.1 -8.6 -32.5	65.0 -15.2 -32.7	68.9 -21.8 -32.9	59.6 -28.9 -44.6	54.5 -25.2 -38.9	49.4 -21.6 -33.2	44.3 -17.9 -27.5	39.3 -14.2 -21.9	34.2 -10.5 -16.2	29.1 -6.8 -10.5	24.0 -3.1 -4.8	18.9 0.5 0.8	96.9 -0.5 2.2	96.9 -0.5 2.2	96.9 -0.5 2.2	96.9 -0.5 2.2
10	30.1 24.7 15.8	35.4 15.3 21.8	40.6 5.8 27.9	45.9 -3.6 34.0	50.1 -11.9 36.7	54.4 -20.1 39.3	58.6 -28.3 42.0	62.8 -36.6 44.7	67.0 -44.8 47.3	33.8 32.2 20.8	39.1 23.3 26.8	44.4 13.8 32.9	49.6 4.4 39.0	54.9 -5.0 45.1	59.1 -13.3 47.7	63.4 -21.5 50.4	67.6 -29.8 53.1	71.8 -38.0 55.7	37.6 40.9 25.8	42.8 31.4 31.8	48.1 21.9 37.9	53.4 12.4 44.0	58.6 2.9 50.1	63.9 -6.4 56.1	68.1 -14.7 58.8	72.4 -22.9 61.5	76.6 -31.2 64.1	96.9 -0.5 2.2	96.1 -1.7 13.1	95.4 -3.0 24.0	94.7 -4.3 34.9	93.9 -5.6 45.8	93.2 -6.9 56.7	92.4 -8.1 67.6	91.7 -9.4 78.5	90.9 -10.7 89.3	18.9 0.5 0.8	18.9 0.5 0.8	18.9 0.5 0.8	18.9 0.5 0.8
11	30.2 25.8 9.6	36.1 16.5 11.0	41.4 7.0 17.0	46.6 -2.4 23.1	50.9 -10.6 25.8	55.1 -18.8 28.4	59.3 -27.1 31.1	63.5 -35.3 33.8	67.8 -43.5 36.5	33.9 33.9 14.6	39.8 24.6 15.9	45.1 15.1 22.0	50.4 5.6 28.1	55.7 -3.8 34.2	59.9 -12.0 36.8	64.1 -20.2 39.5	68.3 -28.5 42.2	72.5 -36.7 44.9	37.7 42.0 19.6	43.6 32.7 20.9	48.8 23.2 27.0	54.1 13.7 33.1	59.4 4.2 39.2	64.7 -5.2 45.2	68.9 -13.4 47.9	73.1 -21.6 50.6	77.3 -29.9 53.3	88.3 2.5 -3.3	87.2 -0.3 2.0	86.4 -1.6 12.9	85.7 -2.9 23.8	84.9 -4.2 34.7	84.2 -5.4 45.6	83.4 -6.7 56.5	82.7 -8.0 67.4	81.9 -9.3 78.3	24.1 0.4 0.9	24.1 0.4 0.9	24.1 0.4 0.9	24.1 0.4 0.9
12	30.3 27.0 3.5	36.2 17.6 4.8	42.1 8.3 6.1	47.4 -1.1 12.2	51.6 -9.3 14.9	55.8 -17.6 17.6	60.1 -25.8 20.2	64.3 -34.0 22.9	68.5 -42.3 25.6	34.0 35.0 8.5	39.9 25.7 9.8	45.9 16.4 11.1	51.1 6.9 17.2	56.4 -2.5 23.3	60.6 -10.7 26.0	64.9 -19.0 28.6	69.1 -27.2 31.3	73.3 -35.4 34.0	37.8 43.1 13.5	43.7 33.8 14.8	49.6 24.5 16.1	54.9 15.0 22.2	60.1 5.5 28.3	65.4 -3.9 34.4	69.6 -12.1 37.0	73.9 -20.4 39.7	78.1 -28.6 42.4	79.8 5.6 -9.0	78.6 2.6 -3.5	77.4 -0.2 1.9	76.7 -1.5 12.8	75.9 -2.8 23.6	75.2 -4.0 34.5	74.4 -5.3 45.4	73.7 -6.6 56.3	72.9 -7.9 67.2	29.3 0.4 1.0	29.3 0.4 1.0	29.3 0.4 1.0	29.3 0.4 1.0
13	30.4 28.1 -2.5	36.3 18.7 -1.2	42.2 9.4 0.0	48.1 0.1 1.3	52.4 -8.0 4.0	56.6 -16.3 6.7	60.8 -24.5 9.3	65.0 -32.8 12.0	69.3 -41.0 14.7	34.1 36.1 2.4	40.0 26.8 3.7	46.0 17.5 5.0	51.9 8.2 6.3	57.1 -1.2 12.4	61.4 -9.4 15.1	65.6 -17.7 17.7	69.8 -25.9 20.4	74.0 -34.2 23.1	37.9 44.2 7.4	43.8 34.9 8.7	49.7 25.6 10.0	55.6 16.3 11.3	60.9 6.8 17.4	66.2 -2.6 23.5	70.4 -10.9 26.1	74.6 -19.1 28.8	78.8 -27.3 31.5	71.2 8.6 -14.7	70.0 5.7 -9.2	68.8 2.8 -3.7	67.7 -0.1 1.7	66.9 -1.3 12.6	66.2 -2.6 23.5	65.4 -3.9 34.4	64.7 -5.2 45.2	63.9 -6.4 56.1	34.5 0.3 1.1	34.5 0.3 1.1	34.5 0.3 1.1	34.5 0.3 1.1
14	31.6 31.0 -8.0	37.5 21.7 -6.7	43.4 12.4 -5.4	49.3 3.0 -4.1	53.2 -3.5 -4.3	57.5 -11.7 -1.6	61.7 -20.0 1.0	65.9 -28.2 3.7	70.1 -36.4 6.3	34.2 37.2 -3.6	40.2 27.9 -2.3	46.1 18.6 -1.0	52.0 9.3 0.2	57.9 0.0 1.5	62.1 -8.2 4.2	66.3 -16.4 6.8	70.6 -24.6 9.5	74.8 -32.9 12.2	38.0 45.3 1.3	43.9 36.0 2.6	49.8 26.7 3.9	55.7 17.4 5.2	61.6 8.0 6.5	66.9 -1.3 12.6	71.1 -9.6 15.2	75.3 -17.8 17.9	79.6 -26.1 20.6	62.6 11.7 -20.4	61.5 8.8 -14.9	60.3 5.8 -9.4	59.1 2.9 -3.9	57.9 0.0 1.5	57.1 -1.2 12.4	56.4 -2.5 23.3	55.7 -3.8 34.2	54.9 -5.0 45.1	39.7 0.2 1.2	39.7 0.2 1.2	39.7 0.2 1.2	39.7 0.2 1.2
15	32.8 33.9 -13.5	38.7 24.6 -12.2	44.6 15.3 -10.9	50.5 6.0 -9.6	54.4 -0.6 -9.8	58.3 -7.2 -9.9	62.5 -15.4 -7.3	66.8 -23.7 -4.6	71.0 -31.9 -1.9	35.4 40.2 -9.1	41.3 30.9 -7.8	47.3 21.5 -6.5	53.2 12.2 -5.2	59.1 2.9 -3.9	63.0 -3.6 -4.1	67.2 -11.9 -1.4	71.4 -20.1 1.2	75.7 -28.3 3.8	38.1 46.4 -4.7	44.0 37.1 -3.4	49.9 27.8 -2.1	55.8 18.5 -0.8	61.7 9.2 0.4	67.7 -0.1 1.7	71.9 -8.3 4.4	76.1 -16.5 7.0	80.3 -24.8 9.7	54.1 14.8 -26.0	52.9 11.8 -20.6	51.7 8.9 -15.1	50.5 6.0 -9.6	49.3 3.0 -4.1	48.1 0.1 1.2	47.4 -1.1 12.2	46.6 -2.4 23.1	45.9 -3.6 34.0	44.9 0.1 1.2	44.9 0.1 1.2	44.9 0.1 1.2	44.9 0.1 1.2
16	34.0 36.9 -19.0	39.9 27.6 -17.7	45.8 18.2 -16.4	51.7 8.9 -15.1	55.6 2.3 -15.3	59.5 -4.2 -15.4	63.4 -10.9 -15.6	67.6 -19.1 -13.0	71.9 -27.3 -10.3	36.6 43.1 -14.6	42.5 33.8 -13.3	48.4 24.5 -12.0	54.4 15.2 -10.7	60.3 5.8 -9.4	64.2 -0.7 -9.6	68.1 -7.3 -9.8	72.3 -15.6 -7.1	76.5 -23.8 -4.4	39.3 49.4 -10.2	45.2 40.1 -8.9	51.1 30.7 -7.6	57.0 21.4 -6.3	62.9 12.1 -5.0	68.8 2.8 -3.7	72.7 -3.8 -3.9	77.0 -12.0 -1.2	81.2 -20.2 1.3	45.5 17.9 -31.7	44.3 14.9 -26.2	43.1 12.0 -20.7	42.0 9.0 -15.2	40.8 6.1 -9.8	39.6 3.2 -4.3	38.4 0.2 1.1	37.6 -0.9 12.0	36.9 -2.2 22.9	50.1 0.1 1.3	50.1 0.1 1.3	50.1 0.1 1.3	50.1 0.1 1.3
17	35.2 39.8 -24.5	41.1 30.5 -23.2	47.0 21.2 -21.9	52.9 11.8 -20.6	56.8 5.2 -20.7	60.7 -1.3 -20.9	64.6 -7.9 -21.1	68.5 -14.6 -21.3	72.7 -22.8 -18.6	37.8 46.1 -20.1	43.7 36.7 -18.8	49.6 27.4 -17.5	55.5 18.1 -16.2	61.5 8.8 -14.9	65.4 2.1 -15.1	69.3 -4.4 -15.3	73.2 -11.0 -15.4	77.4 -19.2 -12.8	40.5 52.3 -15.7	46.4 43.0 -14.4	52.3 33.7 -13.1	58.2 24.4 -11.8	64.1 15.0 -10.5	70.0 5.7 -9.2	73.9 -0.8 -9.4	77.8 -7.5 -9.6	82.0 -15.7 -6.9	37.0 20.9 -37.4	35.8 18.0 -31.9	34.6 15.1 -26.4	33.4 12.1 -20.9	32.2 9.2 -15.4	31.0 6.2 -9.9	29.8 3.3 -4.4	28.6 0.4 0.9	27.9 -0.8 11.8	55.3 0.0 1.4	55.3 0.0 1.4	55.3 0.0 1.4	55.3 0.0 1.4
18	36.3 42.7 -30.0	42.3 33.4 -28.7	48.2 24.1 -27.4	54.1 14.8 -26.0	58.0 8.2 -26.2	61.9 1.5 -26.4	65.8 -5.0 -26.6	69.7 -11.6 -26.8	73.6 -18.3 -27.0	39.0 49.0 -25.6	44.9 39.7 -24.3	50.8 30.4 -23.0	56.7 21.0 -21.7	62.6 11.7 -20.4	66.5 5.1 -20.6	70.4 -1.4 -20.7	74.4 -8.1 -20.9	78.3 -14.7 -21.1	41.6 55.2 -21.2	47.5 45.9 -19.9	53.5 36.6 -18.6	59.4 27.3 -17.3	65.3 18.0 -16.0	71.2 8.6 -14.7	75.1 2.0 -14.9	79.0 -4.5 -15.1	82.9 -11.1 -15.3	28.4 24.0 -43.1	27.2 21.1 -37.6	26.0 18.1 -32.1	24.8 15.2 -26.6	23.6 12.2 -21.1	22.5 9.3 -15.6	21.3 6.4 -10.1	20.1 3.4 -4.6	18.9 0.5 0.8	60.5 0.0 1.5	60.5 0.0 1.5	60.5 0.0 1.5	60.5 0.0 1.5
19	41.3 49.0 30.8	46.6 39.5 36.8	51.8 30.0 42.9	57.1 20.5 49.0	62.4 11.0 55.1	67.6 1.5 61.1	72.9 -7.9 67.2	77.1 -16.1 69.9	81.4 -24.3 72.5	45.0 57.1 35.8	50.3 47.6 41.8	55.6 38.1 47.9	60.8 28.6 54.0	66.1 19.1 60.1	71.4 9.6 66.1	76.6 0.1 72.2	81.9 -9.3 78.3	86.1 -17.5 80.9	48.8 65.1 40.8	54.0 55.7 46.8	59.3 46.2 52.9	64.6 36.7 59.0	69.8 27.2 65.0	75.1 17.7 71.1	80.4 8.2 77.2	85.6 -1.2 83.3	90.9 -10.7 89.3	96.9 -0.5 2.2	91.4 -8.6 4.7	85.8 -16.7 7.2	80.3 -24.8 9.7	74.8 -32.9 12.2	69.3 -41.0 14.7	63.7 -49.1 17.2	58.2 -57.2 19.7	52.7 -65.3 22.1	65.7 0.0 1.6	65.7 0.0 1.6	65.7 0.0 1.6	65.7 0.0 1.6
20	41.4 50.1 24.6	47.3 40.8 25.9	52.6 31.3 32.0	57.8 21.8 38.1	63.1 12.3 44.2	68.4 2.8 50.2	73.7 -6.6 56.3	77.9 -14.8 59.0	82.1 -23.1 61.7	45.1 58.2 29.6	51.0 48.9 30.9	56.3 39.4 37.0	61.6 29.9 43.1	66.9 20.4 49.2	72.1 10.9 55.2	77.4 1.4 61.3	82.7 -8.0 67.4	86.9 -16.2 70.1	48.9 66.3 34.6	54.8 56.9 35.9	60.0 47.4 42.0	65.3 38.0 48.1	70.6 28.5 54.2	75.9 19.0 60.2	81.1 9.5 66.3	86.4 0.0 72.4	91.7 -9.4 78.5	91.0 8.7 0.9	87.2 -0.3 2.0	81.6 -8.4 4.5	76.1 -16.5 7.0	70.6 -24.6 9.5	65.0 -32.8 12.0	59.5 -40.9 14.5	54.0 -49.0 17.0	48.5 -57.1 19.5	70.9 -0.1 1.7	70.9 -0.1 1.7	70.9 -0.1 1.7	70.9 -0.1 1.7
21	41.5 51.2 18.5	47.4 41.9 19.8	53.3 32.6 21.1	58.6 23.1 27.2	63.9 13.6 33.3	69.1 4.1 39.4	74.4 -5.3 45.4	78.6 -13.5 48.1	82.9 -21.8 50.8	45.2 59.3 23.5	51.1 50.0 24.8	57.1 40.6 26.1	62.3 31.2 32.2	67.6 21.7 38.3	72.9 12.2 44.4	78.1 2.7 50.4	83.4 -6.7 56.5	87.6 -14.9 59.2	49.0 67.4 28.5	54.9 58.0 29.8	60.8 48.7 31.1	66.1 39.2 37.2	71.3 29.7 43.3	76.6 20.2 49.3	81.9 10.8 55.4	87.1 1.3 61.5	92.4 -8.1 67.6	85.1 18.1 -0.3	81.2 8.9 0.7	77.4 -0.2 1.9	71.9 -8.3 4.4	66.3 -16.4 6.8	60.8 -24.5 9.3	55.3 -32.6 11.8	49.8 -40.7 14.3	44.2 -48.8 16.8	76.1 -0.2 1.8	76.1 -0.2 1.8	76.1 -0.2 1.8	76.1 -0.2 1.8
22	41.6 52.3 12.4	47.5 43.0 13.7	53.4 33.7 15.0	59.3 24.3 16.3	64.6 14.9 22.4	69.9 5.4 28.5	75.2 -4.0 34.5	79.4 -12.3 37.2	83.6 -20.5 39.9	45.3 60.4 17.4	51.2 51.1 18.7	57.2 41.8 20.0	63.1 32.4 21.3	68.3 22.9 27.4	73.6 13.4 33.5	78.9 4.0 39.5	84.2 -5.4 45.6	88.4 -13.7 48.3	49.1 68.5 22.4	55.0 59.1 23.7	60.9 49.8 25.0	66.8 40.5 26.3	72.1 31.0 32.4	77.3 21.5 38.5	82.6 12.0 44.5	87.9 2.5 50.6	93.2 -6.9 56.7	79.2 27.4 -1.6	75.3 18.2 -0.5	71.5 9.0 0.6	67.7 -0.1 1.7	62.1 -8.2 4.2	56.6 -16.3 6.7	51.1 -24.4 9.2	45.5 -32.5 11.6	40.0 -40.6 14.1	81.3 -0.3 1.9	81.3 -0.3 1.9	81.3 -0.3 1.9	81.3 -0.3 1.9
23	41.7 53.4 6.3	47.6 44.1 7.6	53.5 34.8 8.9	59.4 25.5 10.2	65.4 16.1 11.5	70.6 6.6 17.6	75.9 -2.8 23.6	80.1 -11.0 26.3	84.3 -19.2 29.0	45.4 61.5 11.3	51.3 52.2 12.6	57.3 42.9 13.9	63.2 33.5 15.2	69.1 24.2 16.5	74.4 14.7 22.6	79.6 5.2 28.6	84.9 -4.2 34.7	89.1 -12.4 37.4	49.2 69.6 16.3	55.1 60.3 17.6	61.0 50.9 18.9	66.9 41.6 20.2	72.8 32.3 21.5	78.1 22.8 27.6	83.4 13.3 33.6	88.6 3.8 39.7	93.9 -5.6 45.8	73.2 36.7 -2.9	69.4 27.5 -1.8	65.6 18.3 -0.6	61.7 9.2 0.4	57.9 0.0 1.5	52.4 -8.0 4.0	46.8 -16.1 6.5	41.3 -24.2 9.0	35.8 -32.3 11.5	86.5 -0.3 2.0	86.5 -0.3 2.0	86.5 -0.3 2.0	86.5 -0.3 2.0
24	41.8 54.5 0.2	47.7 45.2 1.5	53.6 35.9 2.8	59.5 26.6 4.1	65.5 17.2 5.4	71.4 7.9 6.7	76.7 -1.5 12.8	80.9 -9.7 15.4	85.1 -17.9 18.1	45.5 62.6 5.1	51.5 53.3 6.5	57.4 44.0 7.8	63.3 34.6 9.1	69.2 25.3 10.4	75.1 16.0 11.7	80.4 6.5 17.8	85.7 -2.9 23.8	89.9 -11.1 26.5	49.3 70.7 10.1	55.2 61.4 11.4	61.1 52.0 12.8	67.0 42.7 14.1	72.9 33.4 15.4	78.8 24.1 16.7	84.1 14.6 22.7	89.4 5.1 28.8	94.7 -4.3 34.9	67.3 46.0 -4.2	63.5 36.9 -3.1	59.7 27.7 -2.0	55.8 18.5 -0.8	52.0 9.3 0.2	48.1 0.1 1.3	42.6 -7.9 3.8	37.1 -16.0 6.3	31.6 -24.1 8.8	91.7 -0.4 2.1	91.7 -0.4 2.1	91.7 -0.4 2.1	91.7 -0.4 2.1
25	41.9 55.6 -5.9	47.8 46.3 -4.6	53.7 37.0 -3.3	59.7 27.7 -2.0	65.6 18.3 -0.6	71.5 9.0 0.6	77.4 -0.2 1.9	81.6 -8.4 4.5	85.8 -16.7 7.2	45.6 63.7 -0.9	51.6 54.4 0.3	57.5 45.1 1.6	63.4 35.7 2.9	69.3 26.4 4.3	75.2 17.1 5.6	81.1 7.8 6.9	86.4 -1.6 12.9	90.6 -9.8 15.6	49.4 71.8 4.0	55.3 62.5 5.3	61.2 53.1 6.6	67.1 43.8 7.9	73.0 34.5 9.2	78.9 25.2 10.6	84.9 15.9 11.9	90.1 6.4 17.9	95.4 -3.0 24.0	61.4 55.4 -5.5	57.6 46.2 -4.4	53.7 37.0 -3.3	49.9 27.8 -2.1	46.1 18.6 -1.0	42.2 9.4 0.0	38.4 0.2 1.1	32.9 -7.8 3.6	27.3 -15.9 6.1	96.9 -0.5 2.2	96.9 -0.5 2.2	96.9 -0.5 2.2	96.9 -0.5 2.2
26	43.1 58.6 -11.4	49.0 49.2 -10.1	54.9 39.9 -8.8	60.8 30.6 -7.4	66.8 21.3 -6.1	72.7 12.0 -4.8	78.6 2.6 -3.5	82.5 -3.9 -3.7	86.7 -12.1 -1.0	45.7 64.8 -7.0	51.7 55.5 -5.7	57.6 46.2 -4.4	63.5 36.9 -3.1	69.4 27.5 -1.8	75.3 18.2 -0.5	81.2 8.9 0.7	87.2 -0.3 2.0	91.4 -8.6 4.7	49.5 72.9 -2.0	55.4 63.6 -0.7	61.3 54.3 0.5	67.2 44.9 1.8	73.1 35.6 3.1	79.0 26.3 4.4	85.0 17.0 5.7	90.9 7.6 7.0	96.1 -1.7 13.1	55.5 64.7 -6.8	51.7 55.5 -5.7	47.8 46.3 -4.6	44.0 37.1 -3.4	40.2 27.9 -2.3	36.3 18.7 -1.2	32.5 9.6 -0.1	28.6 0.4 0.9	23.1 -7.6 3.4	18.9 0.5 0.8	48.8 65.1 40.8	90.9 -10.7 89.3	52.7 -65.3 22.1
27	44.3 61.5 -16.9	50.2 52.2 -15.5	56.1 42.9 -14.2	62.0 33.5 -12.9	67.9 24.2 -11.6	73.9 14.9 -10.3	79.8 5.6 -9.0	83.7 -1.0 -9.2	87.6 -7.6 -9.4	46.9 67.7 -12.5	52.8 58.4 -11.2	58.8 49.1 -9.9	64.7 39.8 -8.6	70.6 30.5 -7.3	76.5 21.1 -6.0	82.4 11.8 -4.6	88.3 2.5 -3.3	92.2 -4.0 -3.5	49.6 74.0 -8.1	55.5 64.7 -6.8	61.4 55.4 -5.5	67.3 46.0 -4.2	73.2 36.7 -2.9	79.2 27.4 -1.6	85.1 18.1 -0.3	91.0 8.7 0.9	96.9 -0.5 2.2	49.6 74.0 -8.1	45.7 64.8 -7.0	41.9 55.6 -5.9	38.1 46.4 -4.7	34.2 37.2 -3.6	30.4 28.1 -2.5	26.6 18.9 -1.4	22.7 9.7 -0.3	18.9 0.5 0.8	96.9 -0.5 2.2	59.6 -28.9 -44.6	28.4 24.0 -43.1	49.6 74.0 -8.1

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

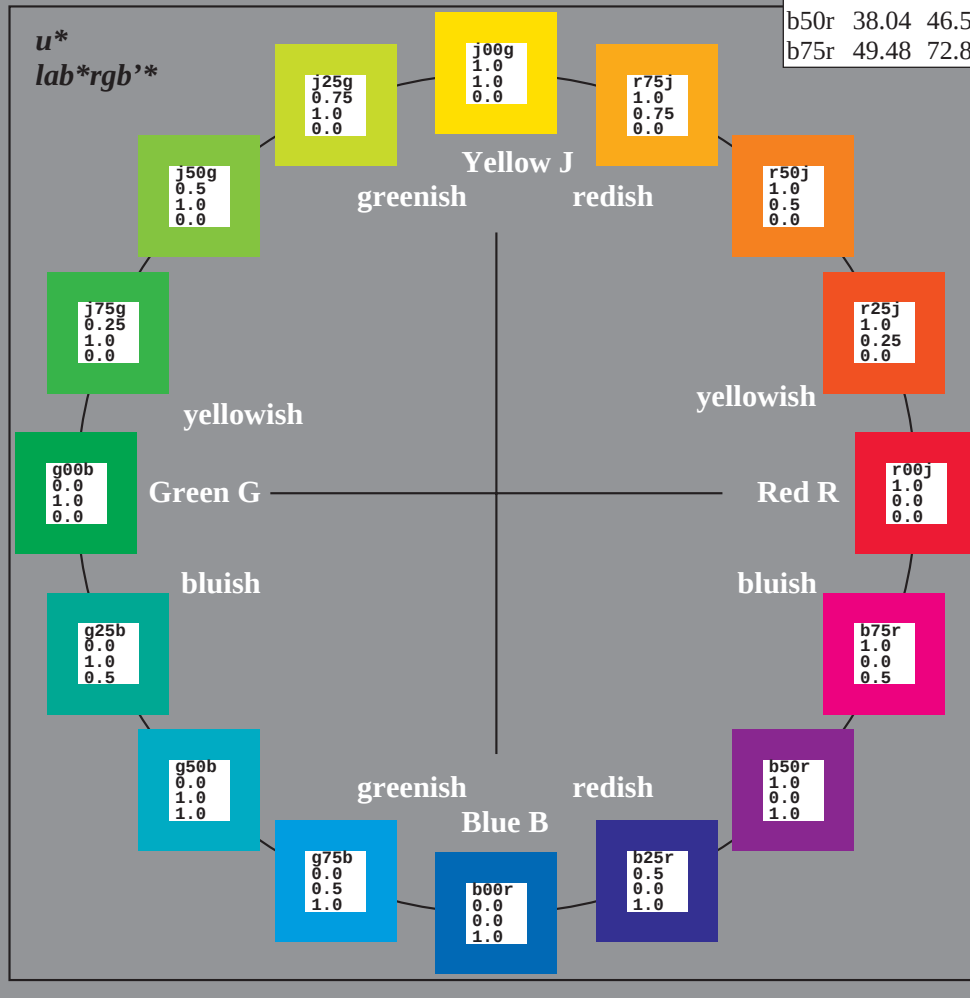
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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

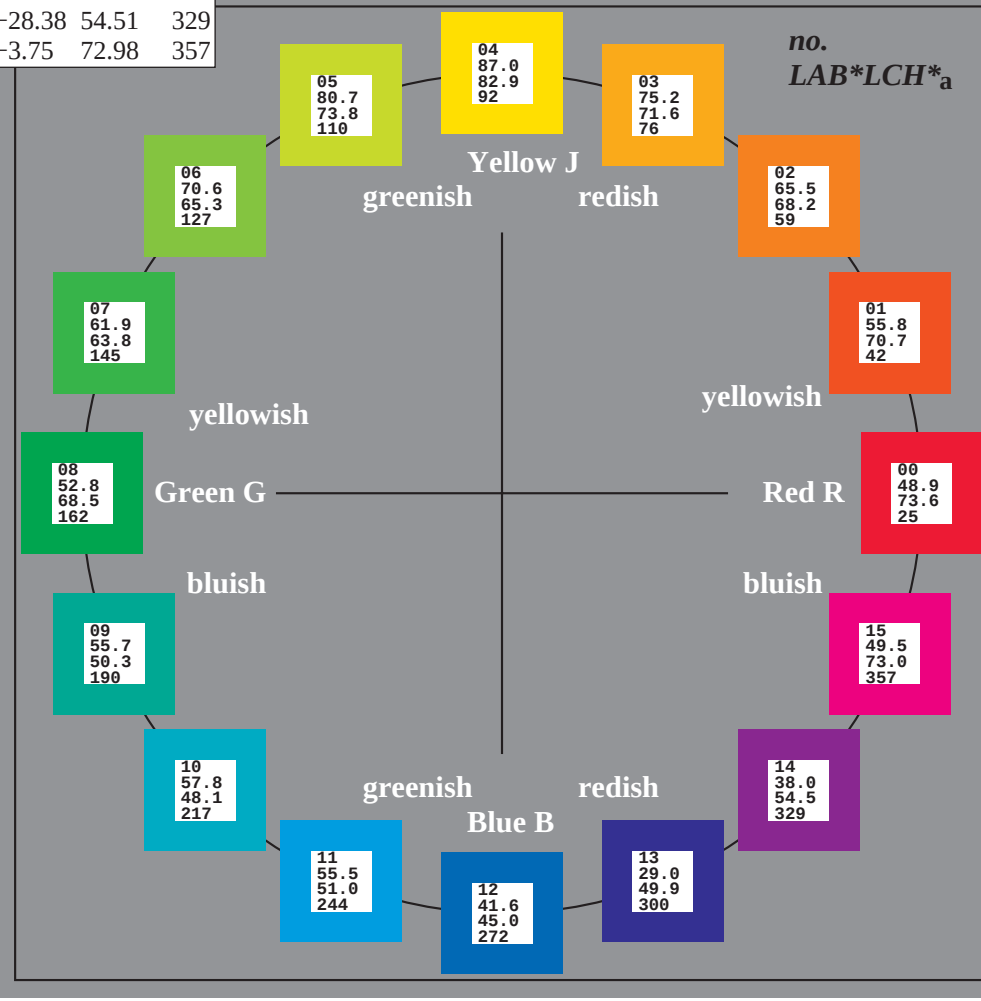


%Gamut
$u^*_{rel} = 89$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

ORS19_96a; CIELAB data

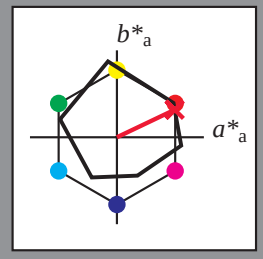
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272





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

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
u = r00j*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

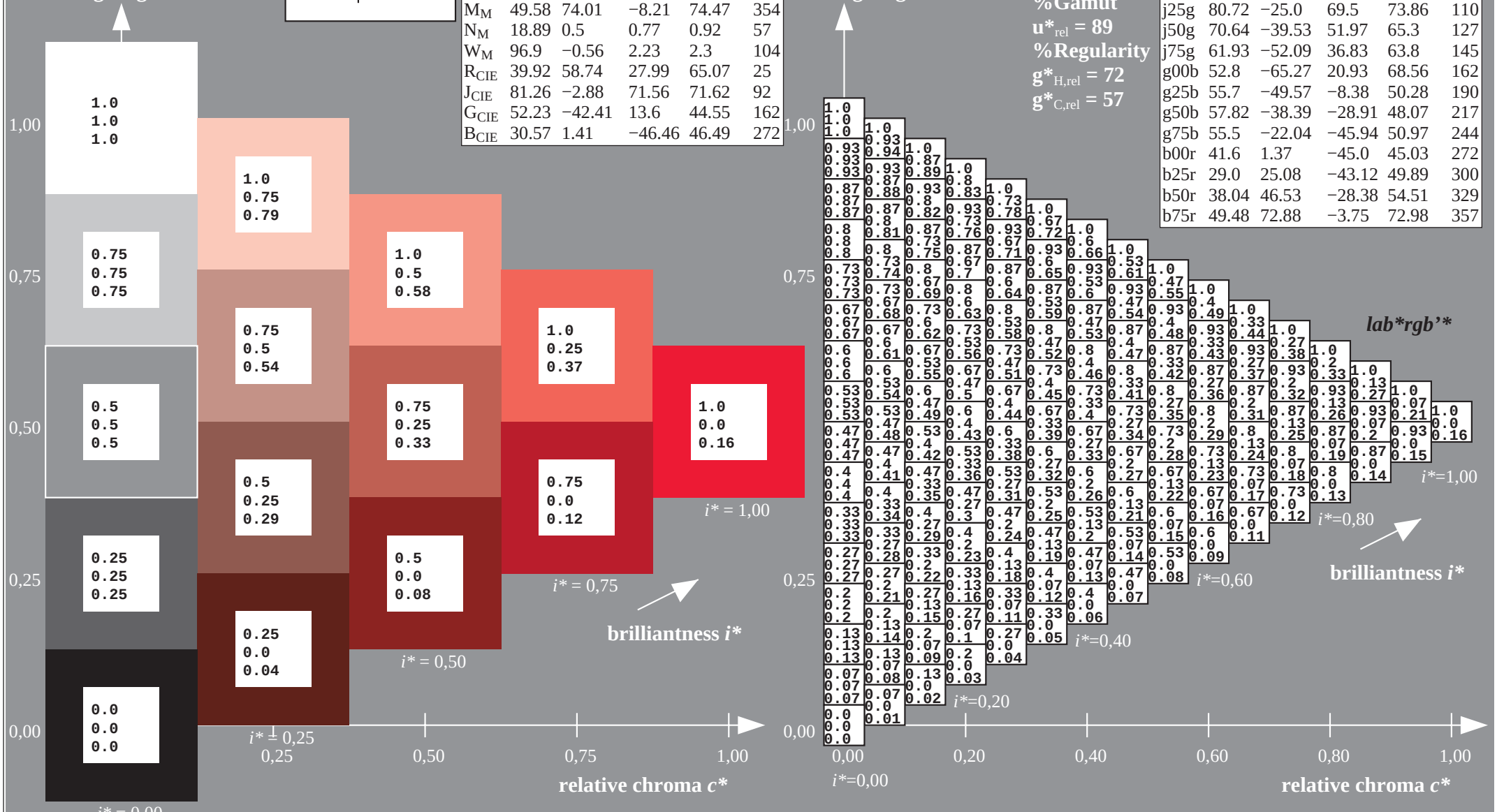
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 49 66 32**
***LAB*LCH*Ma*: 49 74 25**
***lab*rgb*Ma*: 1.0 0.0 0.0**
***lab*olv*Ma*: 1.0 0.0 0.16**
triangle lightness *t**

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

u* = r00j
lab*rgb'*

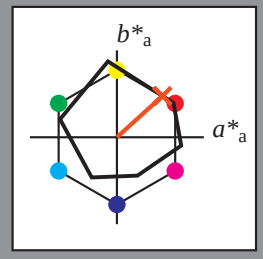
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

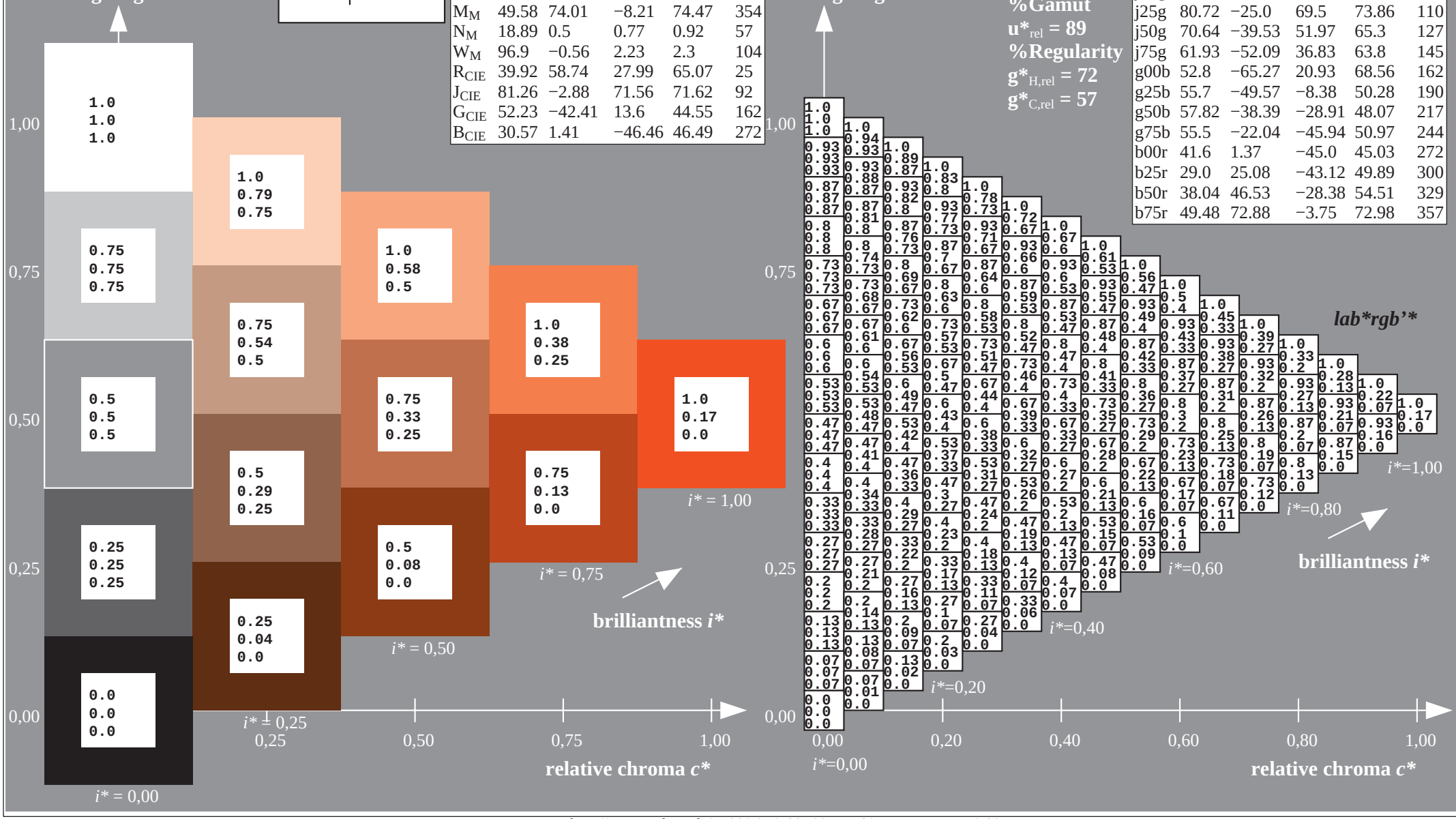
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

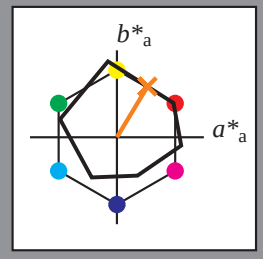
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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



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

u* = r50j
lab*rgb'*

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

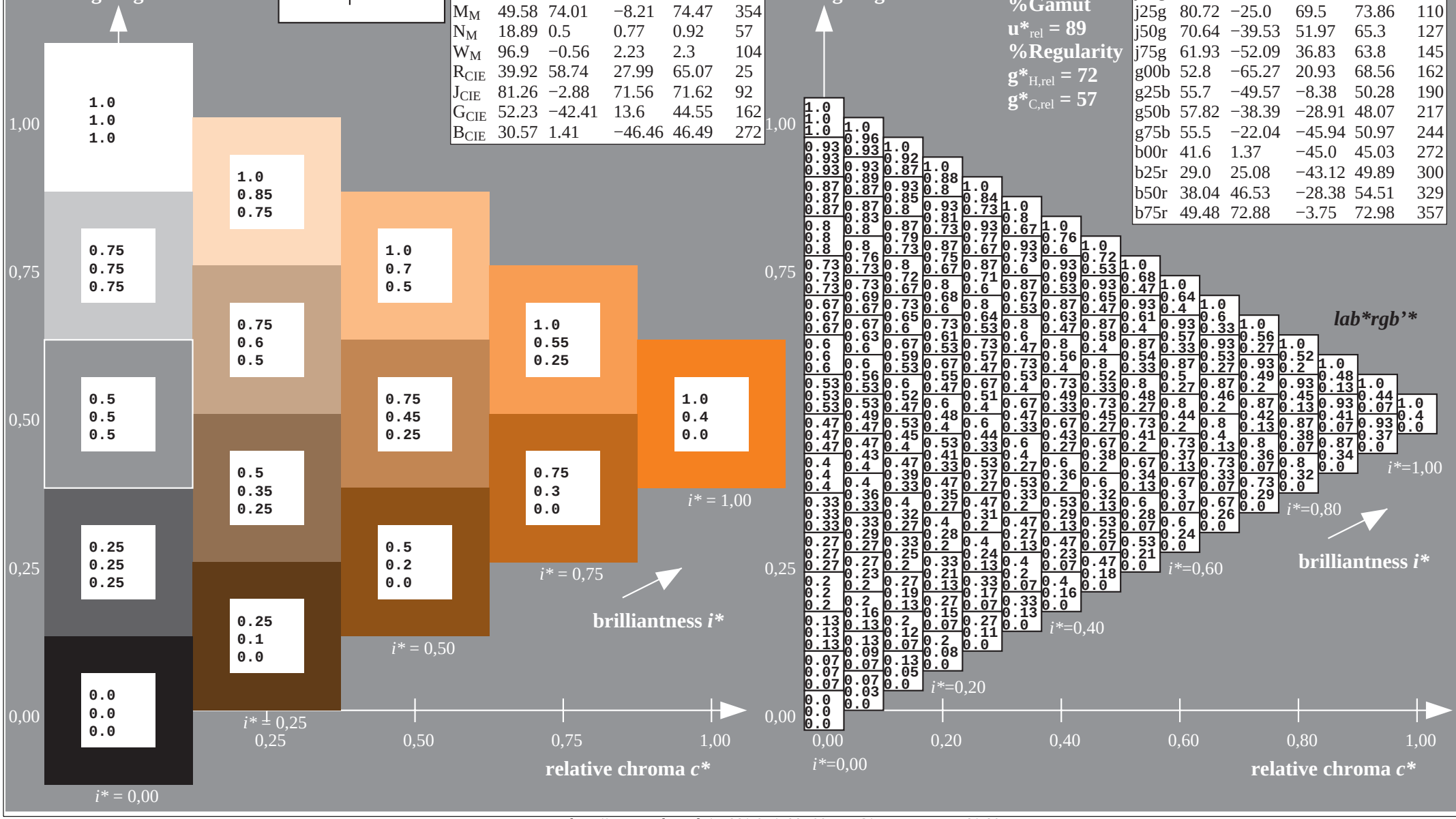
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

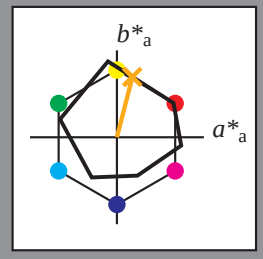
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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

u* = r75j
lab*rgb'*

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u* = r75j
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96a; CIELAB data

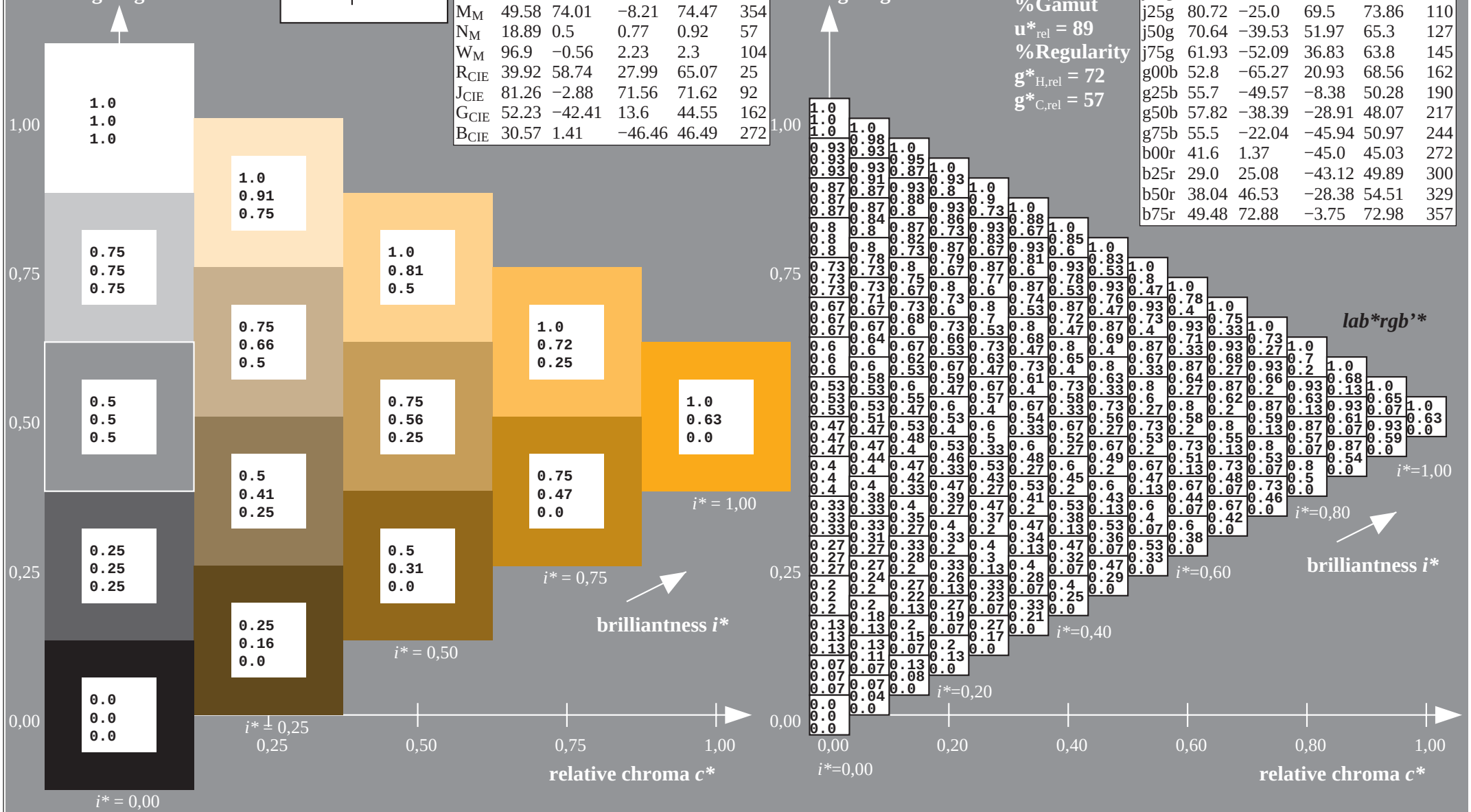
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 75 18 69
LAB*LCH*$_{Ma}$: 75 72 76
lab*rgb*$_{Ma}$: 1.0 0.75 0.0
lab*olv*$_{Ma}$: 1.0 0.63 0.0
triangle lightness *t**

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

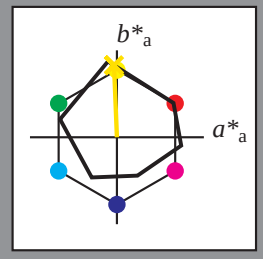
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



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

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
u = j00g*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

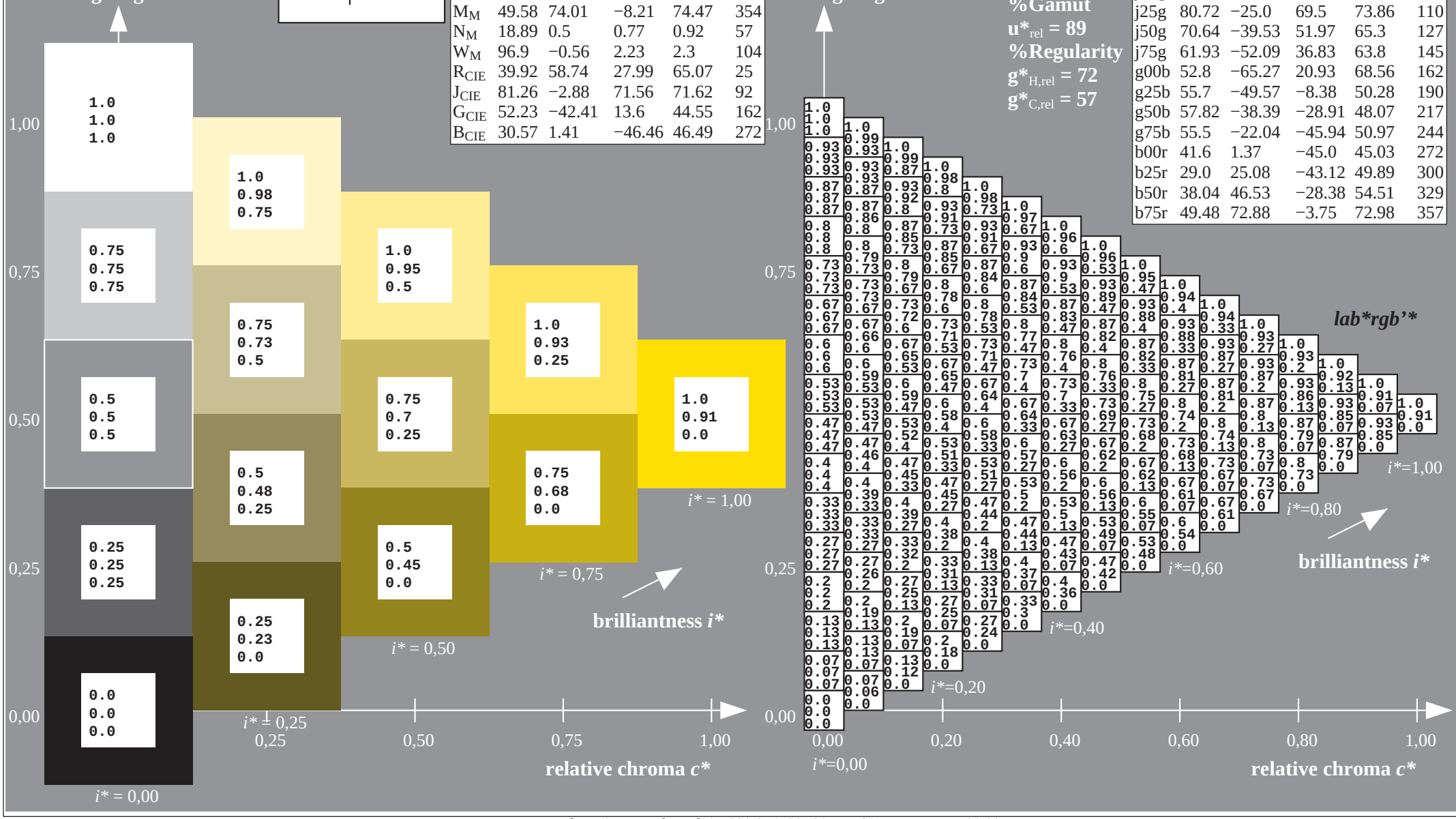
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 87 −2 83**
***LAB*LCH*Ma*: 87 83 92**
***lab*rgb*Ma*: 1.0 1.0 0.0**
***lab*olv*Ma*: 1.0 0.91 0.0**
triangle lightness *t**

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

u* = j00g
lab*rgb'*

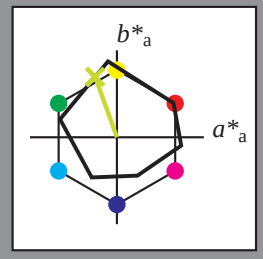
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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

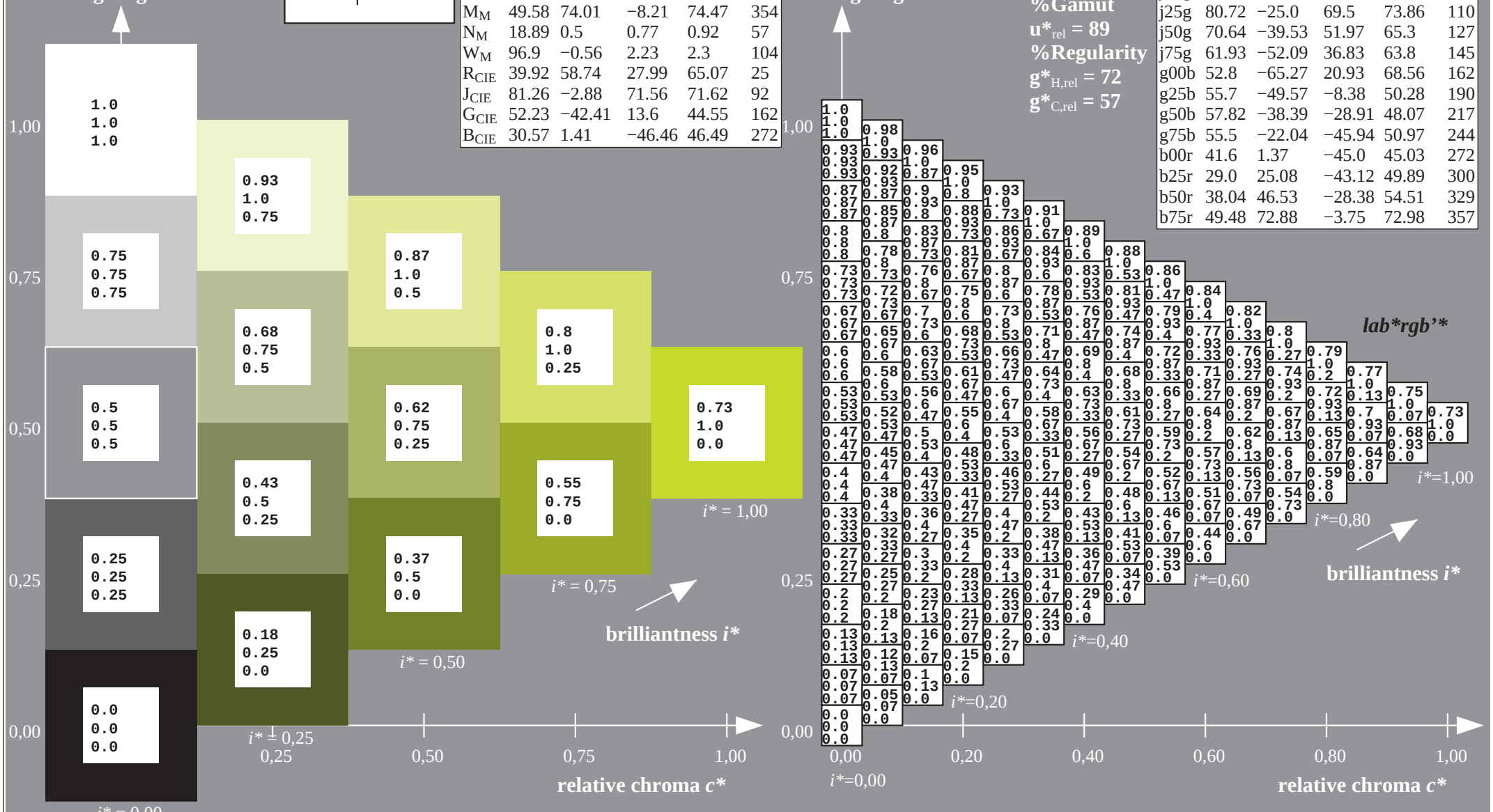
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 81 −24 69**
***LAB*LCH*Ma*: 81 74 110**
***lab*rgb*Ma*: 0.75 1.0 0.0**
***lab*olv*Ma*: 0.73 1.0 0.0**
triangle lightness *t**

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

u* = j25g
lab*rgb'*

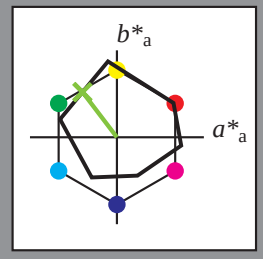
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	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 *u* = j50g* *lab*rgb'**

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

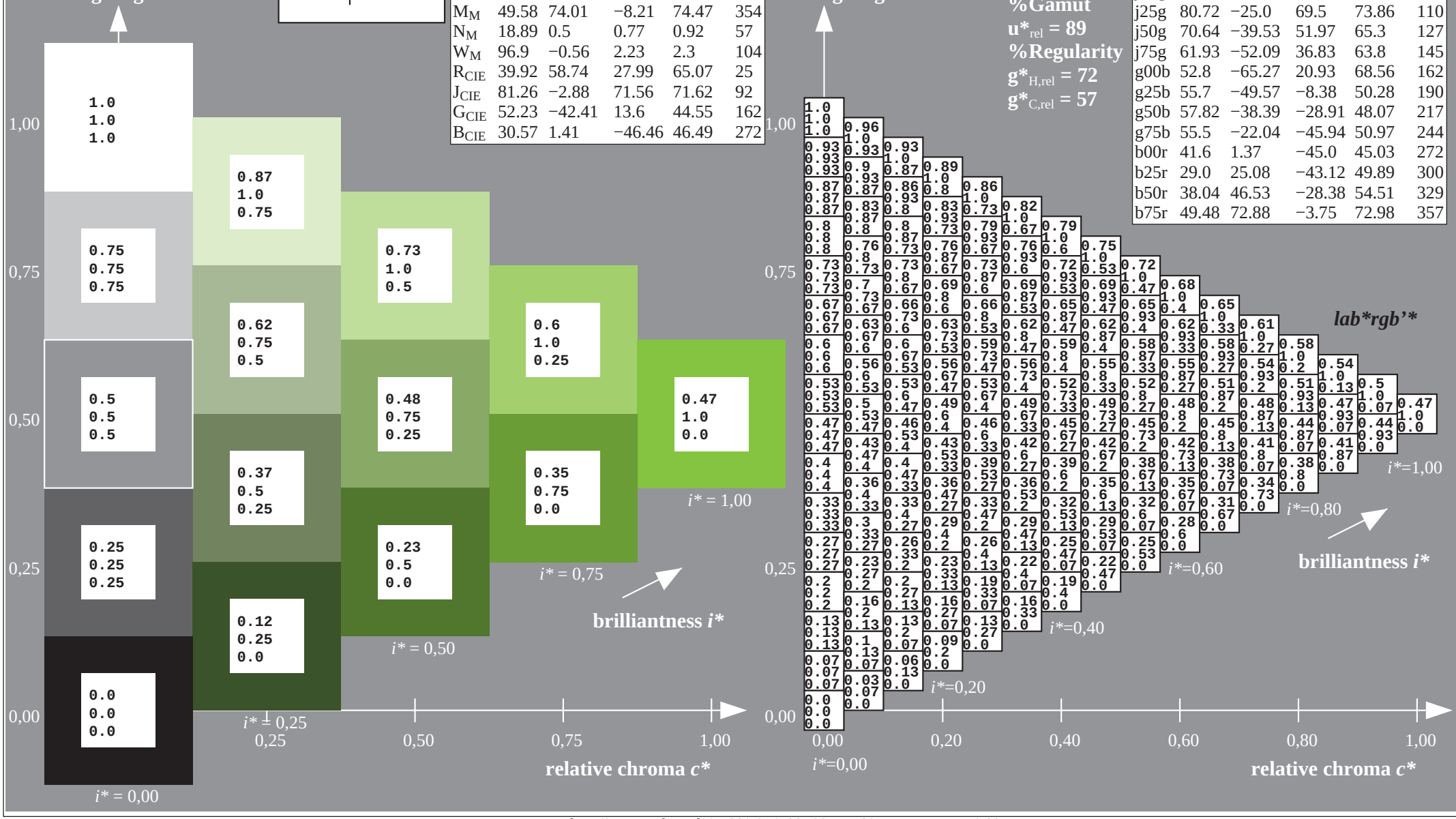
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

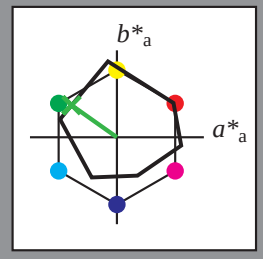
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 — ***u* = j75g lab*rgb'****

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

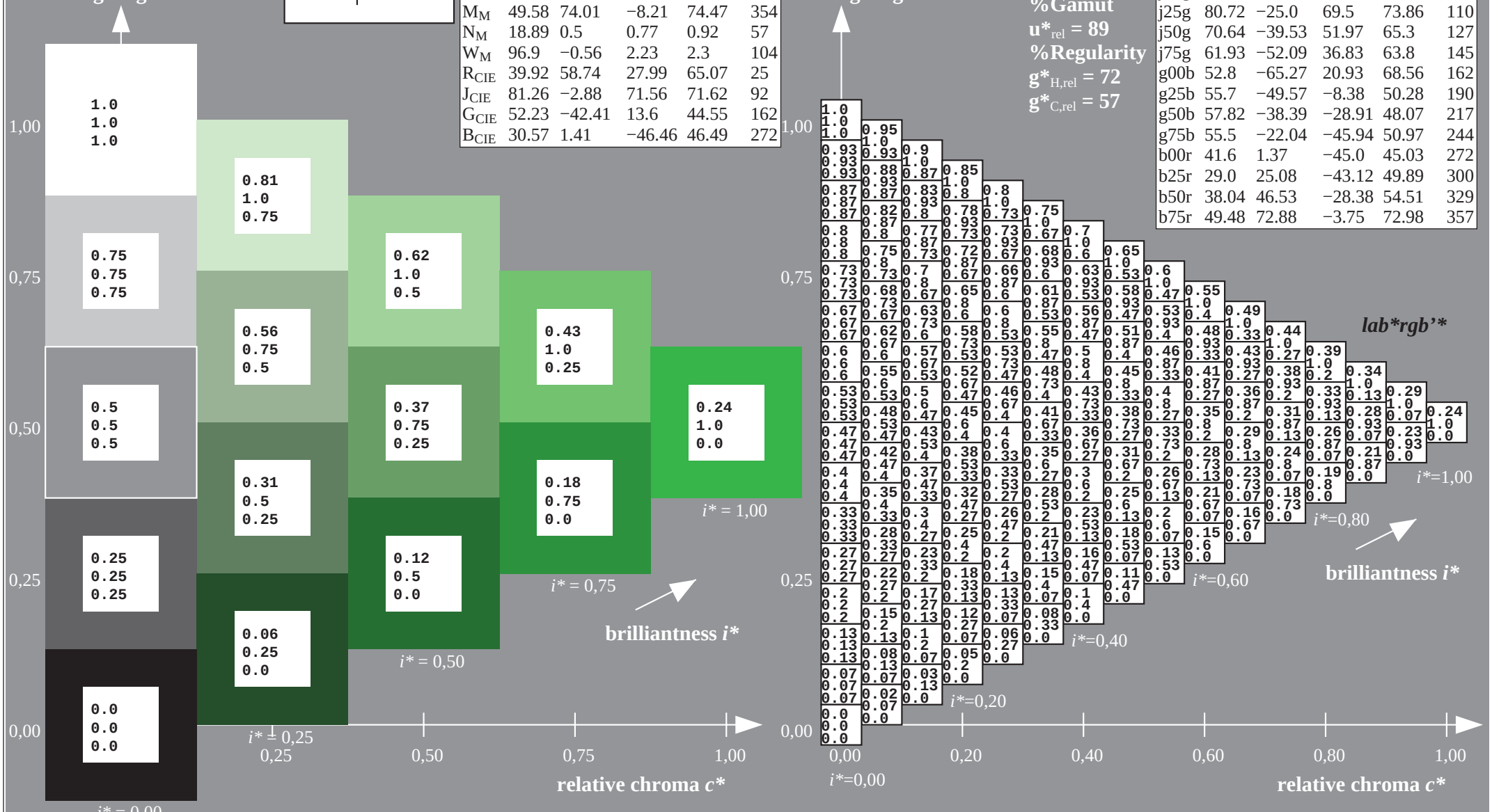
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

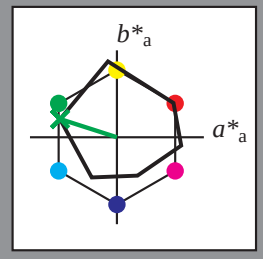
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 — ***u* = g00b lab*rgb'****

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u* = g00b
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96a; CIELAB data

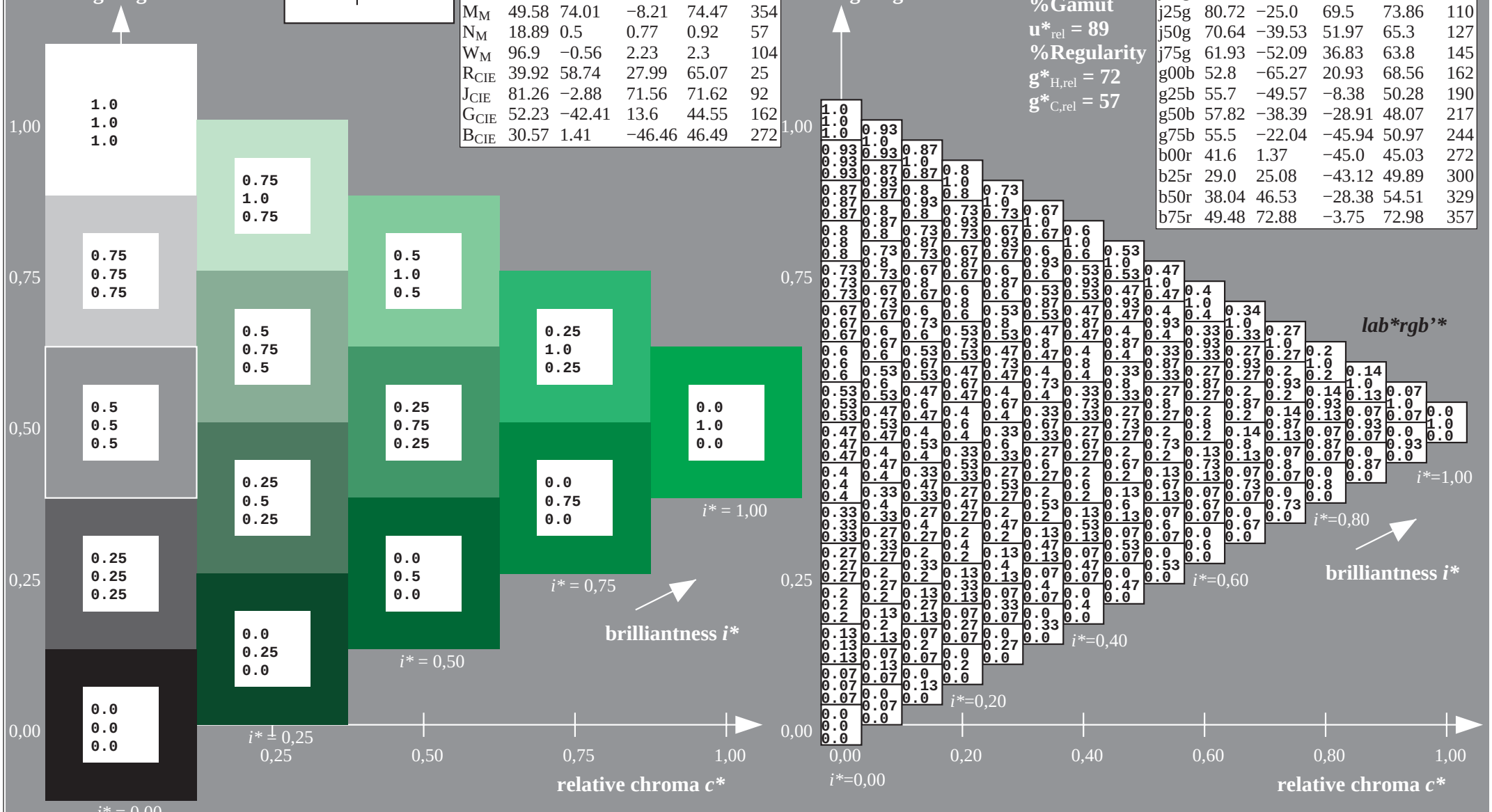
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 53 −64 21
LAB*LCH*$_{Ma}$: 53 69 162
lab*rgb*$_{Ma}$: 0.0 1.0 0.0
lab*olv*$_{Ma}$: 0.0 1.0 0.0
triangle lightness *t**

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

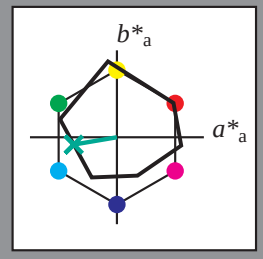
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h^* = lab^*h^* = $h_{ab}/360$ = 190/360 = 0.527 — ***u* = g25b lab*rgb'****

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

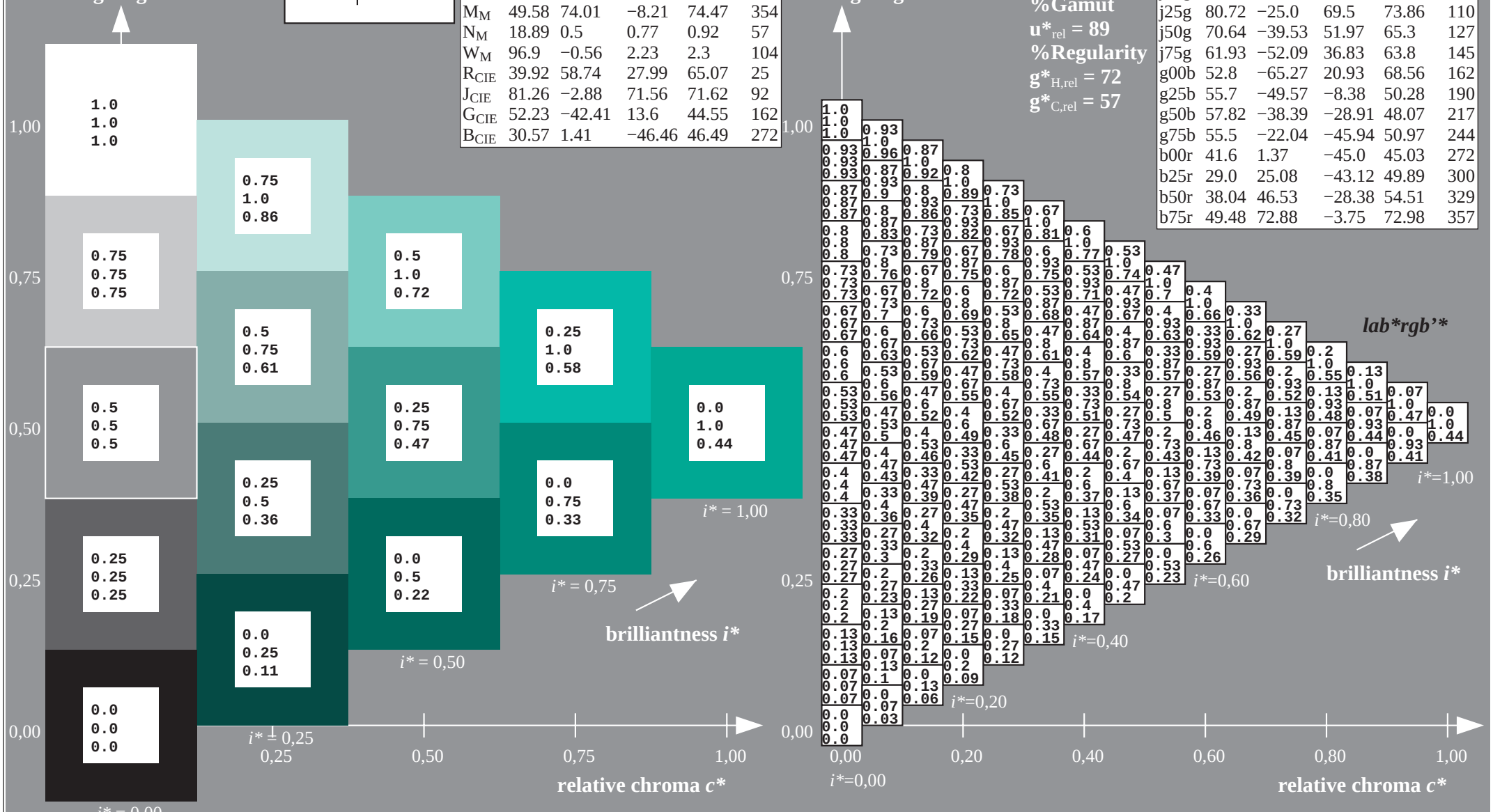
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

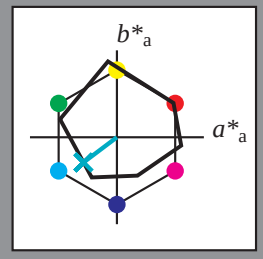
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$ *u* = g50b* *lab*rgb'**

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

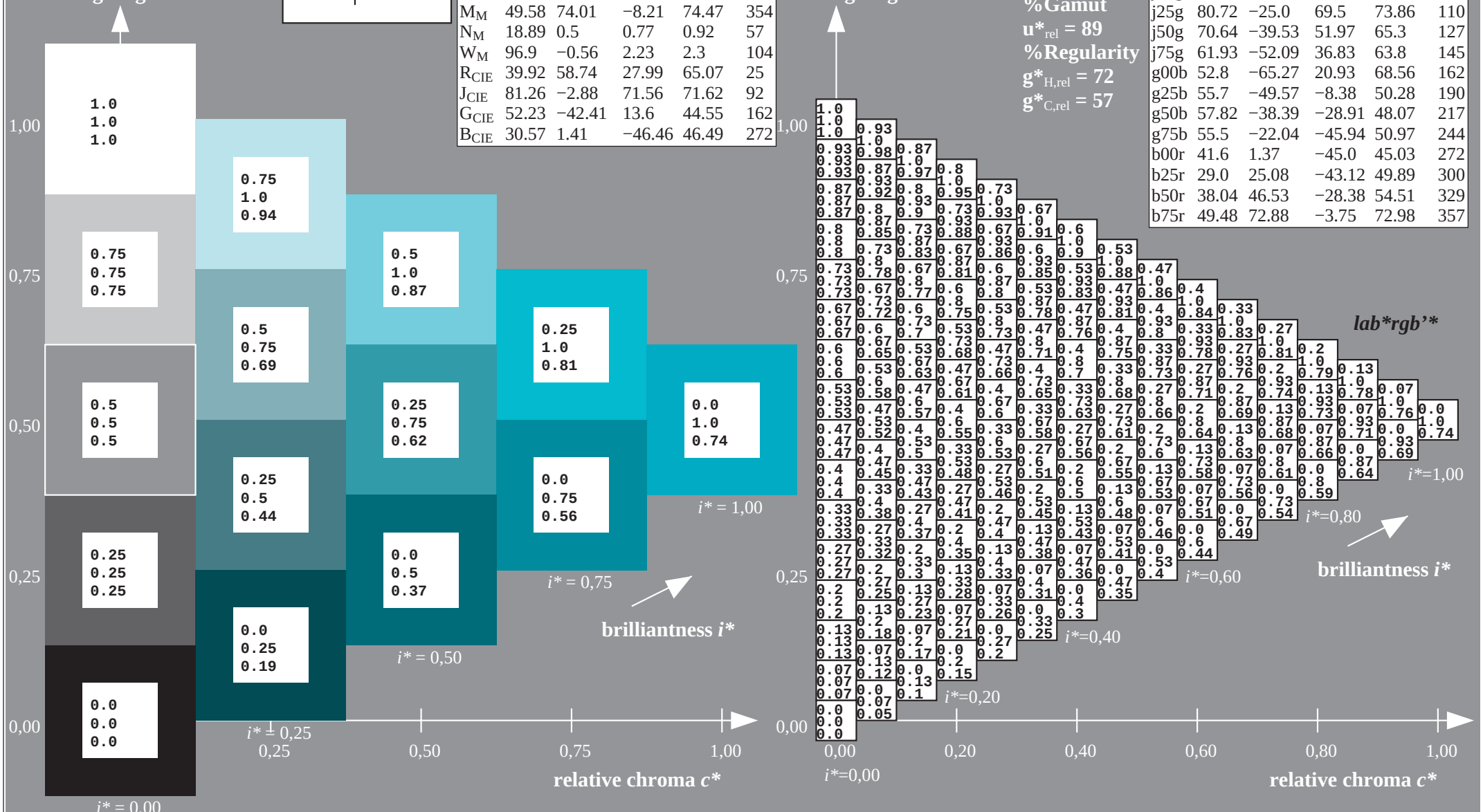
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

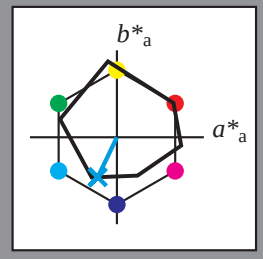
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$ *u* = g75b* *lab*rgb'**

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

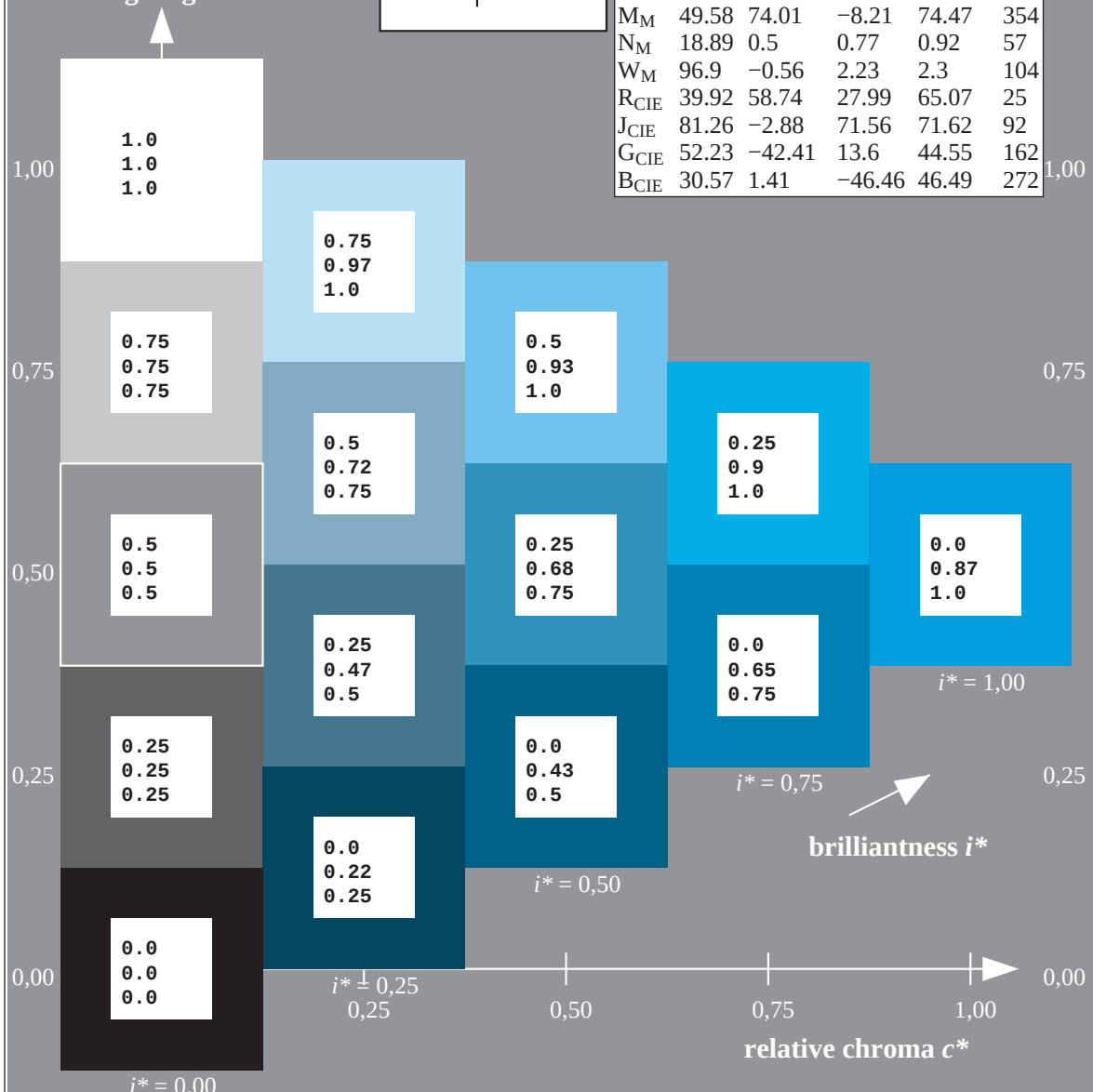
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

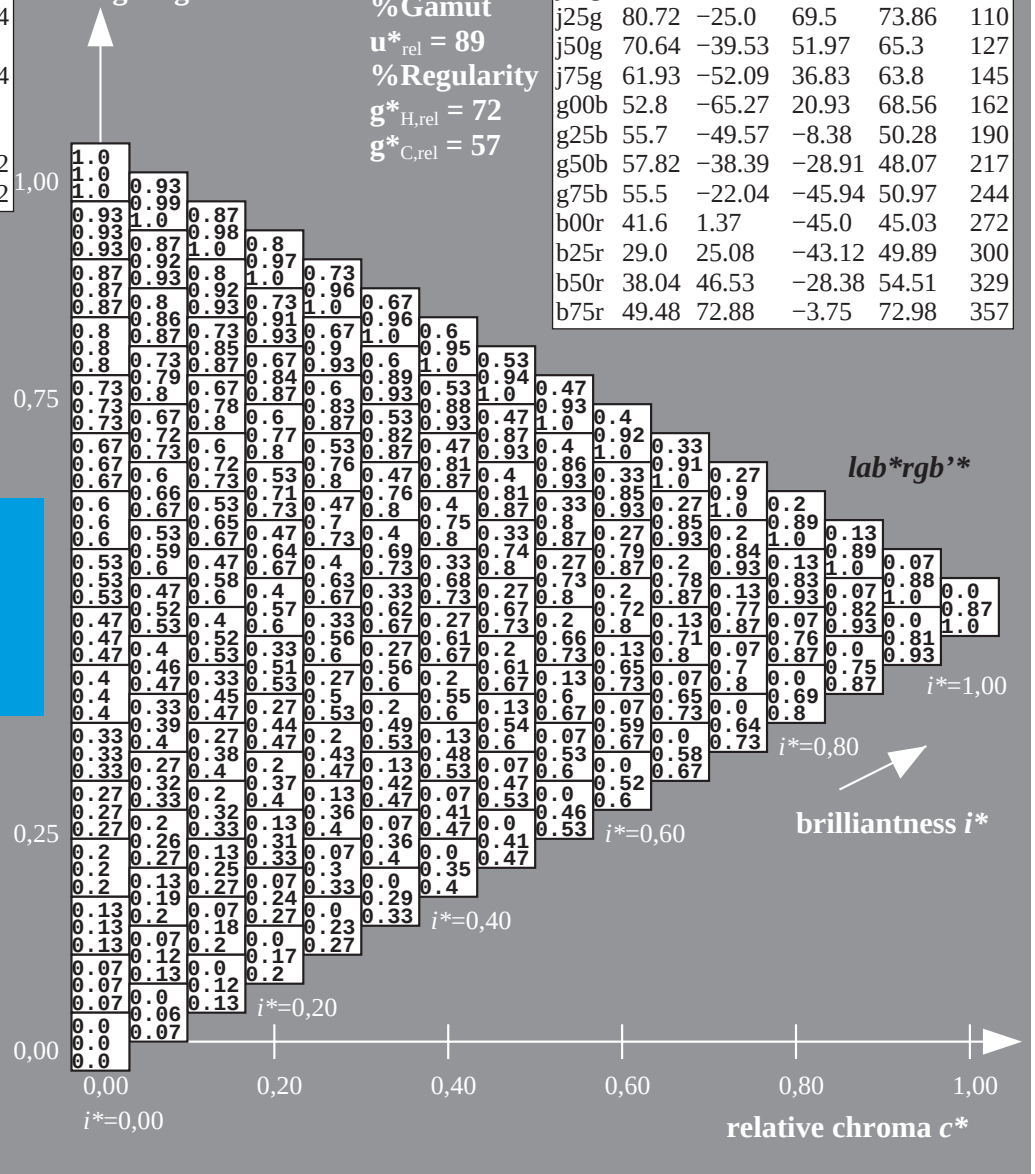
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 55 −21 −45**
***LAB*LCH*Ma*: 55 51 244**
***lab*rgb*Ma*: 0.0 0.5 1.0**
***lab*olv*Ma*: 0.0 0.87 1.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

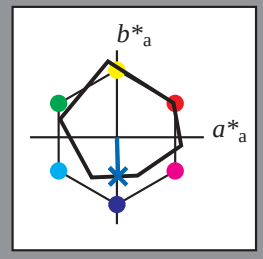
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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





Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h^* = lab^*h^* = $h_{ab}/360$ = 272/360 = 0.755 — ***u* = b00r*** — ***lab*rgb'****

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

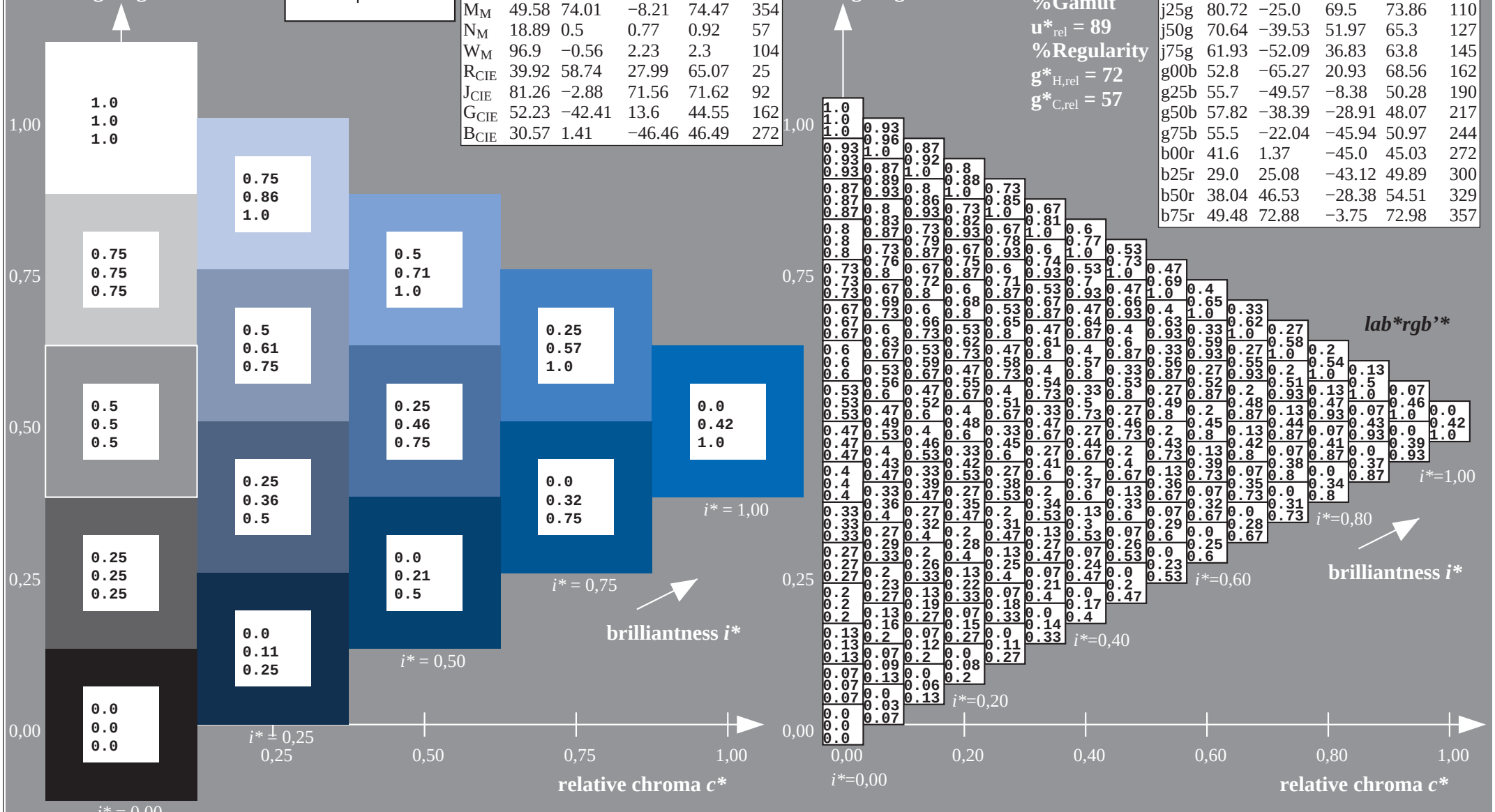
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

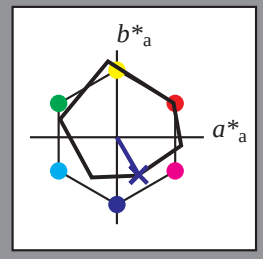
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 *u* = b25r*

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

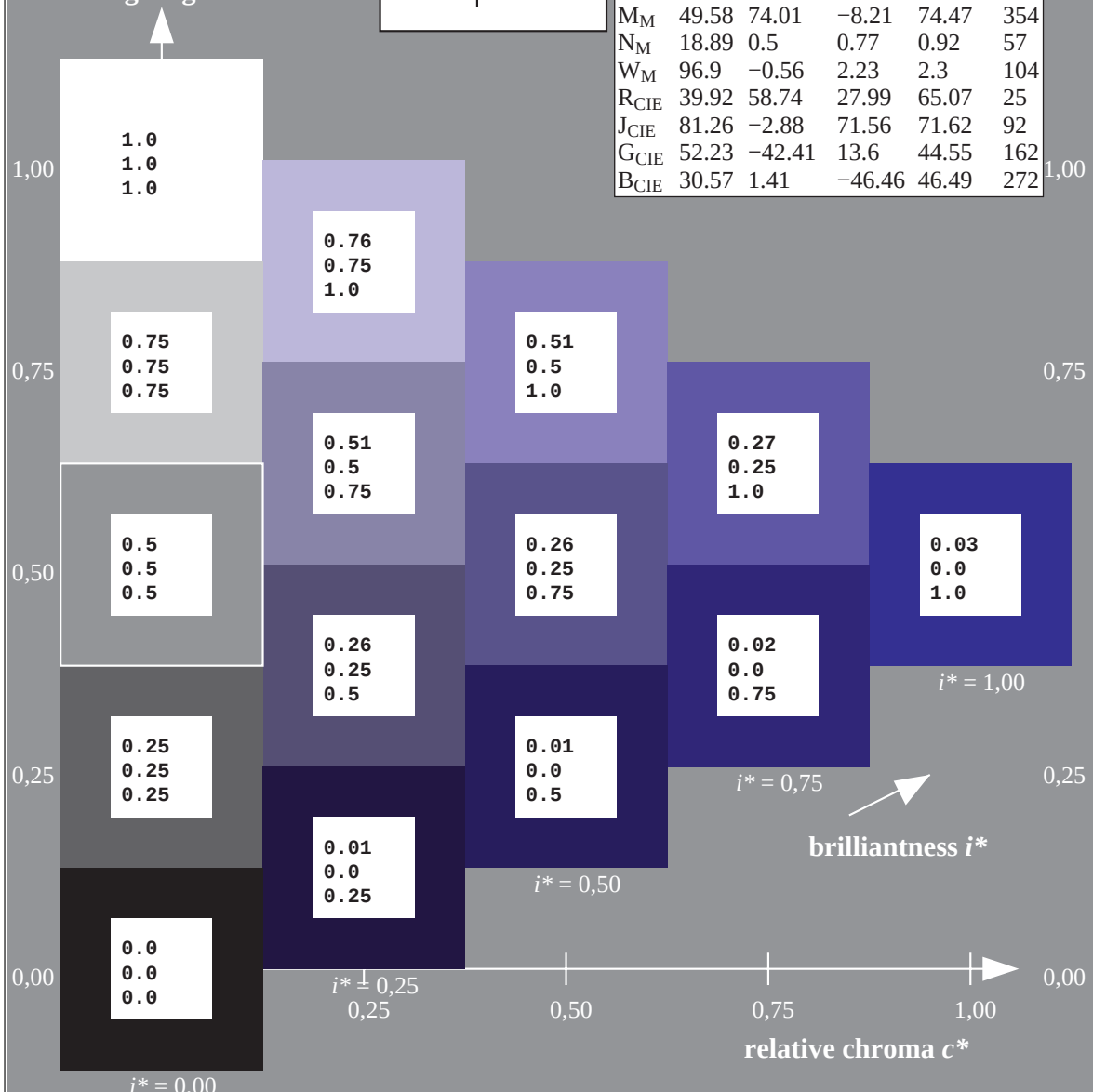
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

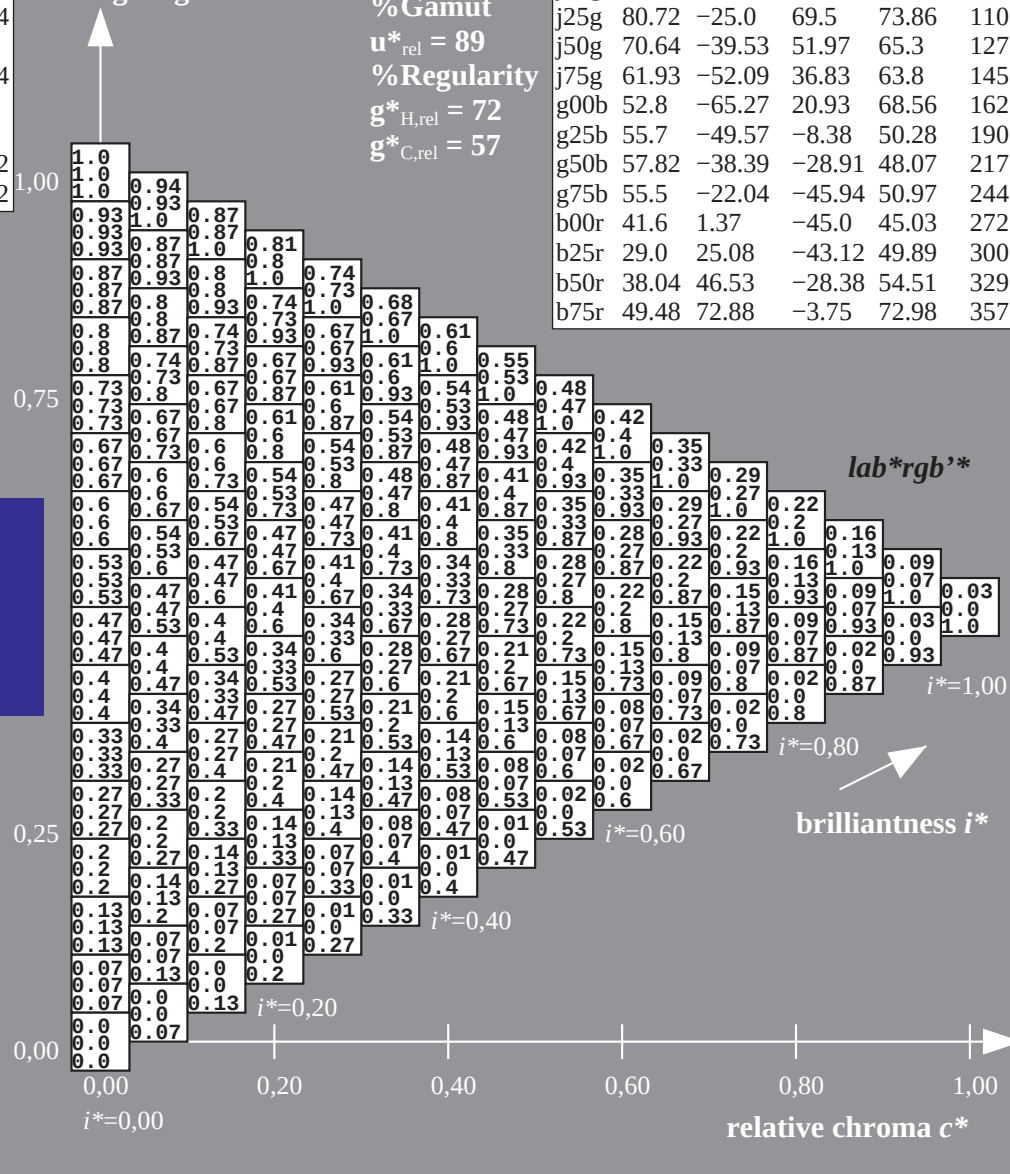
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 29 25 −42
*LAB*LCH**$_{Ma}$: 29 50 300
*lab*rgb**$_{Ma}$: 0.5 0.0 1.0
*lab*olv**$_{Ma}$: 0.03 0.0 1.0
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

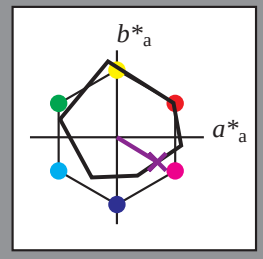
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 — ***u* = b50r lab*rgb'****

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

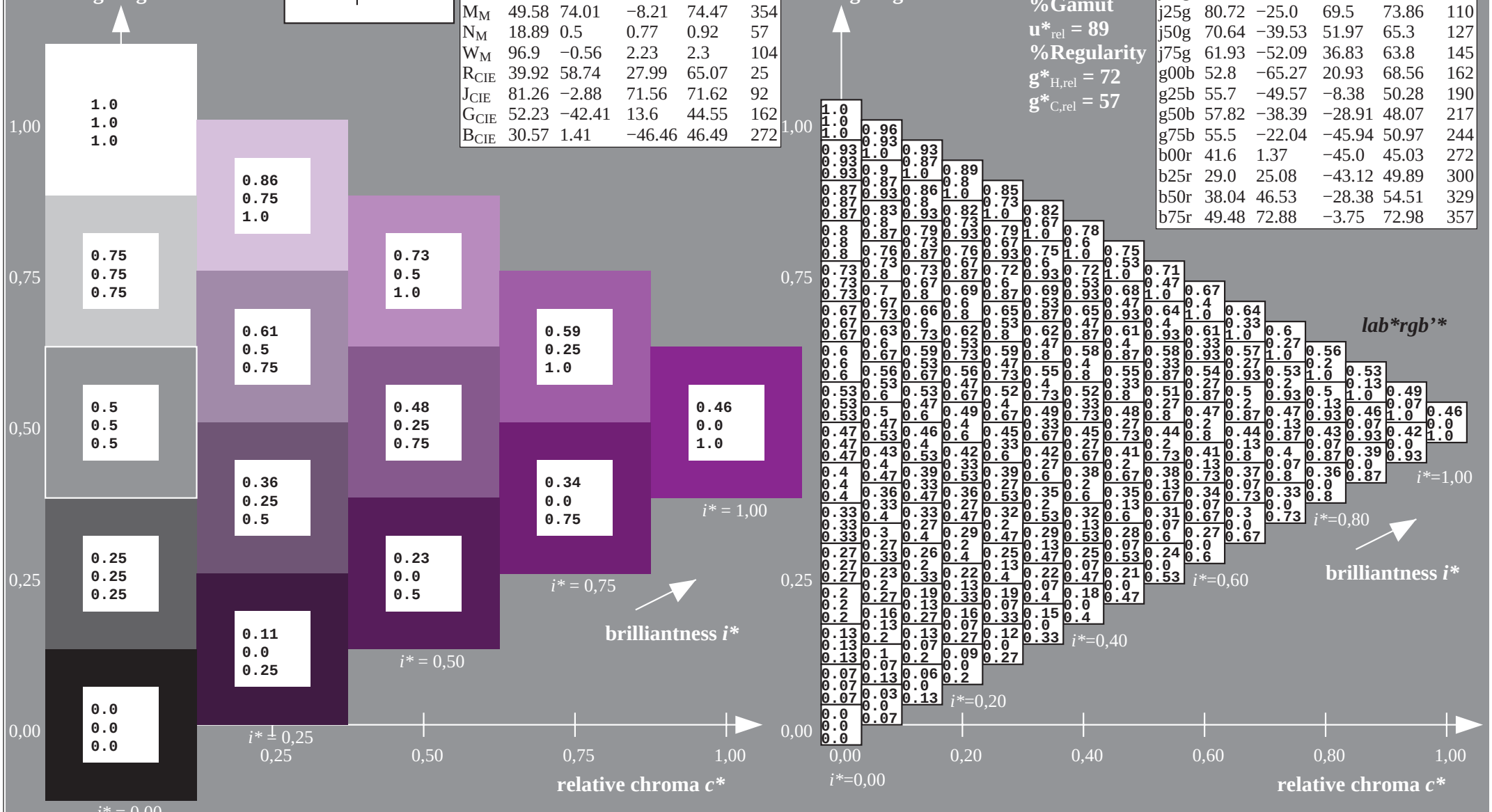
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

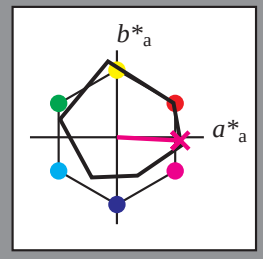
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$ *u* = b75r* *lab*rgb'**

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

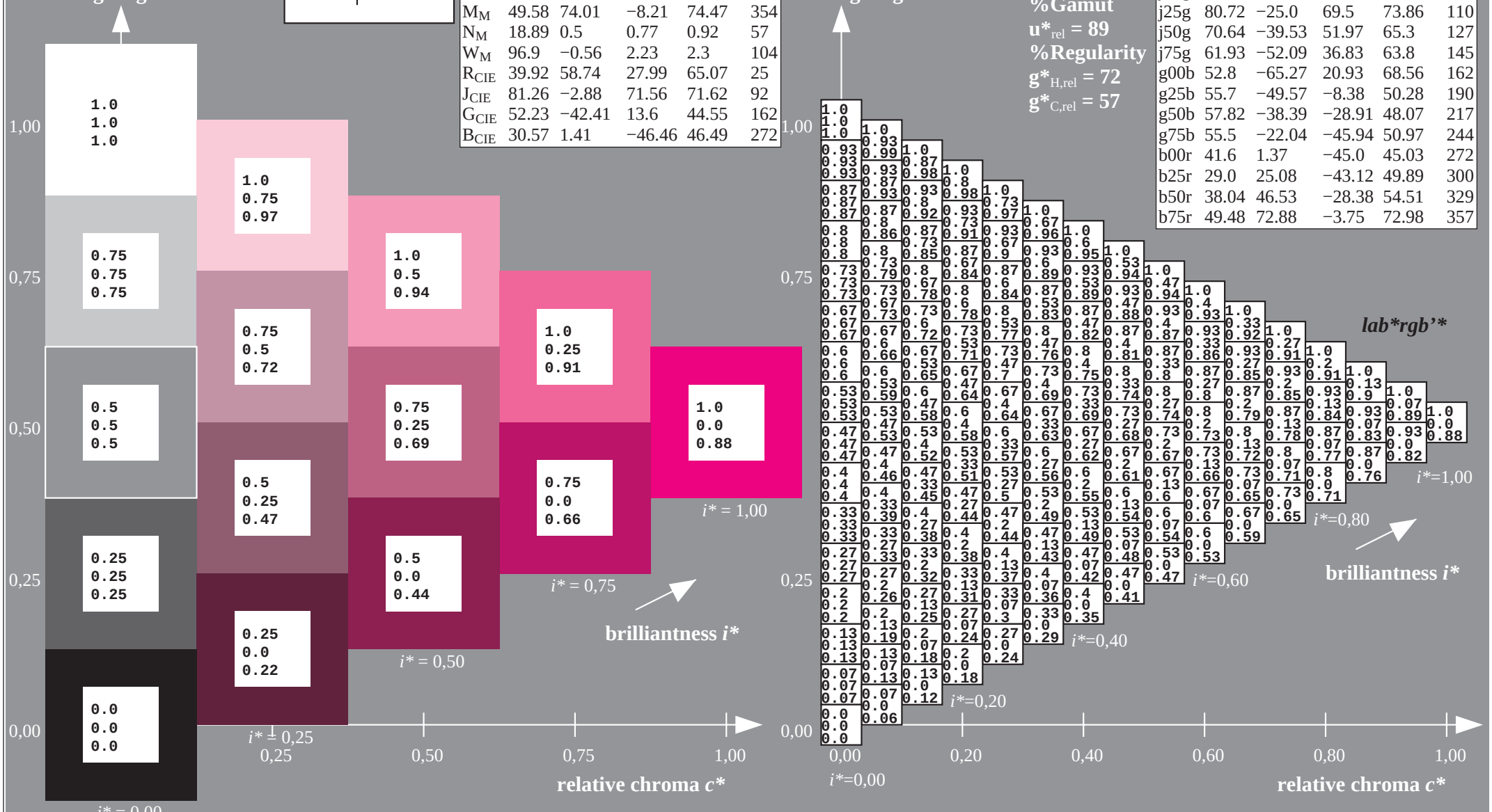
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

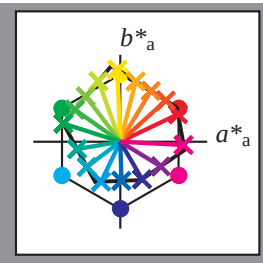



A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k lab*rgb'*
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

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

ORS19_96a; adapted (a) CIELAB data

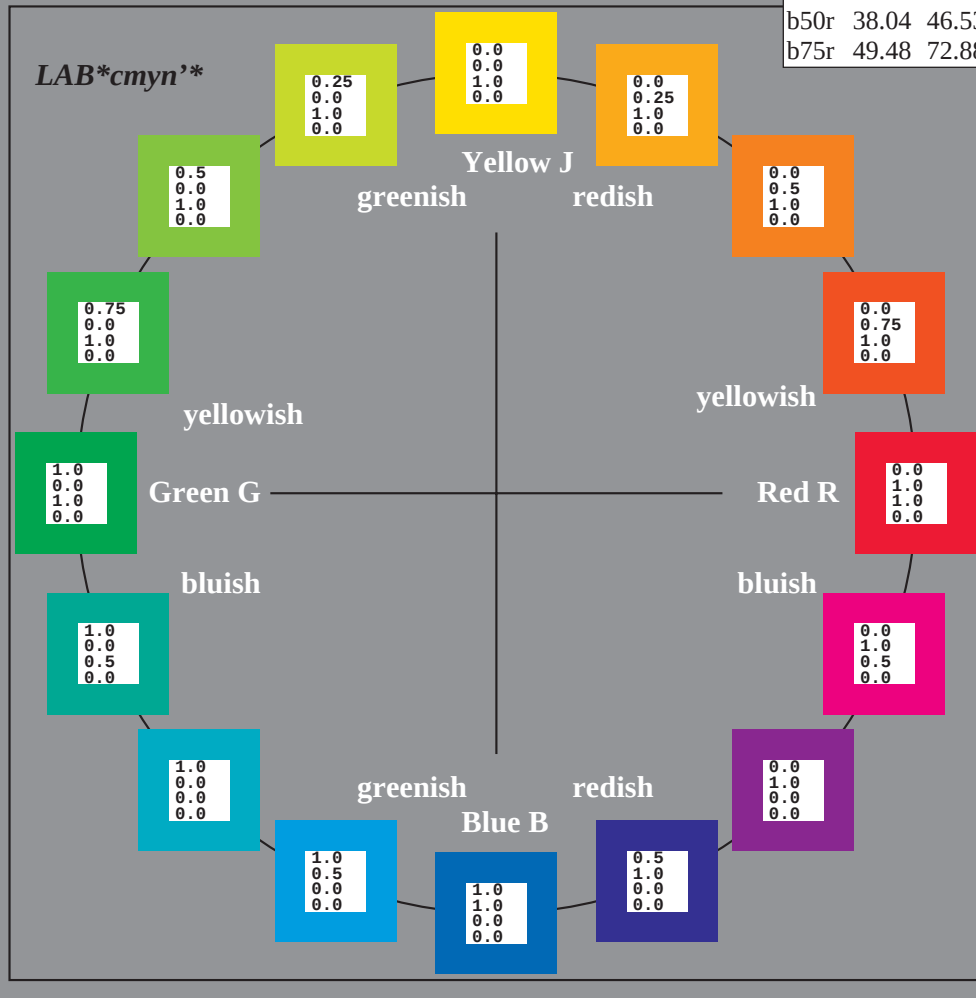
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357

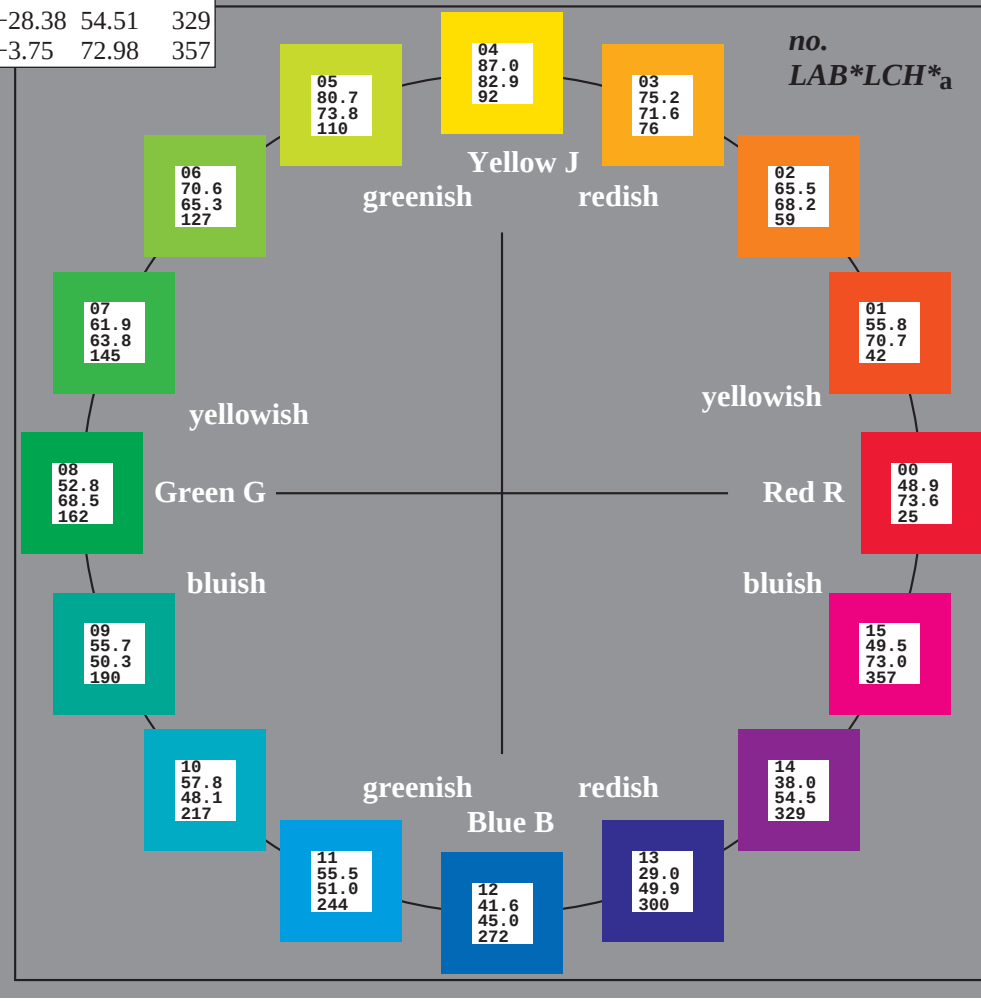


%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; CIELAB data

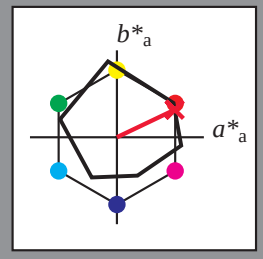
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272





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

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
u = r00j*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS19_96a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

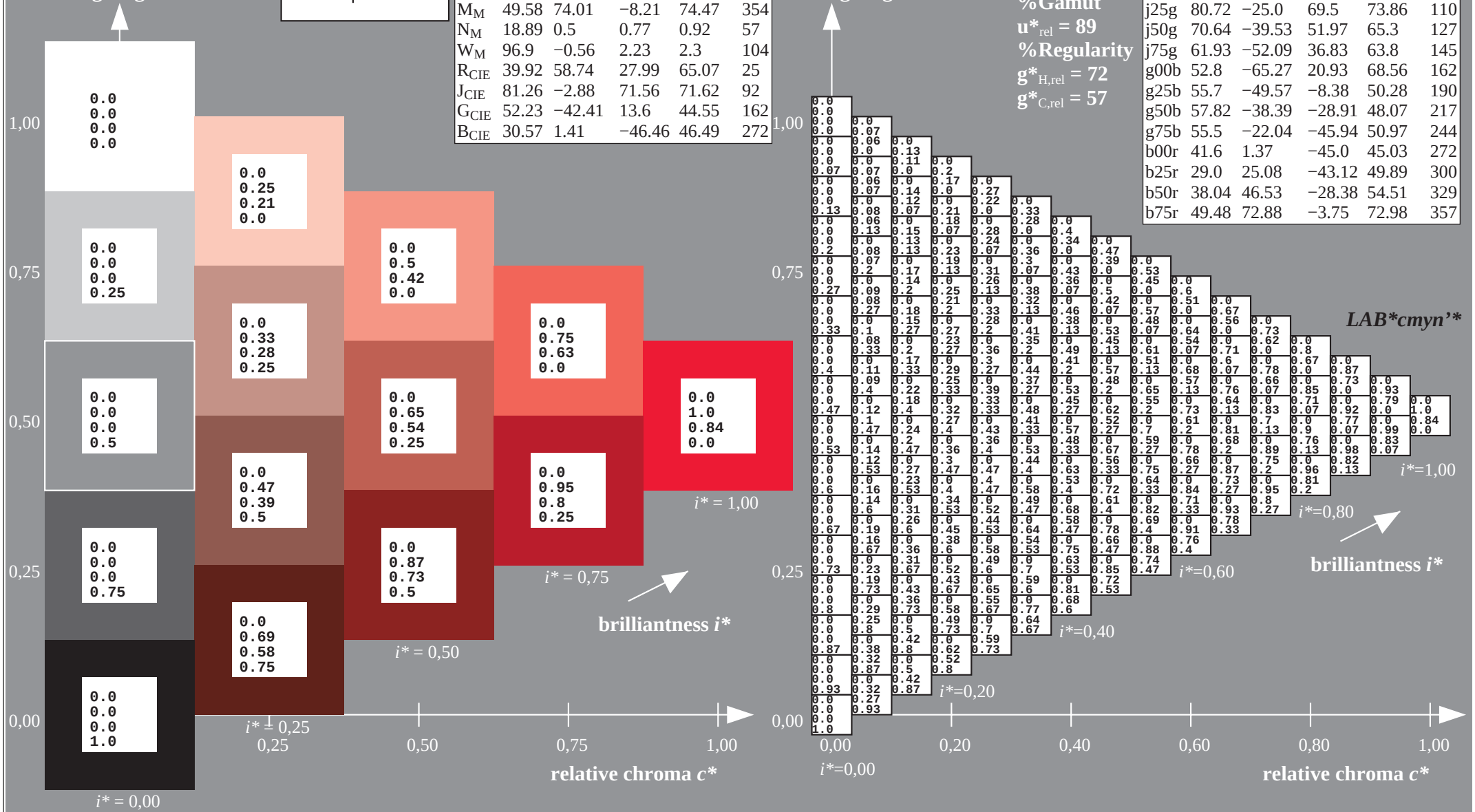
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 49 66 32**
***LAB*LCH*Ma*: 49 74 25**
***lab*rgb*Ma*: 1.0 0.0 0.0**
***lab*olv*Ma*: 1.0 0.0 0.16**
triangle lightness *t**

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

u* = r00j
LAB*cmyn'*

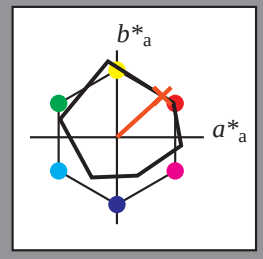
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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

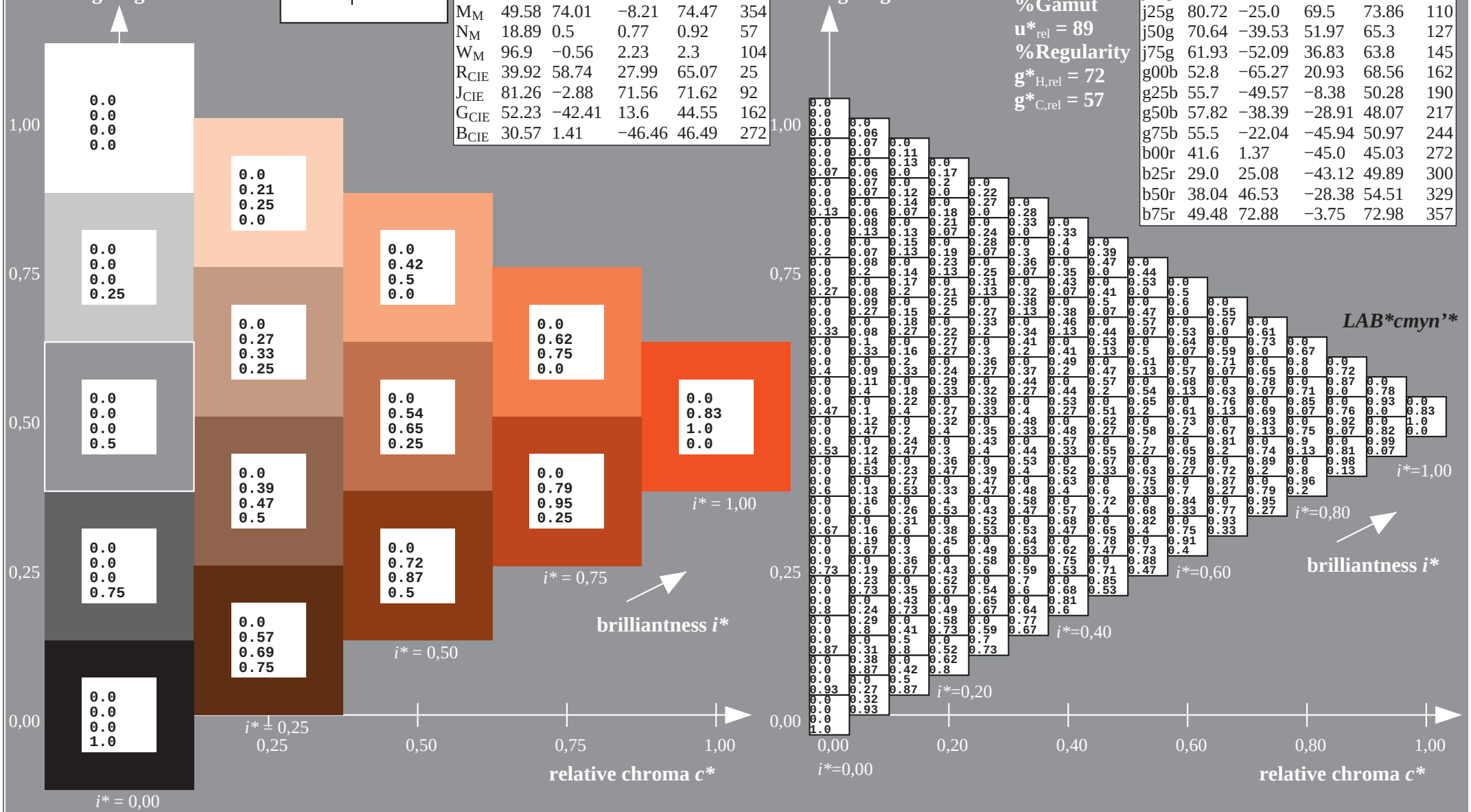
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

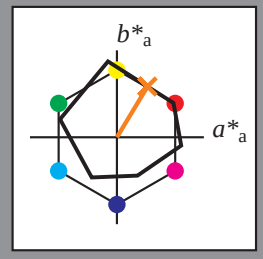
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h^* = lab^*h^* = $h_{ab}/360$ = 59/360 = 0.164 *u* = r50j*

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

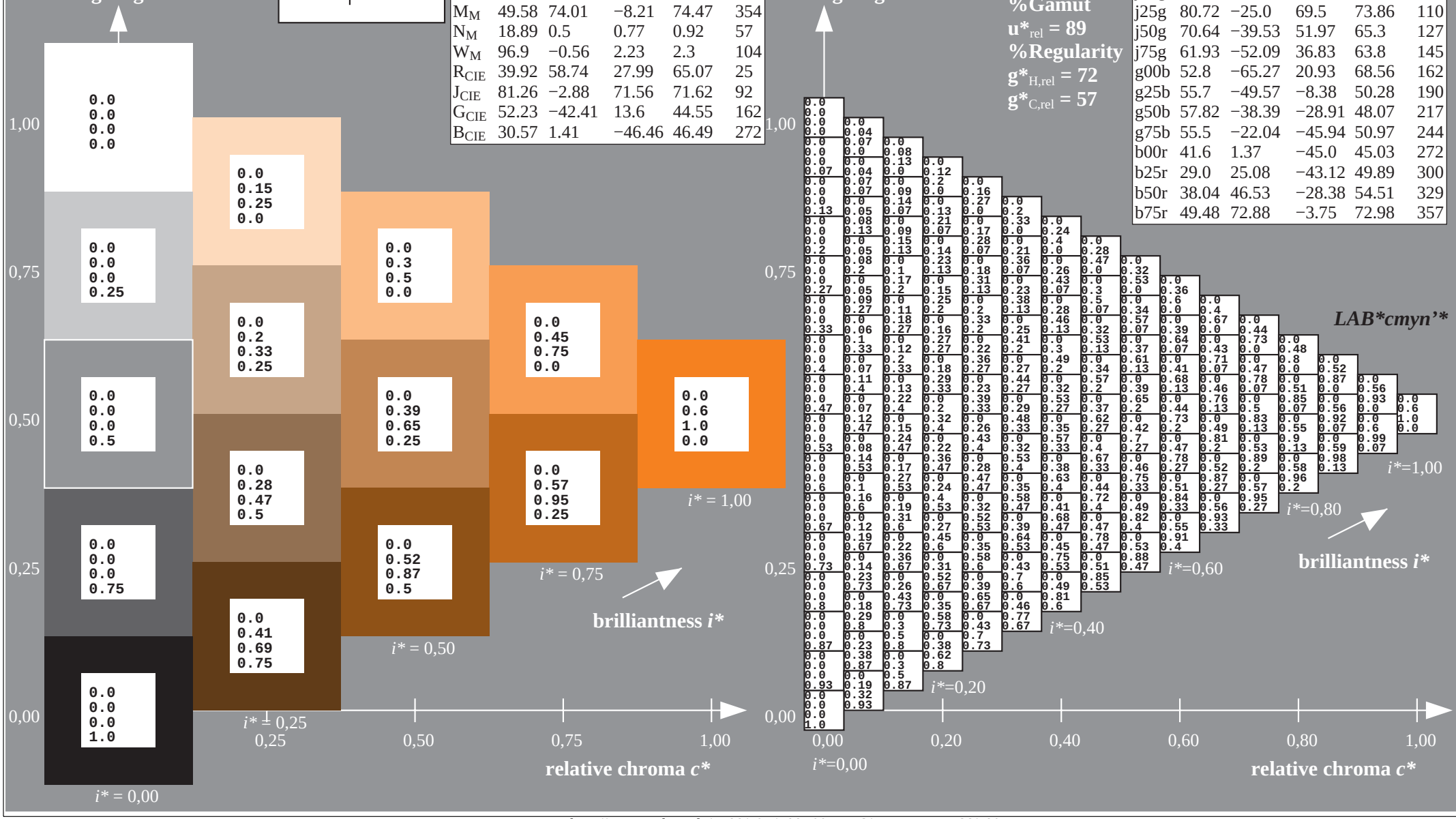
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

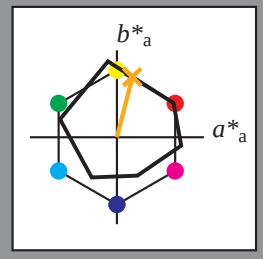
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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

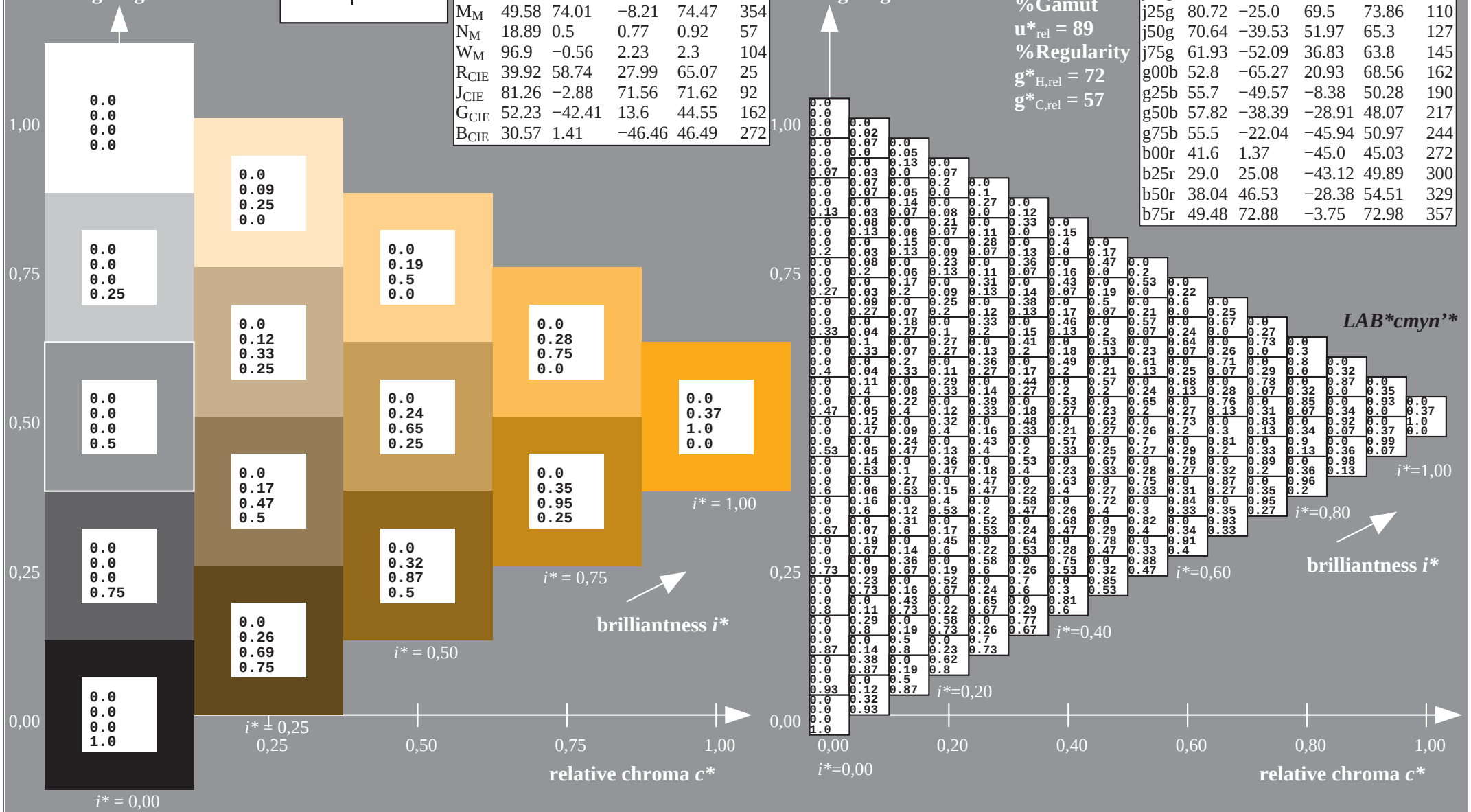
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

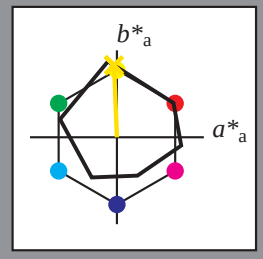
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h^* = lab^*h^* = $h_{ab}/360$ = 92/360 = 0.256 — ***u* = j00g LAB*cmyn'****

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u* = j00g
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96a; CIELAB data

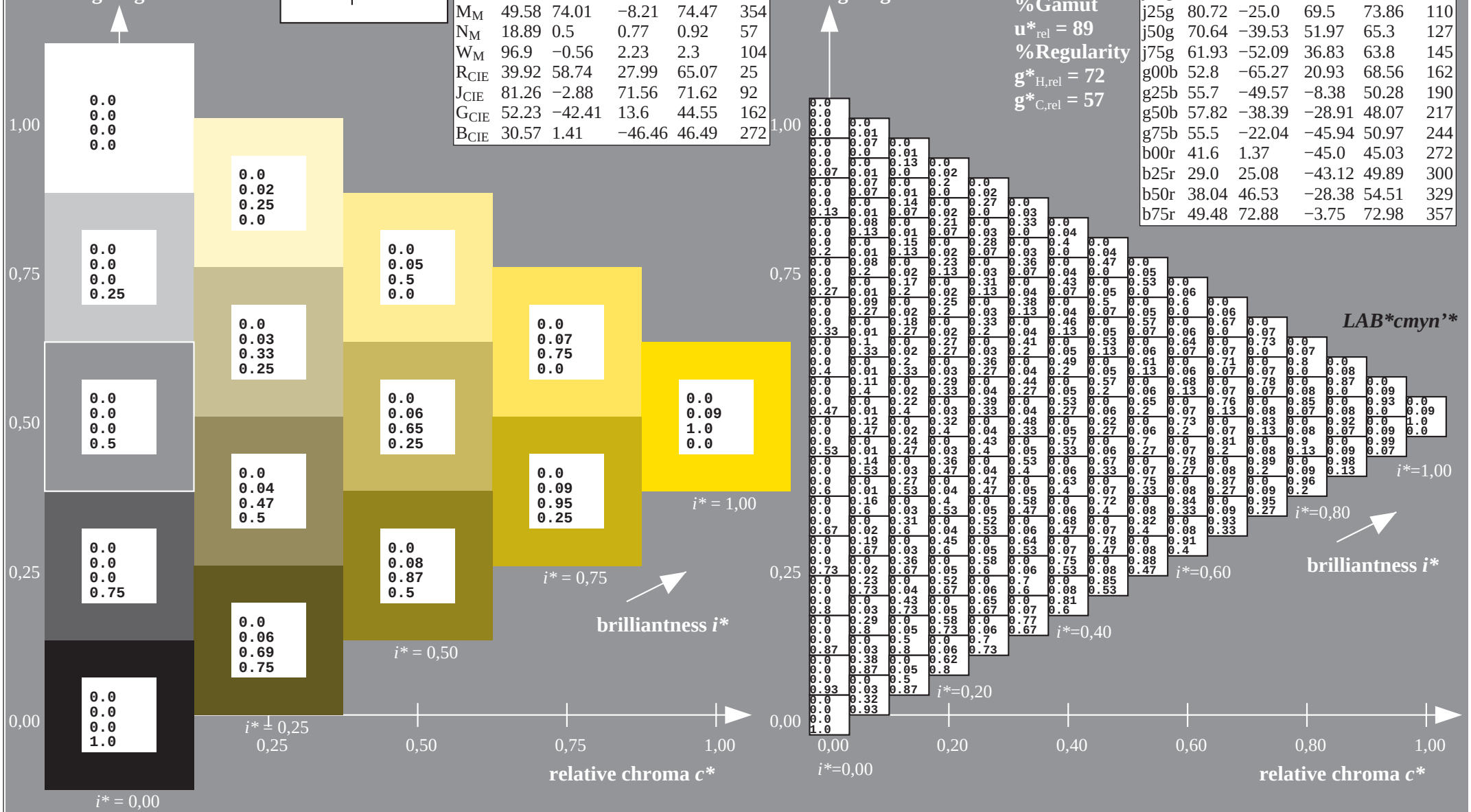
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

Data for maximum colour (Ma):
LAB*LAB*Ma: 87 −2 83
LAB*LCH*Ma: 87 83 92
lab*rgb*Ma: 1.0 1.0 0.0
lab*olv*Ma: 1.0 0.91 0.0
triangle lightness *t**

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

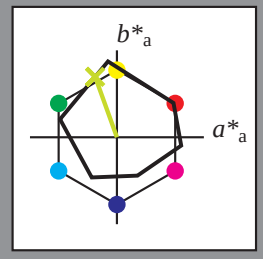
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	145
g00b	52.8	−65.27	20.93	68.56	162
g25b	55.7	−49.57	−8.38	50.28	190
g50b	57.82	−38.39	−28.91	48.07	217
g75b	55.5	−22.04	−45.94	50.97	244
b00r	41.6	1.37	−45.0	45.03	272
b25r	29.0	25.08	−43.12	49.89	300
b50r	38.04	46.53	−28.38	54.51	329
b75r	49.48	72.88	−3.75	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h^* = lab^*h^* = $h_{ab}/360$ = 110/360 = 0.305 *u* = j25g*

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

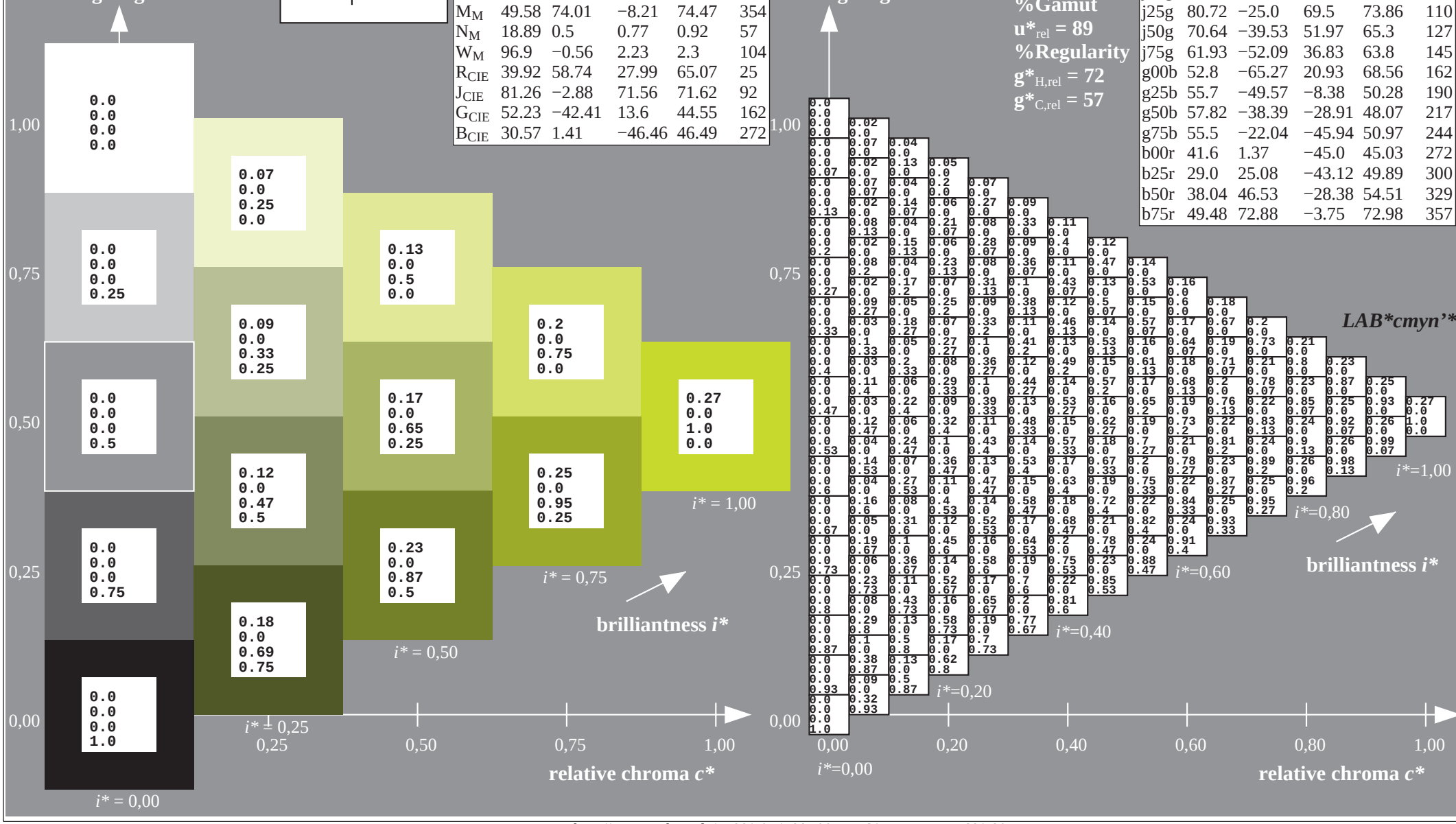
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

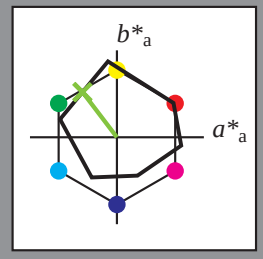
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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

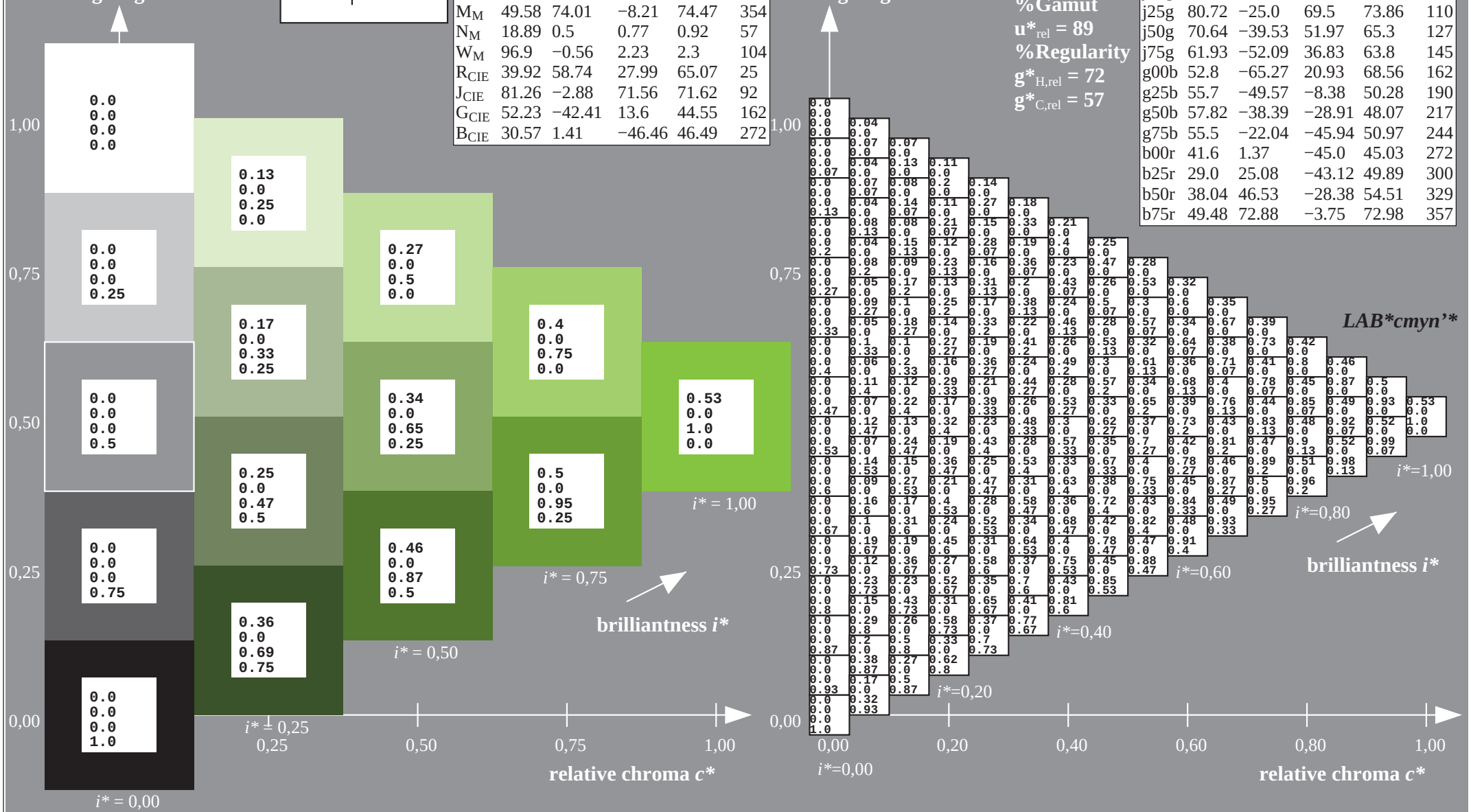
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 71 −39 52**
***LAB*LCH*Ma*: 71 65 127**
***lab*rgb*Ma*: 0.5 1.0 0.0**
***lab*olv*Ma*: 0.47 1.0 0.0**
triangle lightness *t**

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

u* = j50g
LAB*cmyn'*

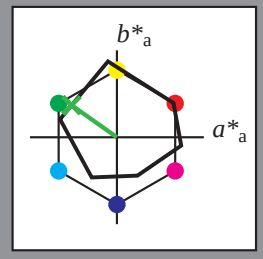
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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^* = $h_{ab}/360$ = 145/360 = 0.402 *u* = j75g*

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

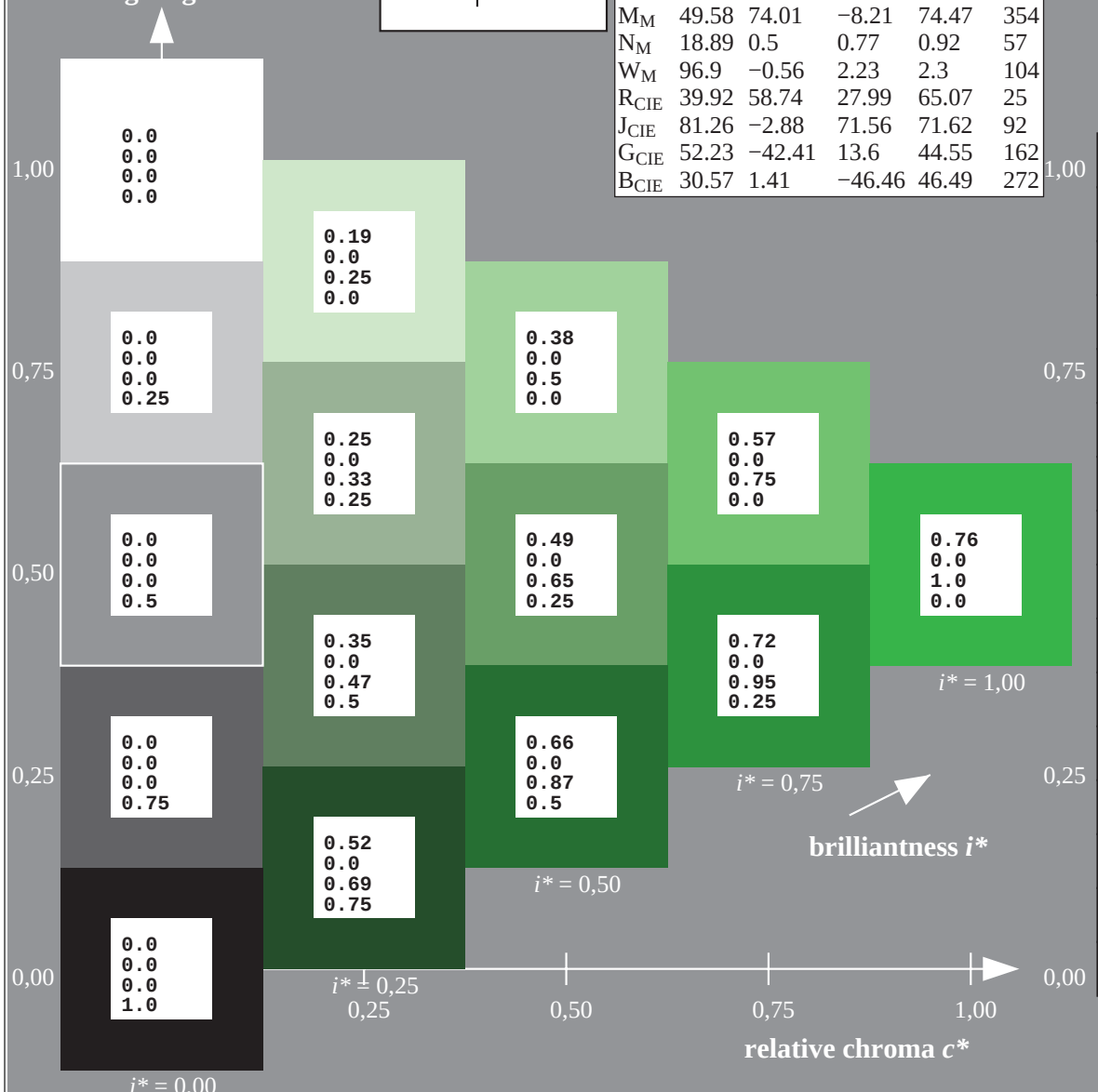
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

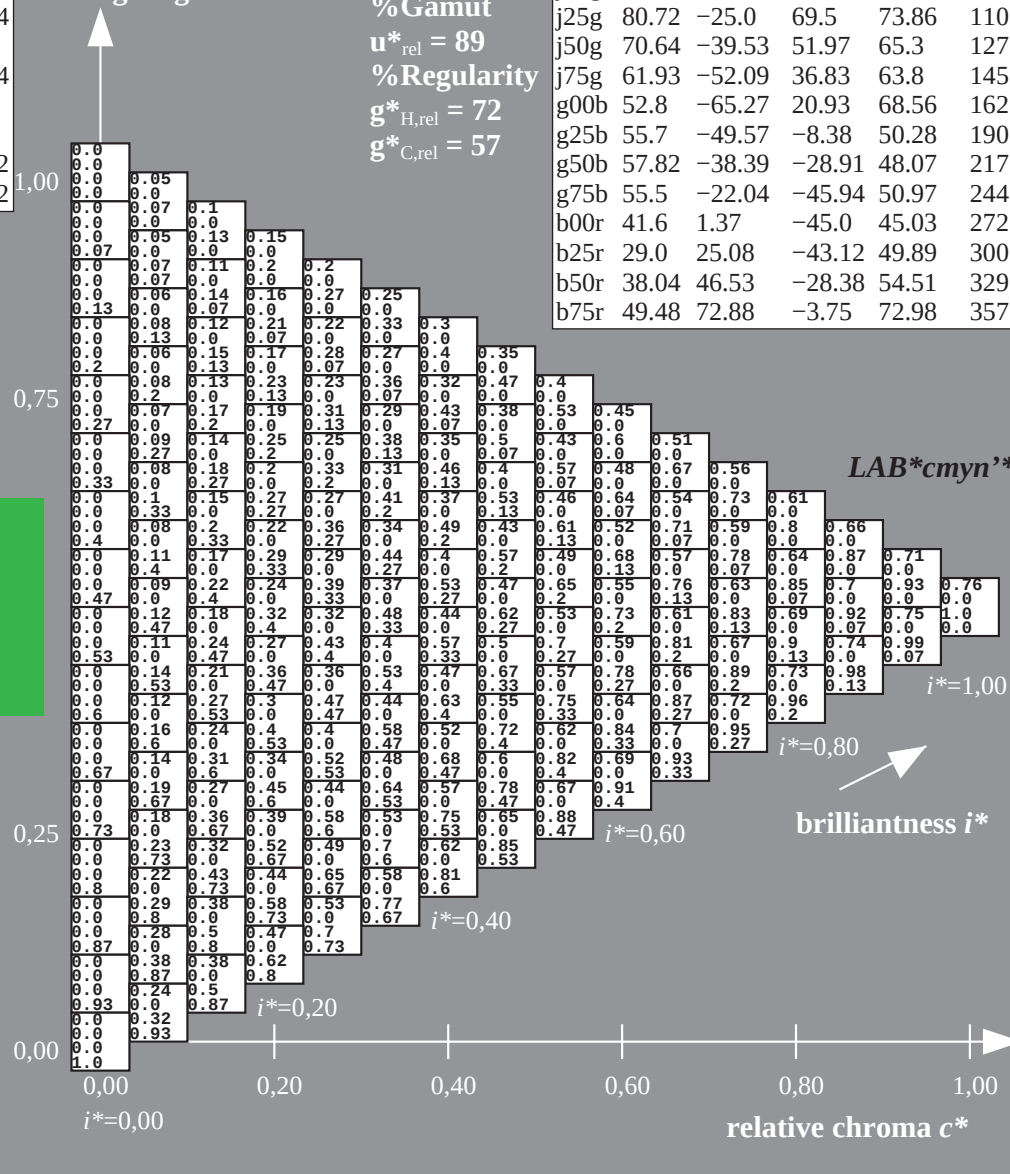
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 62 −51 37**
***LAB*LCH*Ma*: 62 64 145**
***lab*rgb*Ma*: 0.25 1.0 0.0**
***lab*olv*Ma*: 0.24 1.0 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

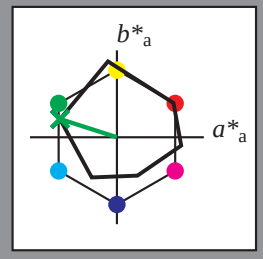
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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

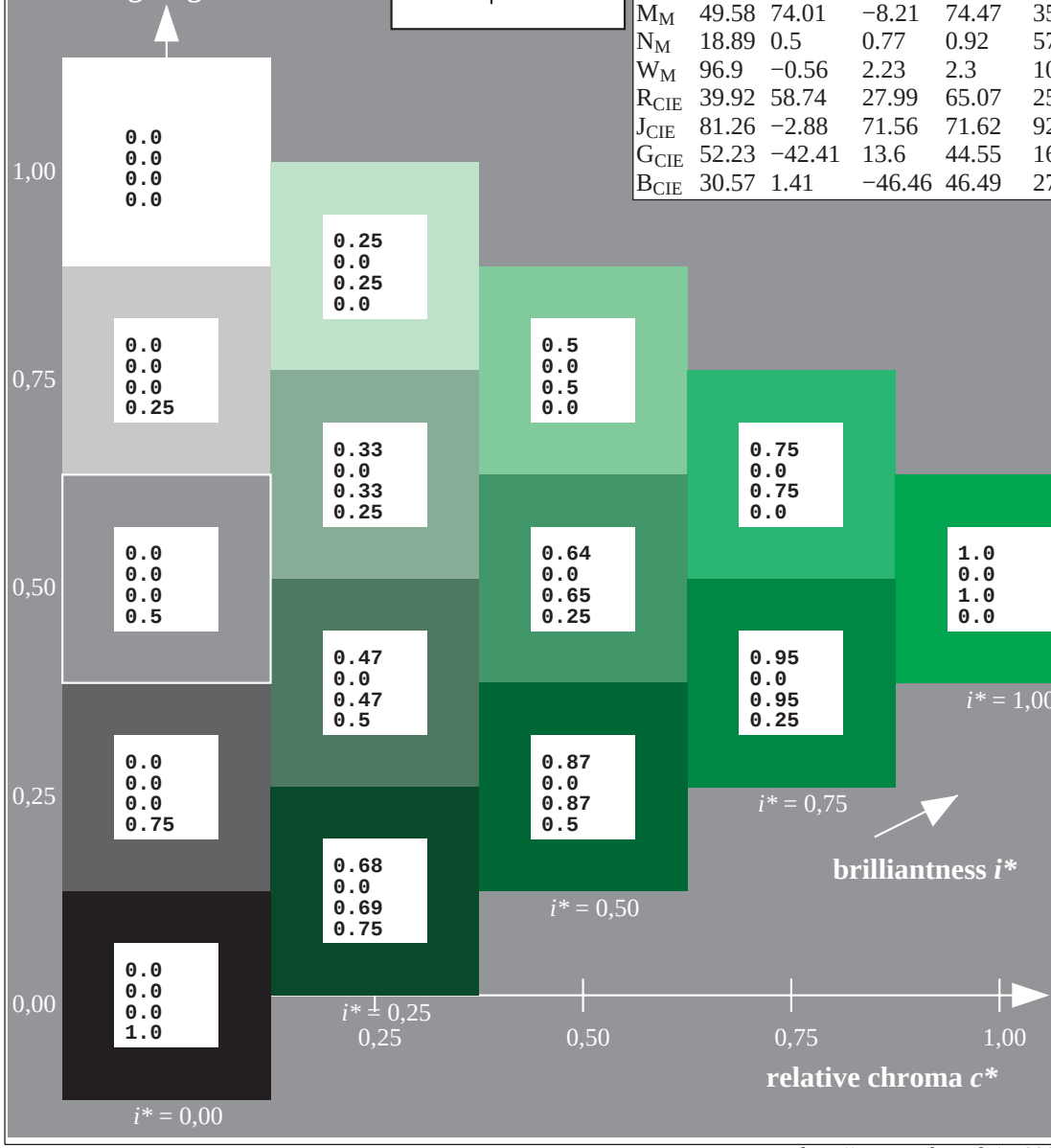
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 53 −64 21**
***LAB*LCH*Ma*: 53 69 162**
***lab*rgb*Ma*: 0.0 1.0 0.0**
***lab*olv*Ma*: 0.0 1.0 0.0**
triangle lightness *t**

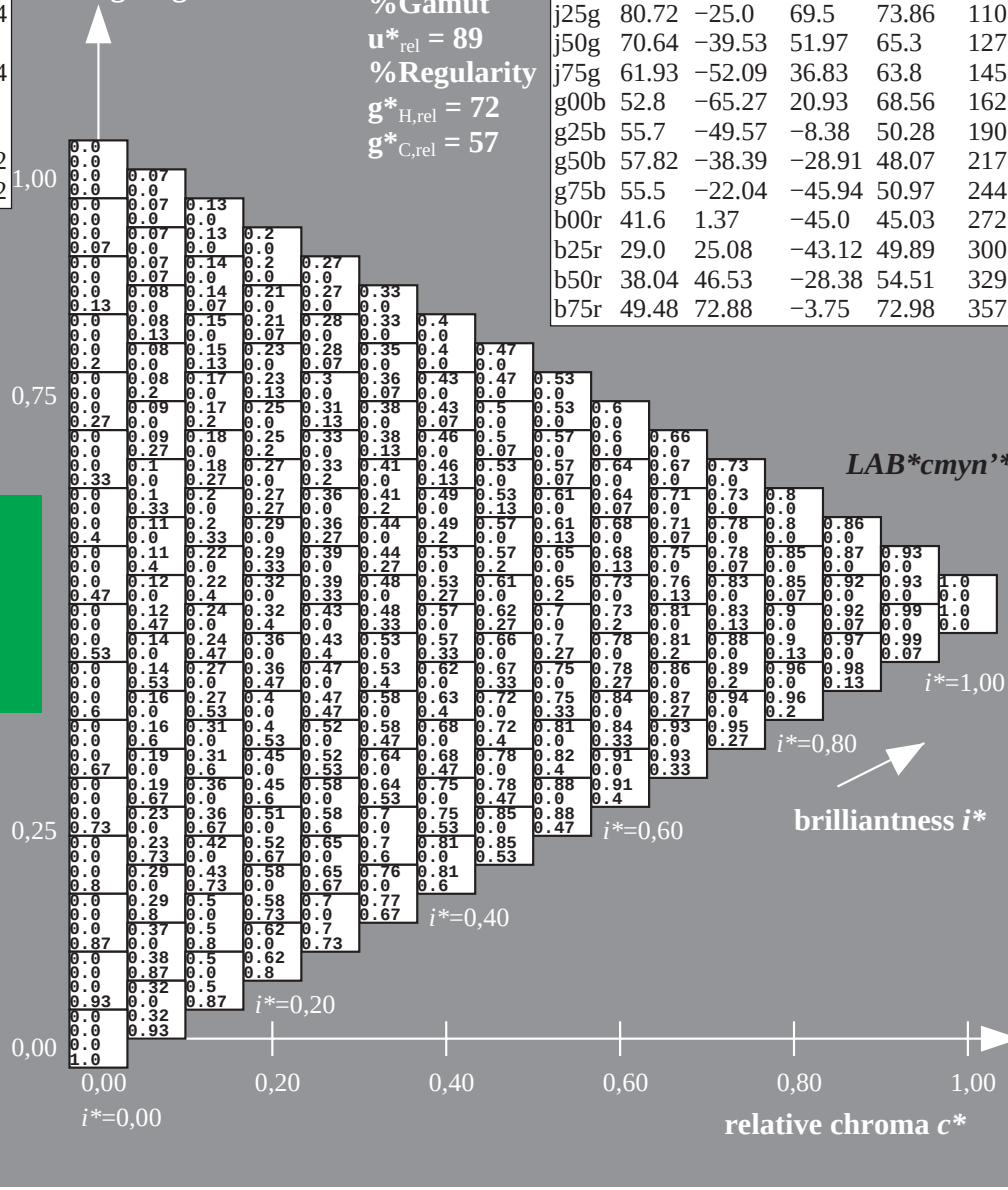
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u* = g00b
LAB*cmyn'*

ORS19_96a; adapted (a) CIELAB data

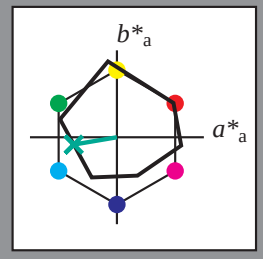
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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^* = $h_{ab}/360$ = 190/360 = 0.527 — ***u* = g25b***

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

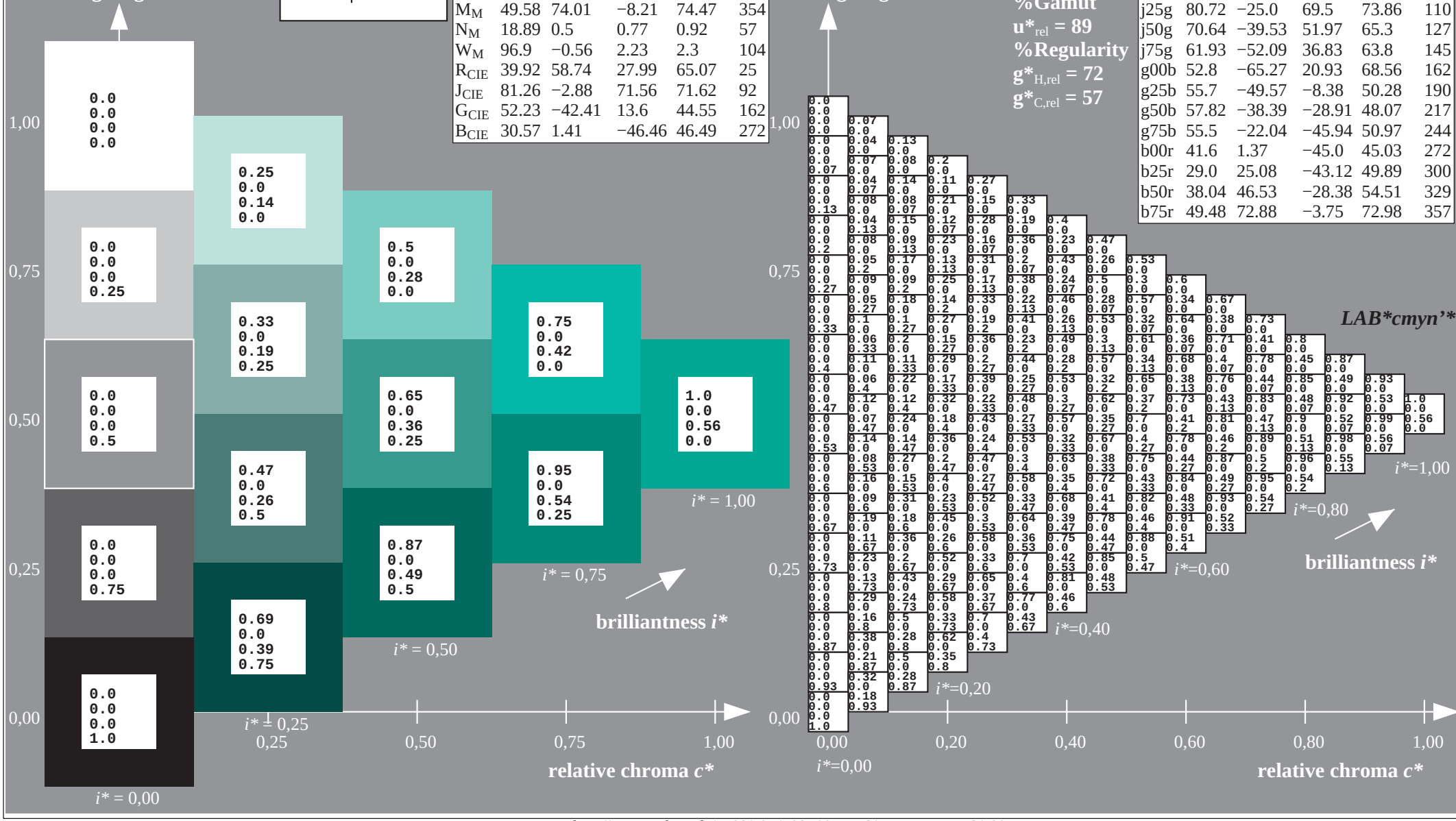
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 56 −49 −7
LAB*LCH*$_{Ma}$: 56 50 190
lab*rgb*$_{Ma}$: 0.0 1.0 0.5
lab*olv*$_{Ma}$: 0.0 1.0 0.44
triangle lightness *t**

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

u* = g25b
LAB*cmyn'*

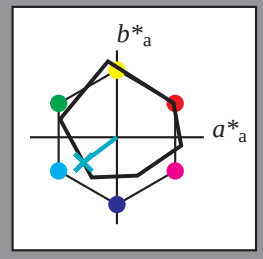
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 *u* = g50b*

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

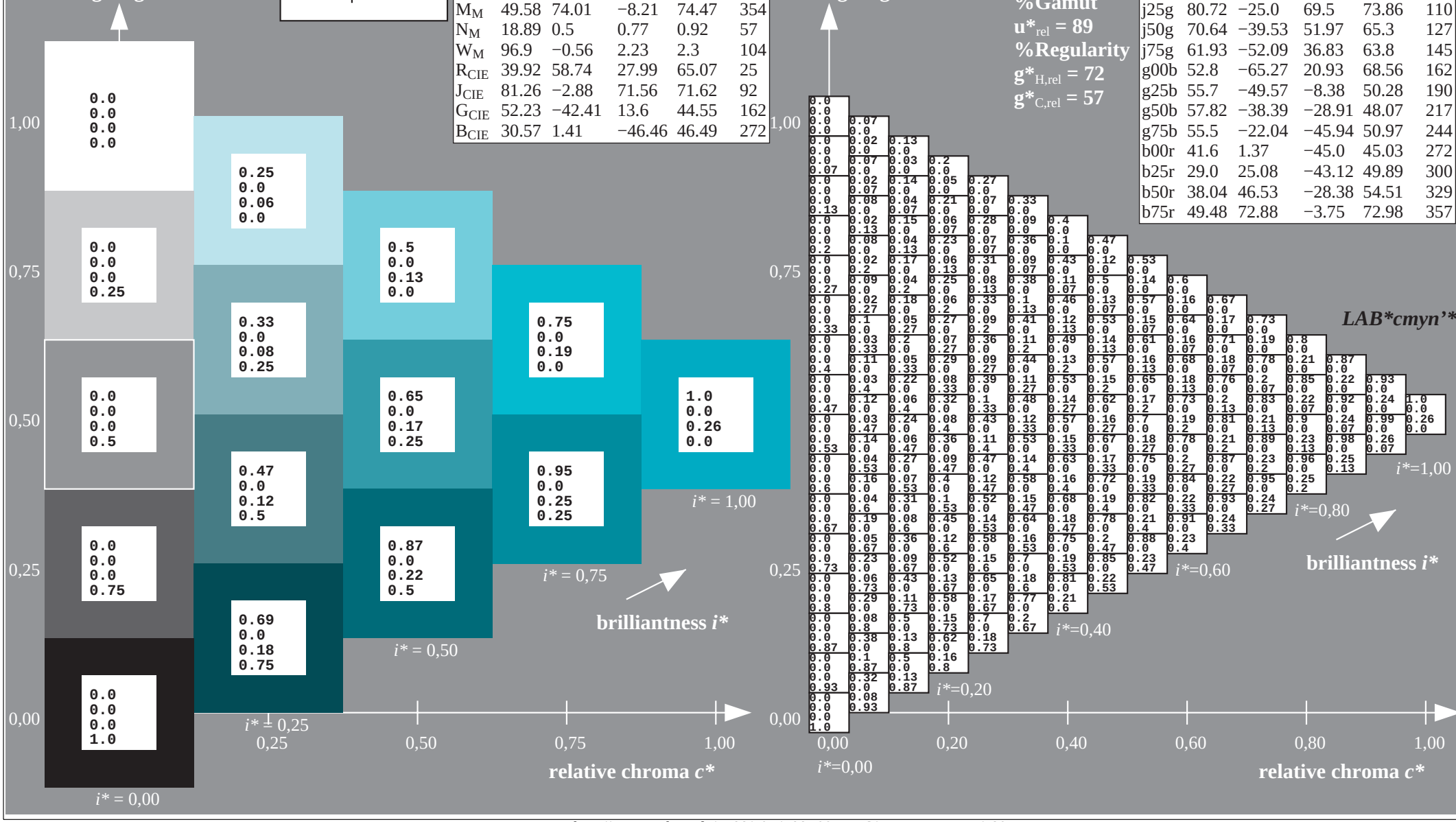
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

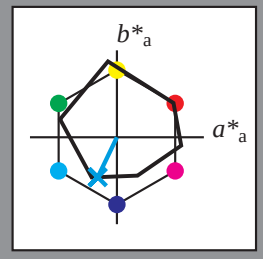
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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 — ***u* = g75b LAB*cmyn'****

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

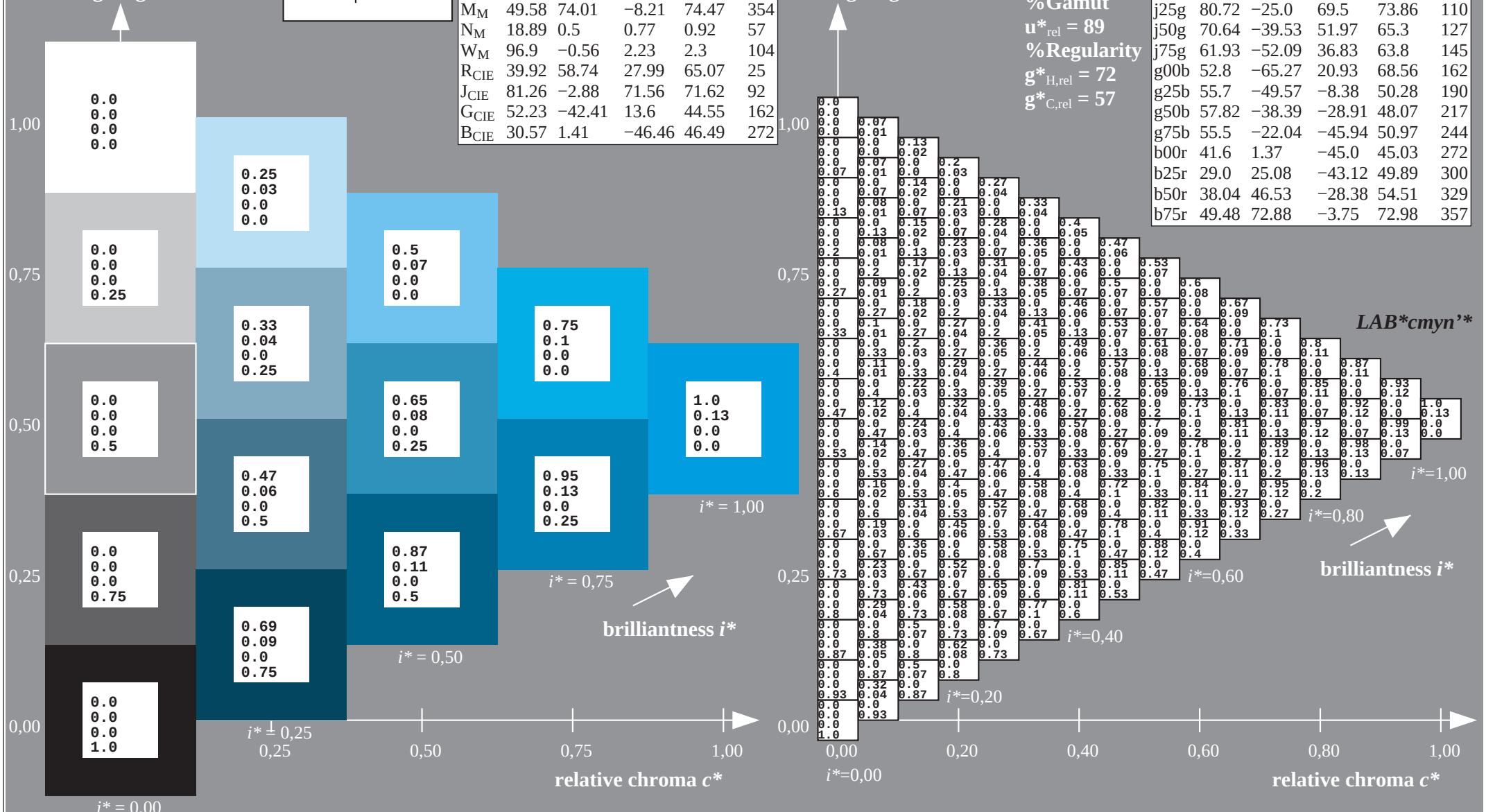
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

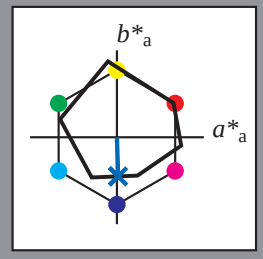
ORS19_96a; adapted (a) CIELAB data

	$L^*=L^*_a$	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



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue h^* = lab^*h^* = $h_{ab}/360$ = 272/360 = 0.755 — ***u* = b00r*** — ***LAB*cmyn'****

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

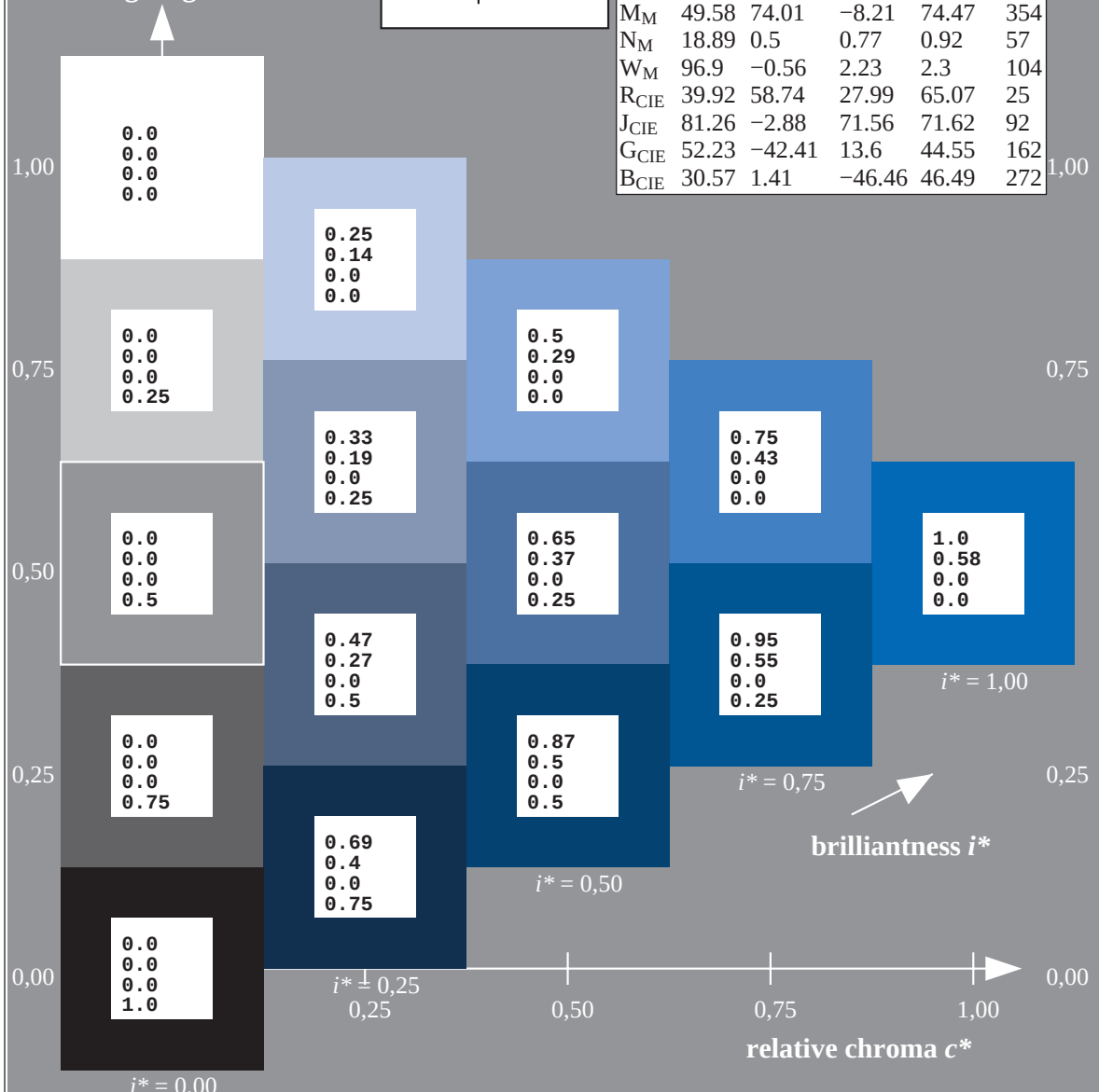
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

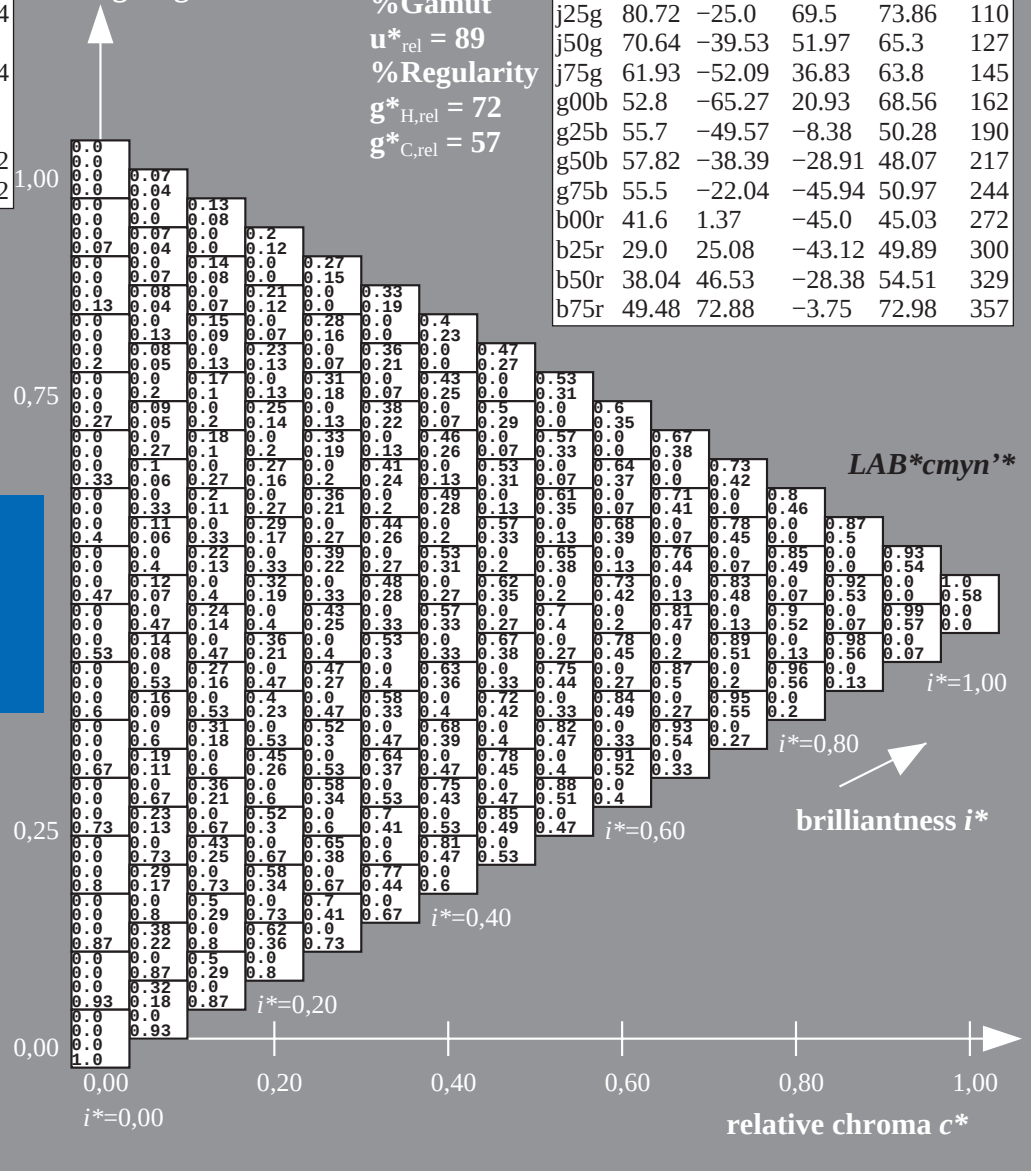
Data for maximum colour (Ma):
LAB*LAB*Ma: 42 1 −44
LAB*LCH*Ma: 42 45 272
lab*rgb*Ma: 0.0 0.0 1.0
lab*olv*Ma: 0.0 0.42 1.0
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

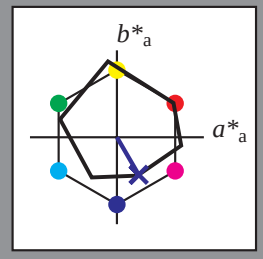
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$ *u* = b25r*

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

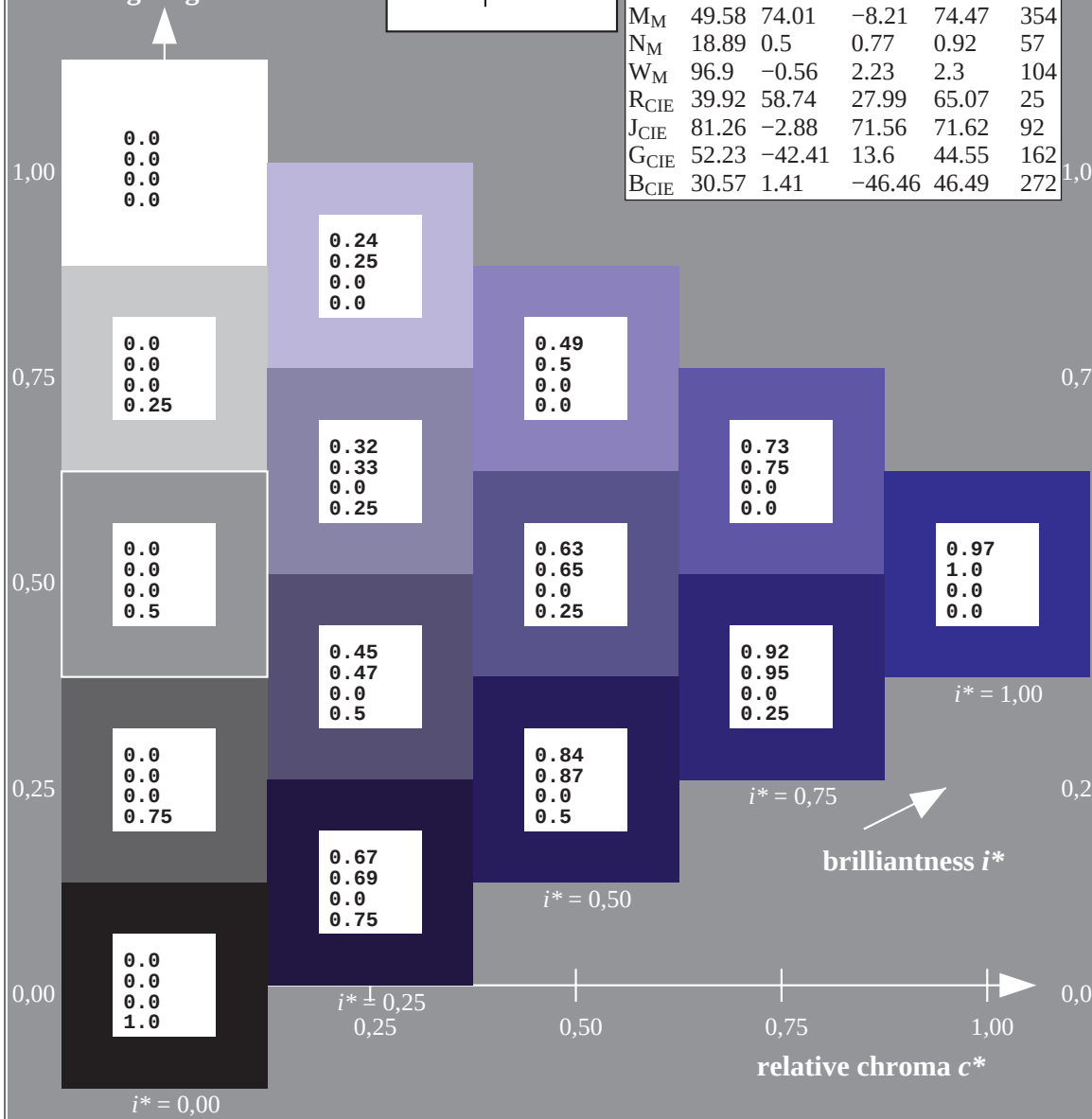
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

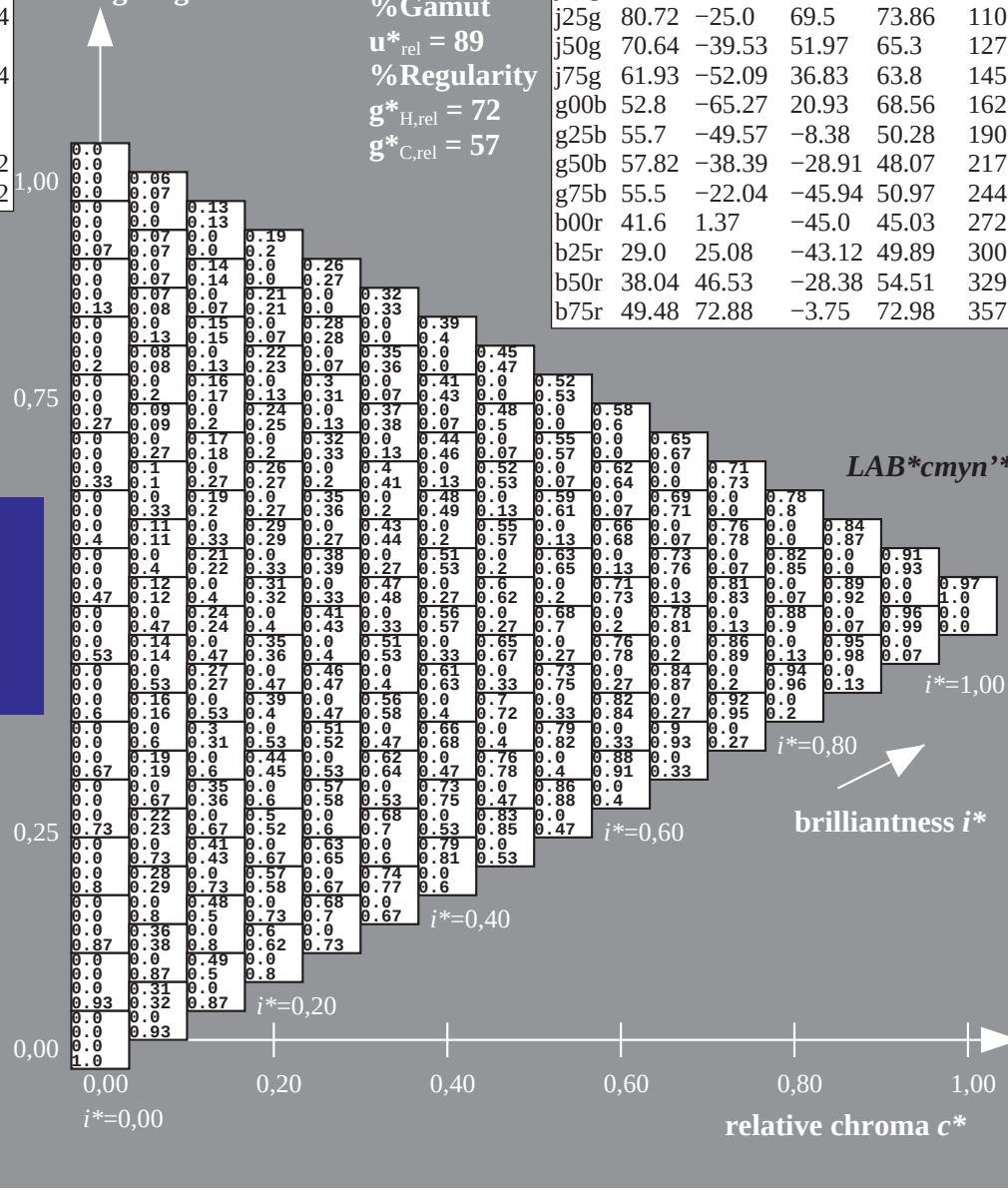
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 29 25 −42
$LAB^*LCH^*_{Ma}$: 29 50 300
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0
$lab^*olv^*_{Ma}$: 0.03 0.0 1.0
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

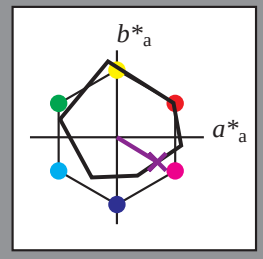
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$ *u* = b50r*

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

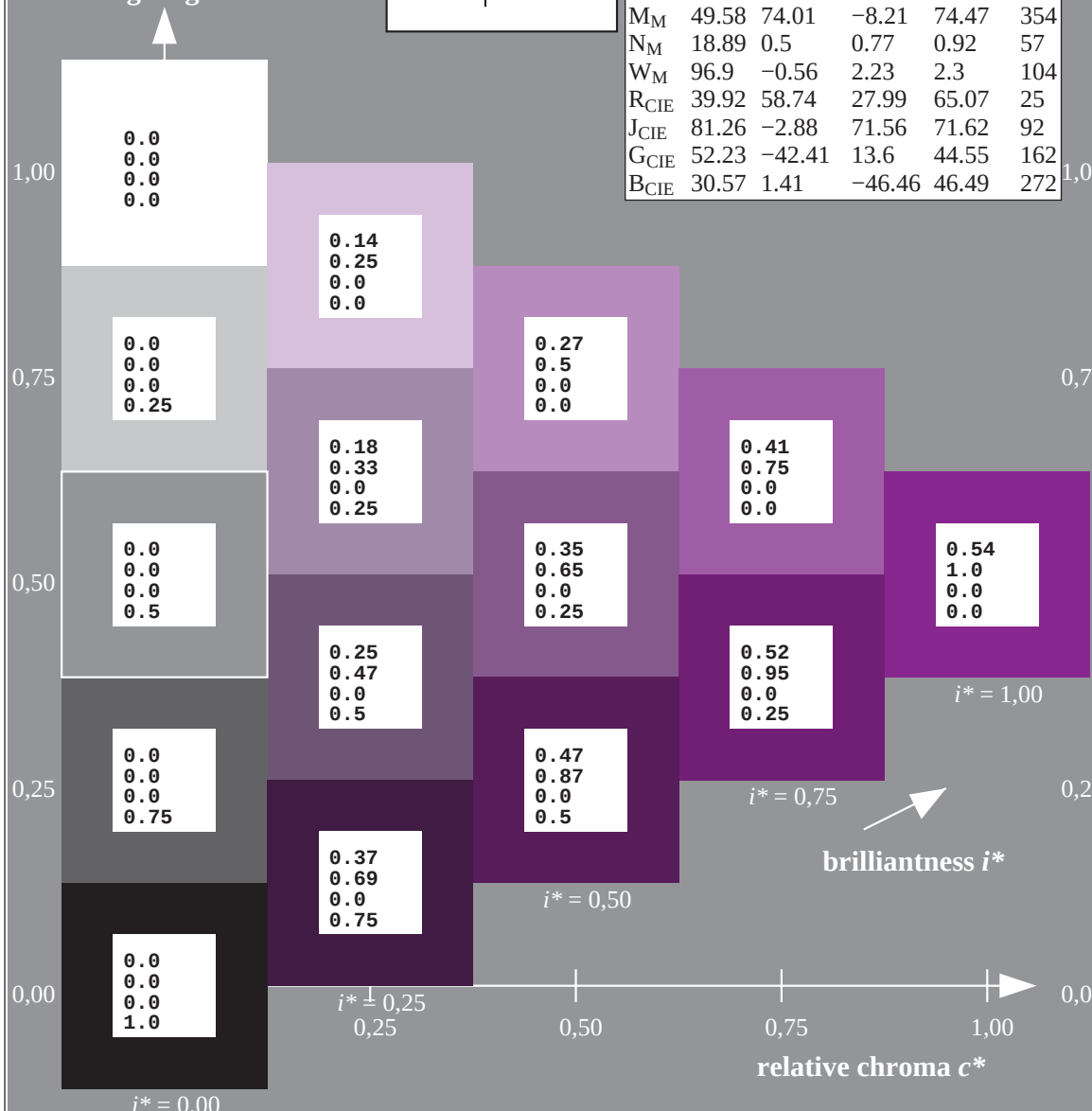
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

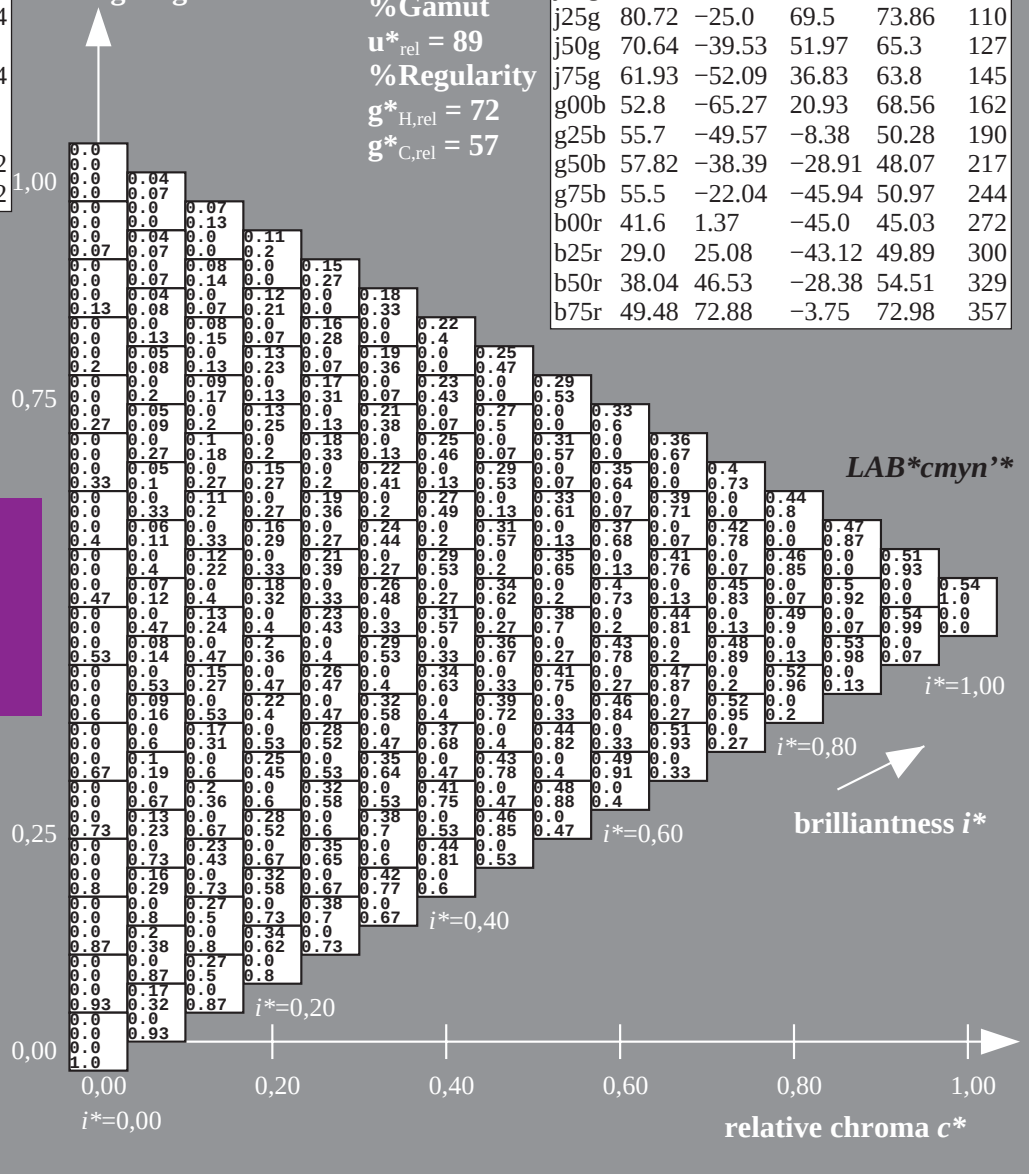
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 38 47 −27**
***LAB*LCH*Ma*: 38 55 329**
***lab*rgb*Ma*: 1.0 0.0 1.0**
***lab*olv*Ma*: 0.46 0.0 1.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

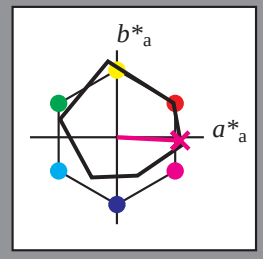
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	−3.34	82.83	82.9	92
j25g	80.72	−25.0	69.5	73.86	110
j50g	70.64	−39.53	51.97	65.3	127
j75g	61.93	−52.09	36.83	63.8	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 — ***u* = b75r LAB*cmyn'****

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

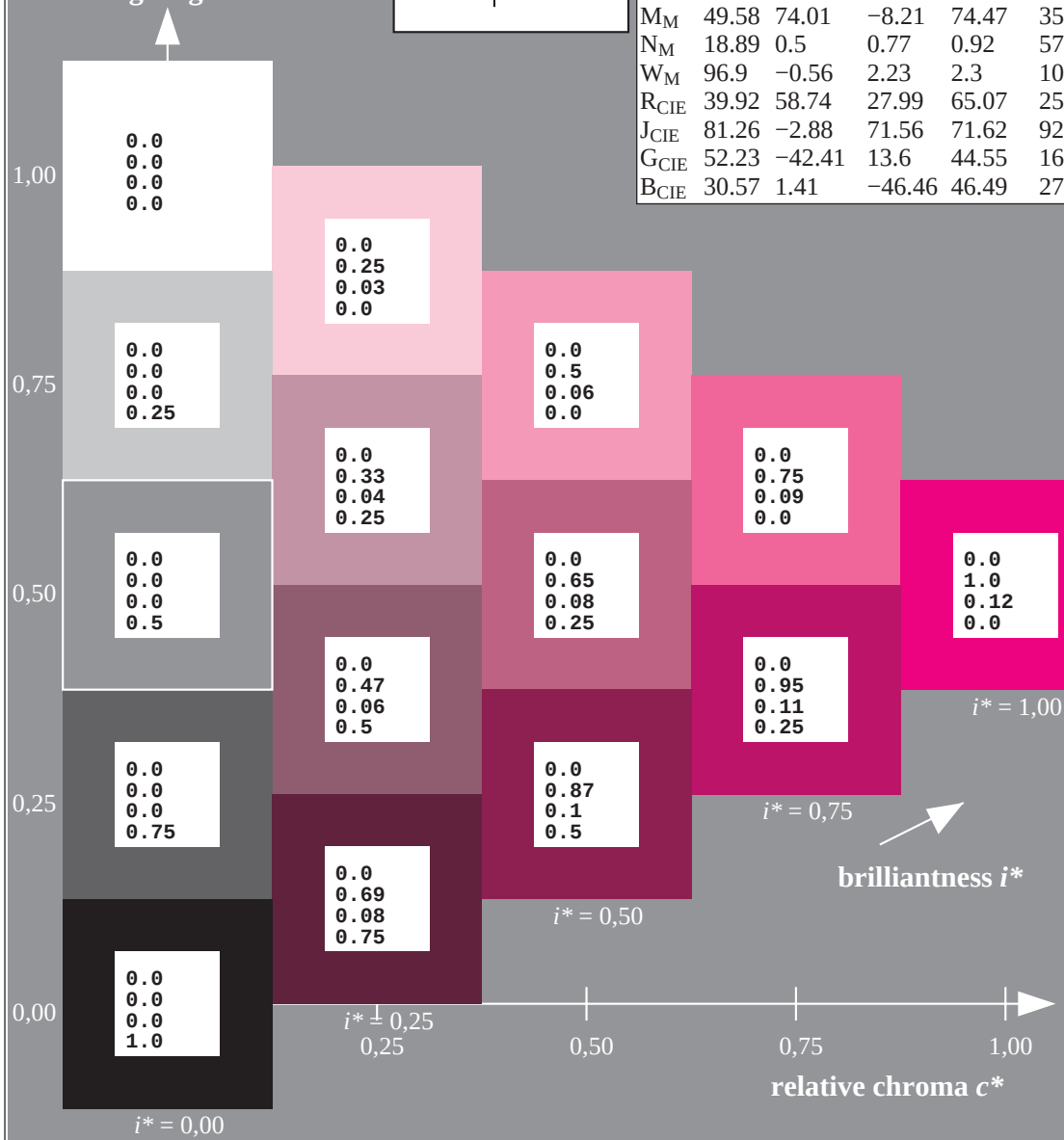
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.77	89.36	90.01	97
L_M	52.69	−65.39	22.15	69.05	161
C_M	59.61	−29.03	−44.68	53.3	237
V_M	28.39	24.0	−43.17	49.4	299
M_M	49.58	74.01	−8.21	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.56	2.23	2.3	104
R_{CIE}	39.92	58.74	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

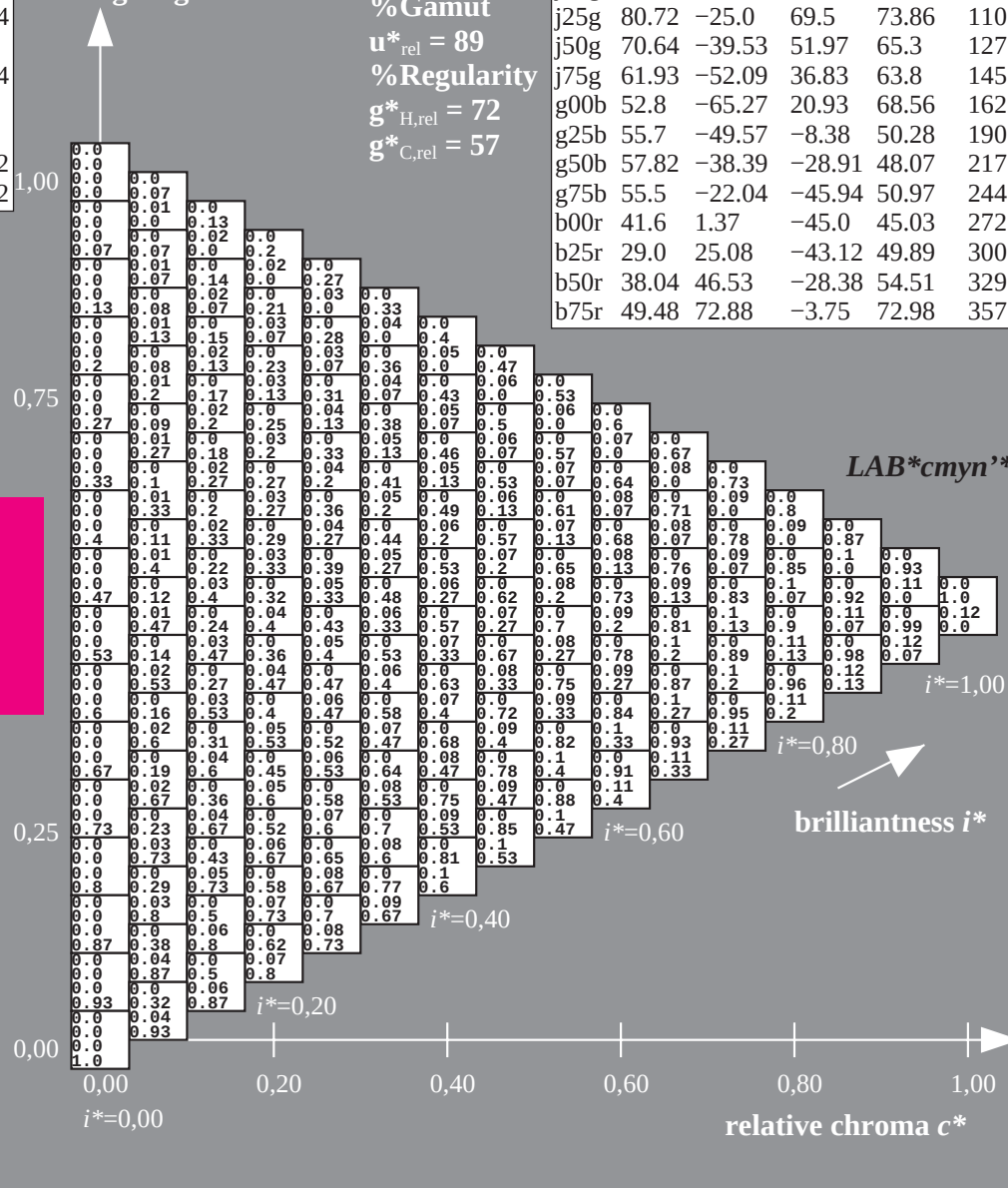
Data for maximum colour (Ma):
LAB*LAB*Ma: 49 73 −3**
LAB*LCH*Ma: 49 73 357**
lab*rgb*Ma: 1.0 0.0 0.5**
lab*olv*Ma: 1.0 0.0 0.88**
triangle lightness *t**

%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






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*cmyn'*
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