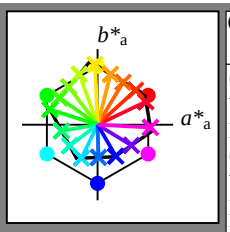
Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
lab*tch* **and** ***lab*icu****
elementary hue text:
u* **= 16 hues** ***r00j, r25j, ..., b75r***
contrast reduction factor:
c_R **= 0.96**

ORS20_95a; adapted (a) CIELAB data

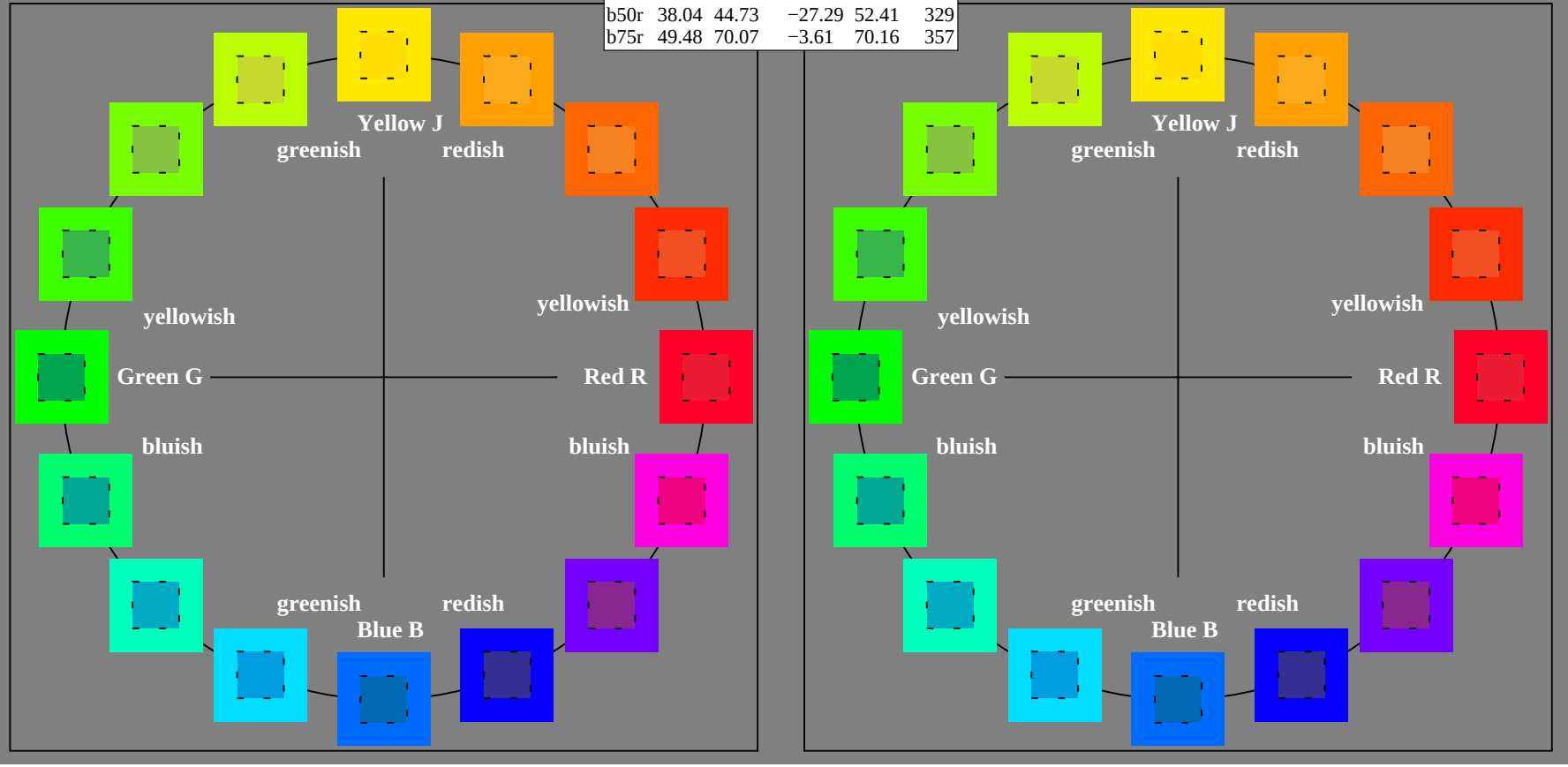
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

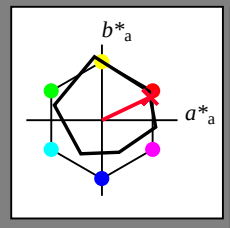
ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	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 ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

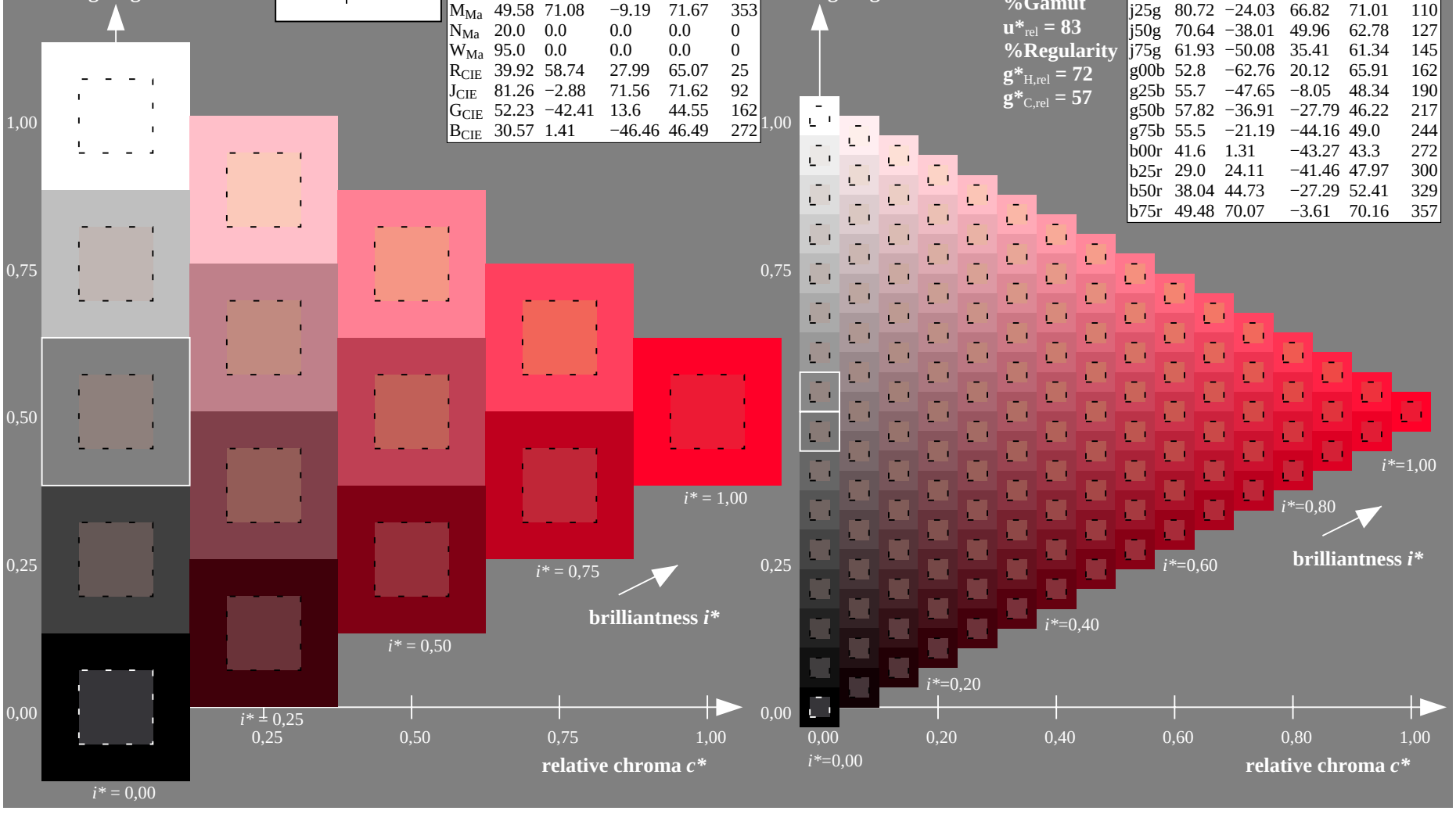
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 64 30**
***LAB*LCH*Ma*: 49 71 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} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

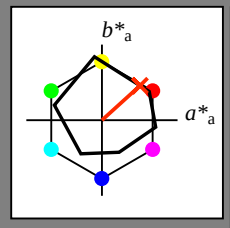
ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

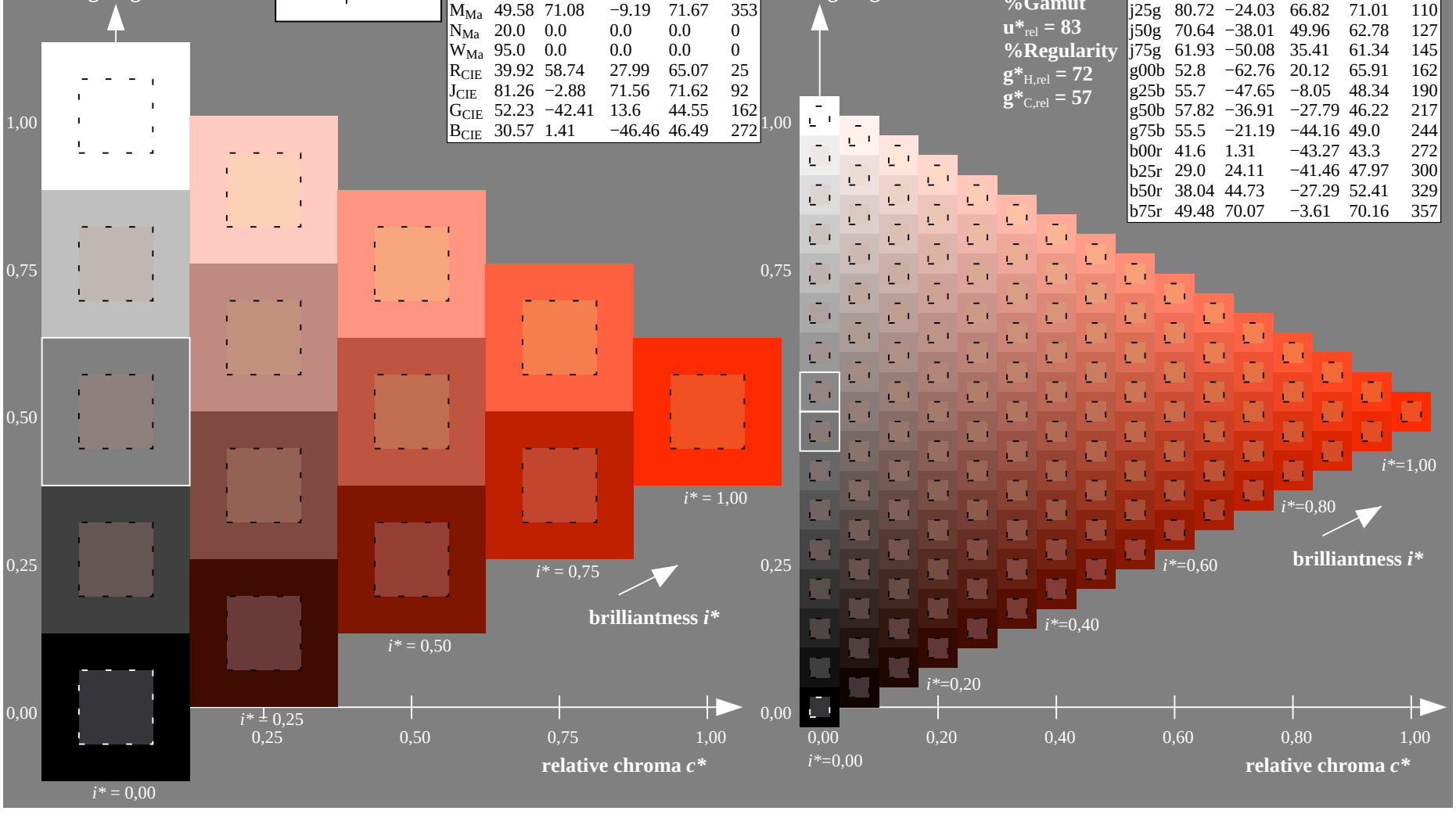
	L=L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 50 46**
LAB*LCH*$_{Ma}$**: 56 68 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} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

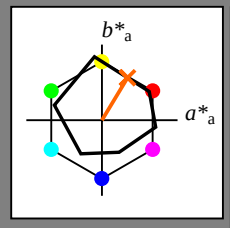
ORS20_95a; adapted (a) CIELAB data

	L=L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

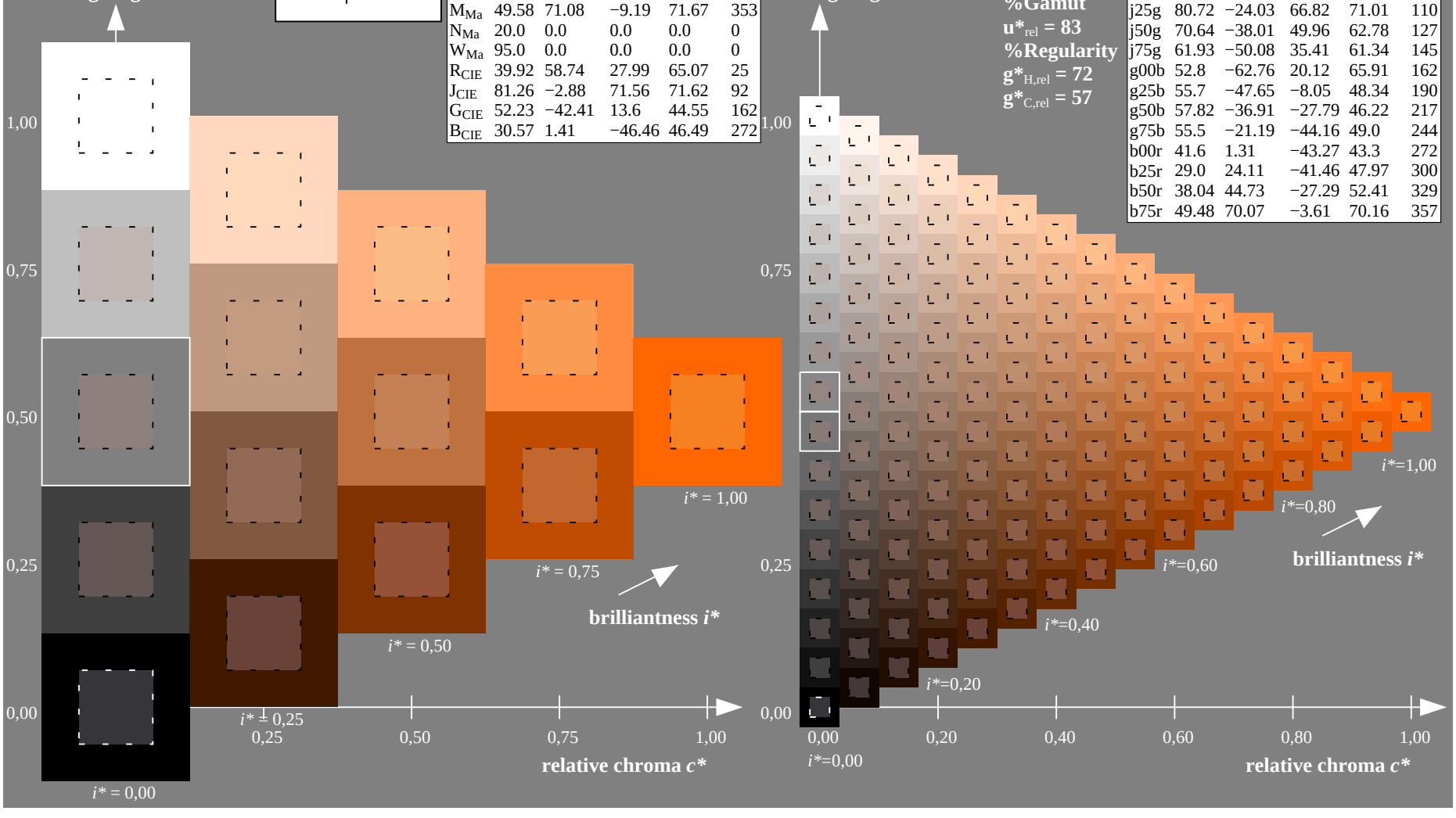
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 34 56**
LAB*LCH*$_{Ma}$**: 65 66 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} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

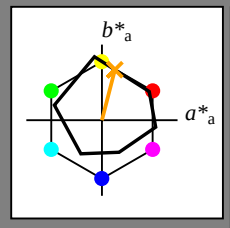
ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 **= 0.96**
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

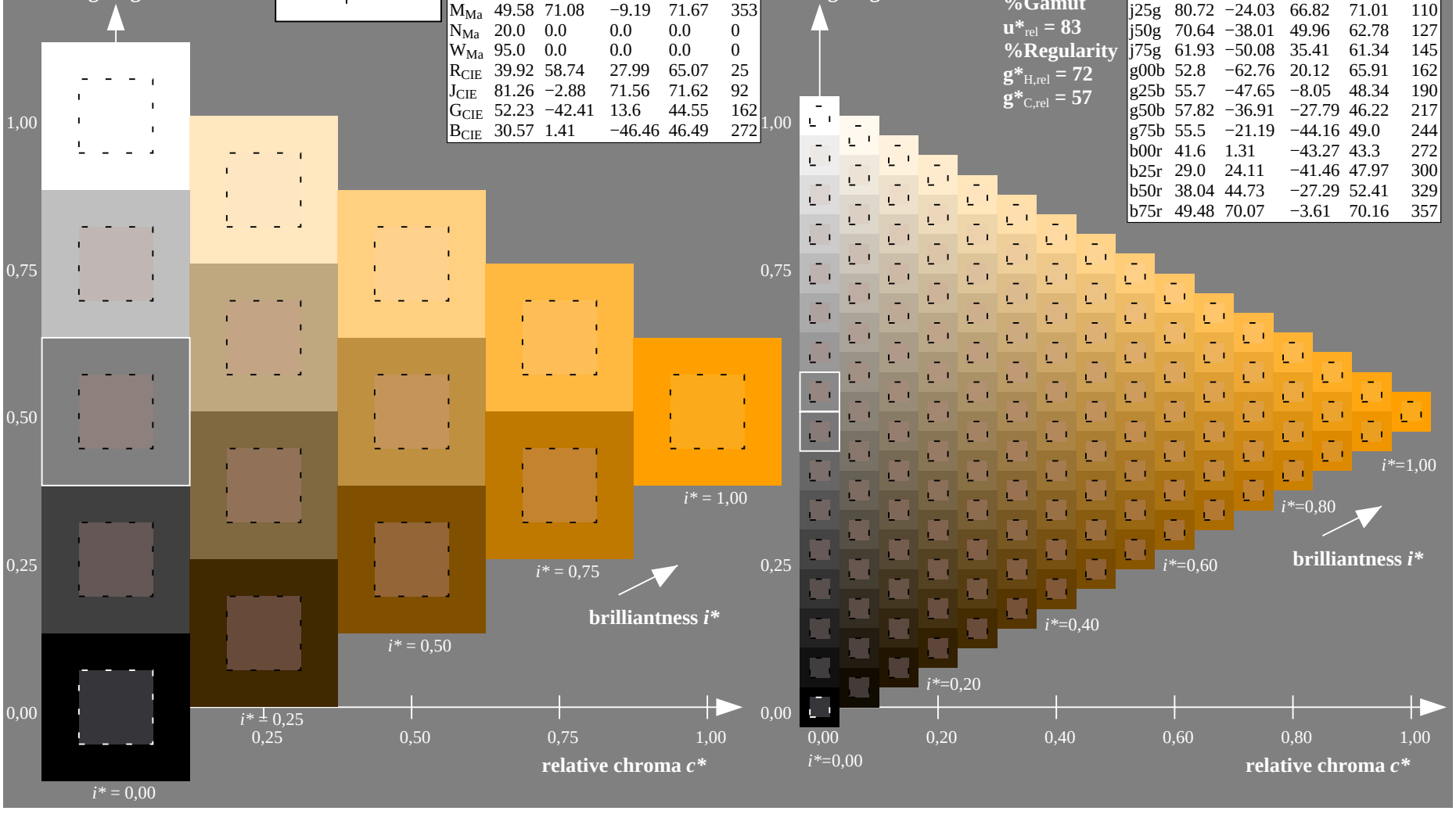
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 17 67**
LAB*LCH*$_{Ma}$**: 75 69 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} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

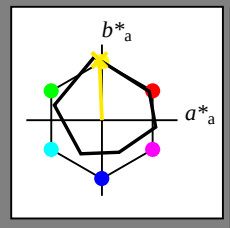
ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

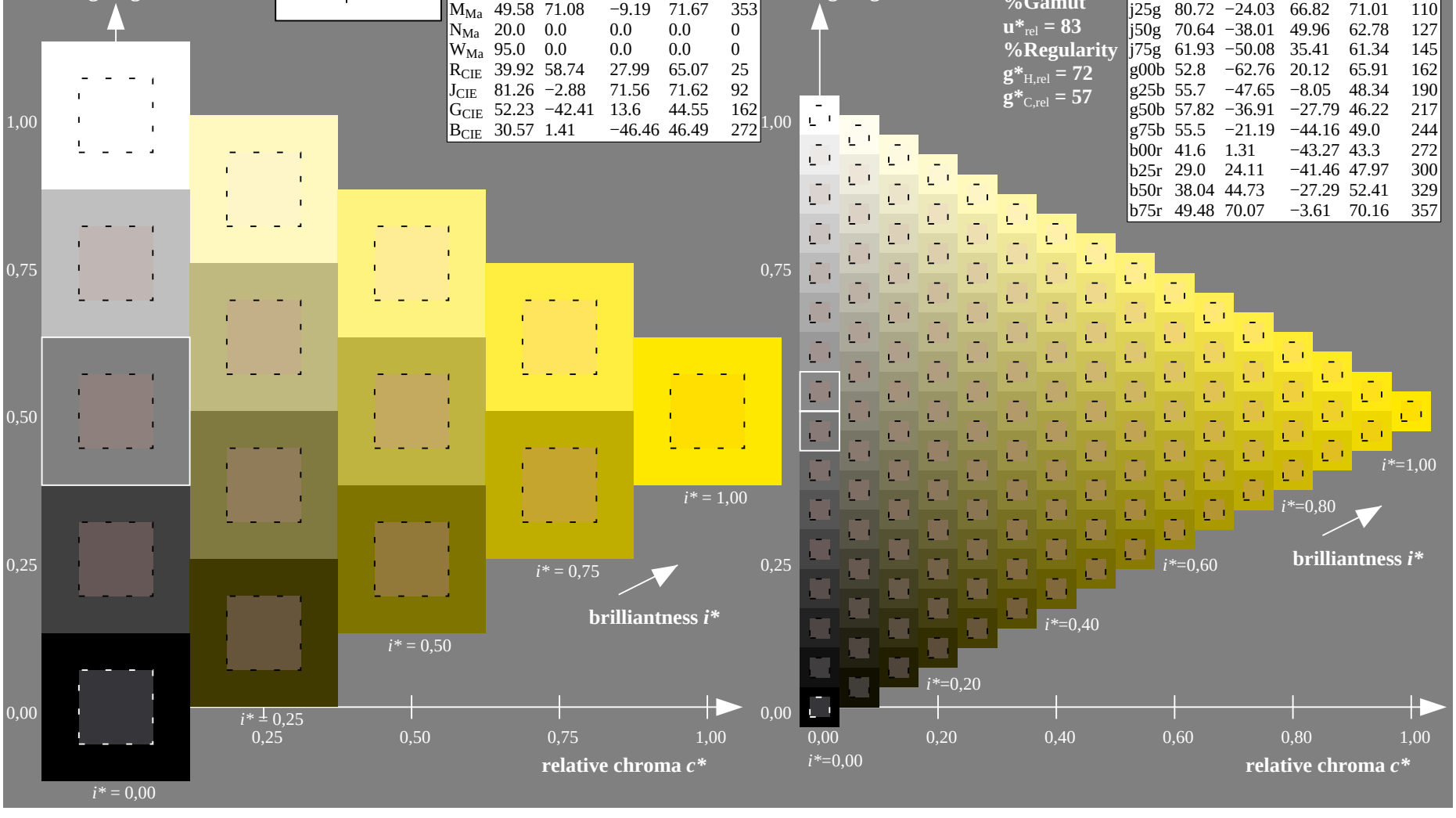
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 80**
LAB*LCH*$_{Ma}$**: 87 80 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} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

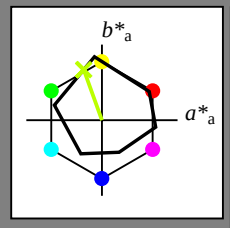
ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

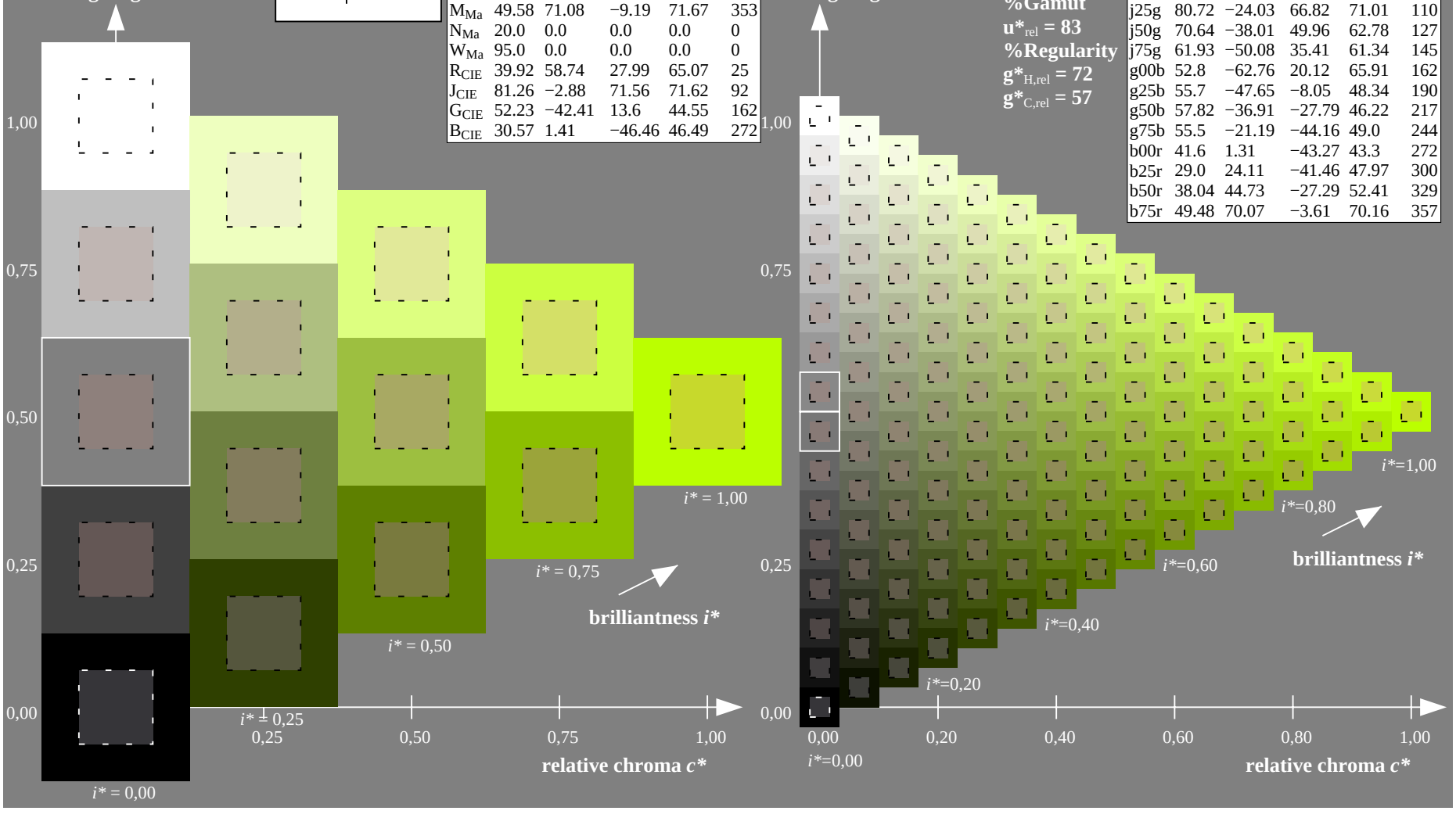
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 −23 67**
LAB*LCH*$_{Ma}$**: 81 71 110**
lab*rgb*$_{Ma}$**: 0.75 1.0 0.0**
lab*olv*$_{Ma}$**: 0.73 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

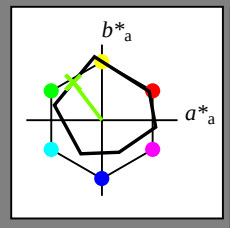
ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

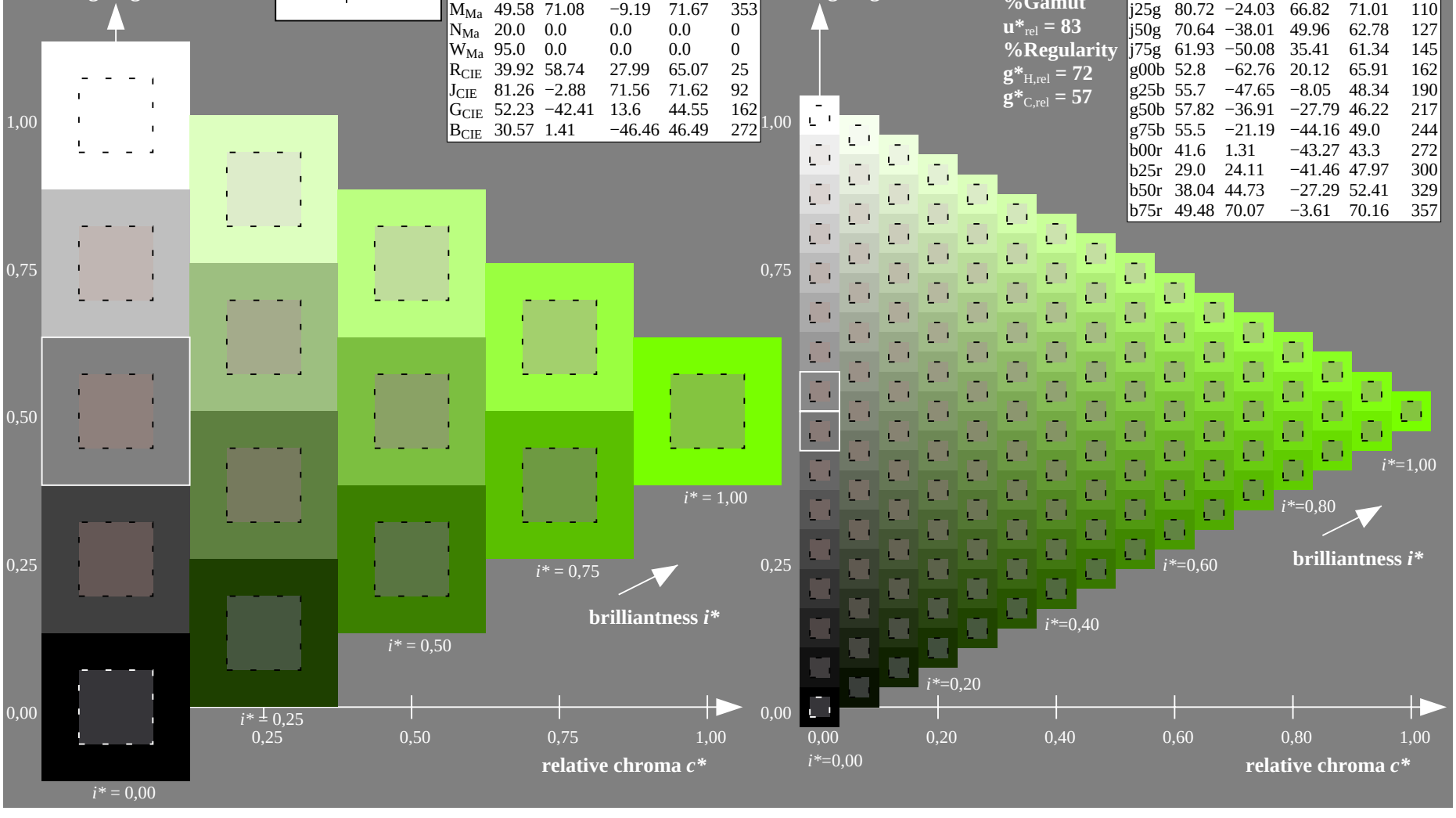
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 −37 50**
LAB*LCH*$_{Ma}$**: 71 63 127**
lab*rgb*$_{Ma}$**: 0.5 1.0 0.0**
lab*olv*$_{Ma}$**: 0.47 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

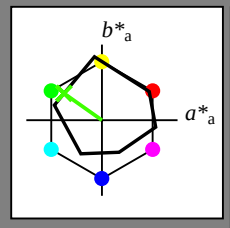
ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 **= 0.96**
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

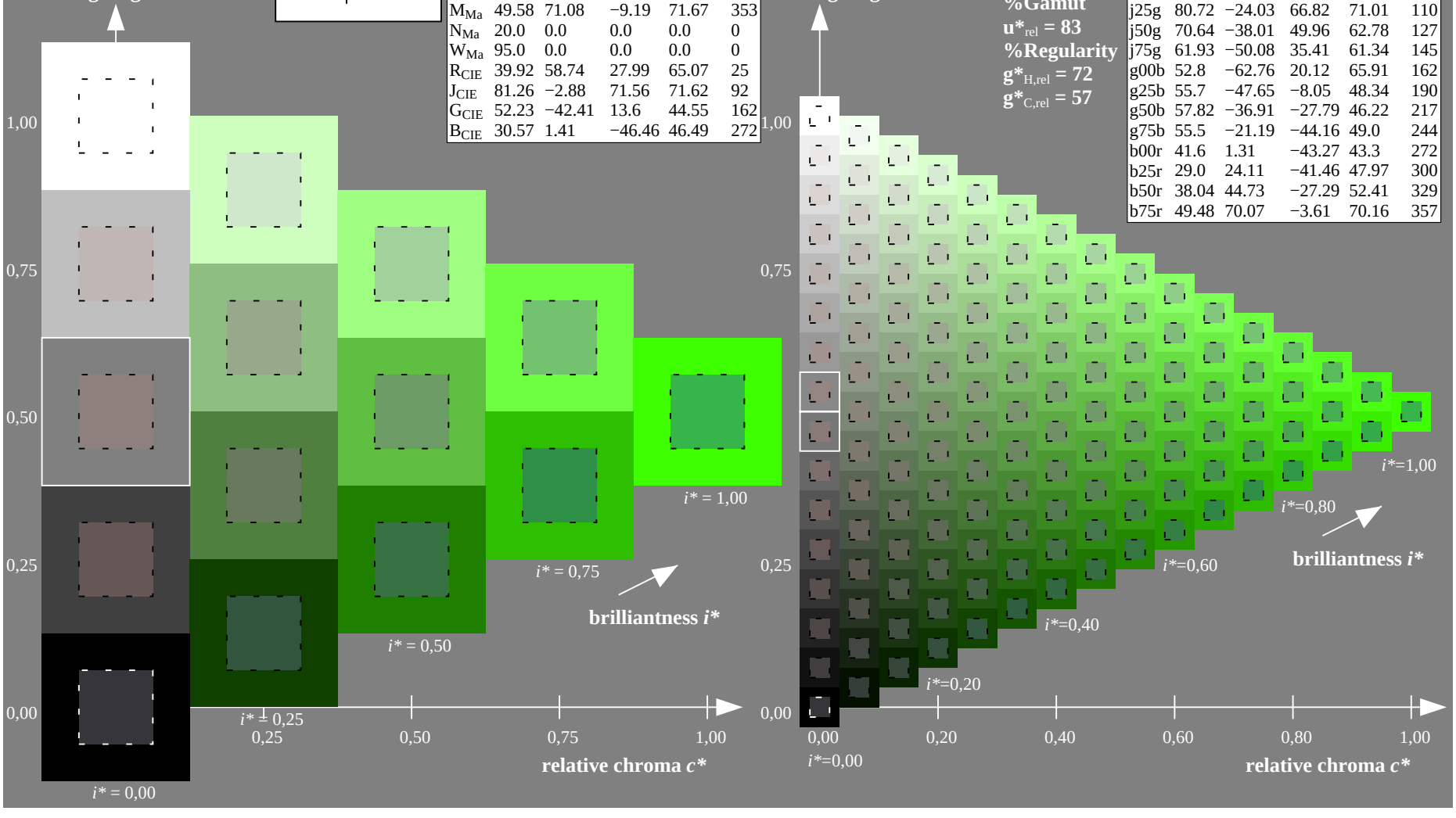
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 −49 35**
LAB*LCH*$_{Ma}$**: 62 61 145**
lab*rgb*$_{Ma}$**: 0.25 1.0 0.0**
lab*olv*$_{Ma}$**: 0.24 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

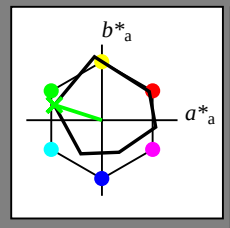
ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

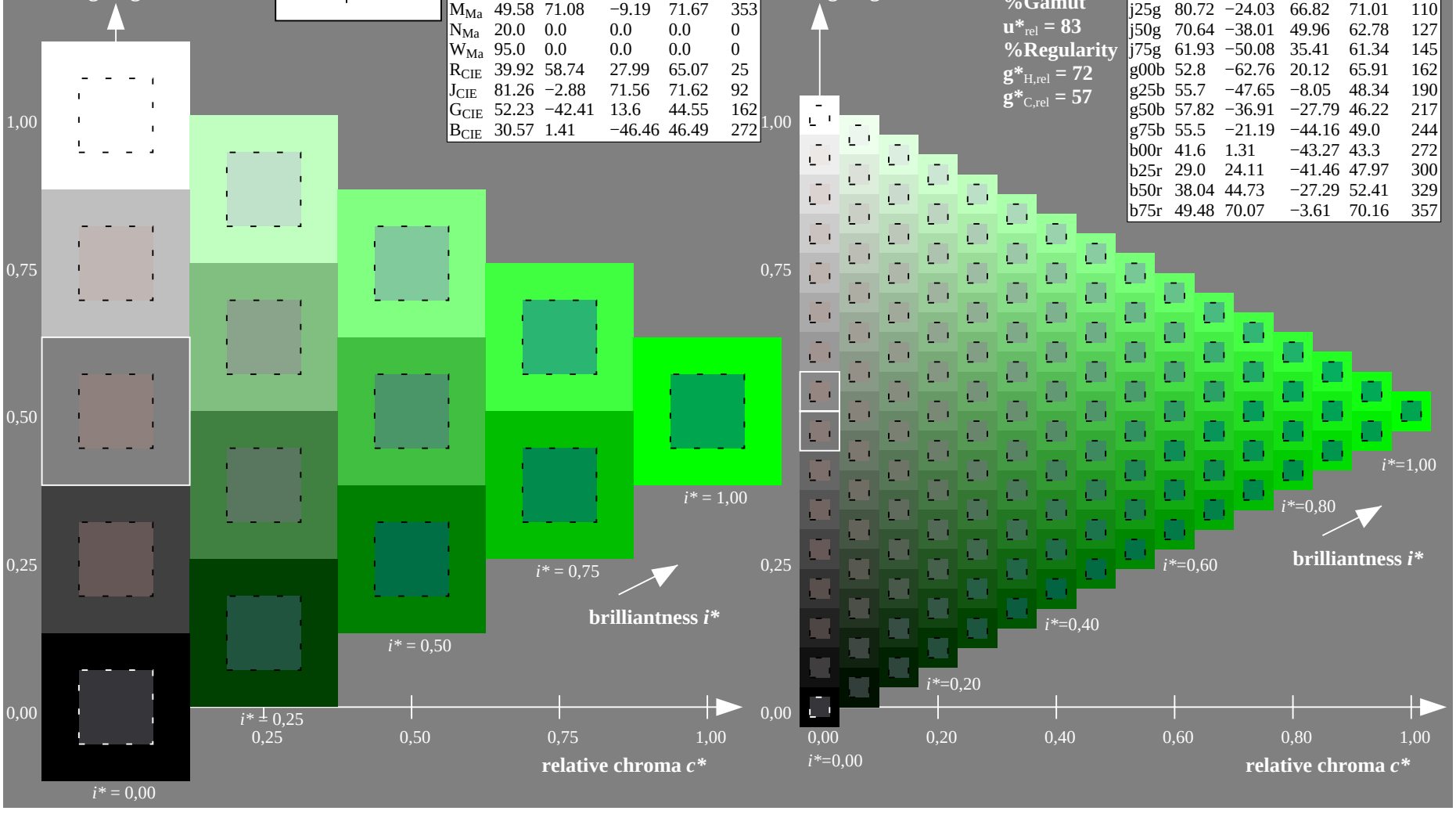
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 −62 20**
LAB*LCH*$_{Ma}$**: 53 66 162**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

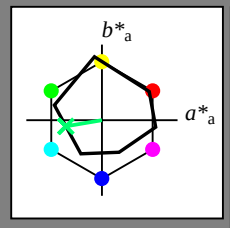
ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

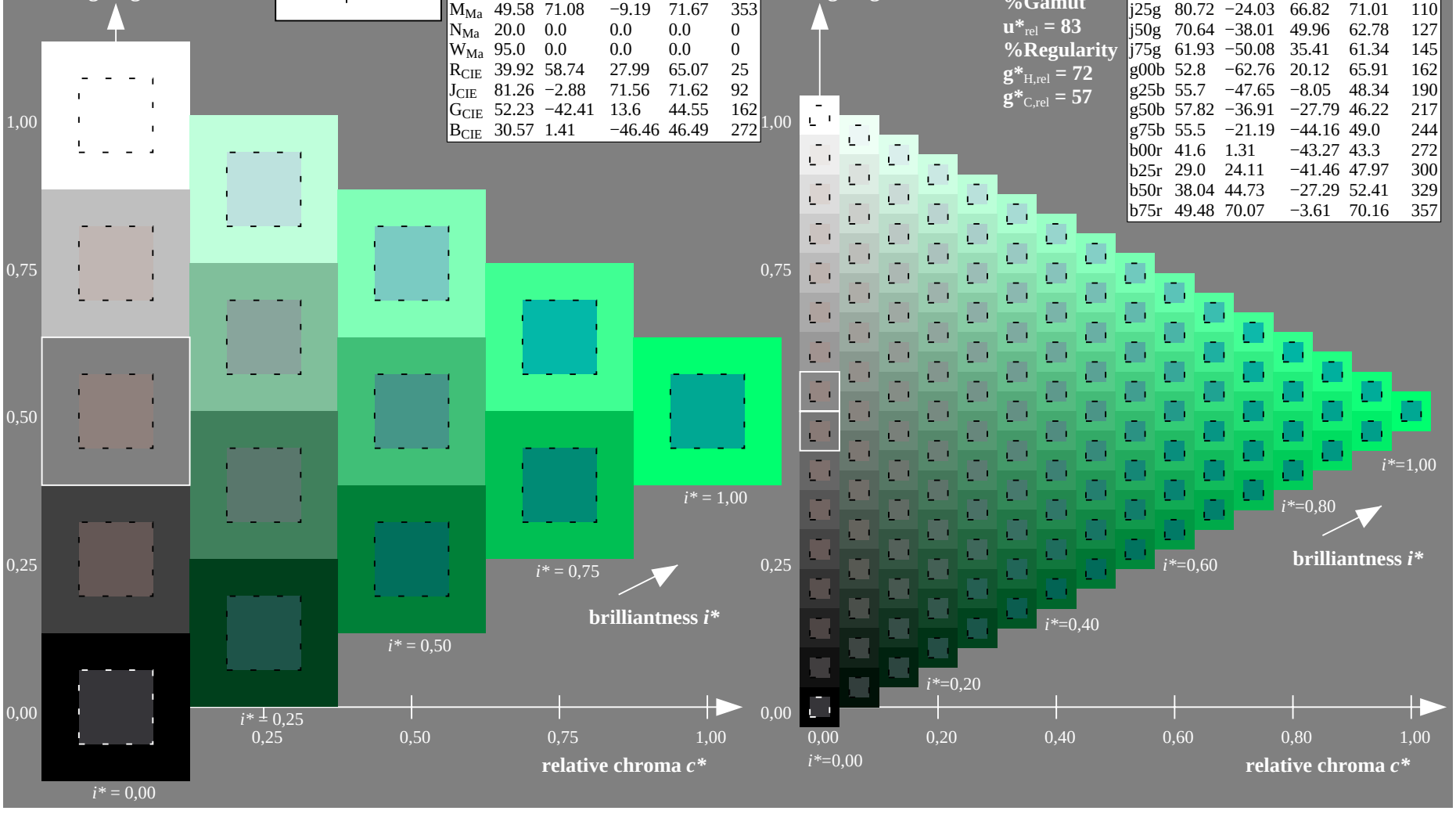
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 −47 −7**
LAB*LCH*$_{Ma}$**: 56 48 190**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.5**
lab*olv*$_{Ma}$**: 0.0 1.0 0.44**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

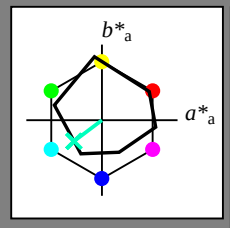
ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 **= 0.96**
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

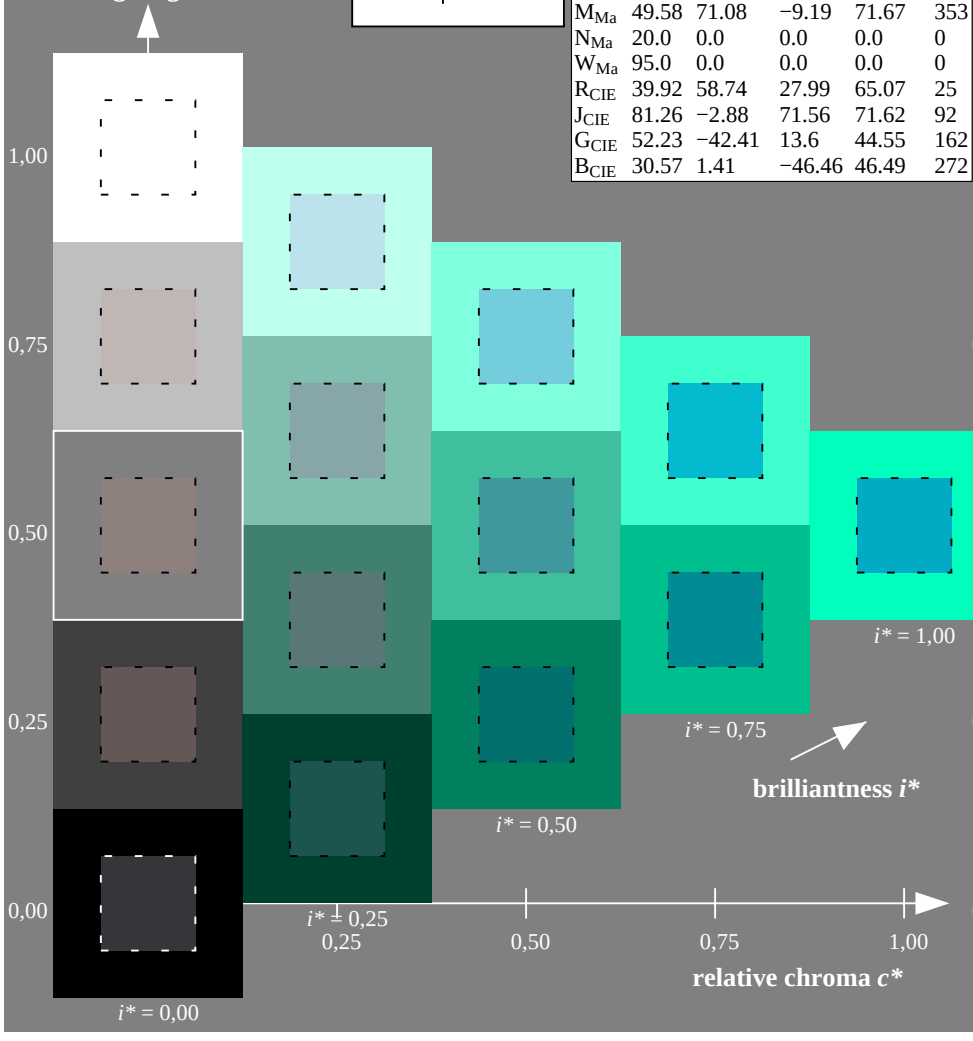
	L=L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

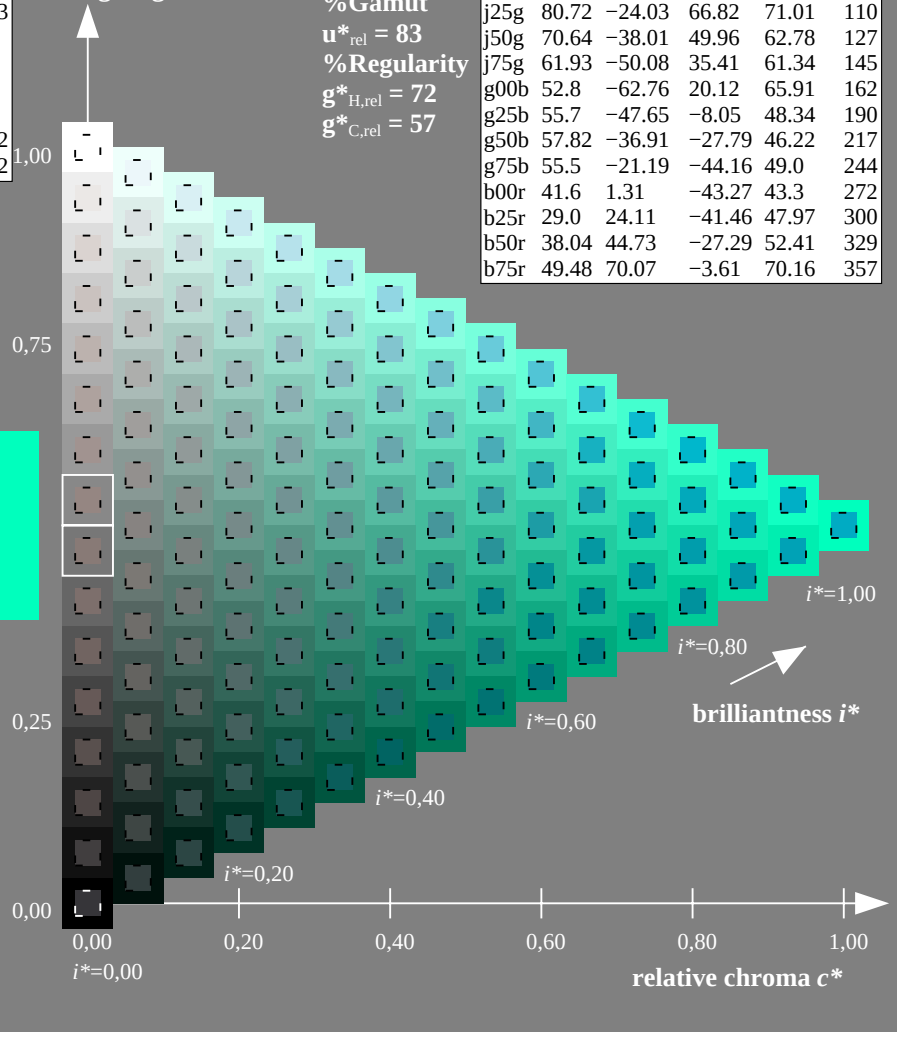
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 58 −36 −27**
LAB*LCH*$_{Ma}$**: 58 46 217**
lab*rgb*$_{Ma}$**: 0.0 1.0 1.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.74**
triangle lightness *t**

%Gamut
u*$_{rel}$ = 83
%Regularity
g*$_{H,rel}$ = 72
g*$_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

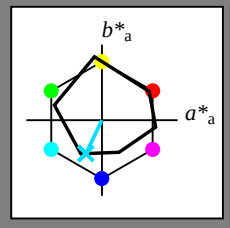
	L=L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

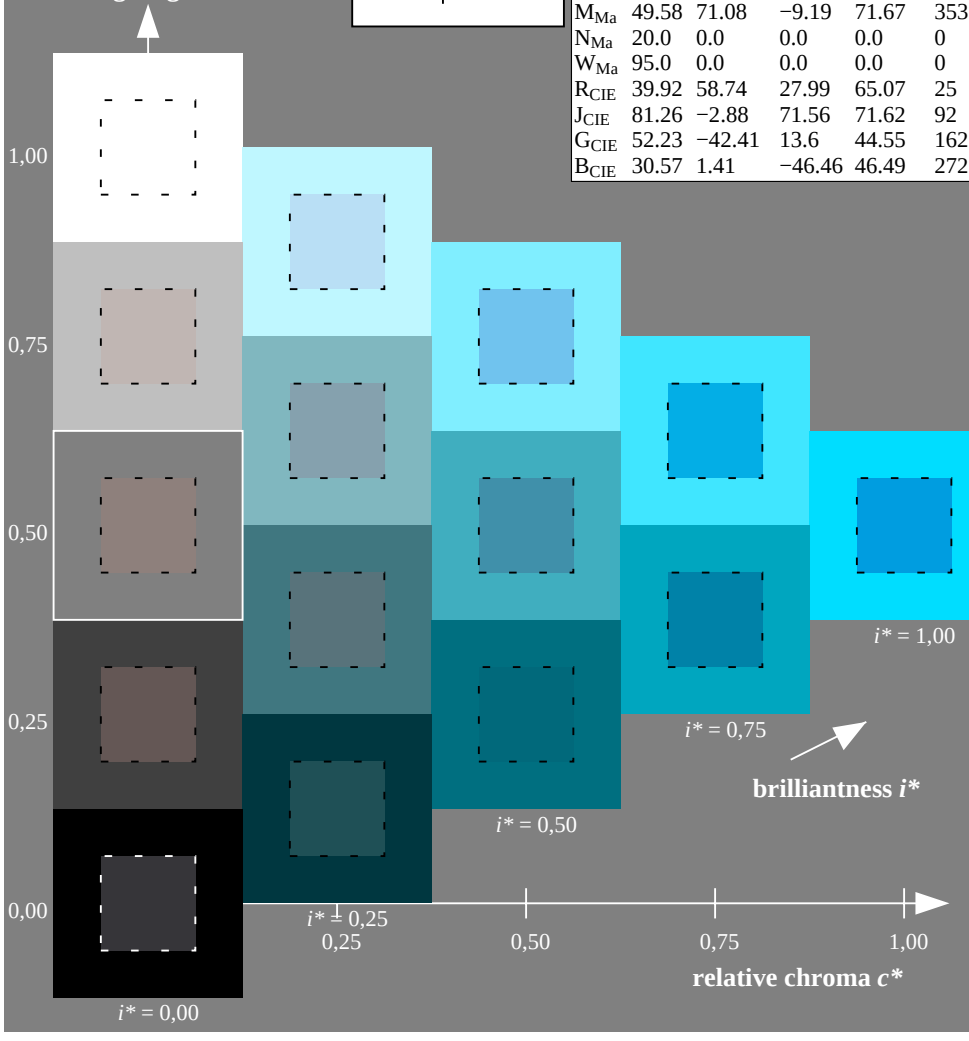
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

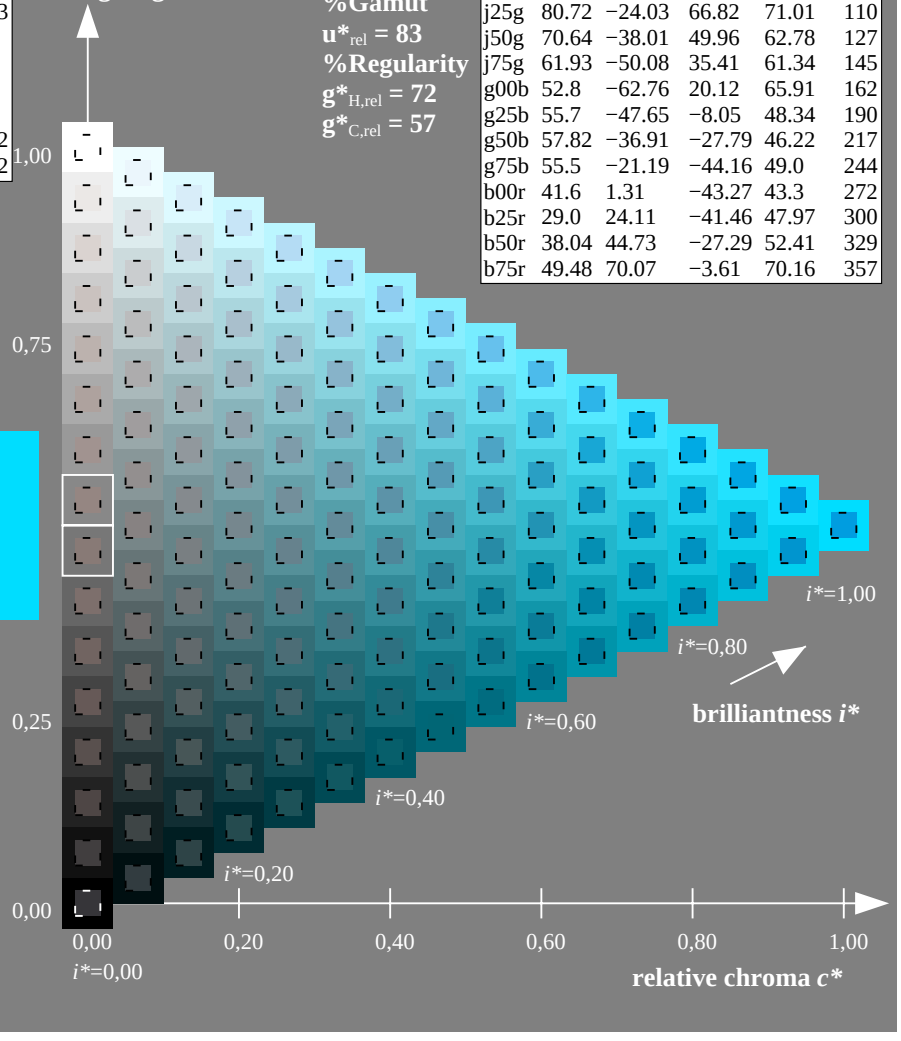
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 55 −20 −43**
LAB*LCH*$_{Ma}$**: 55 49 244**
lab*rgb*$_{Ma}$**: 0.0 0.5 1.0**
lab*olv*$_{Ma}$**: 0.0 0.87 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

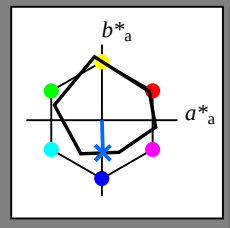
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

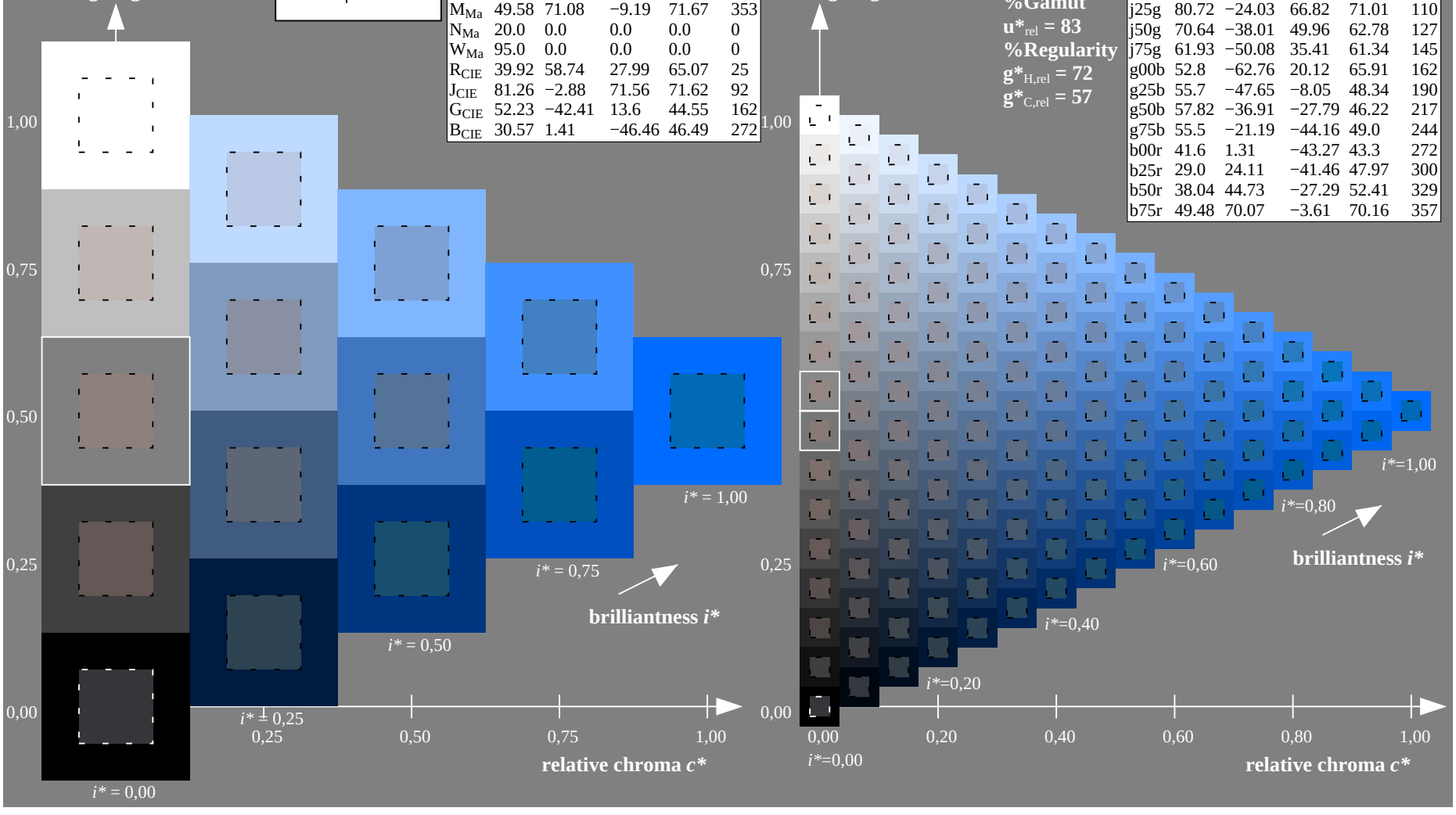
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 −42**
LAB*LCH*$_{Ma}$**: 42 43 272**
lab*rgb*$_{Ma}$**: 0.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.0 0.42 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

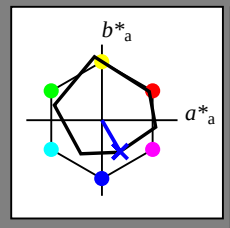
ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

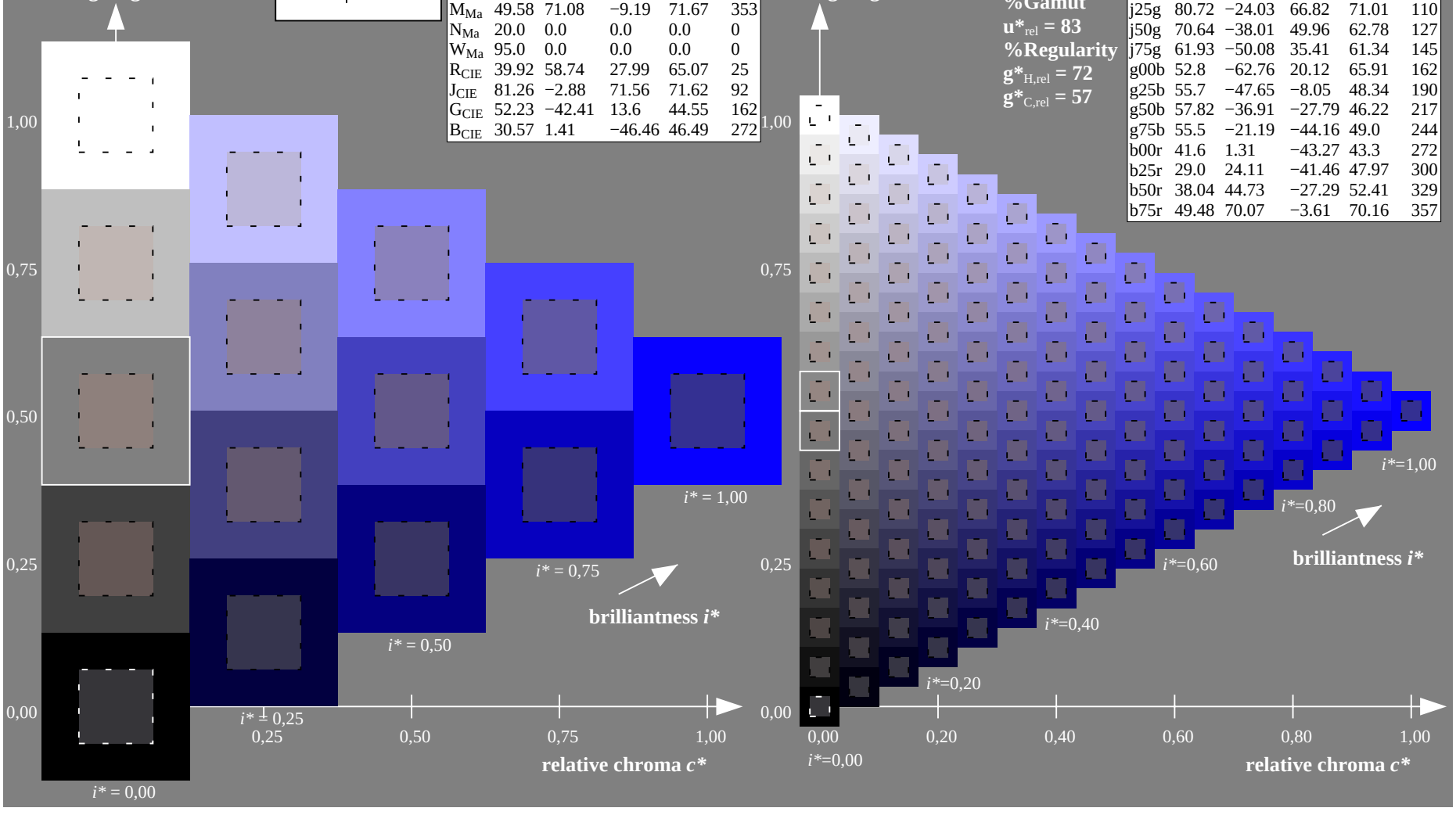
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 24 −40**
LAB*LCH*$_{Ma}$**: 29 48 300**
lab*rgb*$_{Ma}$**: 0.5 0.0 1.0**
lab*olv*$_{Ma}$**: 0.03 0.0 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

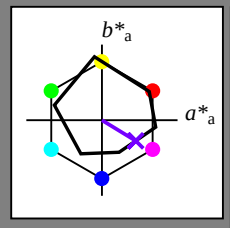
ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 **= 0.96**
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

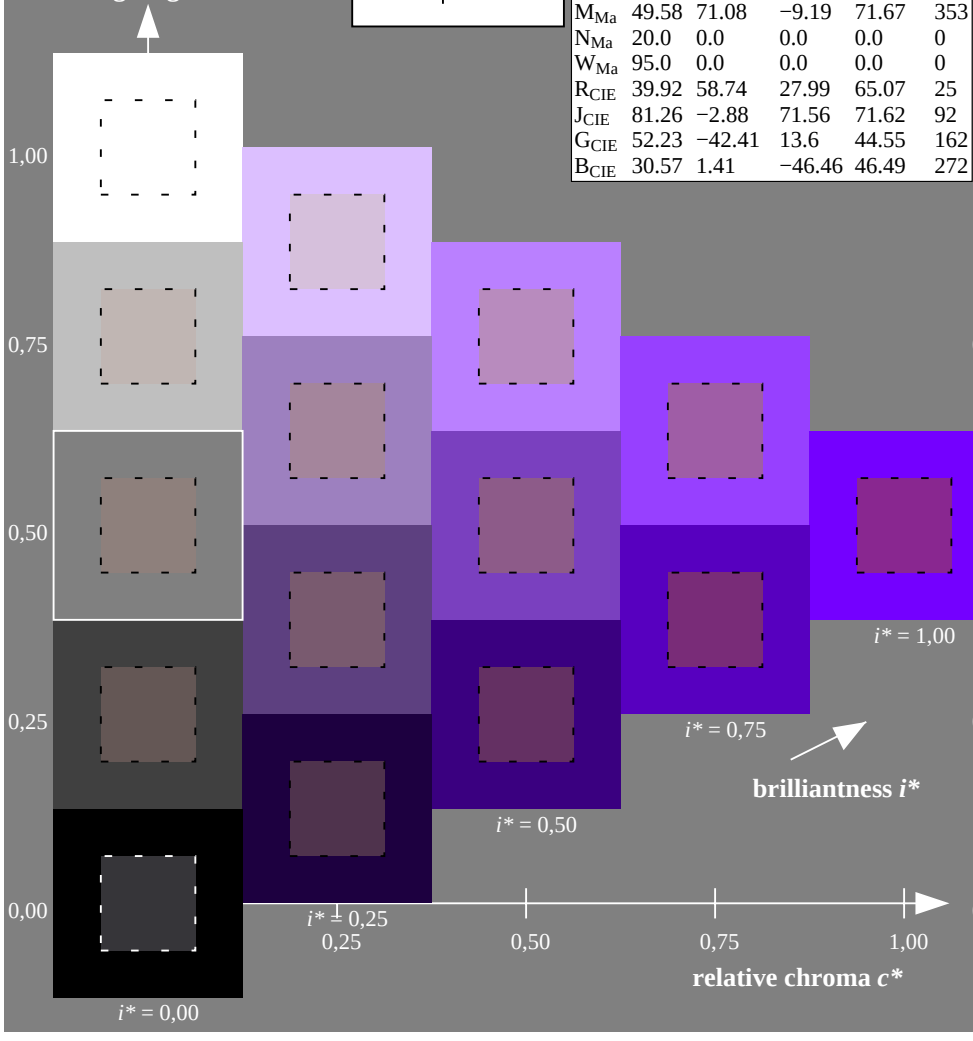
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

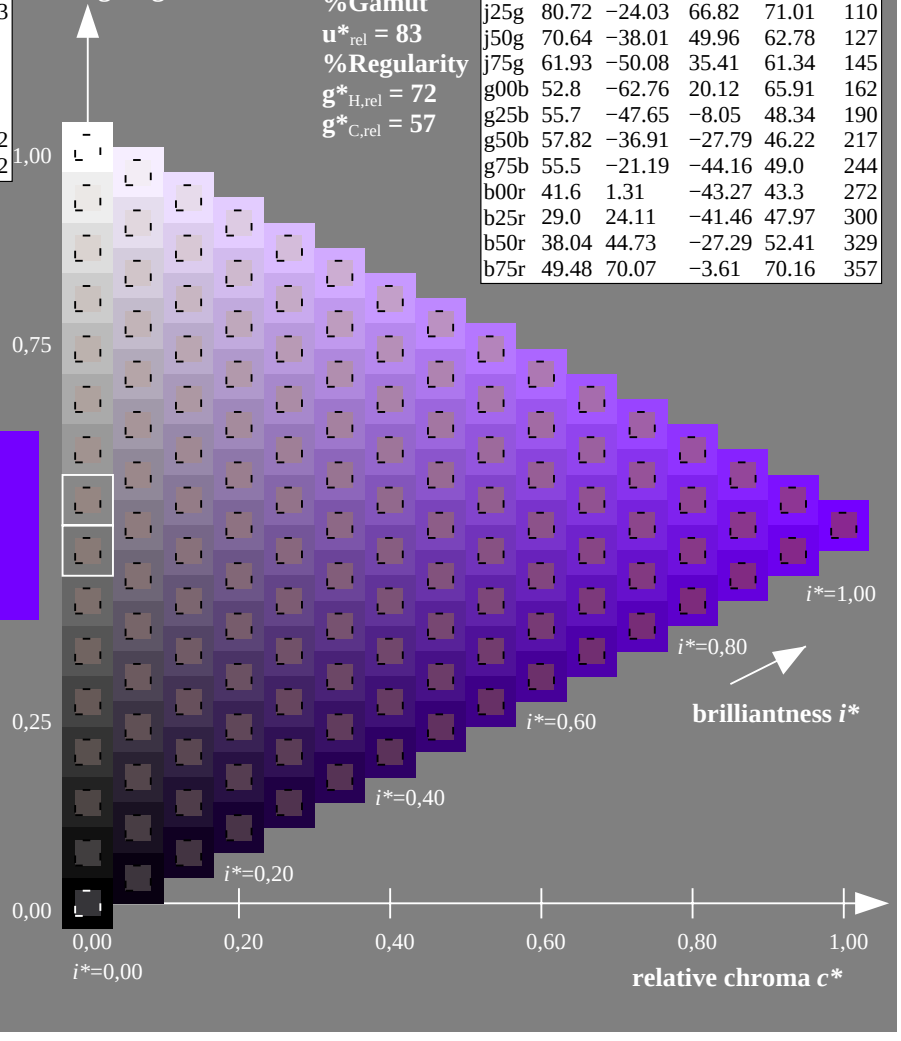
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 38 45 −26**
LAB*LCH*$_{Ma}$**: 38 52 329**
lab*rgb*$_{Ma}$**: 1.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.46 0.0 1.0**
triangle lightness *t**

%Gamut
u*$_{rel}$ = 83
%Regularity
g*$_{H,rel}$ = 72
g*$_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

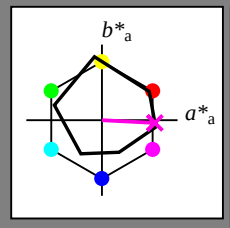
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

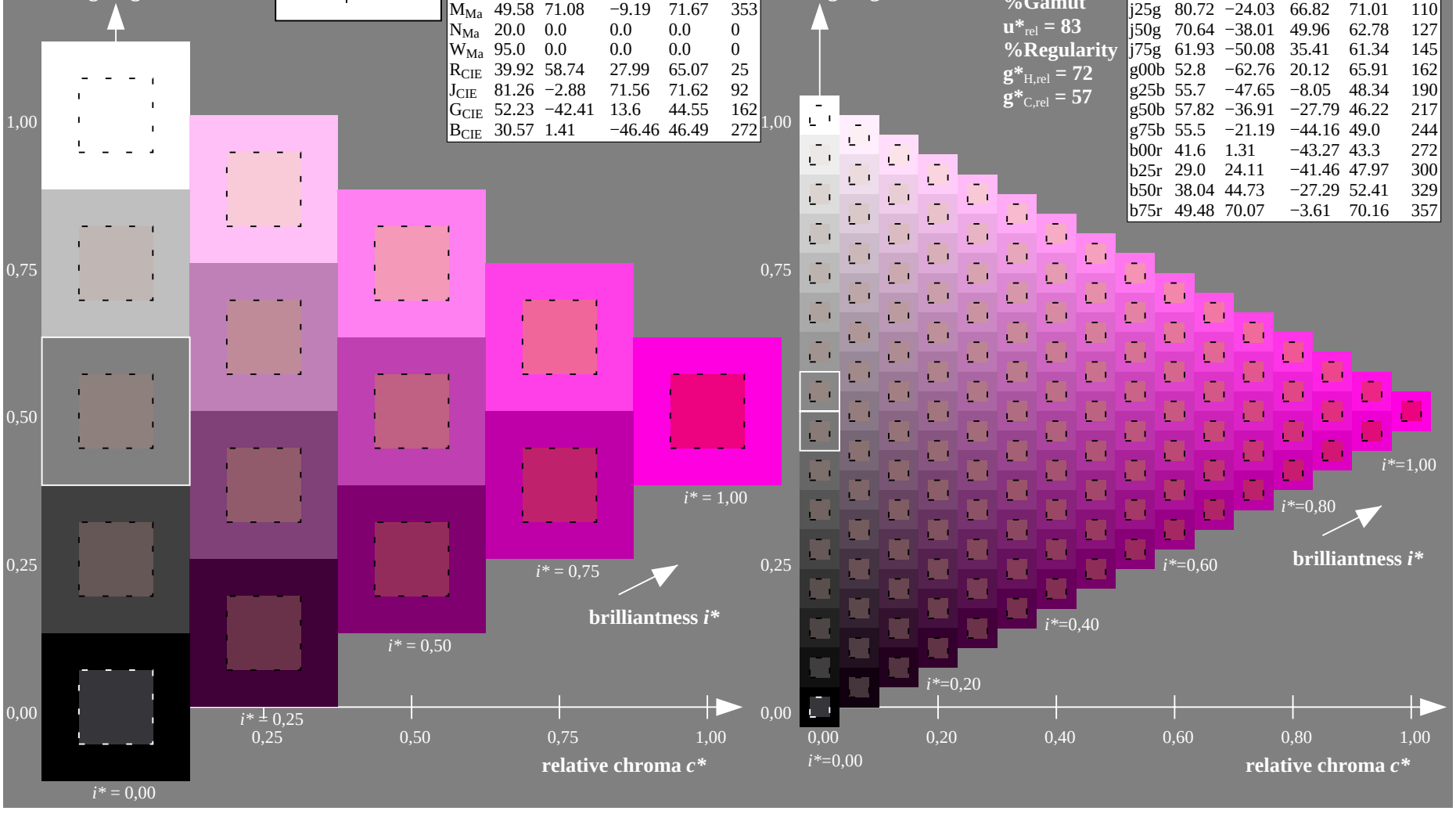
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

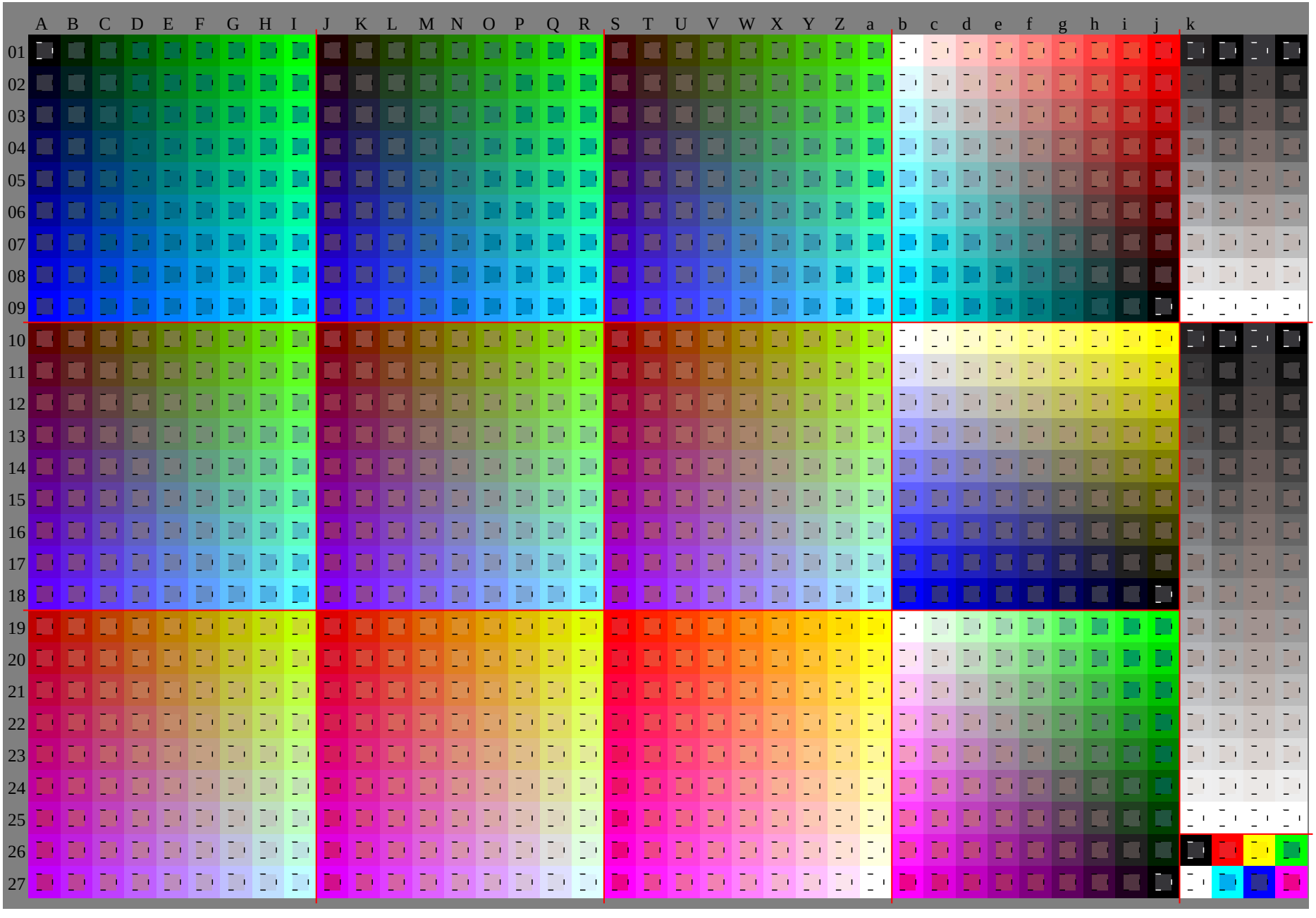
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 49 70 −3**
LAB*LCH*$_{Ma}$**: 49 70 357**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.5**
lab*olv*$_{Ma}$**: 1.0 0.0 0.88**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

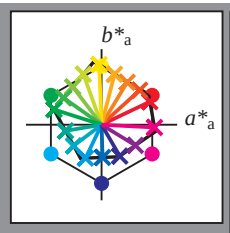




Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
lab*tch* **and** ***lab*icu****
elementary hue text:
u* **= 16 hues** ***r00j, r25j, ..., b75r***
contrast reduction factor:
c_R **= 0.96**

ORS20_95a; adapted (a) CIELAB data

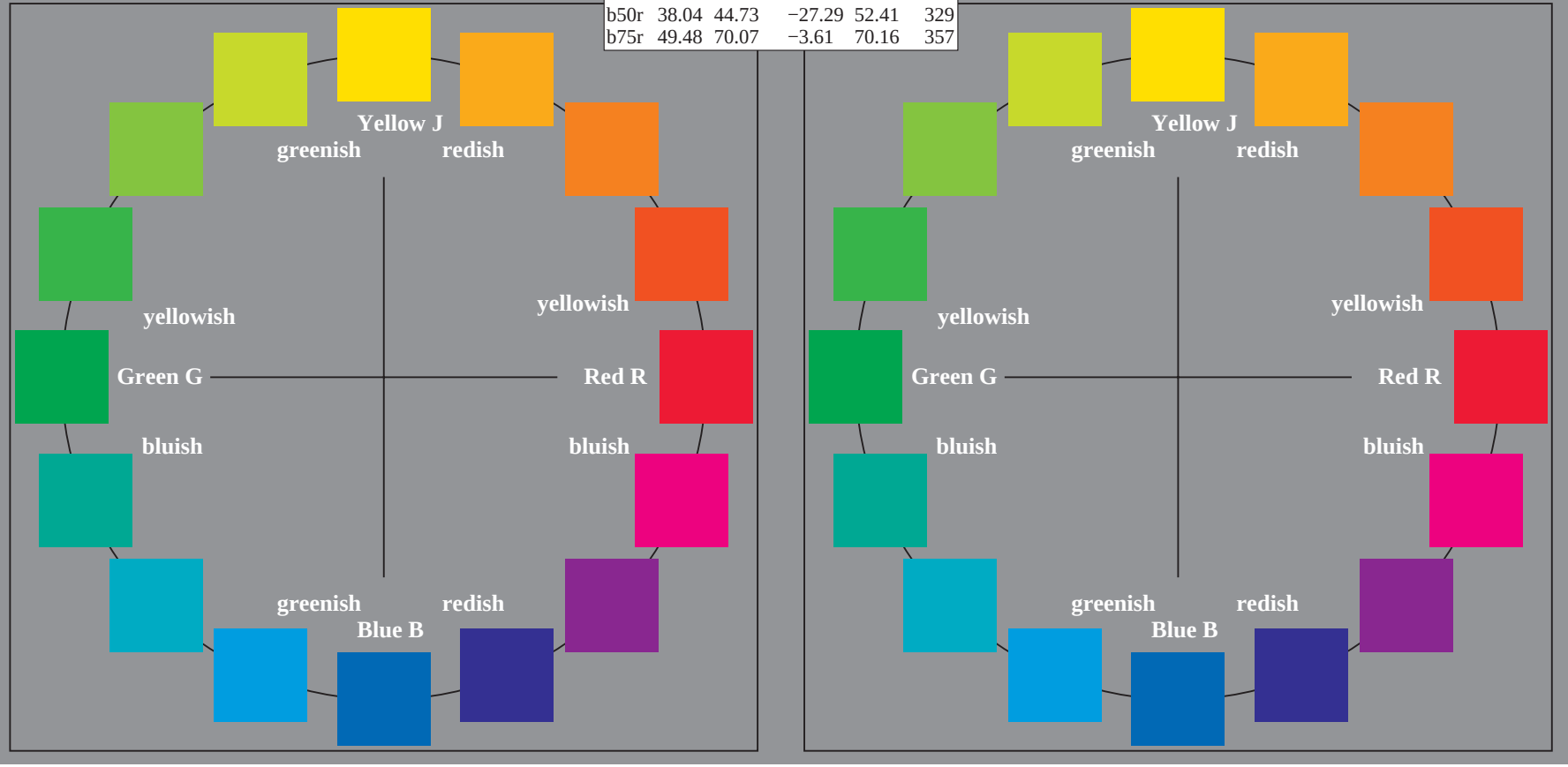
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

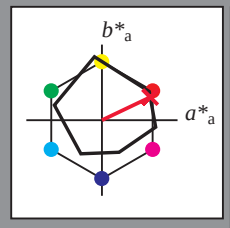
ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	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 ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

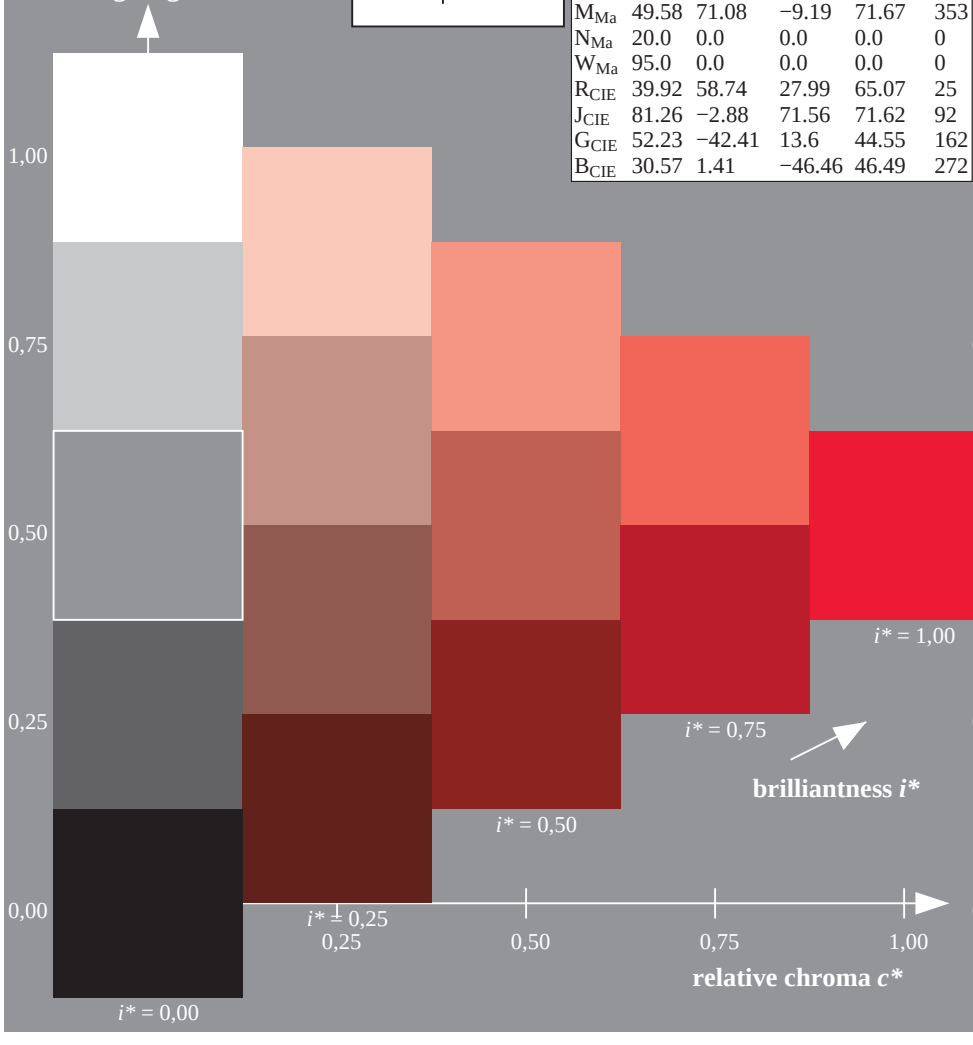
	L=L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

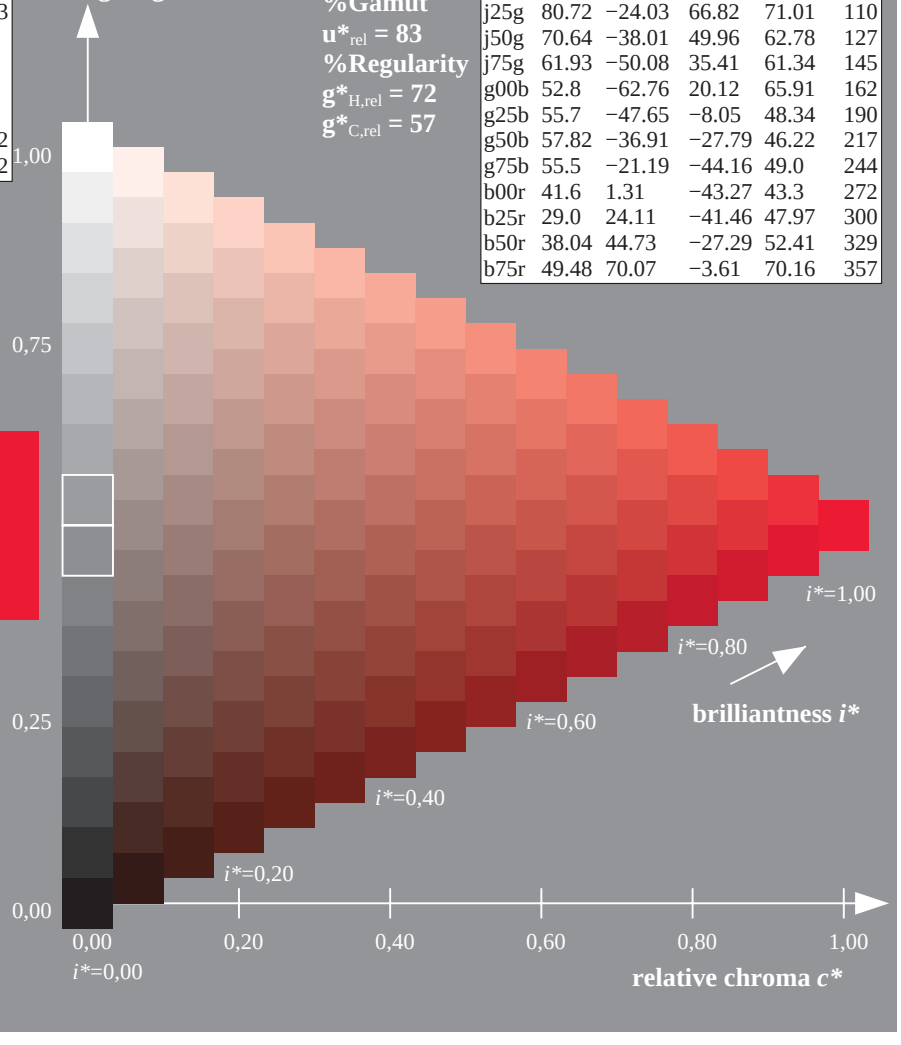
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 49 64 30**
LAB*LCH*$_{Ma}$**: 49 71 25**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.16**
triangle lightness *t**

%Gamut
u*$_{rel}$ = 83
%Regularity
g*$_{H,rel}$ = 72
g*$_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

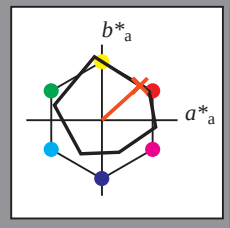
	L=L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

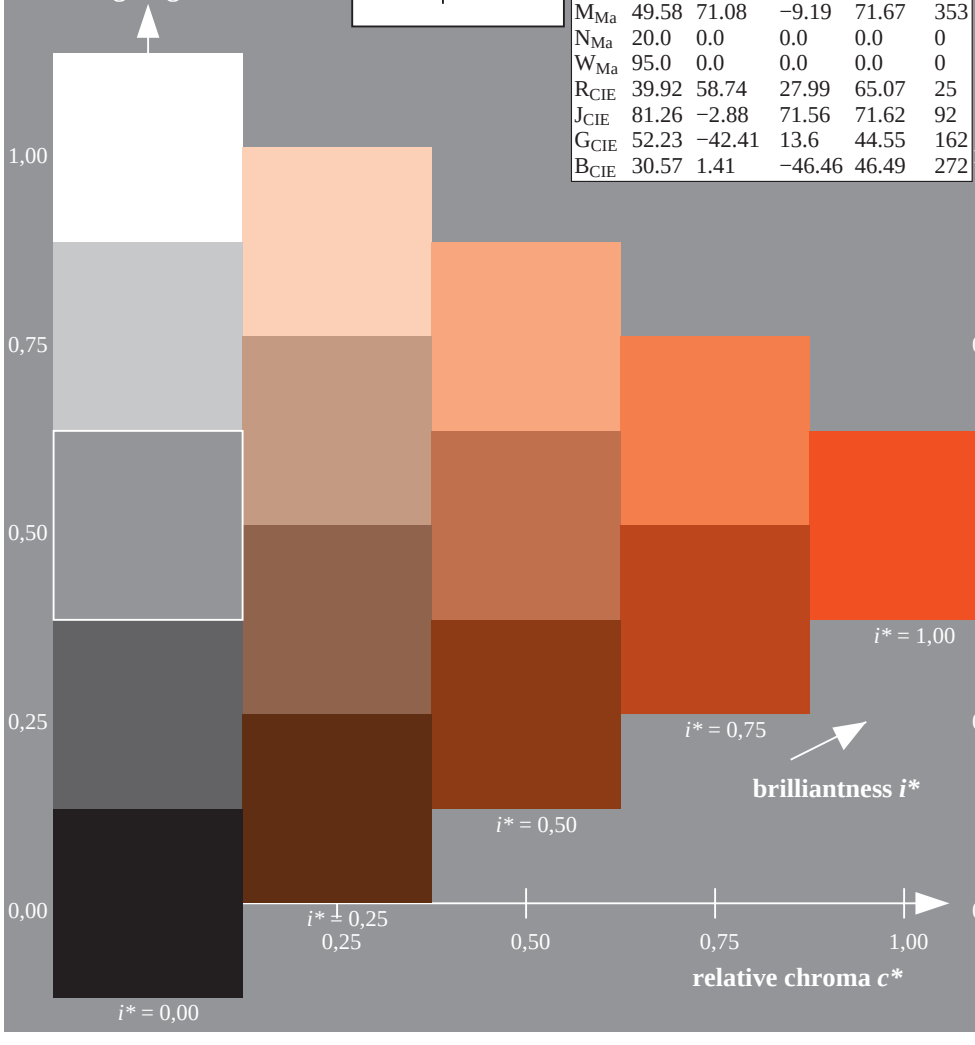
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

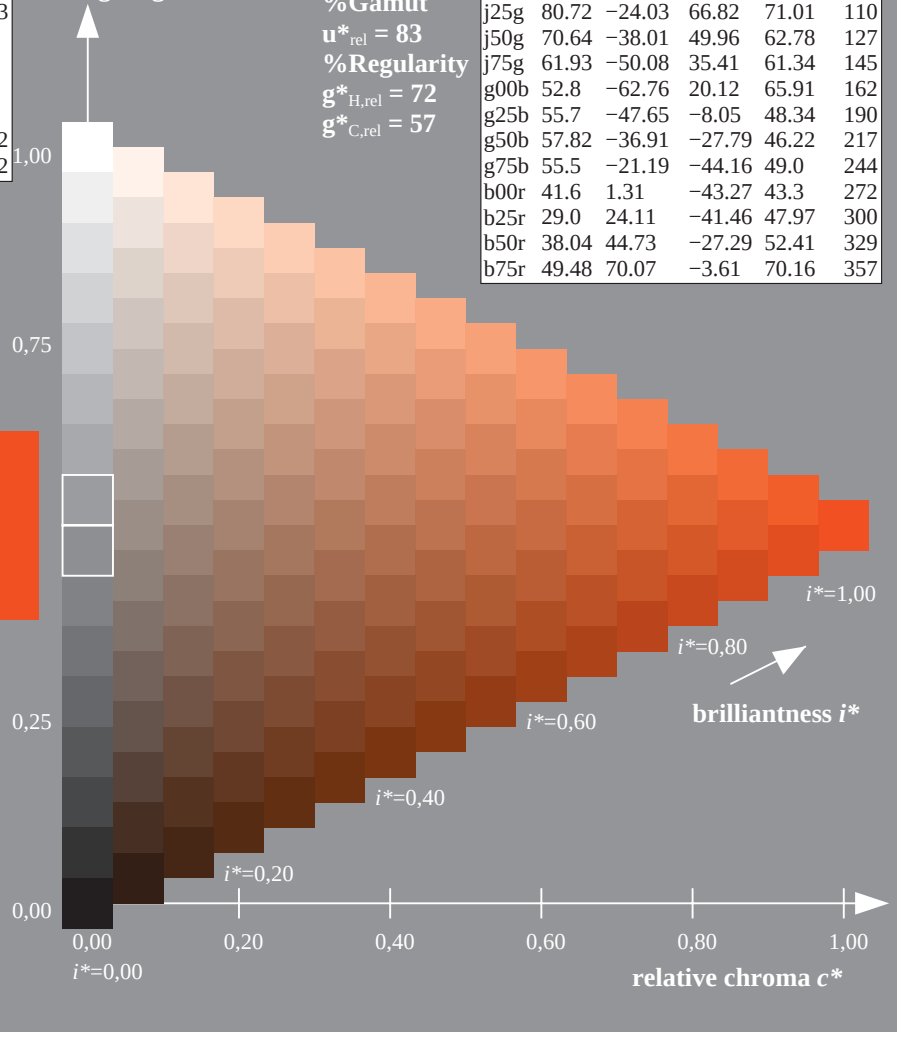
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 56 50 46**
LAB*LCH*$_{Ma}$**: 56 68 42**
lab*rgb*$_{Ma}$**: 1.0 0.25 0.0**
lab*olv*$_{Ma}$**: 1.0 0.17 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

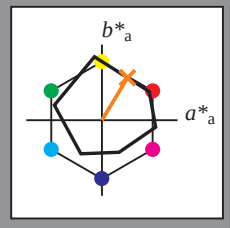
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

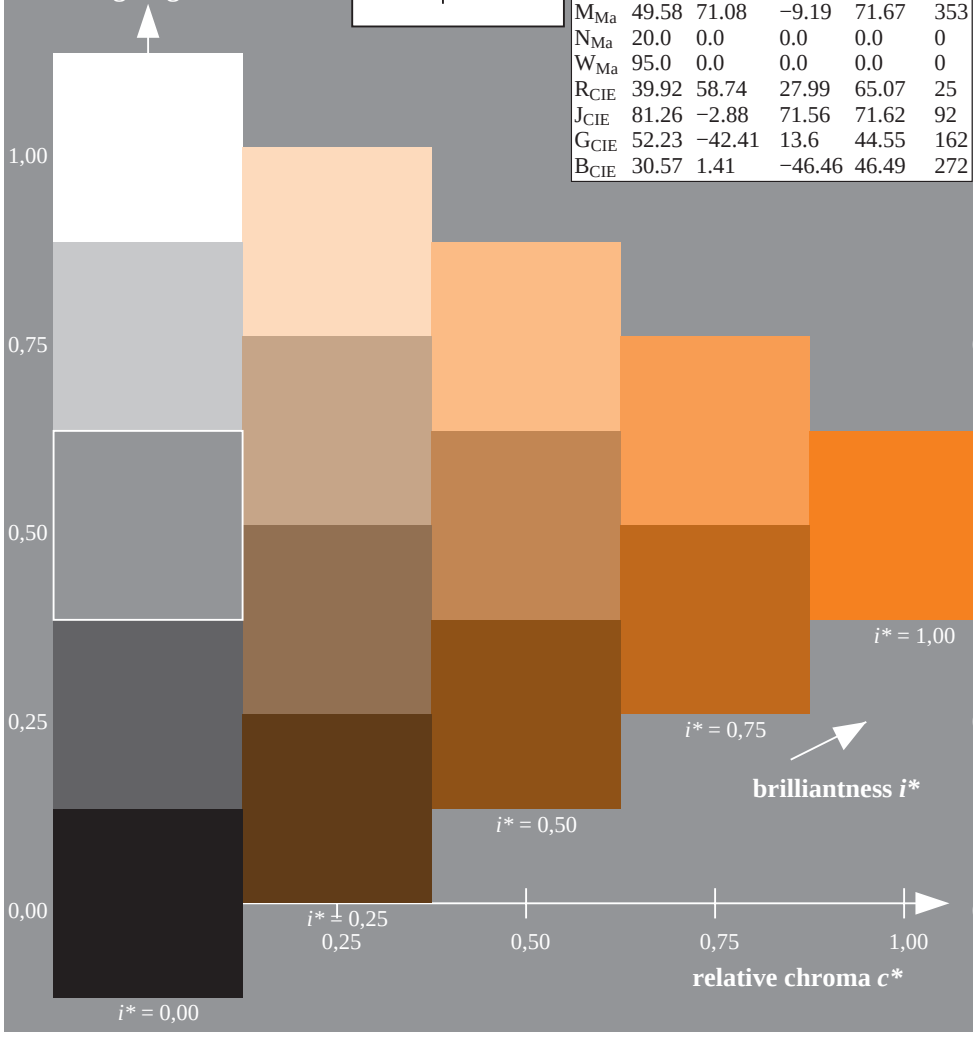
	L=L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

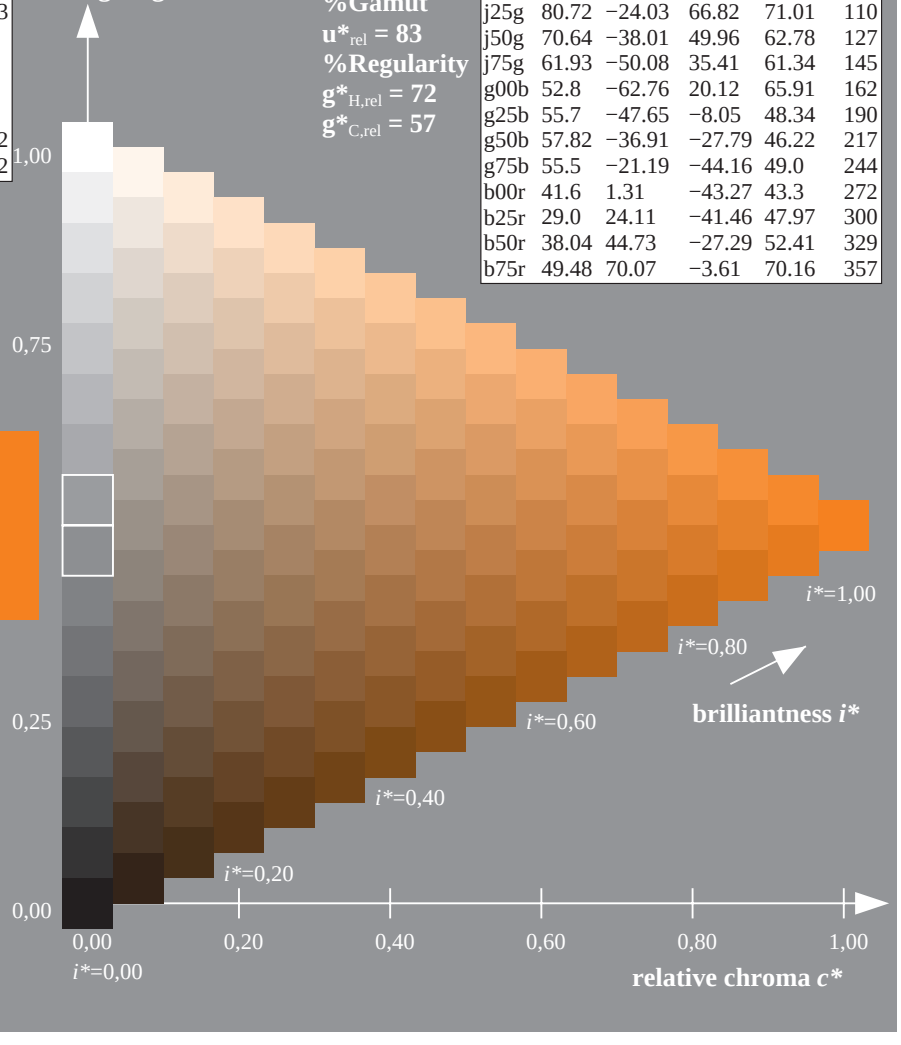
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 65 34 56**
LAB*LCH*$_{Ma}$**: 65 66 59**
lab*rgb*$_{Ma}$**: 1.0 0.5 0.0**
lab*olv*$_{Ma}$**: 1.0 0.4 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

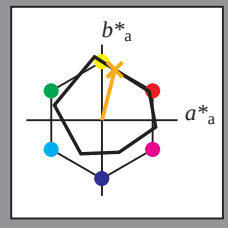
	L=L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

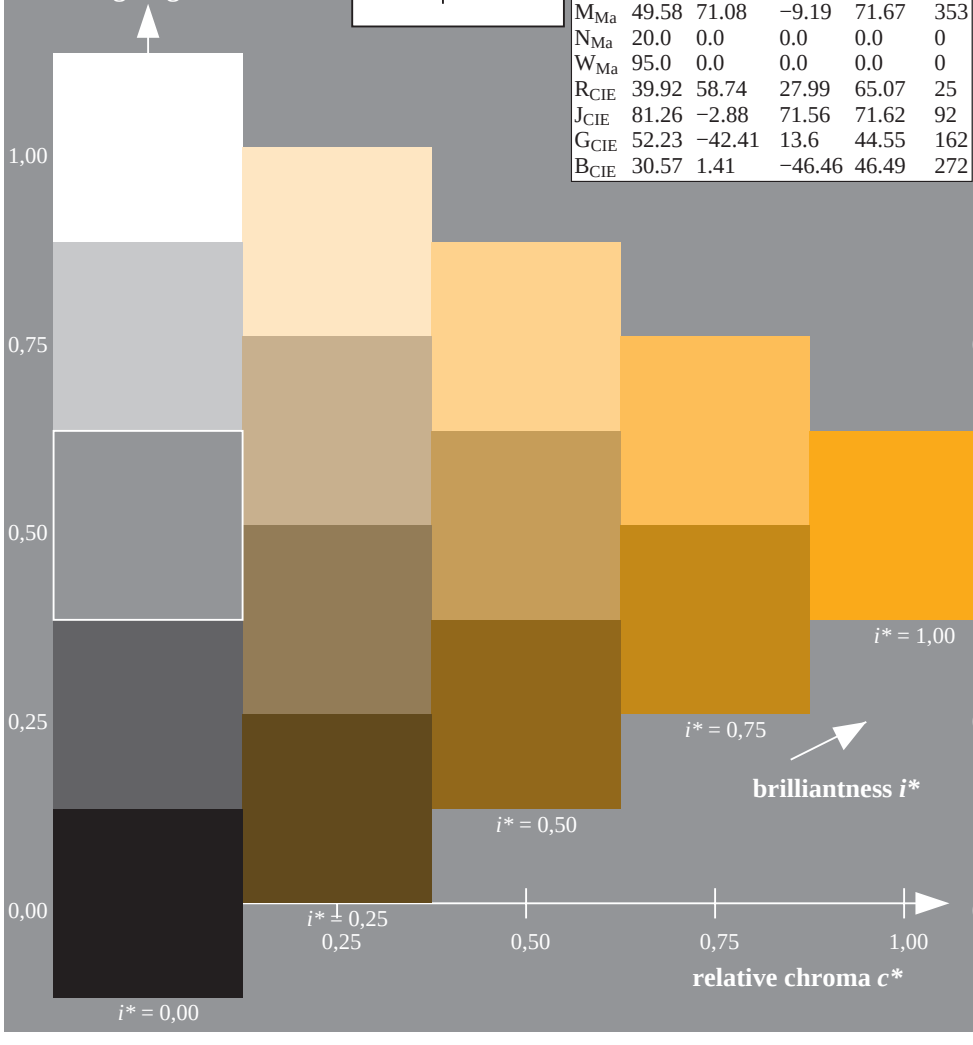
	L=L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

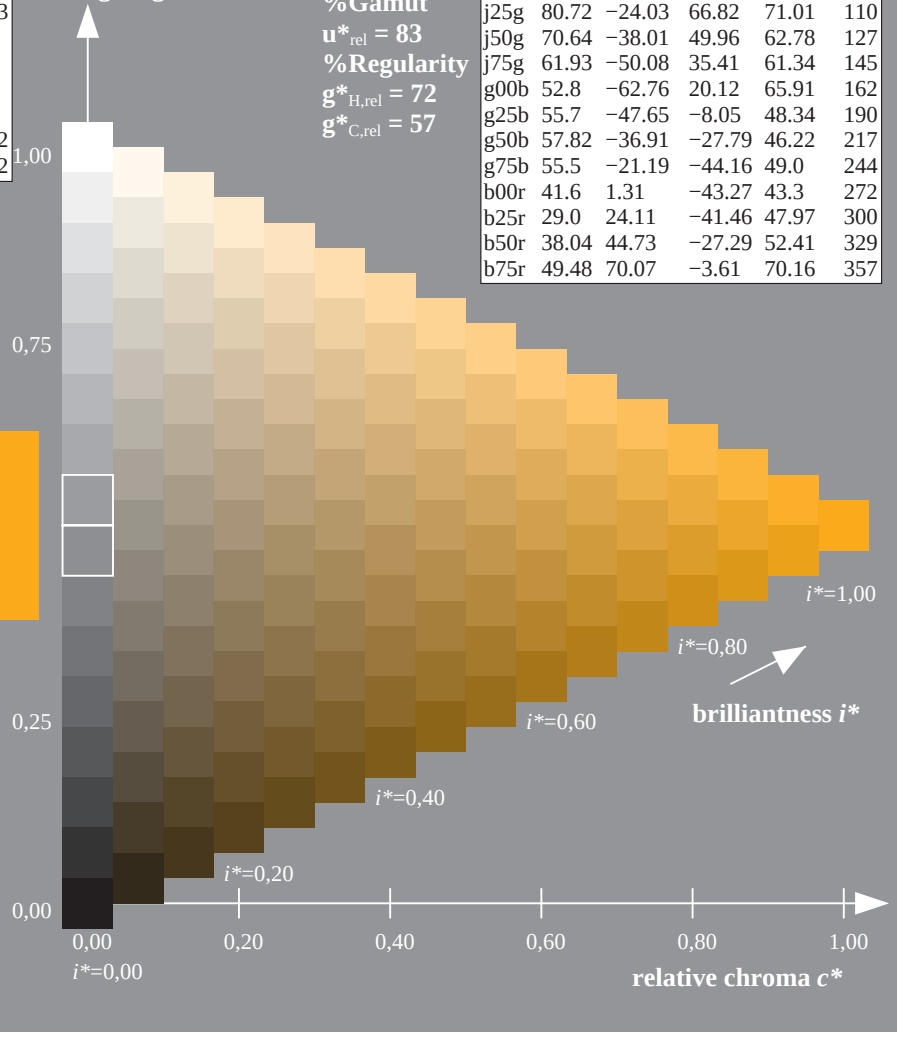
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 75 17 67**
LAB*LCH*$_{Ma}$**: 75 69 76**
lab*rgb*$_{Ma}$**: 1.0 0.75 0.0**
lab*olv*$_{Ma}$**: 1.0 0.63 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

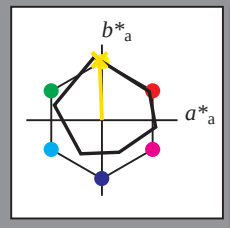
	L=L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

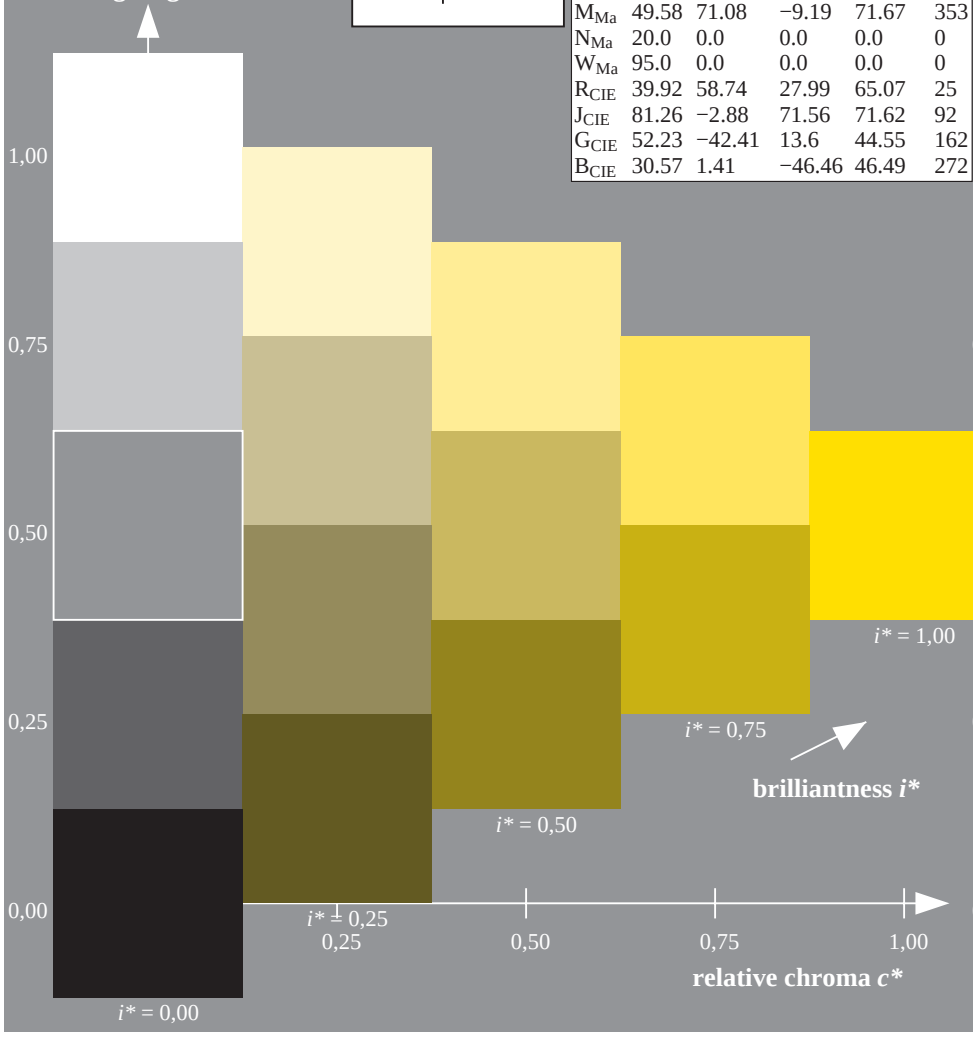
	L=L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

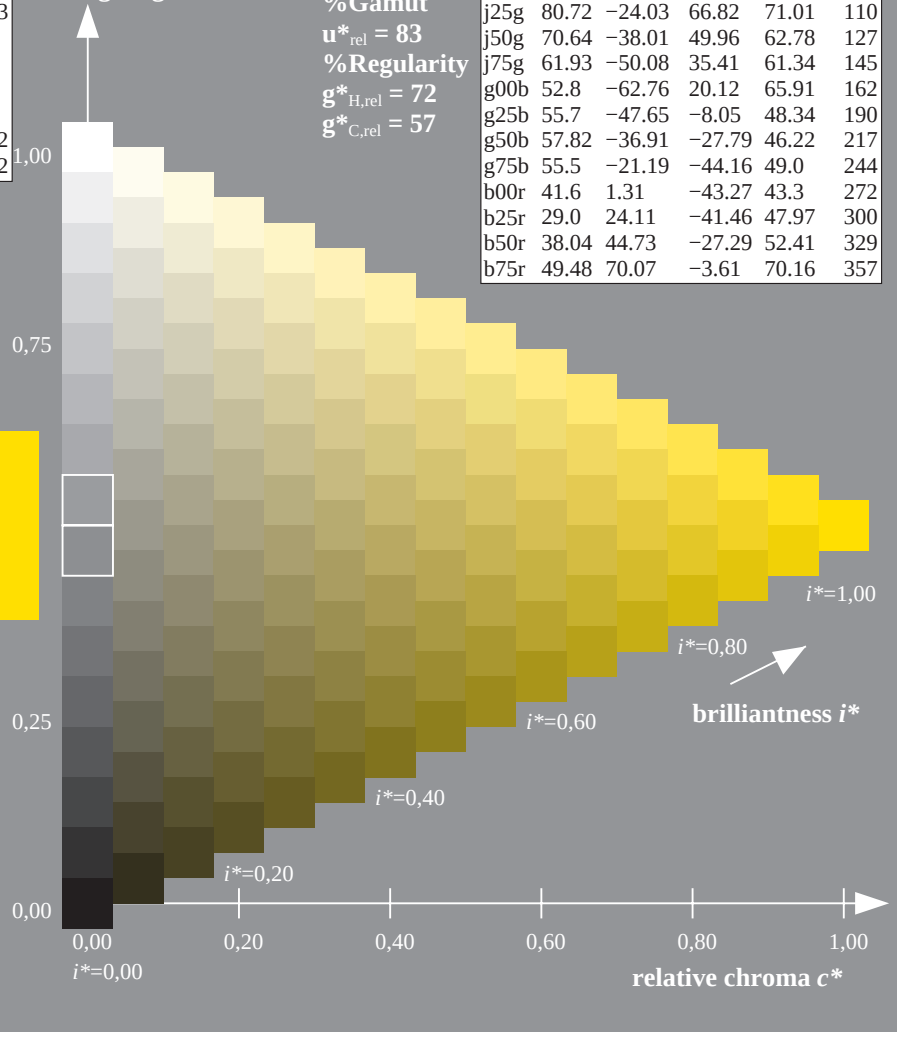
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 87 −2 80**
LAB*LCH*$_{Ma}$**: 87 80 92**
lab*rgb*$_{Ma}$**: 1.0 1.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.91 0.0**
triangle lightness *t**

%Gamut
u*$_{rel}$ = 83
%Regularity
g*$_{H,rel}$ = 72
g*$_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

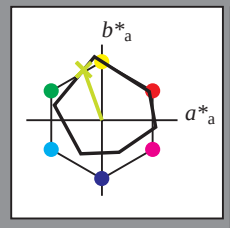
	L=L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

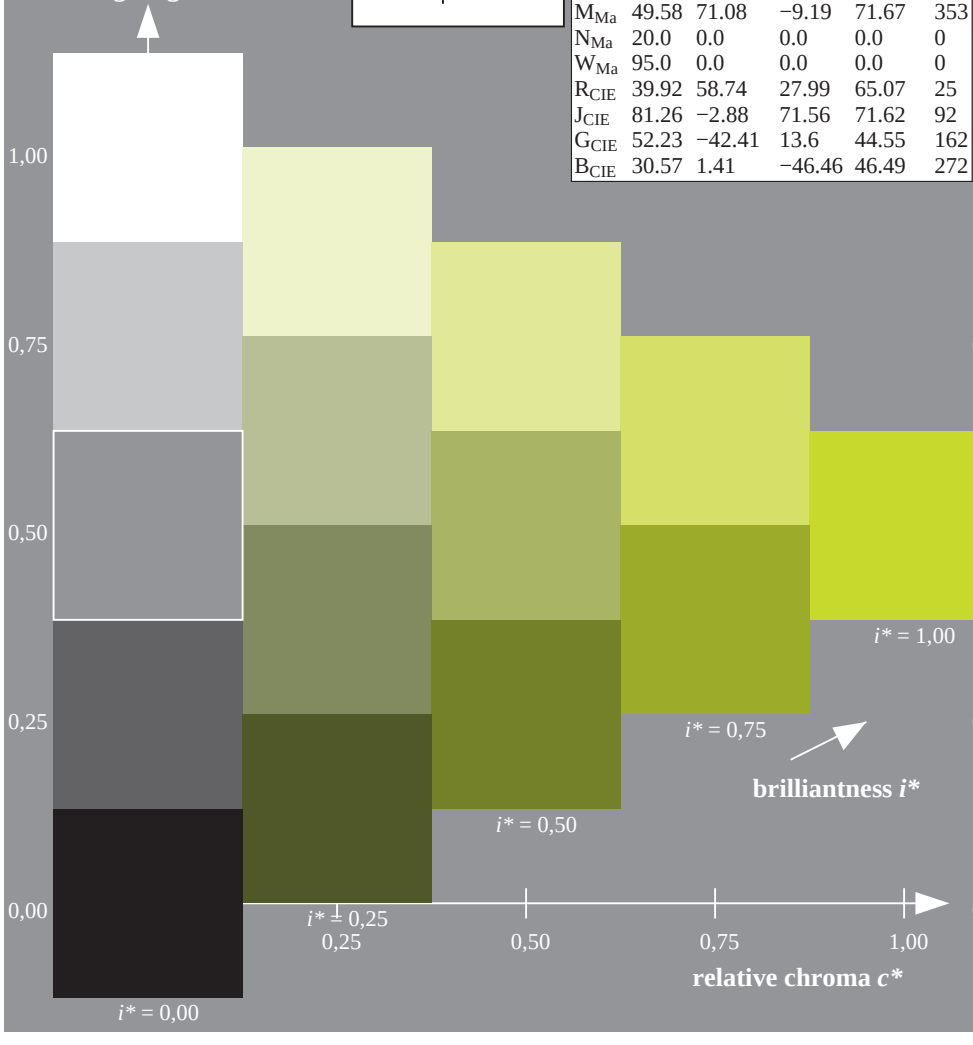
	L=L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

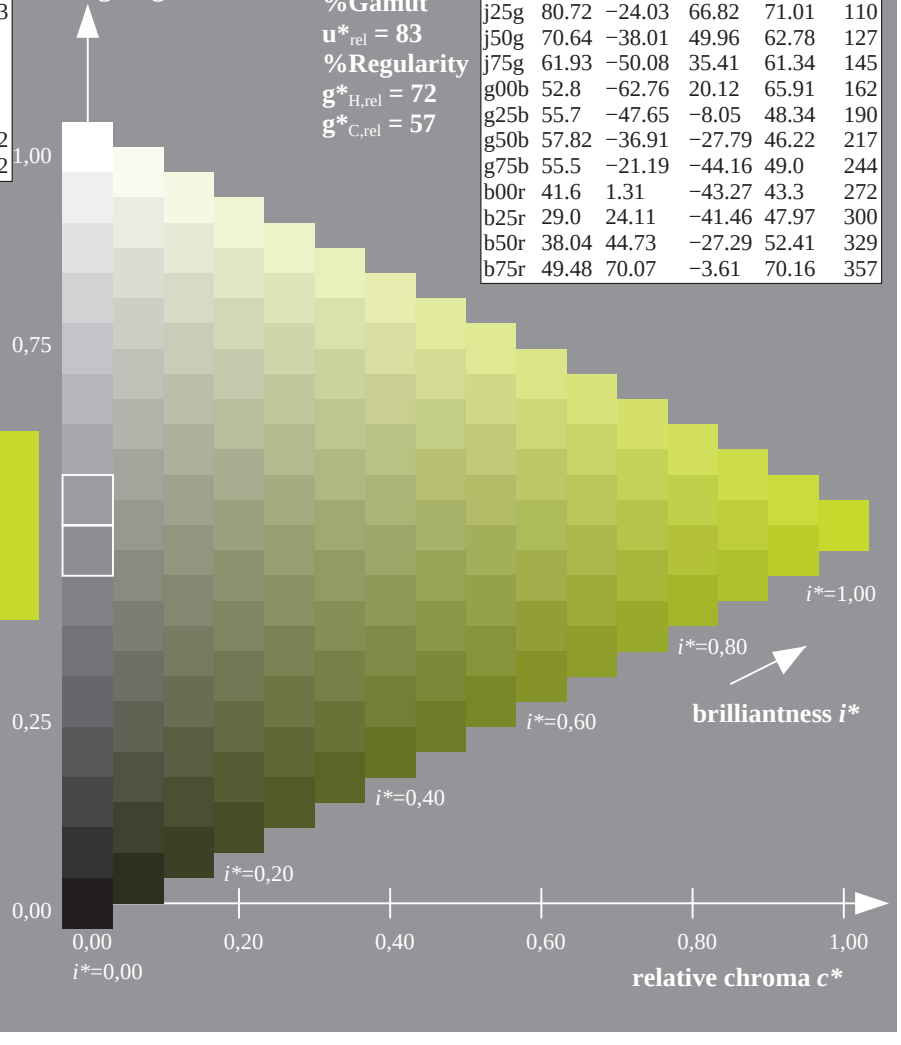
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 81 −23 67**
LAB*LCH*$_{Ma}$**: 81 71 110**
lab*rgb*$_{Ma}$**: 0.75 1.0 0.0**
lab*olv*$_{Ma}$**: 0.73 1.0 0.0**
triangle lightness *t**

%Gamut
u*$_{rel}$ = 83
%Regularity
g*$_{H,rel}$ = 72
g*$_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

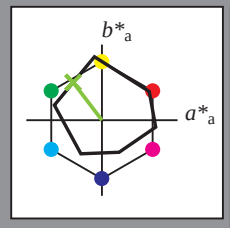
	L=L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

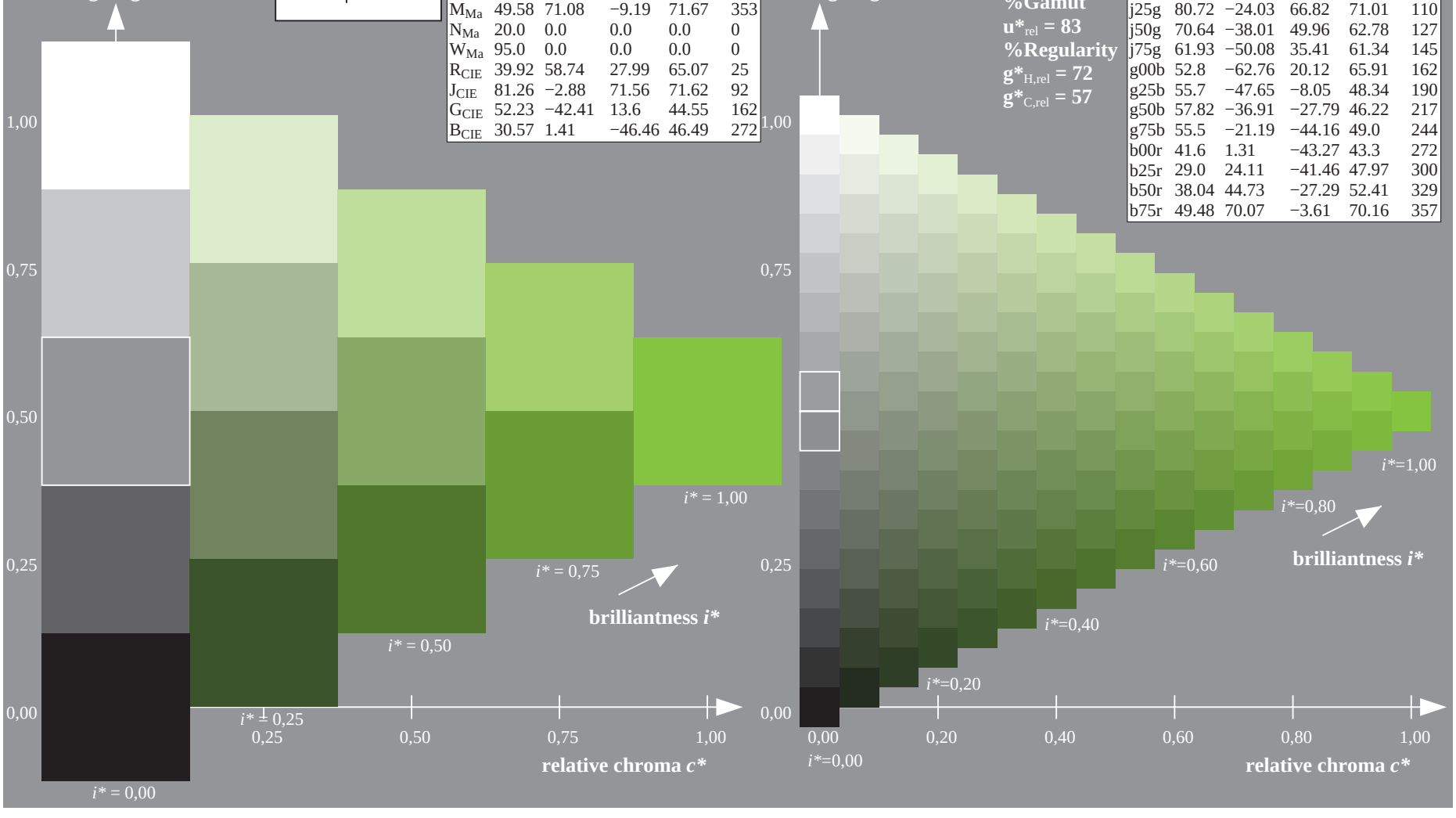
	L=L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 −37 50**
LAB*LCH*$_{Ma}$**: 71 63 127**
lab*rgb*$_{Ma}$**: 0.5 1.0 0.0**
lab*olv*$_{Ma}$**: 0.47 1.0 0.0**
triangle lightness *t**

%Gamut
u*$_{rel}$ = 83
%Regularity
g*$_{H,rel}$ = 72
g*$_{C,rel}$ = 57

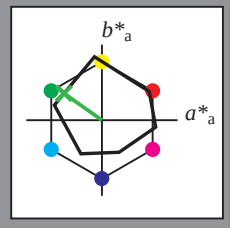
ORS20_95a; adapted (a) CIELAB data

	L=L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

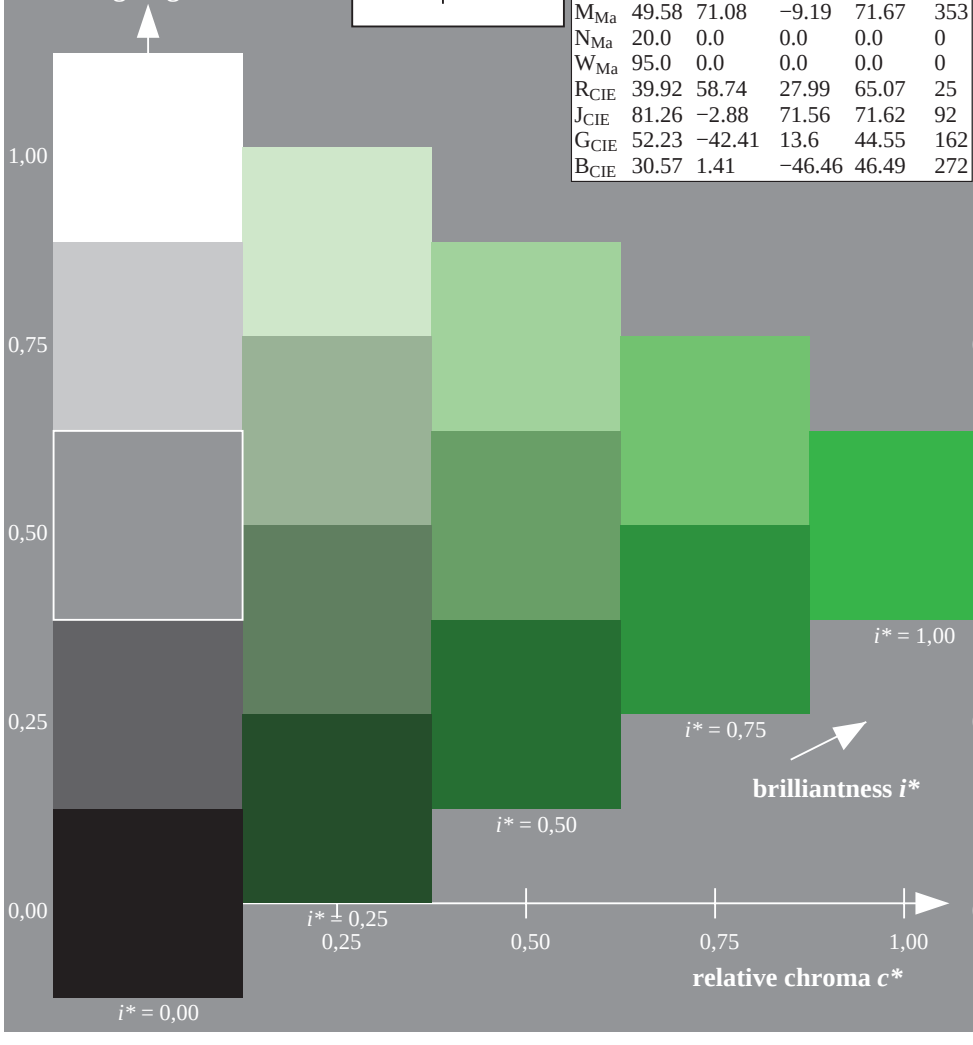
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

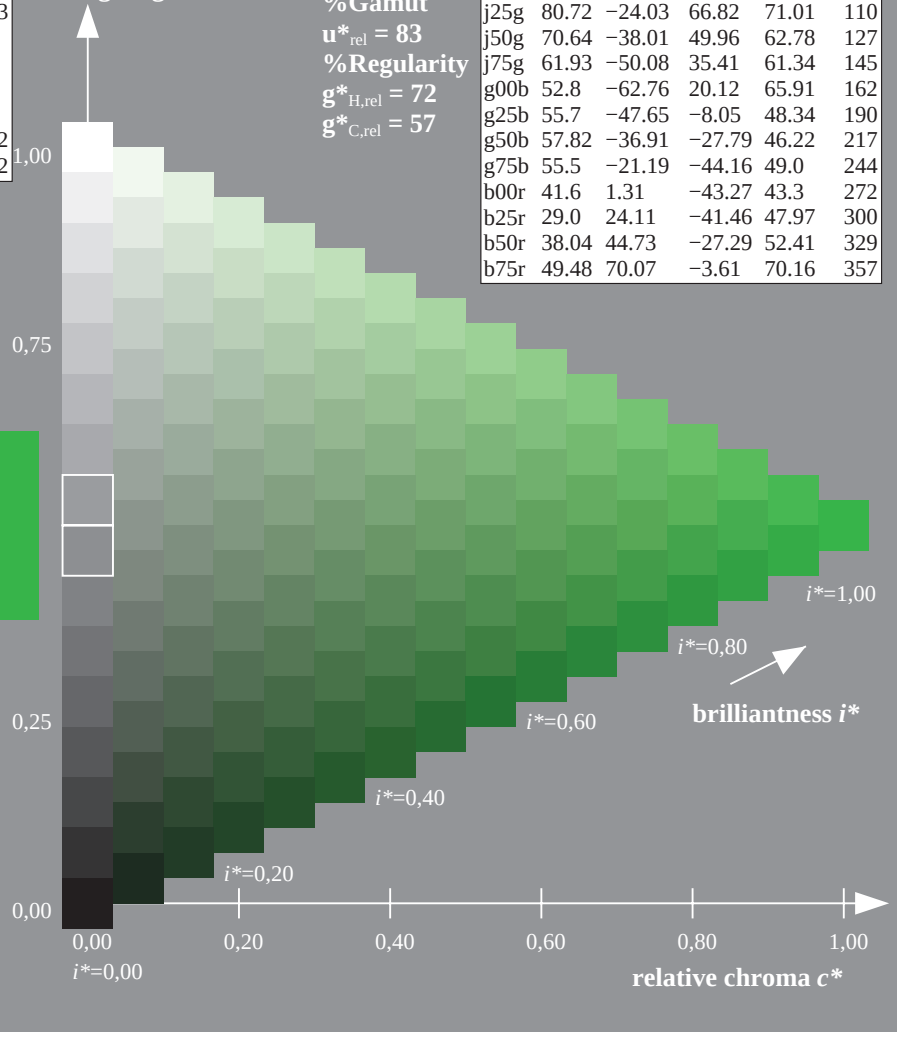
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 62 −49 35**
LAB*LCH*$_{Ma}$**: 62 61 145**
lab*rgb*$_{Ma}$**: 0.25 1.0 0.0**
lab*olv*$_{Ma}$**: 0.24 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

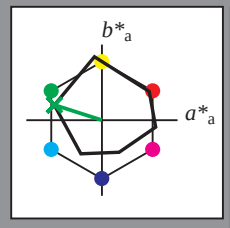
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

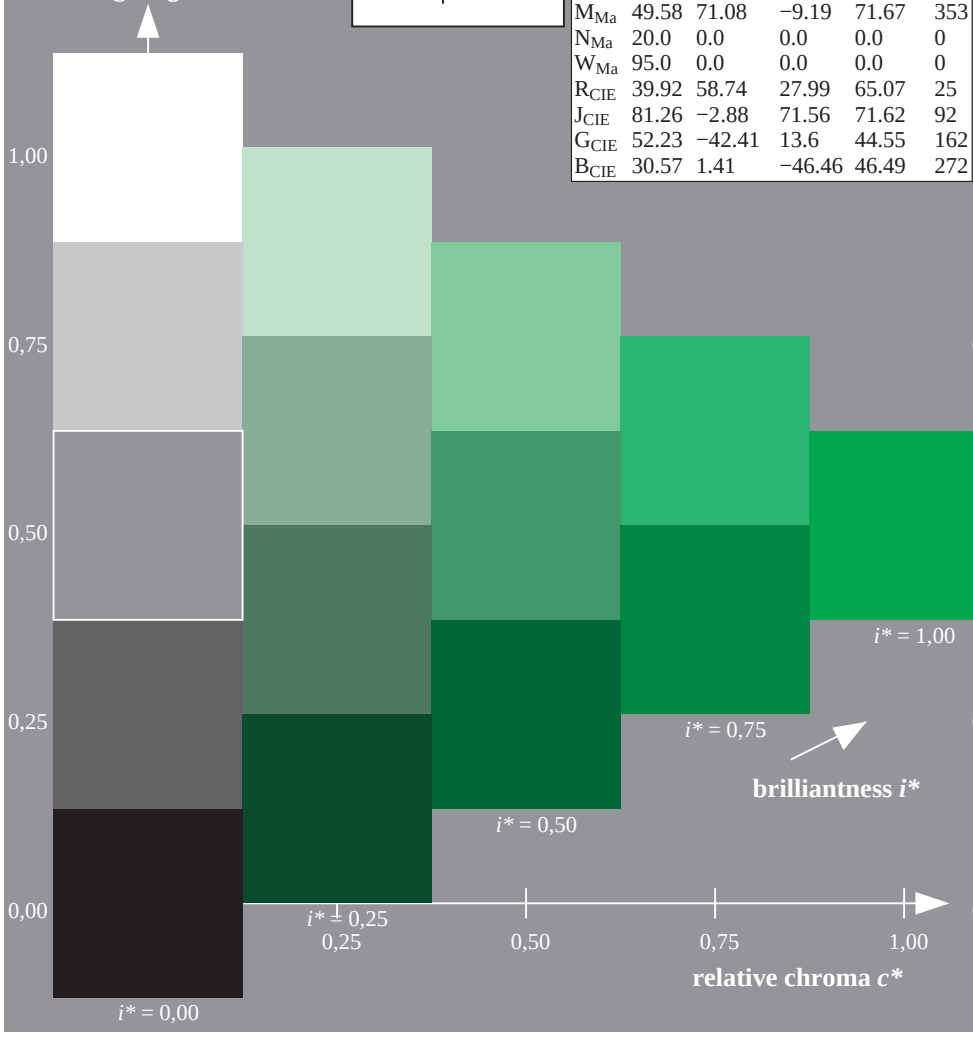
	L=L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

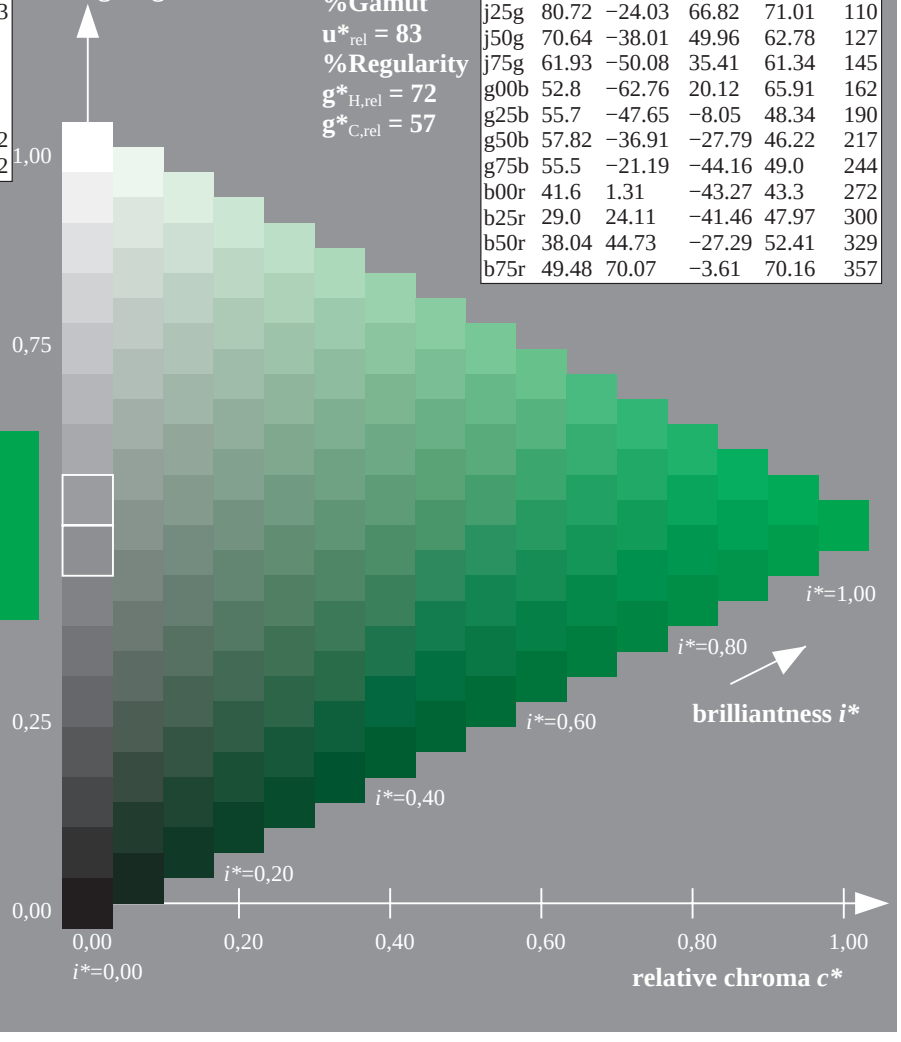
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 53 −62 20**
LAB*LCH*$_{Ma}$**: 53 66 162**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.0**
triangle lightness *t**

%Gamut
u*$_{rel}$ = 83
%Regularity
g*$_{H,rel}$ = 72
g*$_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

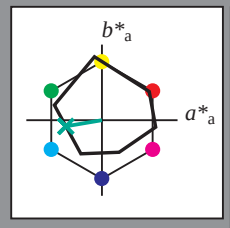
	L=L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

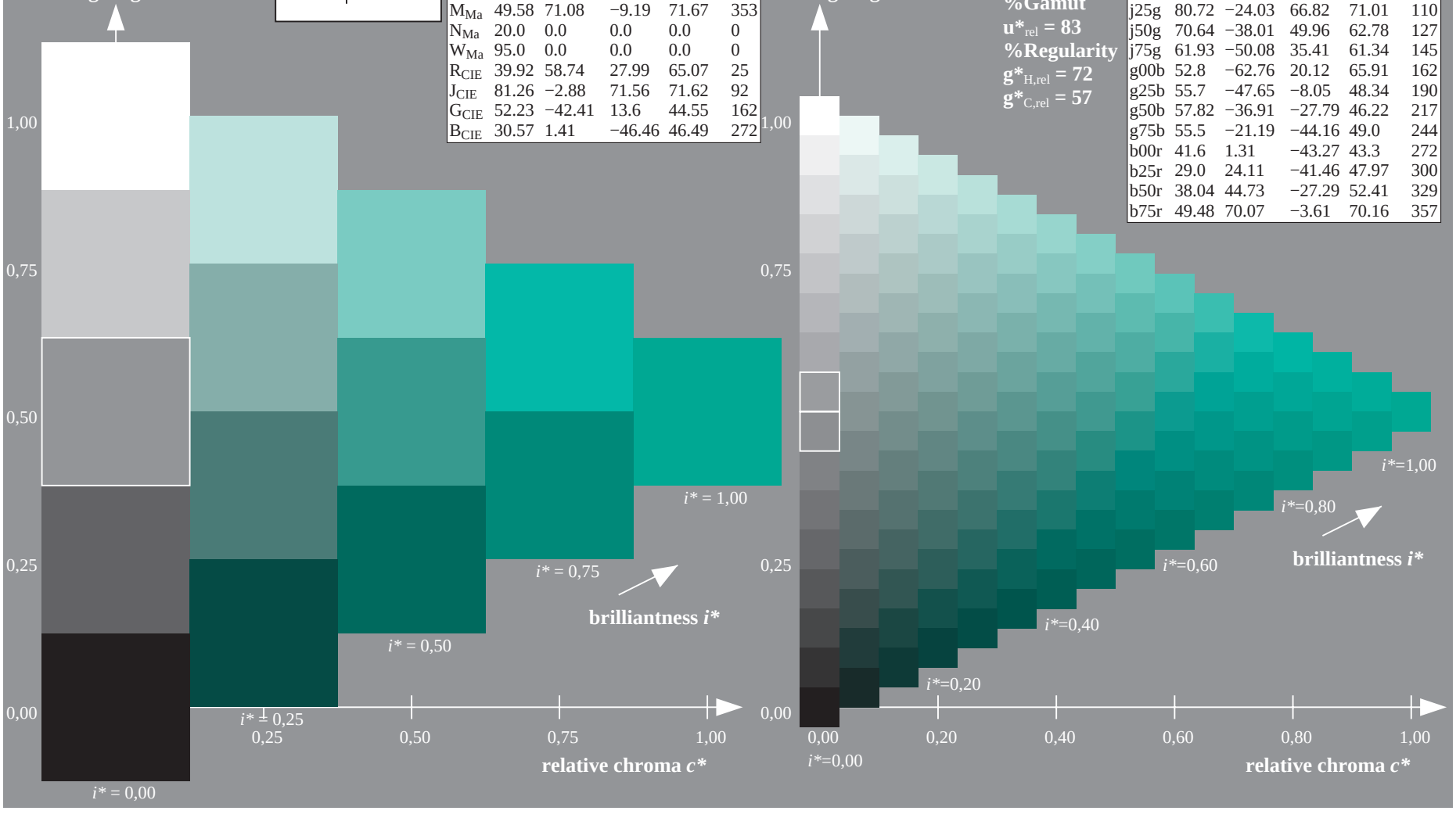
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 −47 −7**
LAB*LCH*$_{Ma}$**: 56 48 190**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.5**
lab*olv*$_{Ma}$**: 0.0 1.0 0.44**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

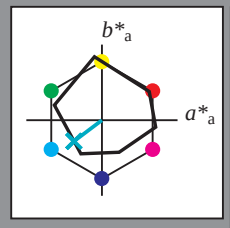
ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

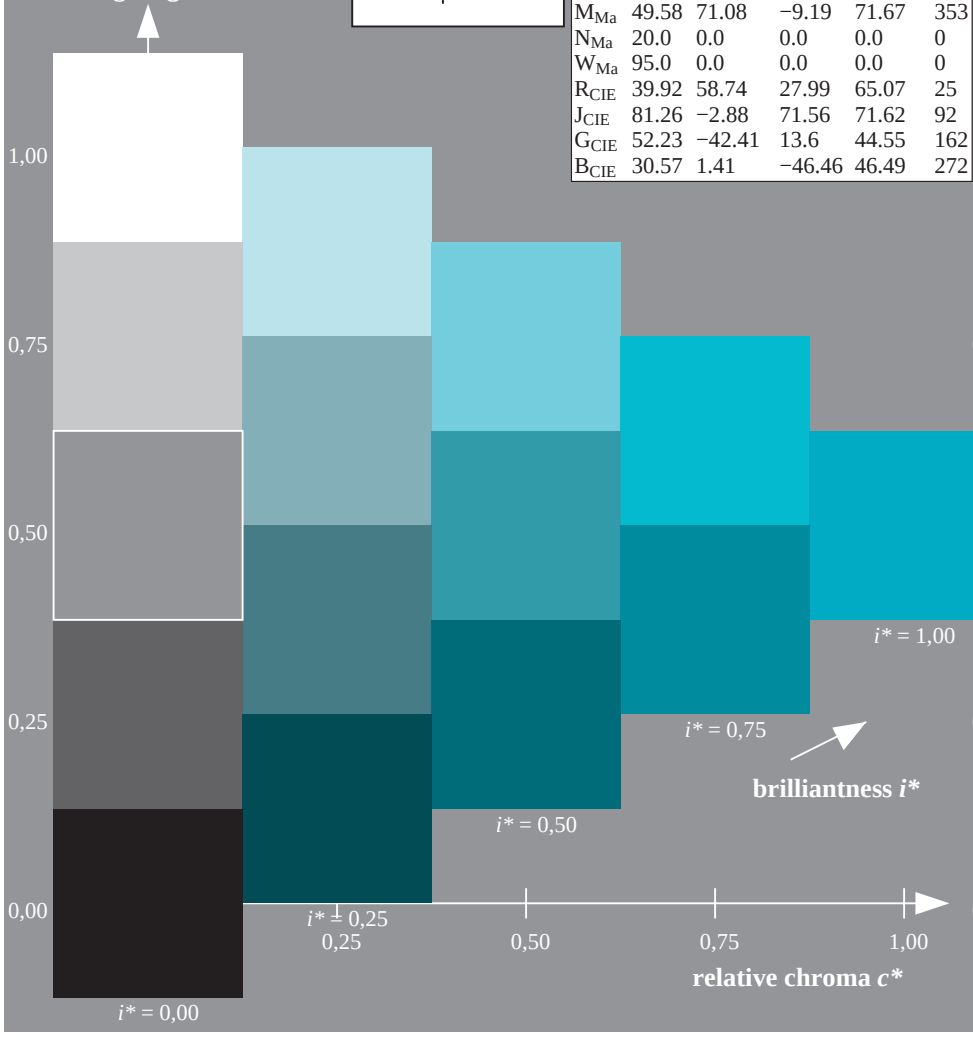
	L=L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

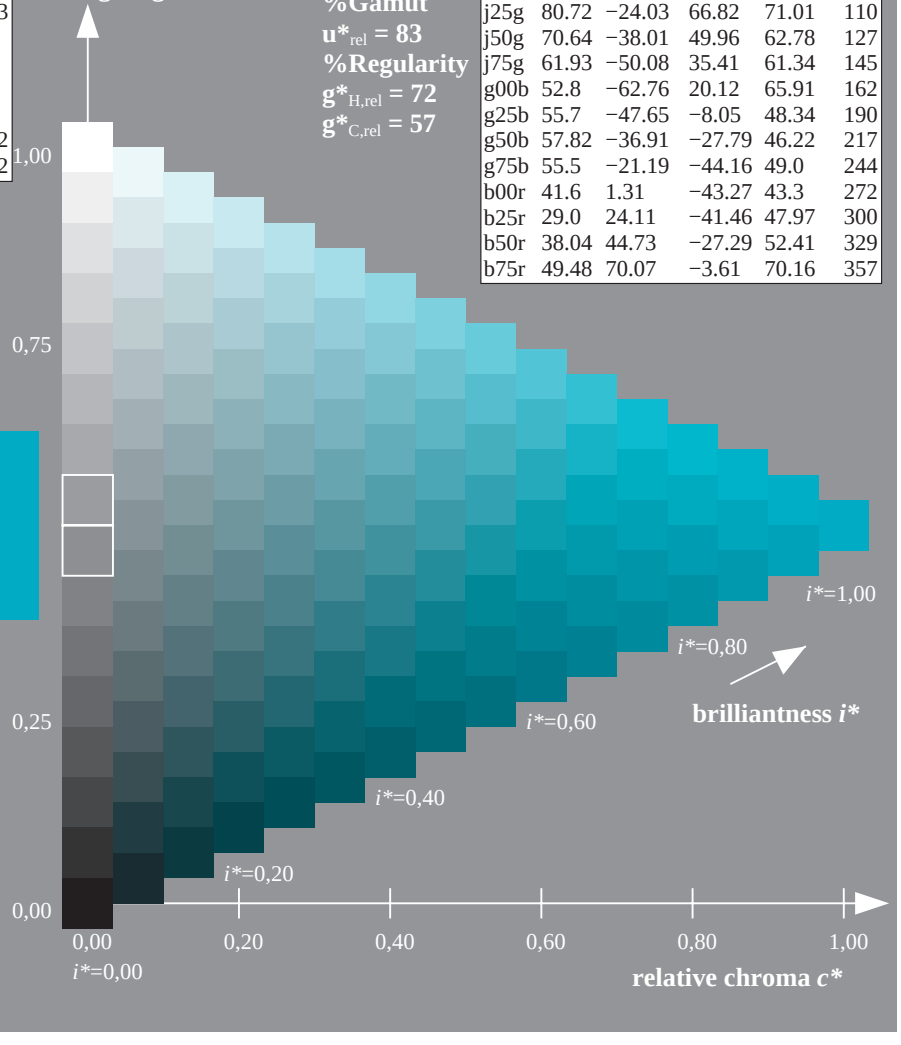
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 58 −36 −27**
LAB*LCH*$_{Ma}$**: 58 46 217**
lab*rgb*$_{Ma}$**: 0.0 1.0 1.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.74**
triangle lightness *t**

%Gamut
u*$_{rel}$ = 83
%Regularity
g*$_{H,rel}$ = 72
g*$_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

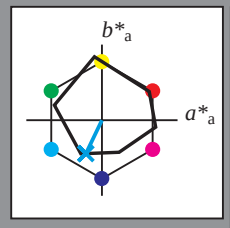
	L=L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

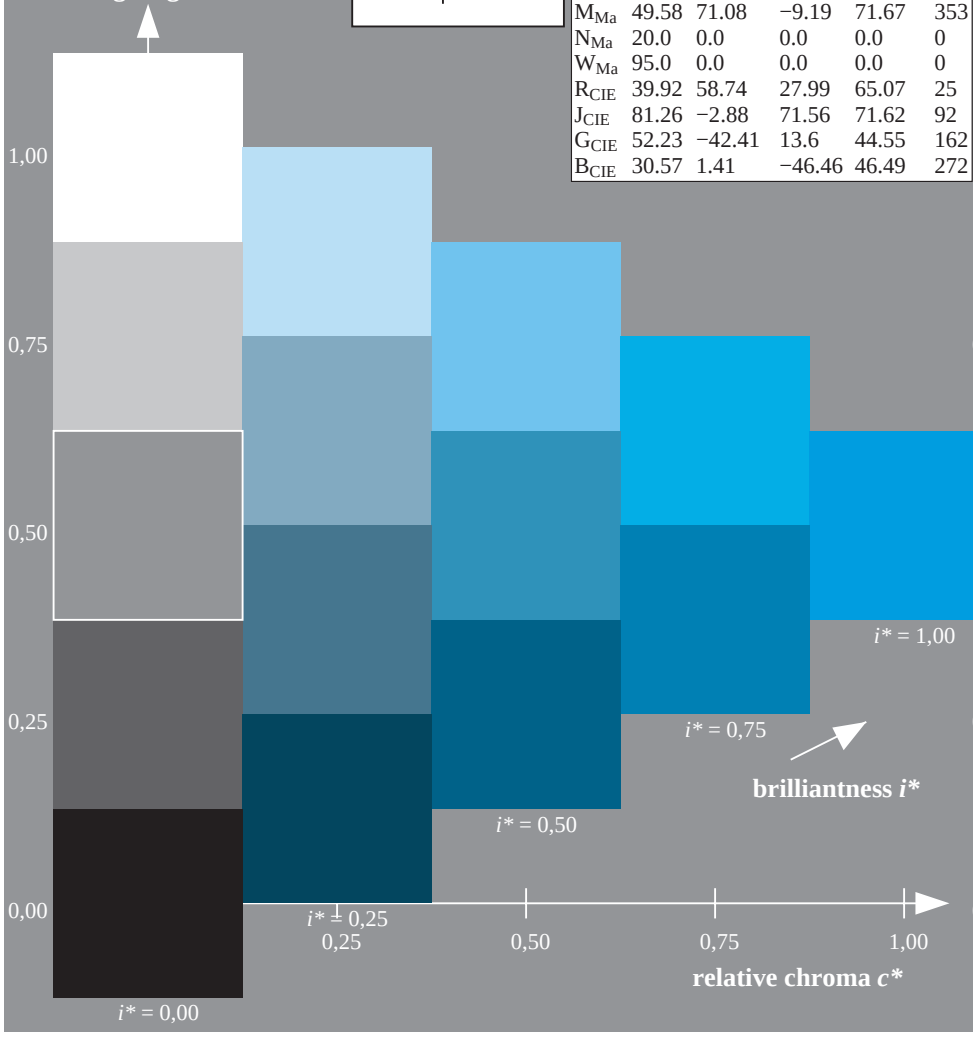
	L=L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

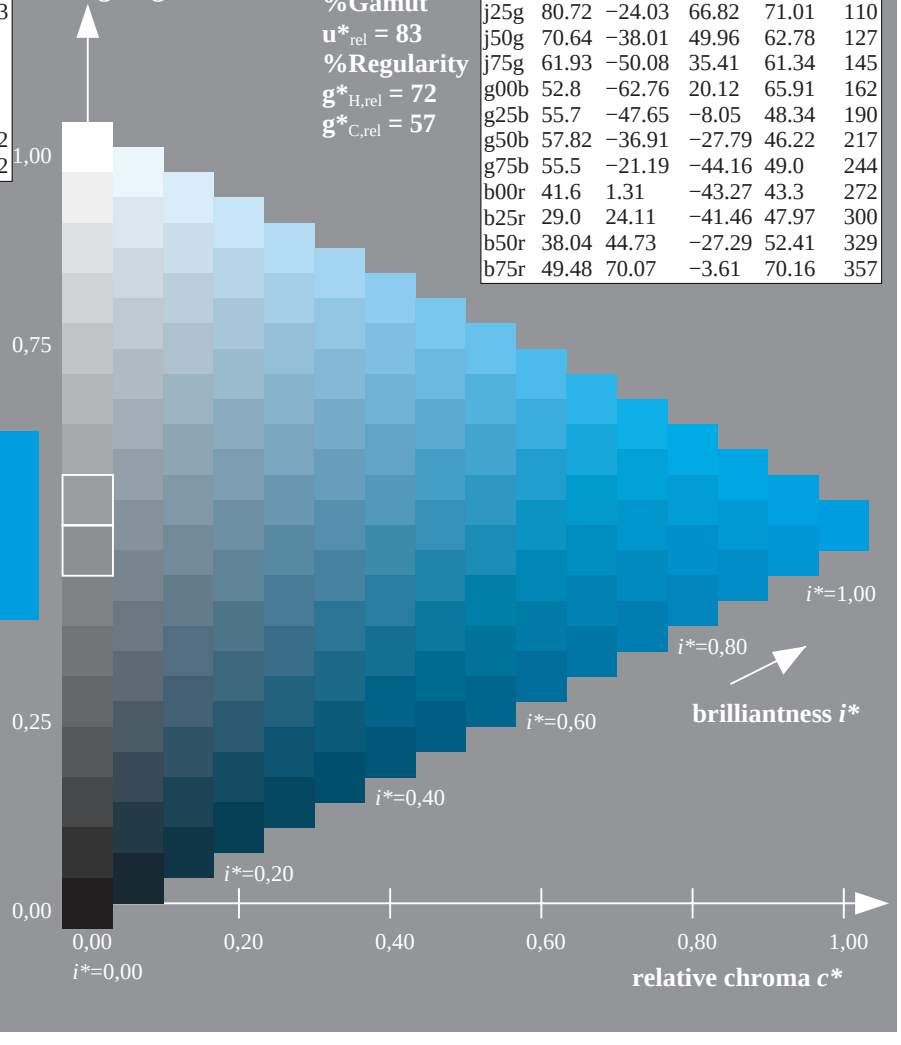
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 55 −20 −43**
LAB*LCH*$_{Ma}$**: 55 49 244**
lab*rgb*$_{Ma}$**: 0.0 0.5 1.0**
lab*olv*$_{Ma}$**: 0.0 0.87 1.0**
triangle lightness *t**

%Gamut
u*$_{rel}$ = 83
%Regularity
g*$_{H,rel}$ = 72
g*$_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

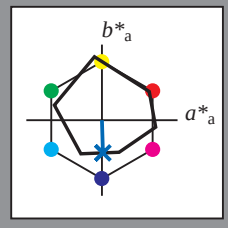
	L=L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

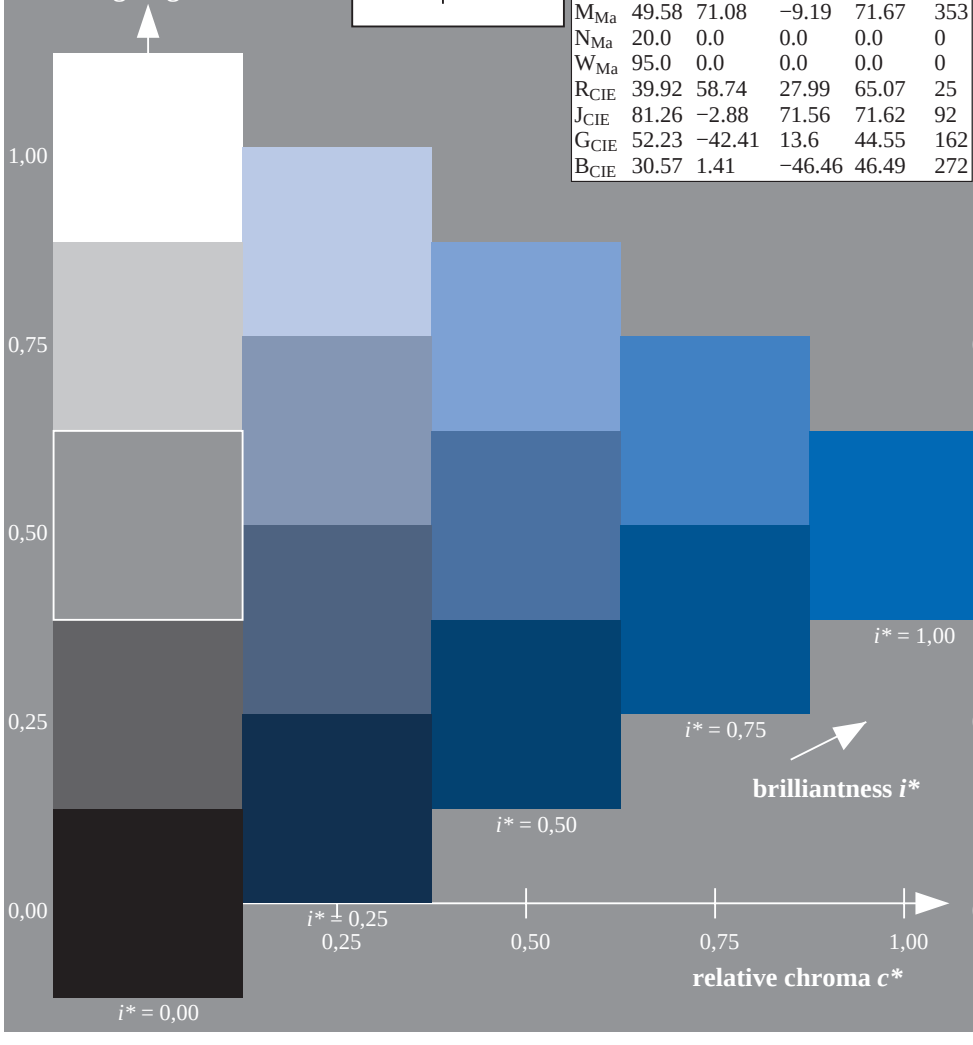
	L=L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

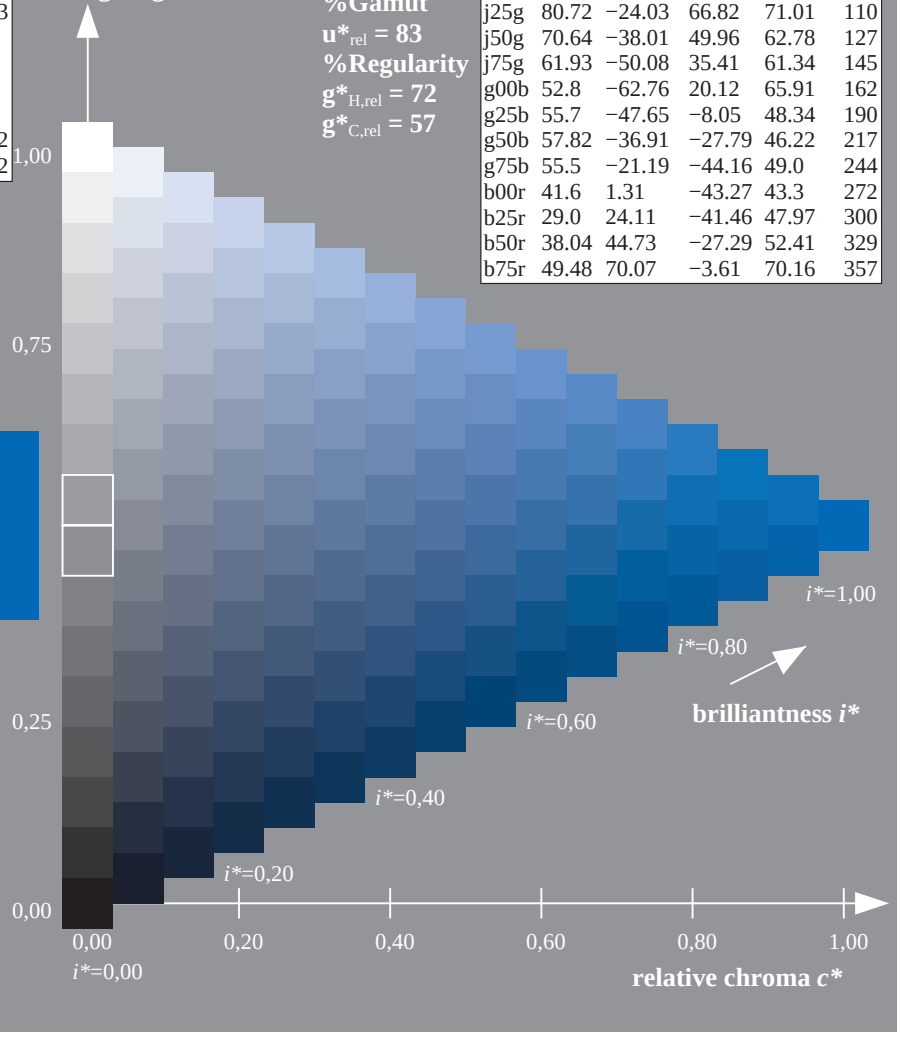
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 42 1 −42**
LAB*LCH*$_{Ma}$**: 42 43 272**
lab*rgb*$_{Ma}$**: 0.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.0 0.42 1.0**
triangle lightness *t**

%Gamut
u*$_{rel}$ = 83
%Regularity
g*$_{H,rel}$ = 72
g*$_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

	L=L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

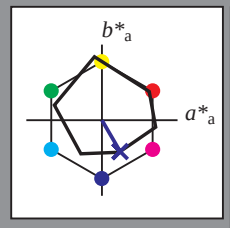




input: *000n / w / nnn0 / www set...*
output: *−>cmyn5* setcmykcolor*

Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

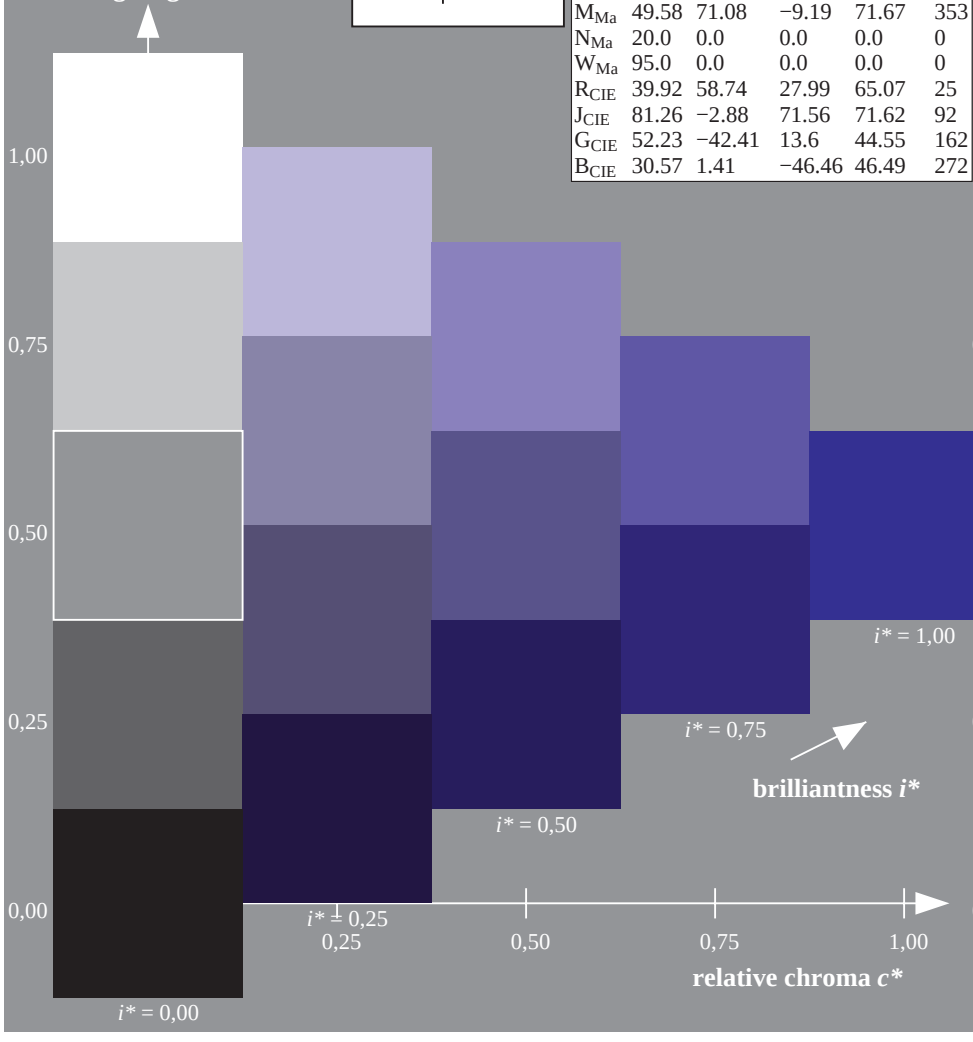
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

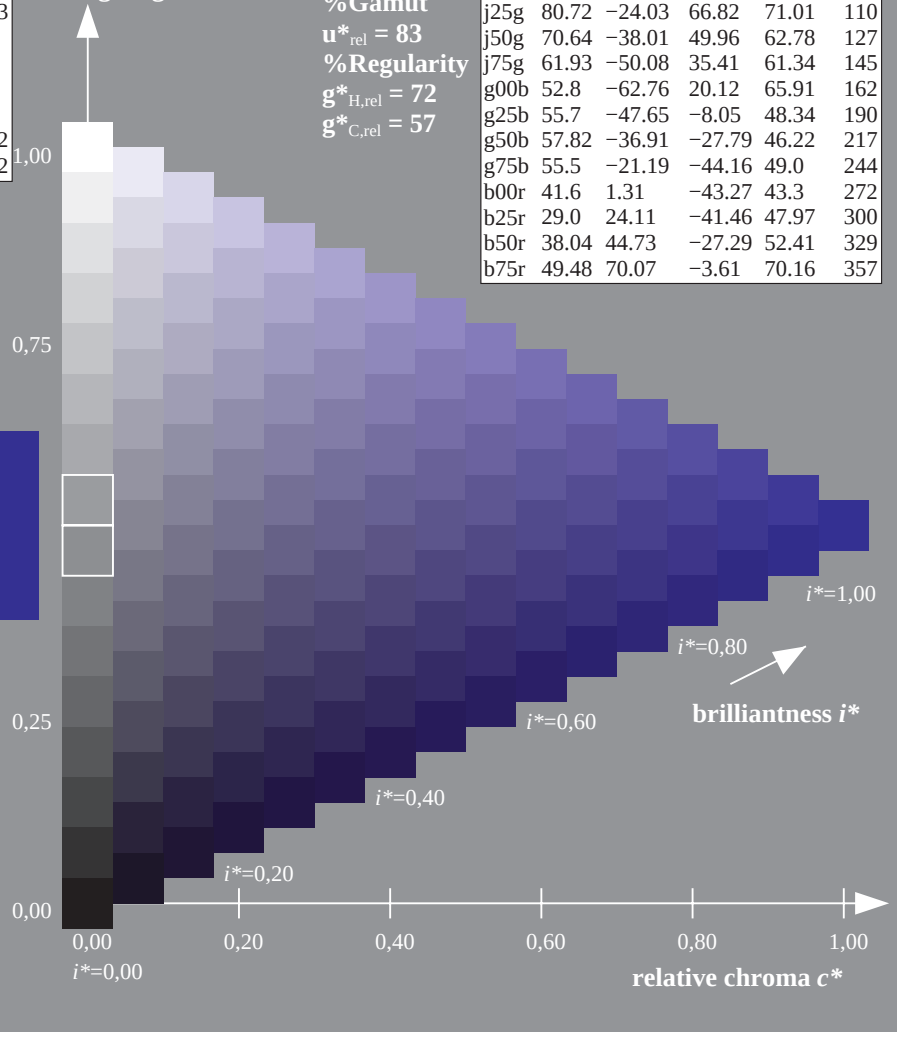
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 29 24 −40**
LAB*LCH*$_{Ma}$**: 29 48 300**
lab*rgb*$_{Ma}$**: 0.5 0.0 1.0**
lab*olv*$_{Ma}$**: 0.03 0.0 1.0**
triangle lightness *t**

%Gamut
u*$_{rel}$ = 83
%Regularity
g*$_{H,rel}$ = 72
g*$_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

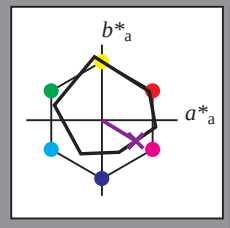
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

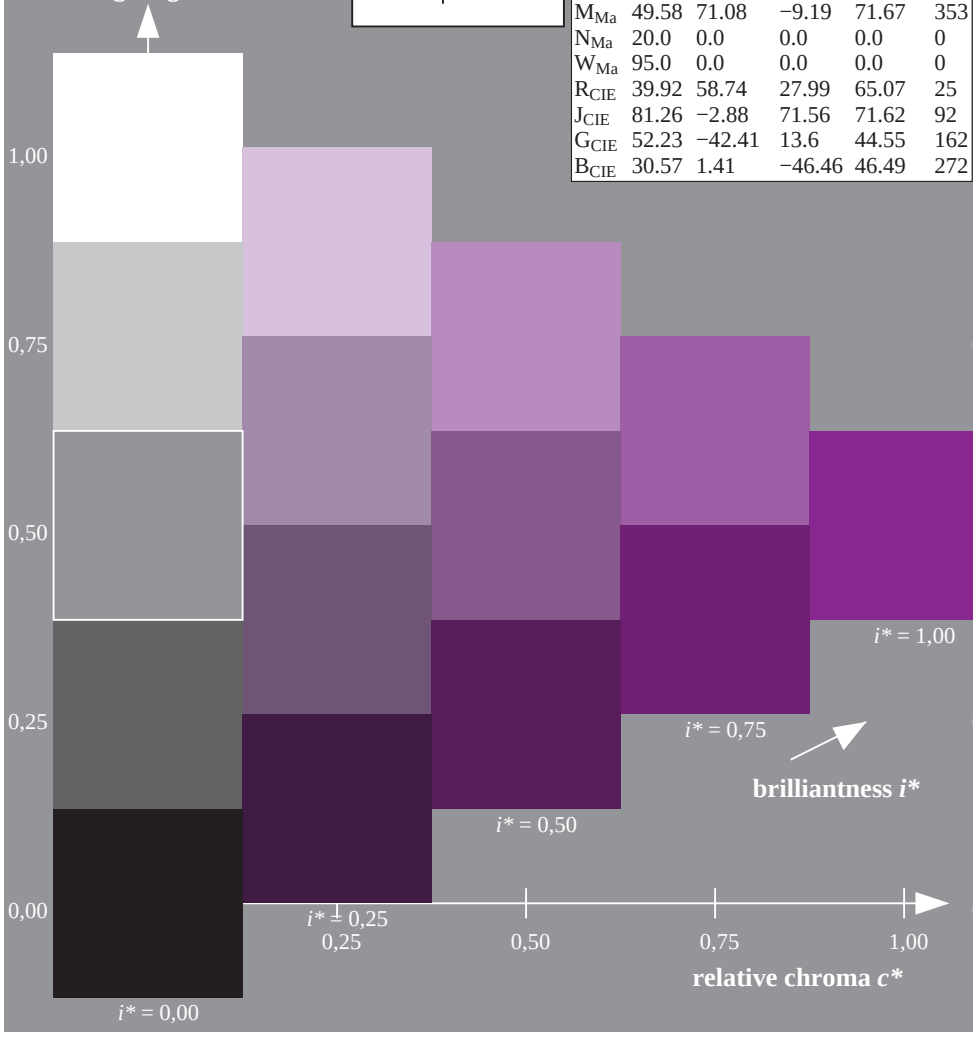
	L=L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

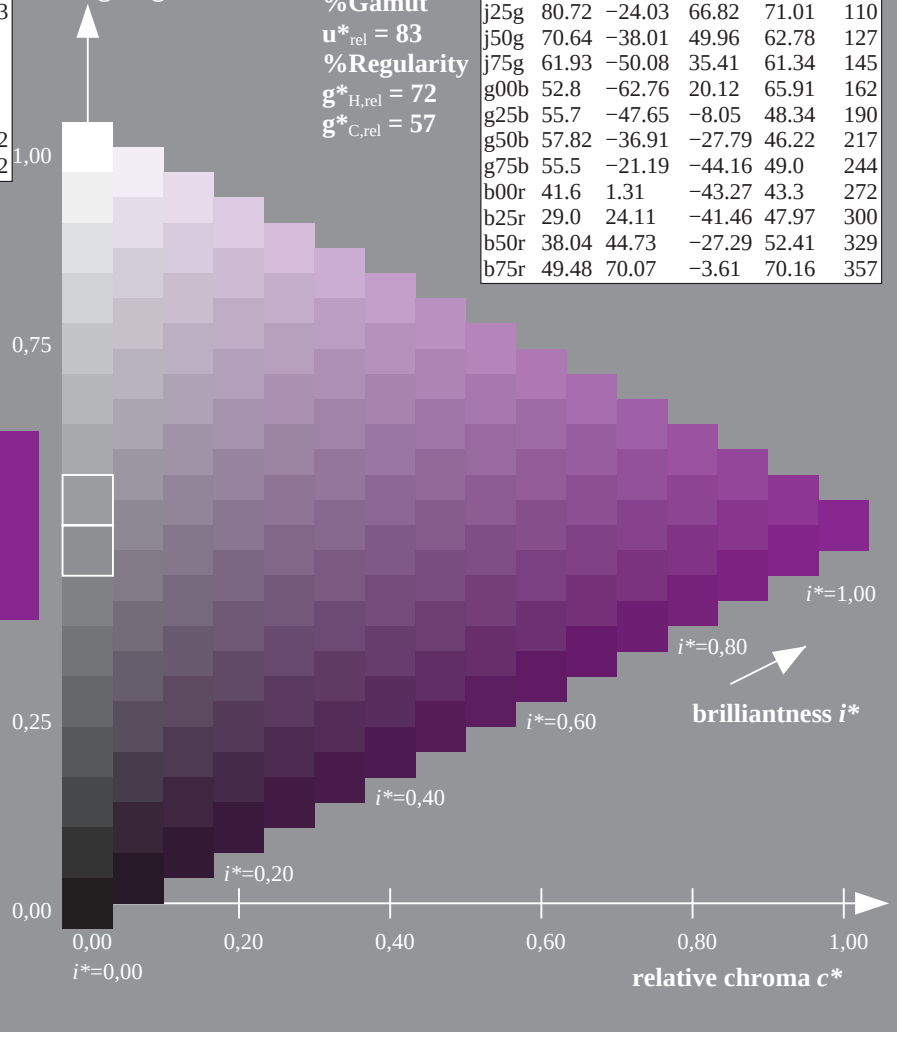
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 38 45 −26**
LAB*LCH*$_{Ma}$**: 38 52 329**
lab*rgb*$_{Ma}$**: 1.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.46 0.0 1.0**
triangle lightness *t**

%Gamut
u*$_{rel}$ = 83
%Regularity
g*$_{H,rel}$ = 72
g*$_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

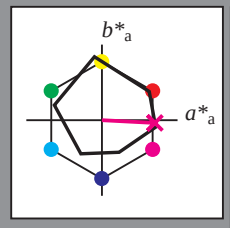
	L=L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

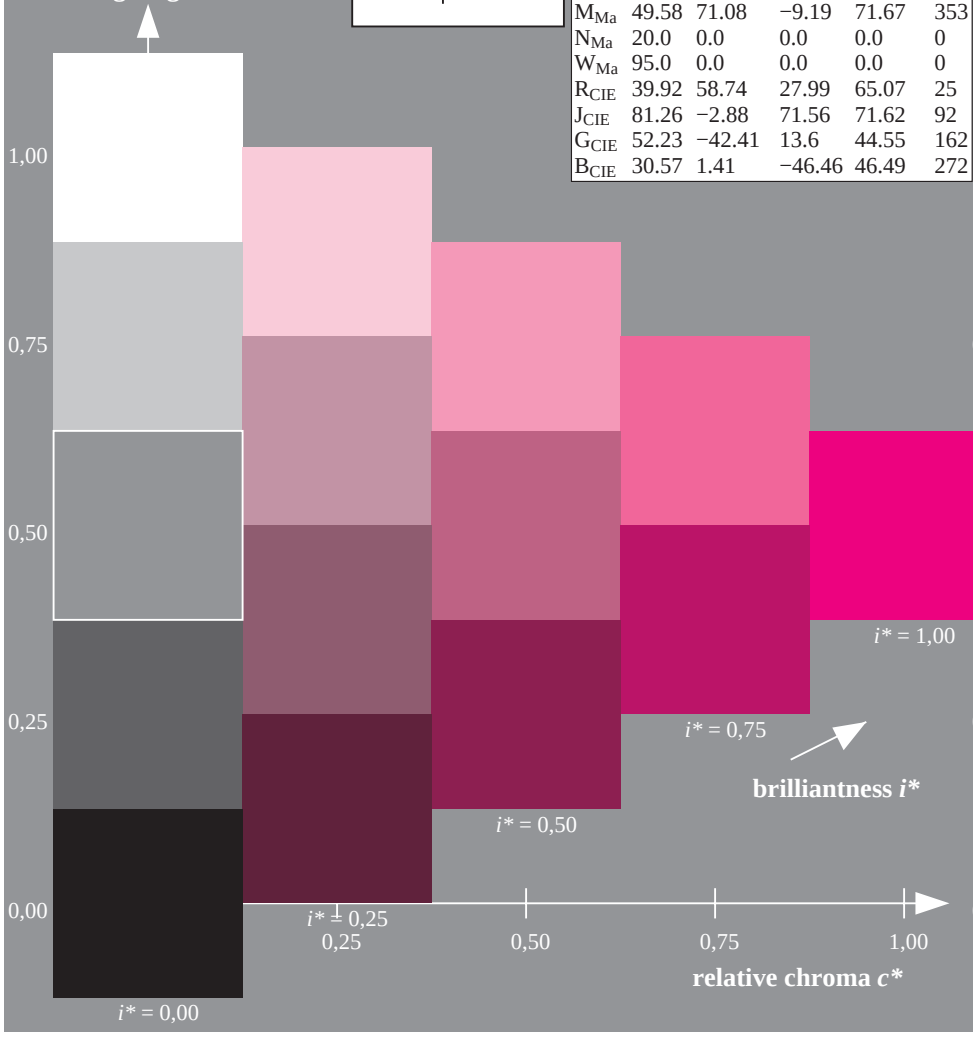
	L=L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

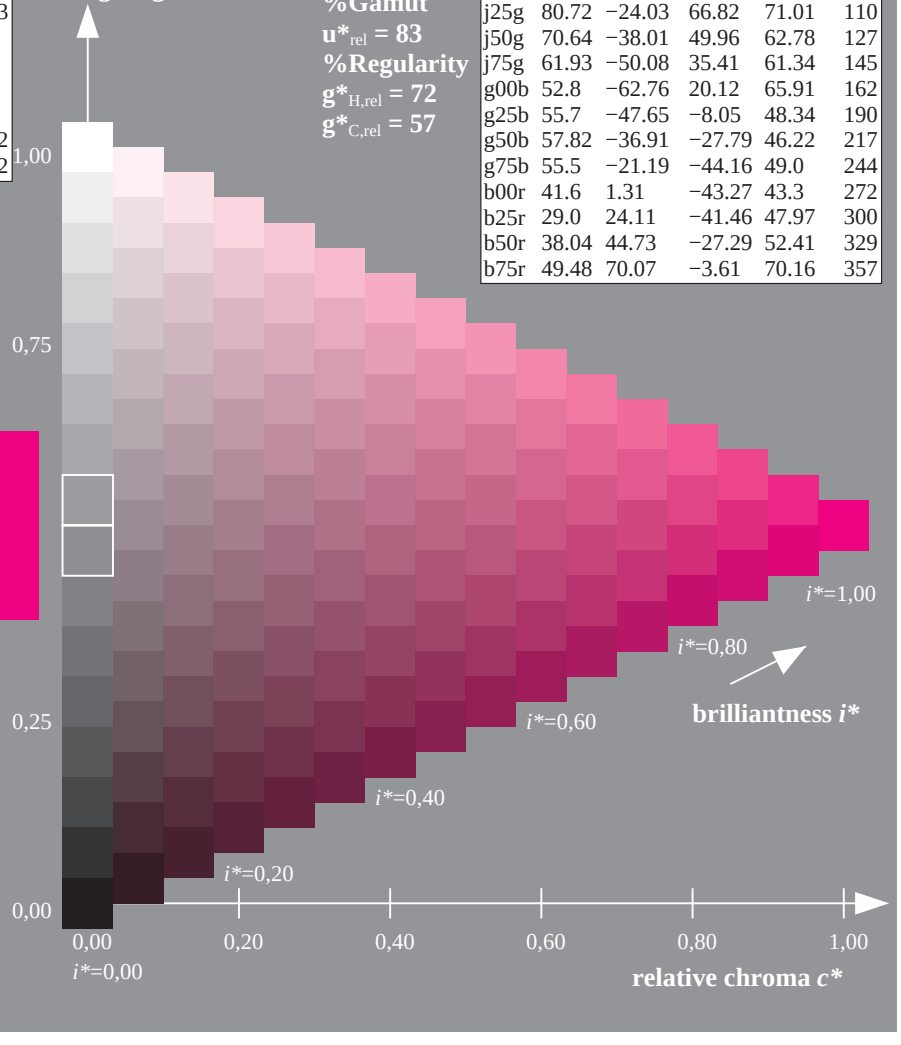
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 49 70 −3**
LAB*LCH*$_{Ma}$**: 49 70 357**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.5**
lab*olv*$_{Ma}$**: 1.0 0.0 0.88**
triangle lightness *t**

%Gamut
u*$_{rel}$ = 83
%Regularity
g*$_{H,rel}$ = 72
g*$_{C,rel}$ = 57

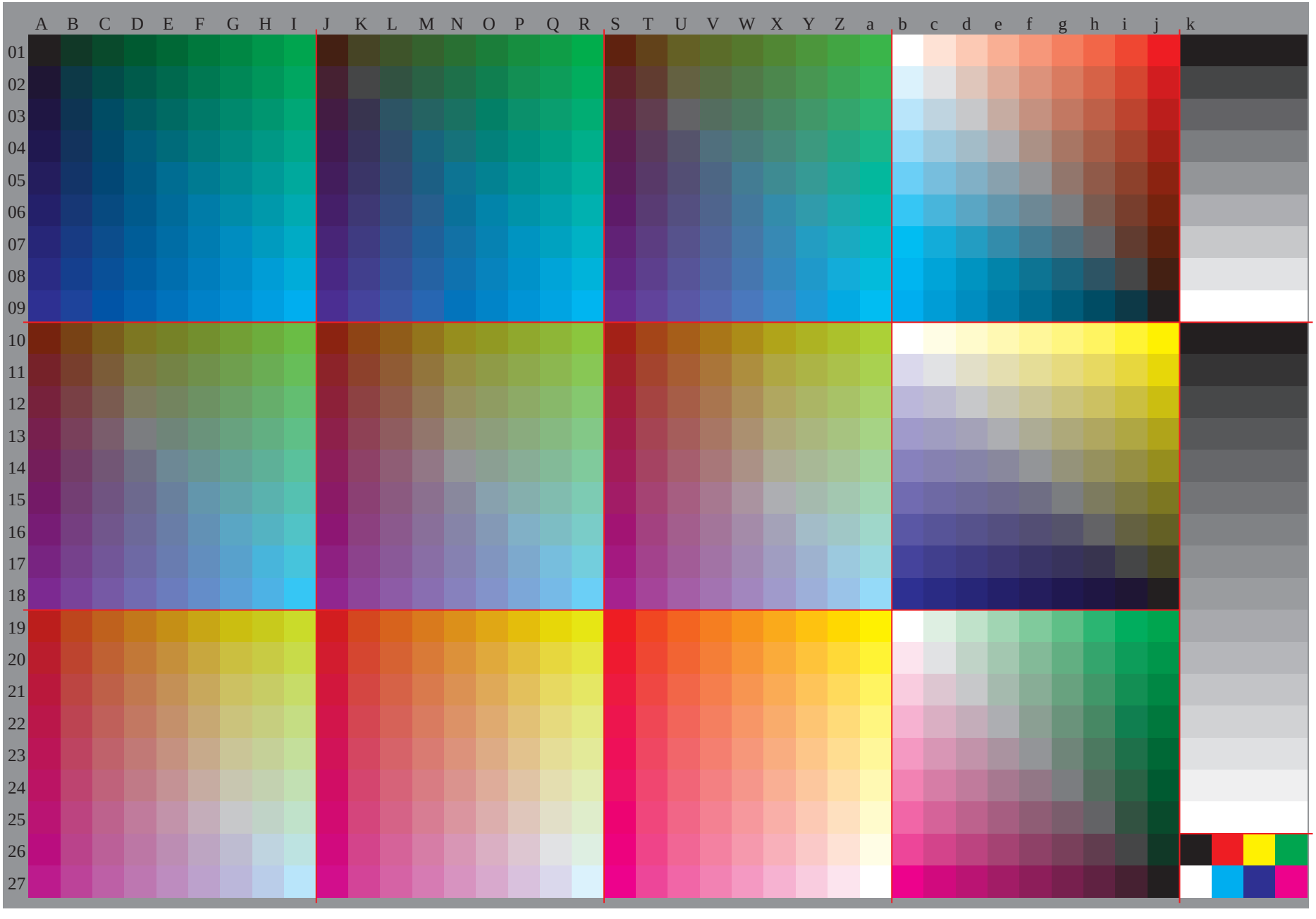
ORS20_95a; adapted (a) CIELAB data

	L=L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





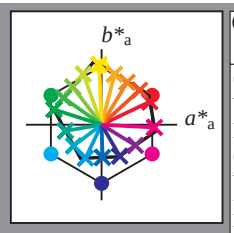
input: *000n / w / nnn0 / www set...*
output: *−>cmyn5* setcmykcolor*



Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
lab*tch* **and** ***lab*icu****
elementary hue text:
u* **= 16 hues** ***r00j, r25j, ..., b75r***
contrast reduction factor:
c_R **= 0.96**

ORS20_95a; adapted (a) CIELAB data

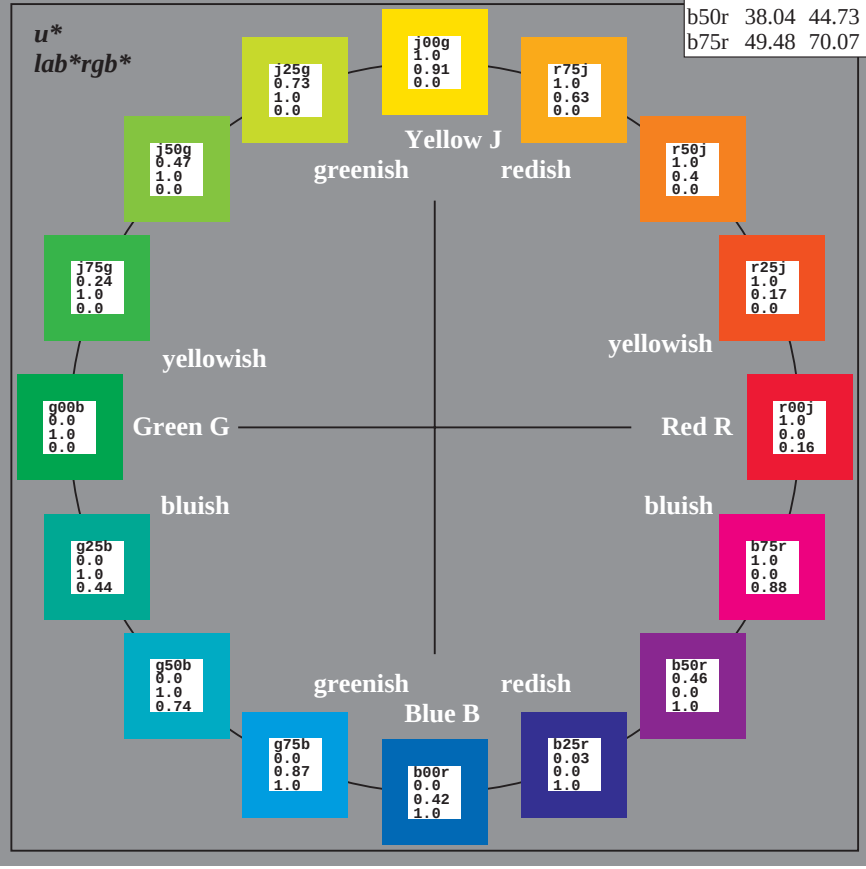
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

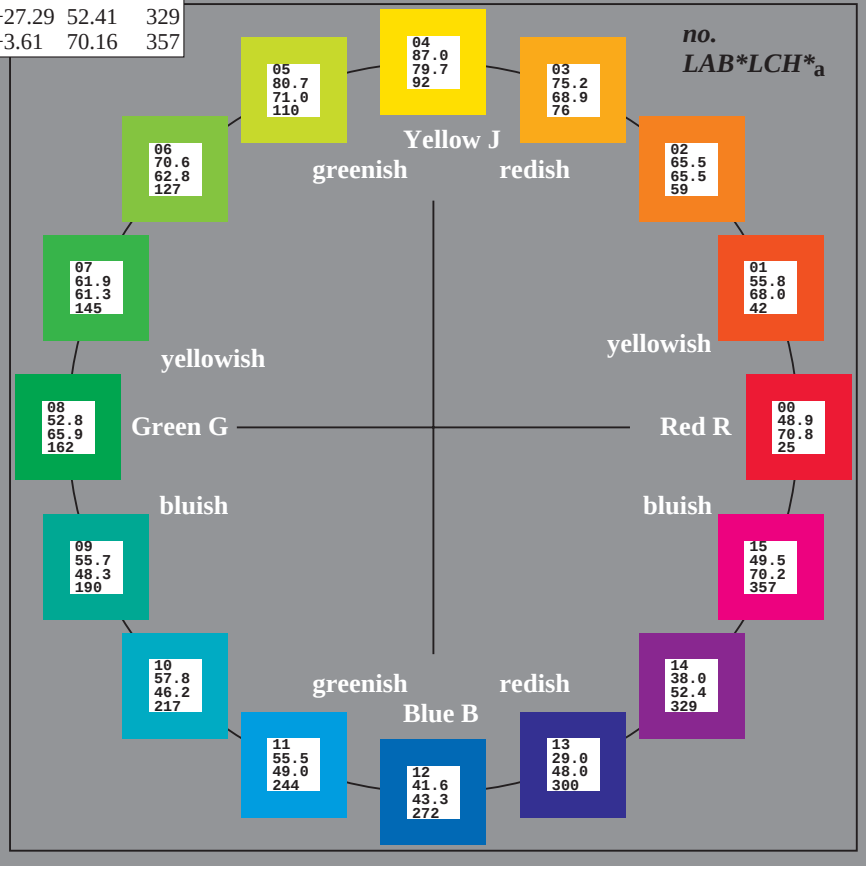


%Gamut
u*rel = 83
%Regularity
g*H,rel = 72
g*C,rel = 57

ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

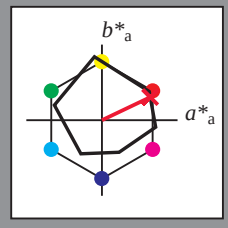




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 25/360 = 0.071**

u** = r00j
lab*rgb*

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u** = r00j
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

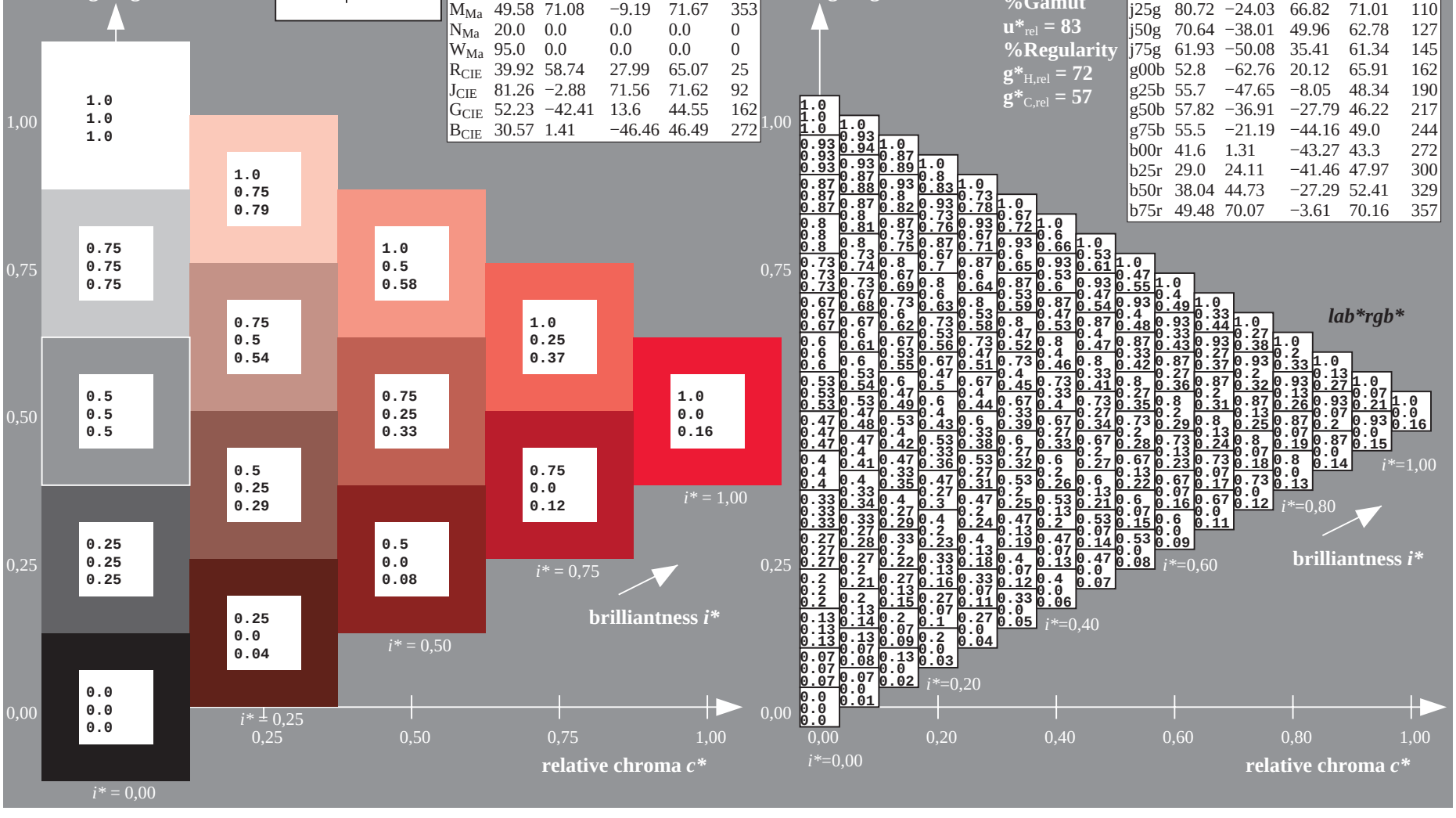
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 64 30**
***LAB*LCH**Ma*: 49 71 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} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

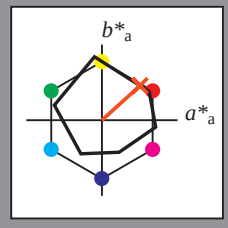
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 42/360 = 0.117**

u** = r25j
lab*rgb*

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u** = r25j
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

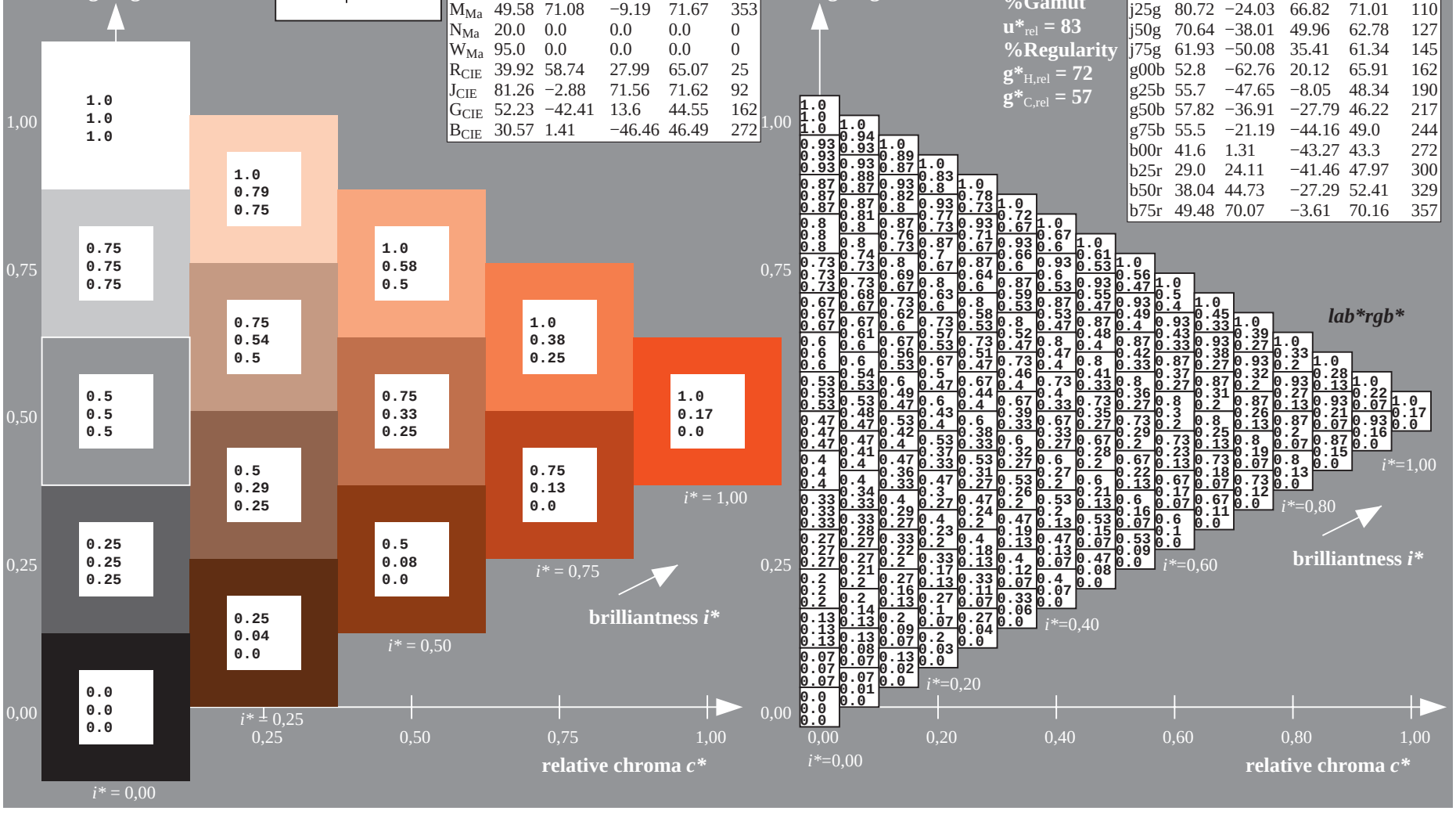
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 50 46**
***LAB*LCH**Ma*: 56 68 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} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

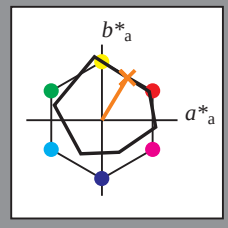
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

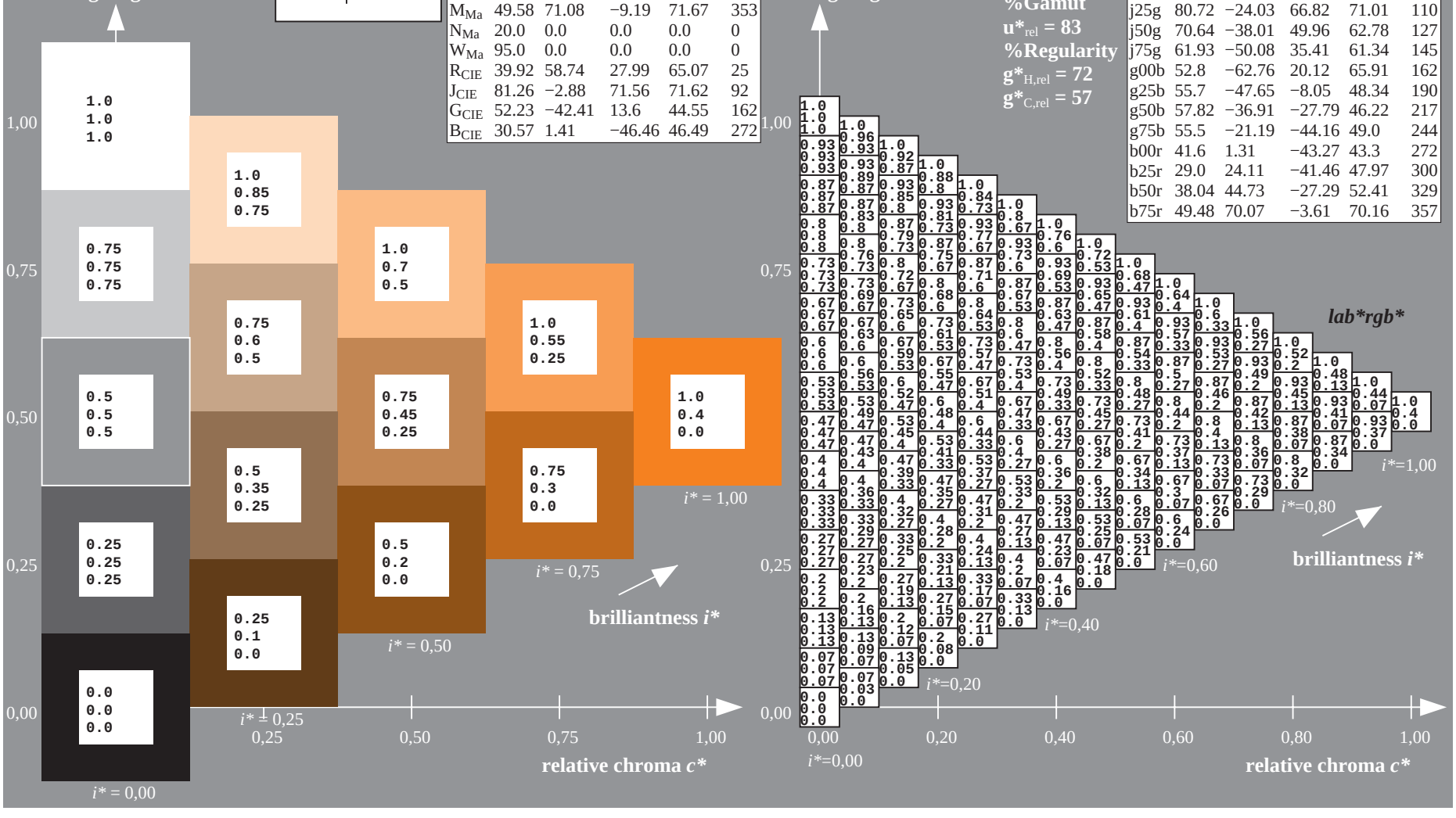
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 34 56**
***LAB*LCH**$_{Ma}$: 65 66 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} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

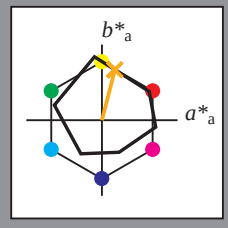
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

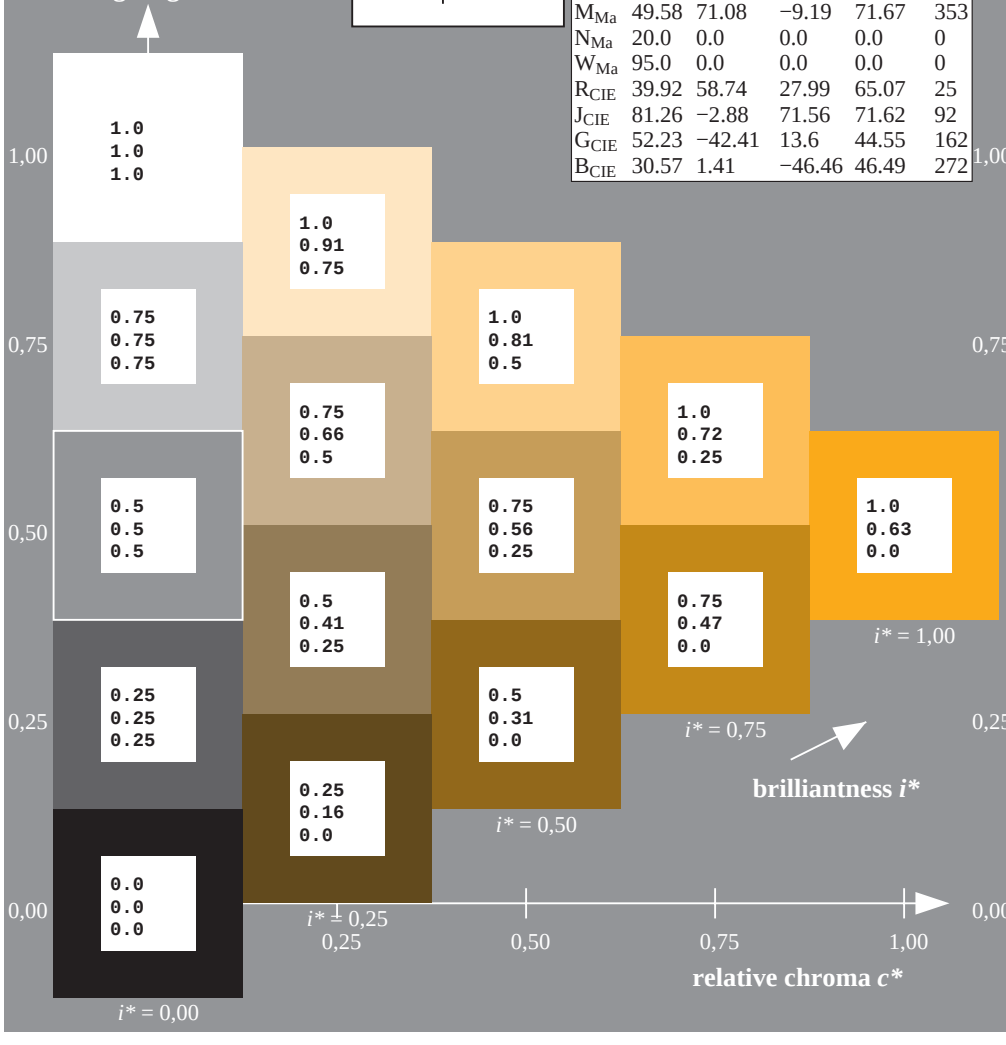
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

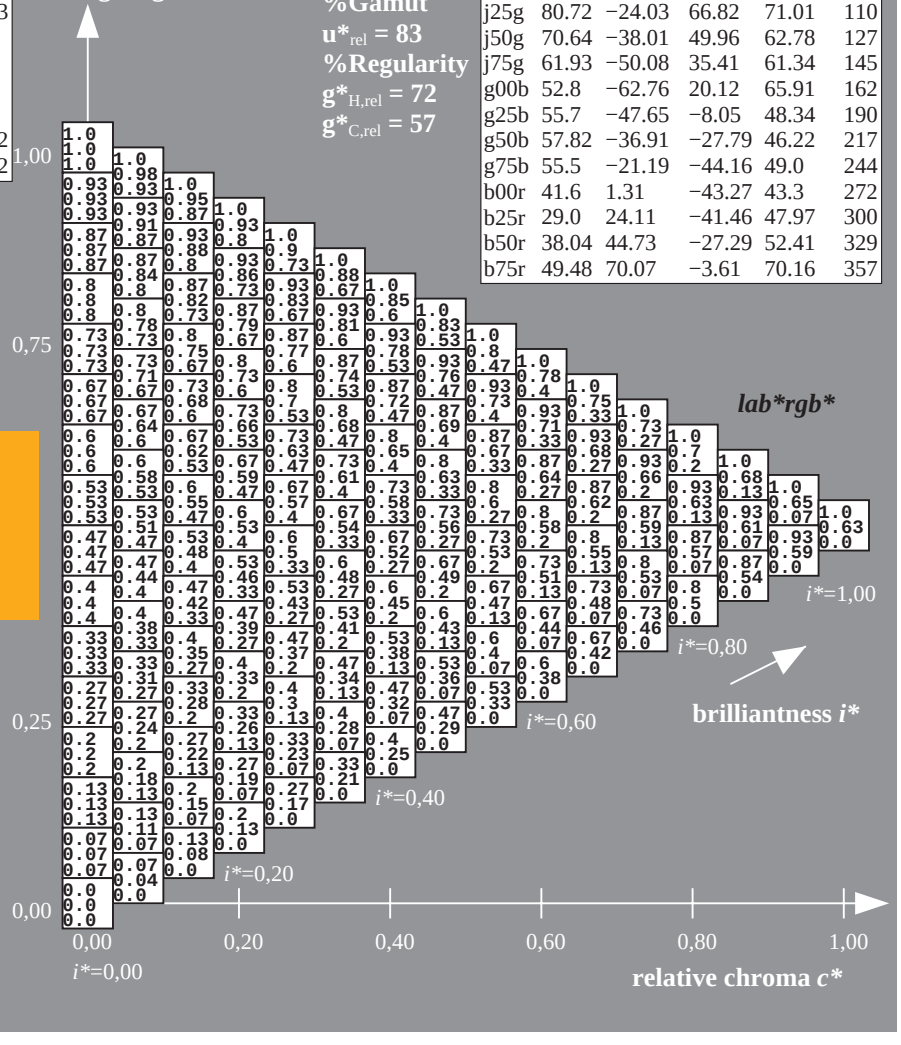
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 75 17 67
*LAB*LCH**$_{Ma}$: 75 69 76
*lab*rgb**$_{Ma}$: 1.0 0.75 0.0
*lab*olv**$_{Ma}$: 1.0 0.63 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

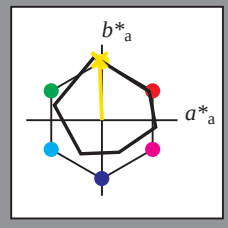




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 92/360 = 0.256**

data for any colour:
lab*tch* **and** ***lab*icu****
elementary hue text:
u** = j00g
contrast reduction factor:
c_R = 0.96
triangle lightness *t**

***u** = j00g*
lab*rgb*



ORS20_95a; adapted (a) CIELAB data

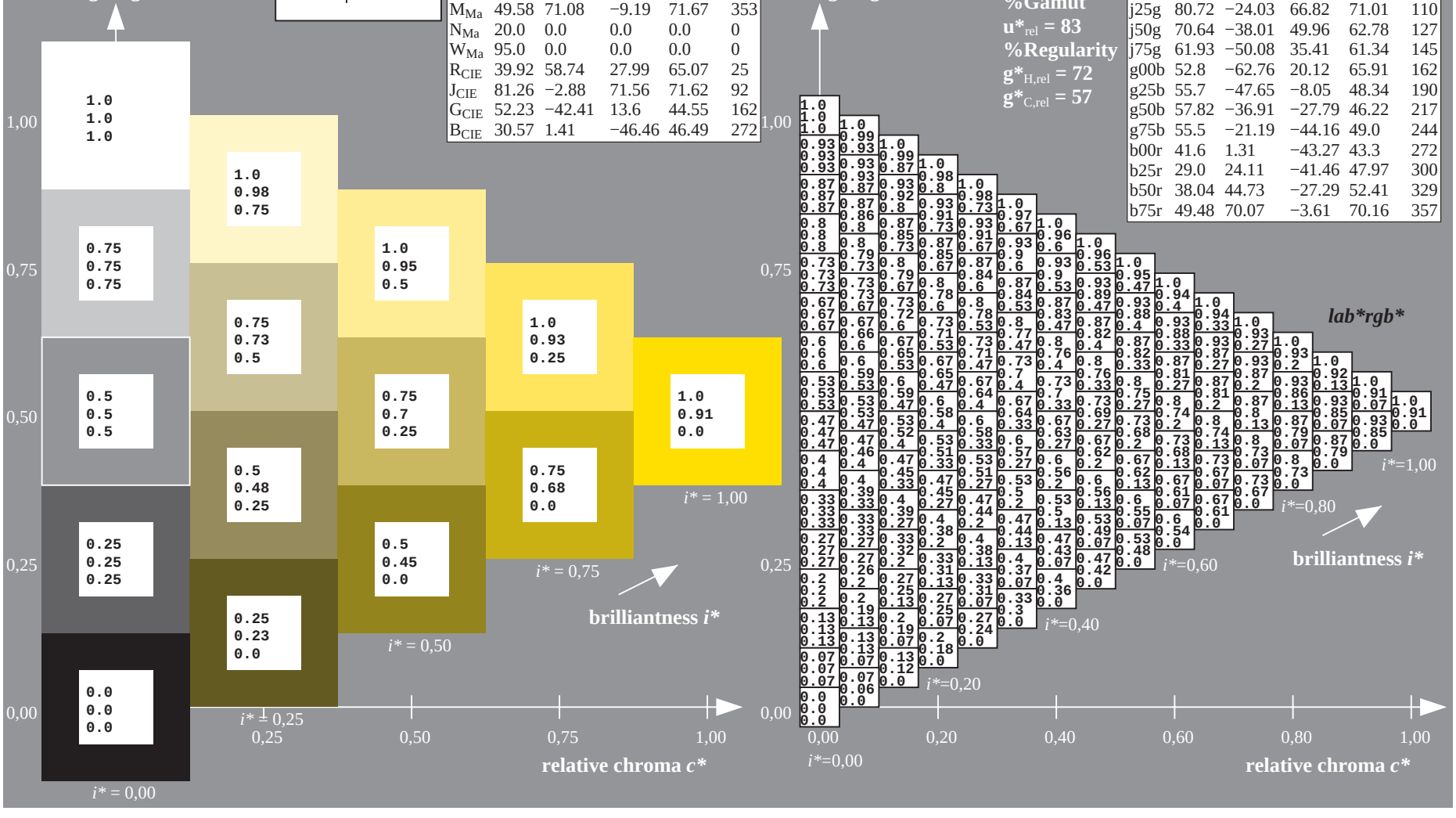
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 80**
***LAB*LCH**Ma*: 87 80 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} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

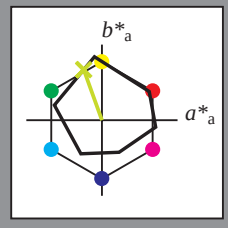
ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

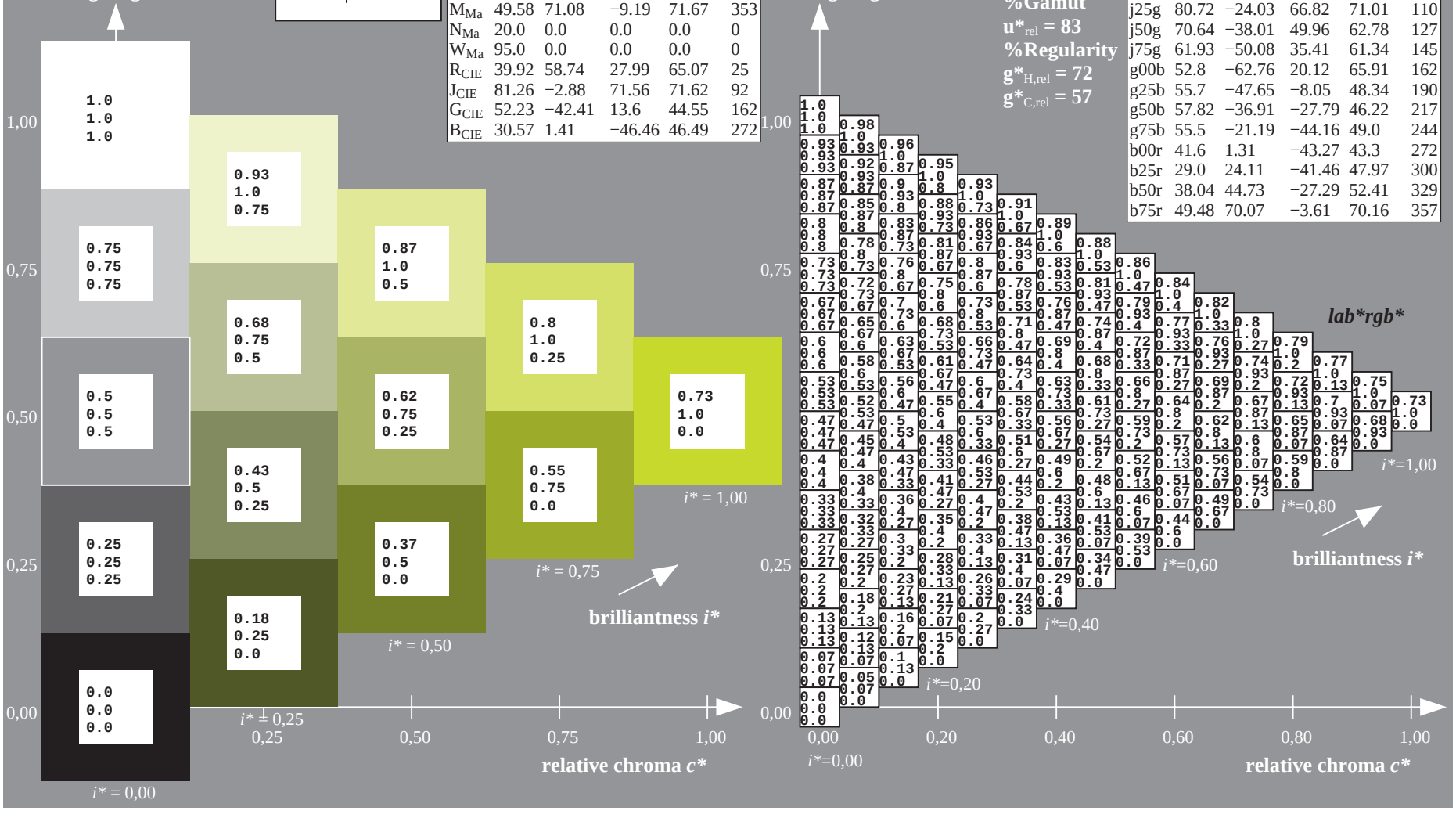
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 81 −23 67**
***LAB*LCH**Ma*: 81 71 110**
***lab*rgb**Ma*: 0.75 1.0 0.0**
***lab*olv**Ma*: 0.73 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = j25g
lab*rgb*

ORS20_95a; adapted (a) CIELAB data

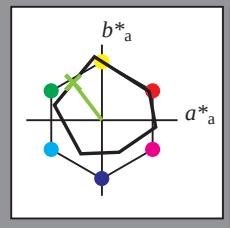
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

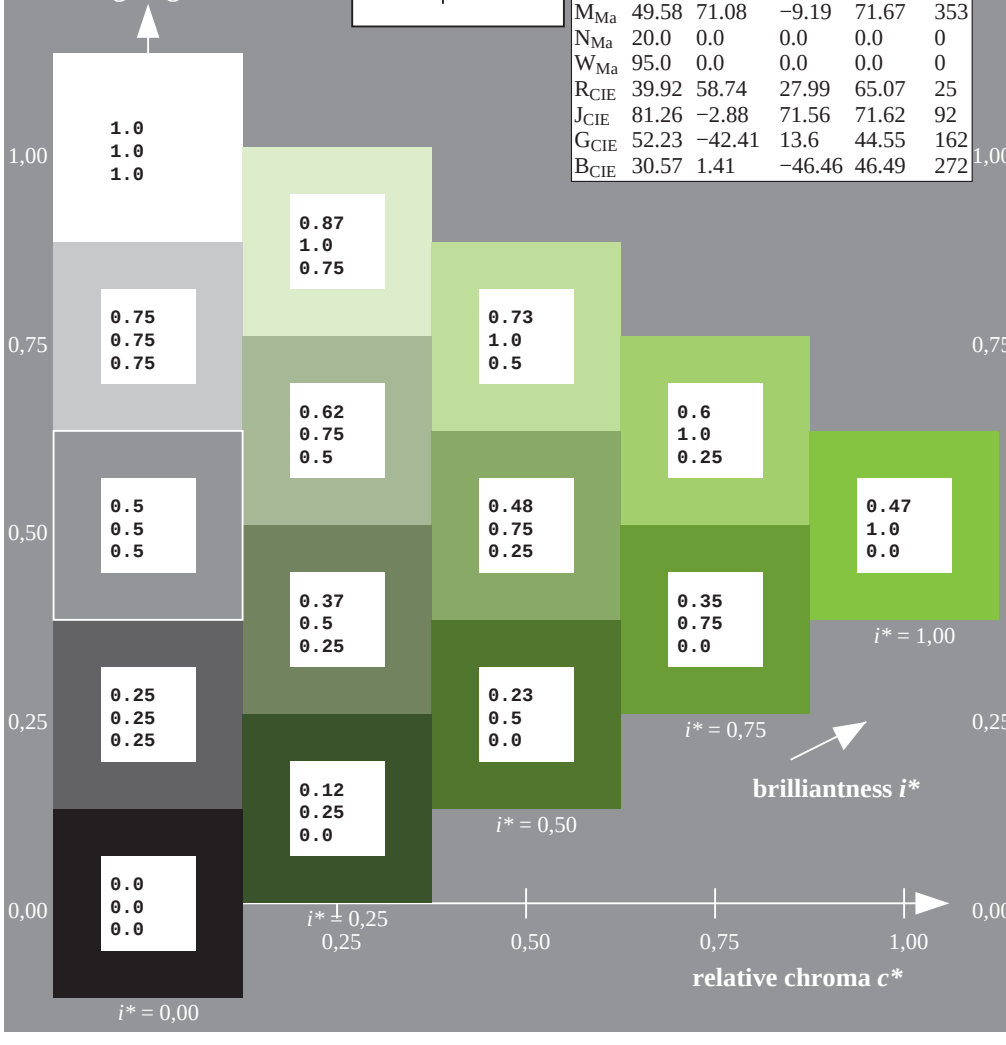
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

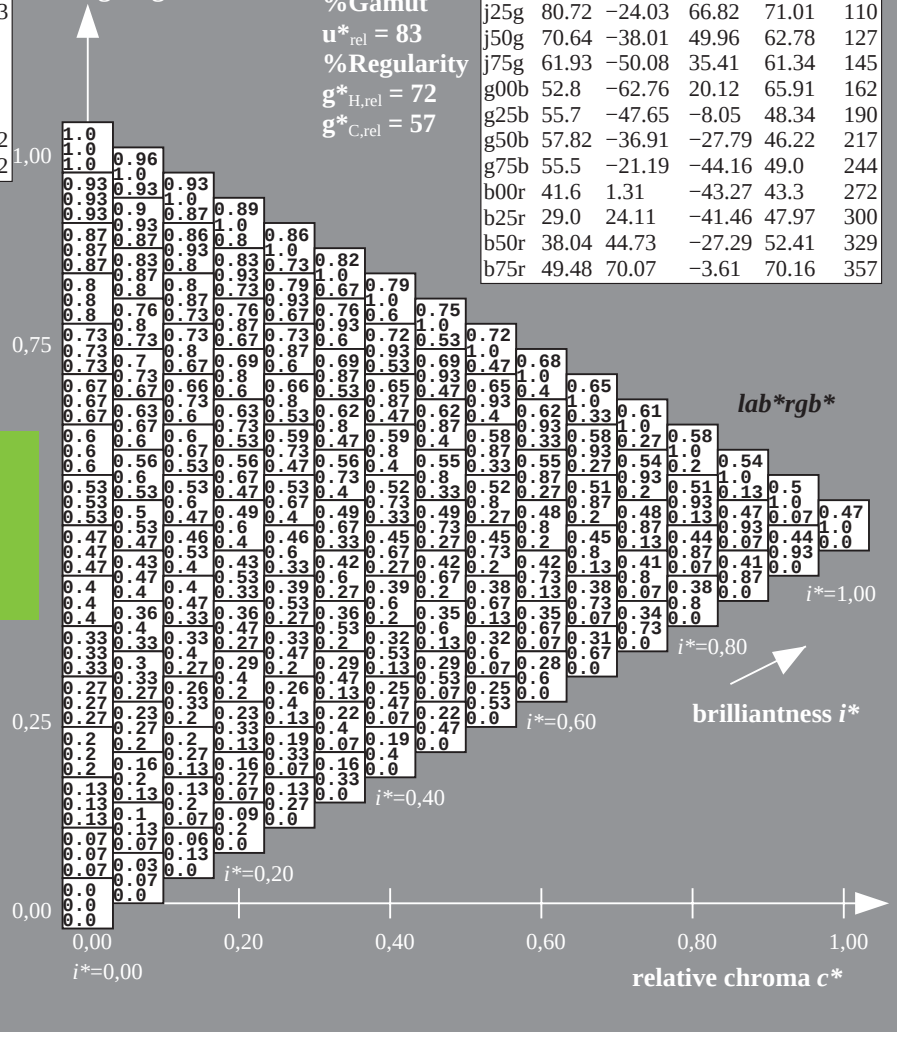
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 71 −37 50
*LAB*LCH**$_{Ma}$: 71 63 127
*lab*rgb**$_{Ma}$: 0.5 1.0 0.0
*lab*olv**$_{Ma}$: 0.47 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

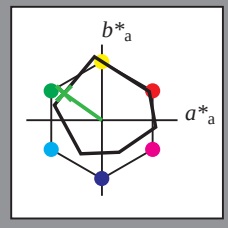
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

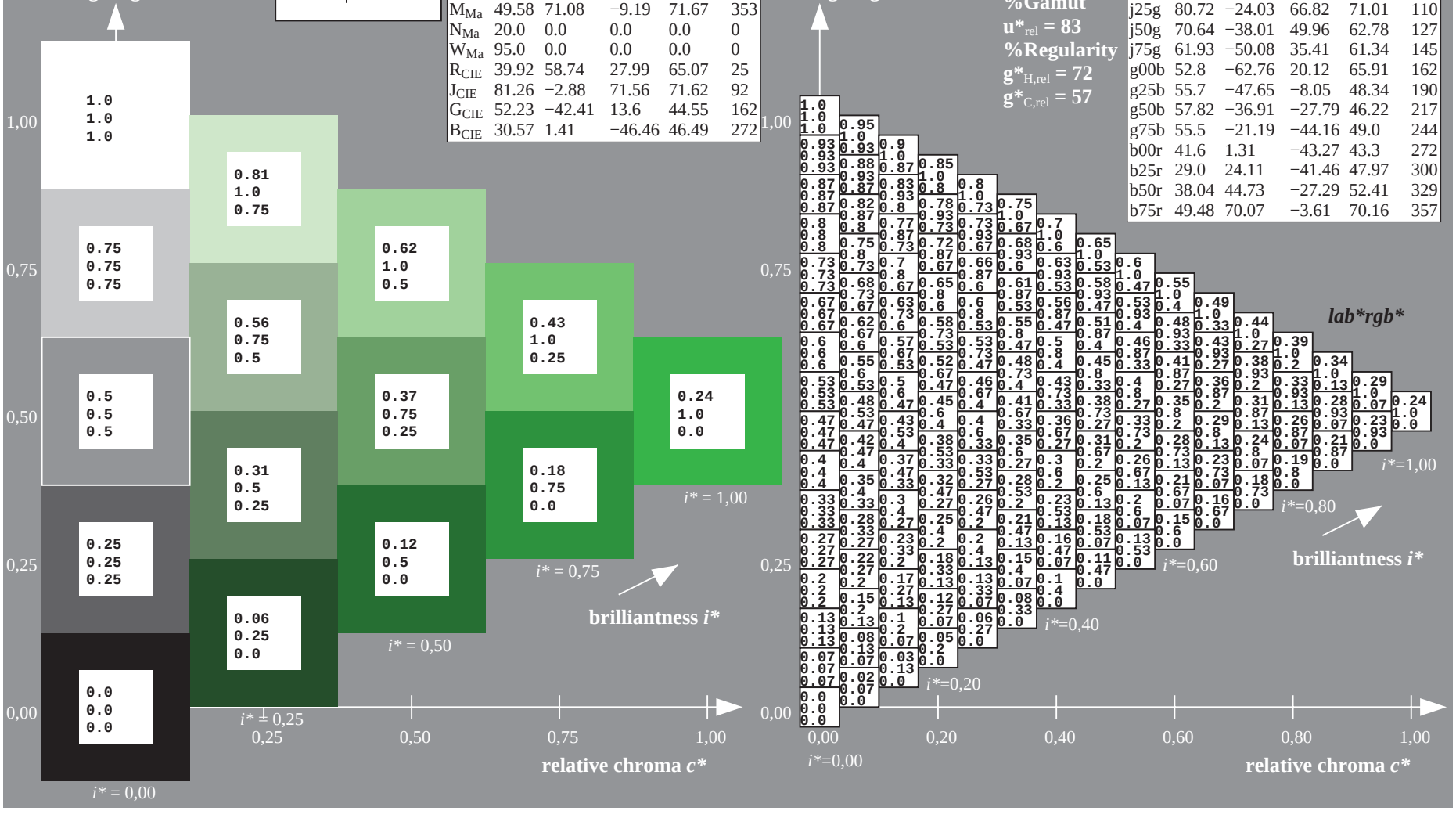
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 62 −49 35**
***LAB*LCH**Ma*: 62 61 145**
***lab*rgb**Ma*: 0.25 1.0 0.0**
***lab*olv**Ma*: 0.24 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = j75g
lab*rgb*

ORS20_95a; adapted (a) CIELAB data

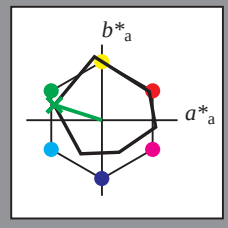
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

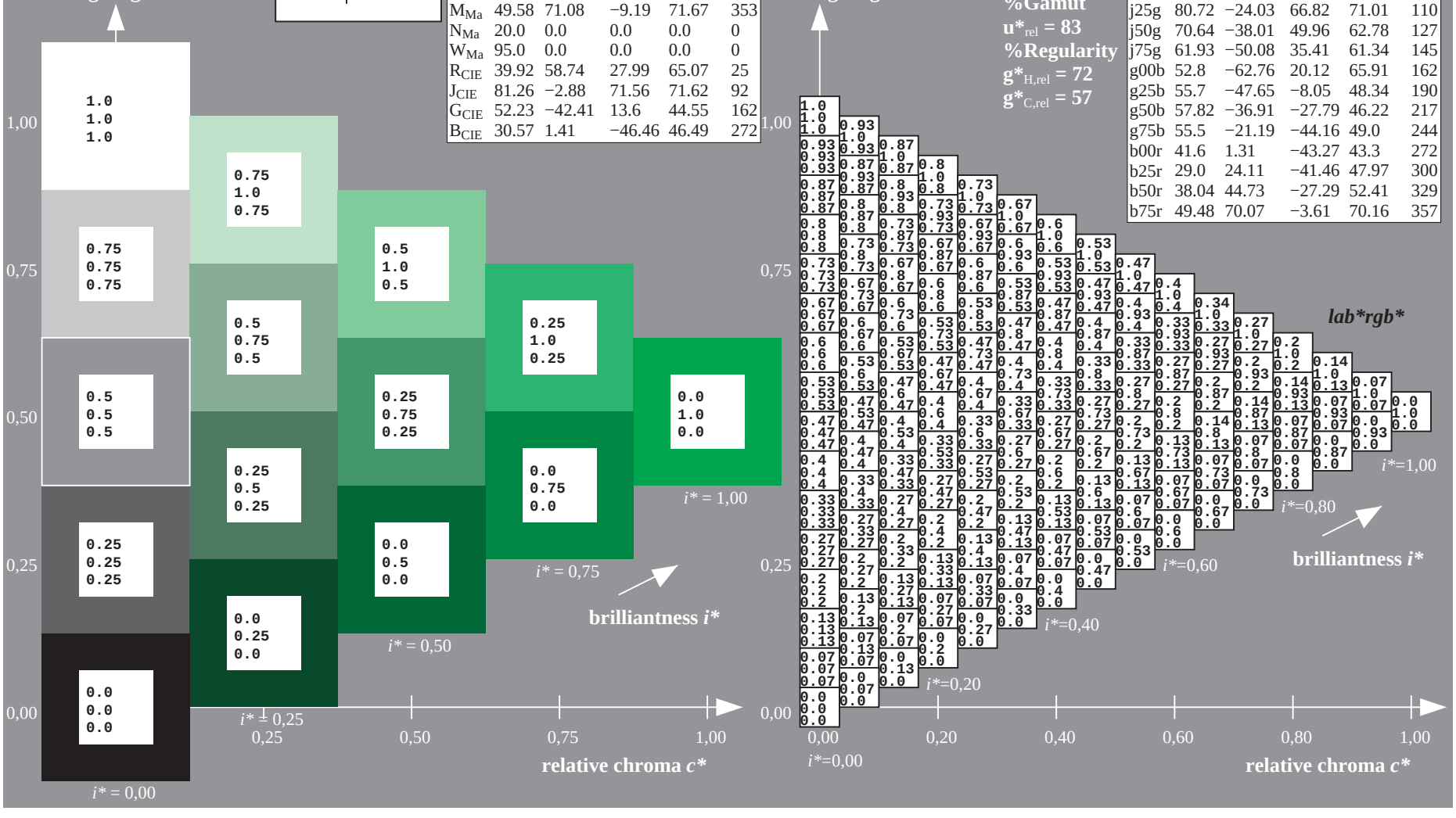
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 −62 20**
***LAB*LCH**Ma*: 53 66 162**
***lab*rgb**Ma*: 0.0 1.0 0.0**
***lab*olv**Ma*: 0.0 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

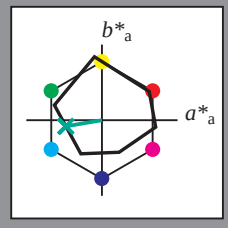
ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

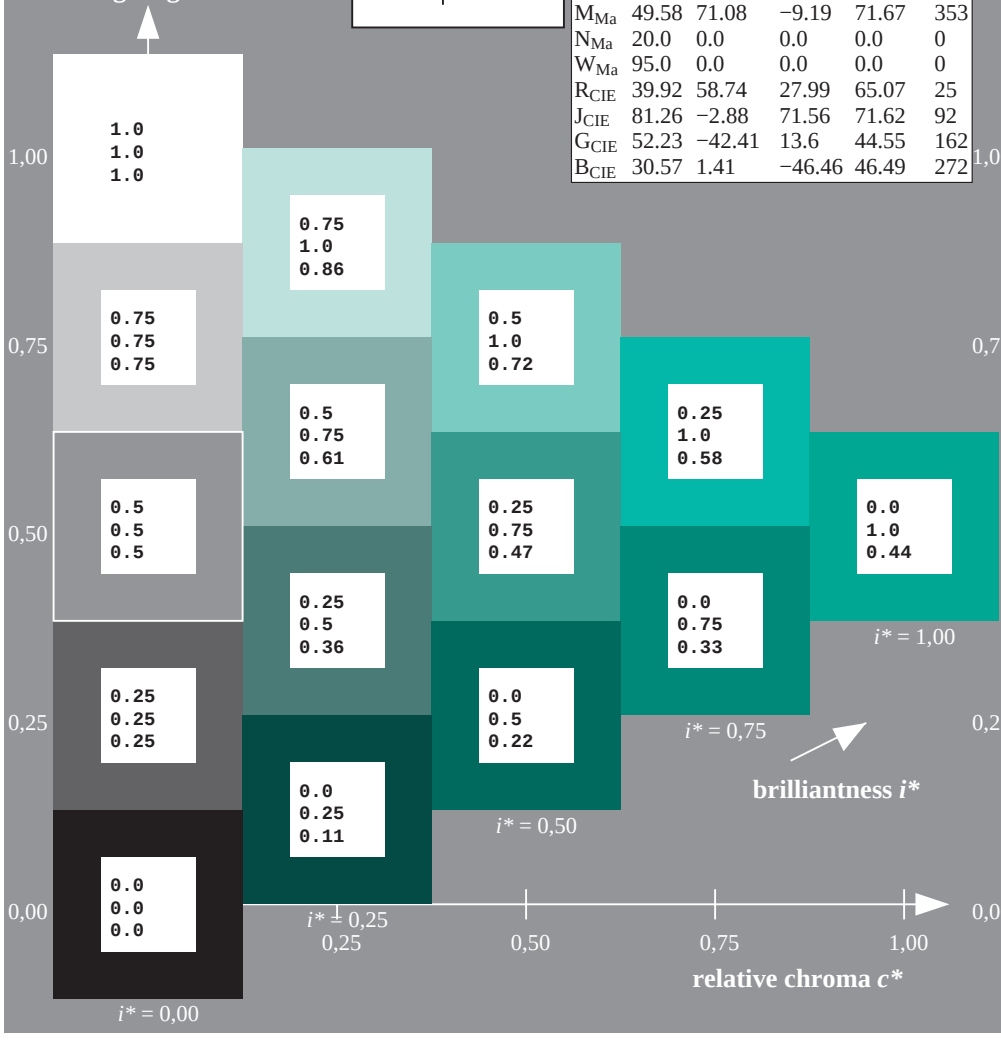
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 56 −47 −7**
***LAB*LCH**Ma*: 56 48 190**
***lab*rgb**Ma*: 0.0 1.0 0.5**
***lab*olv**Ma*: 0.0 1.0 0.44**
triangle lightness *t**

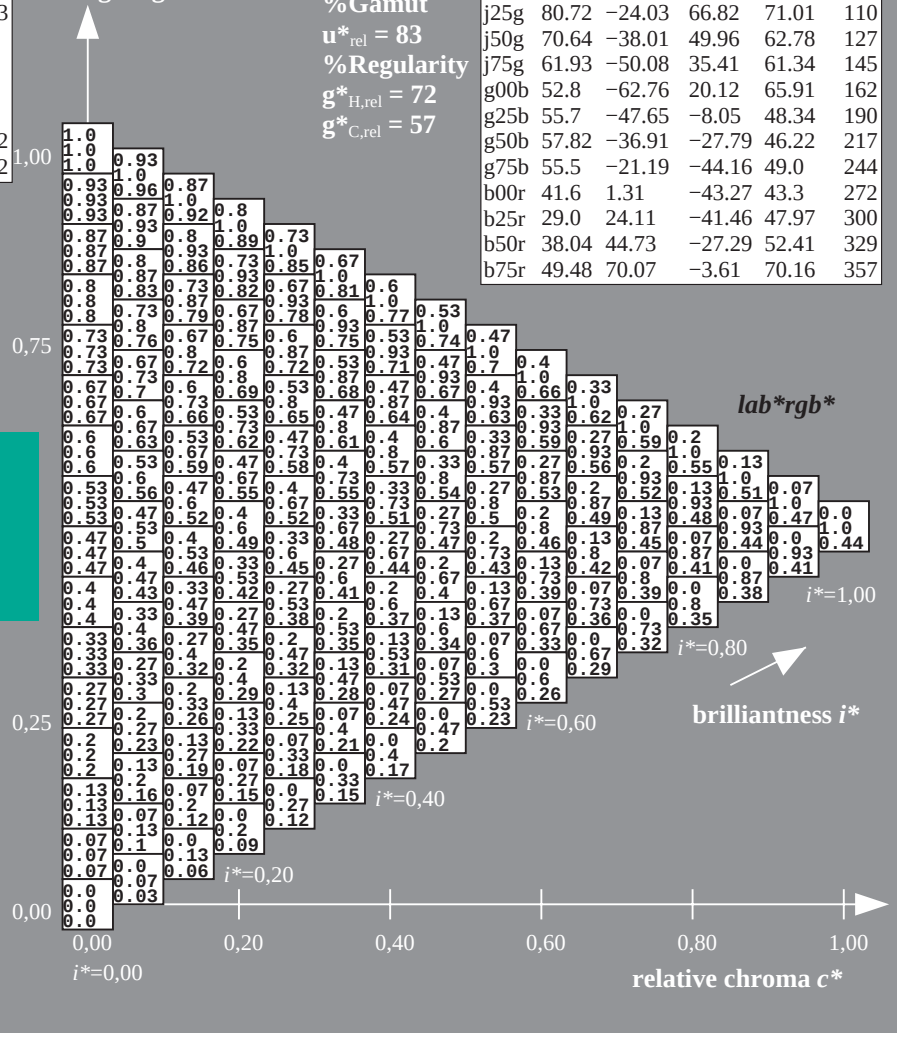
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = g25b
lab*rgb*

ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

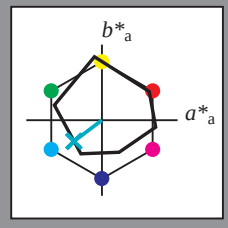




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 217/360 = 0.603**

u** = g50b
lab*rgb*

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u** = g50b
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

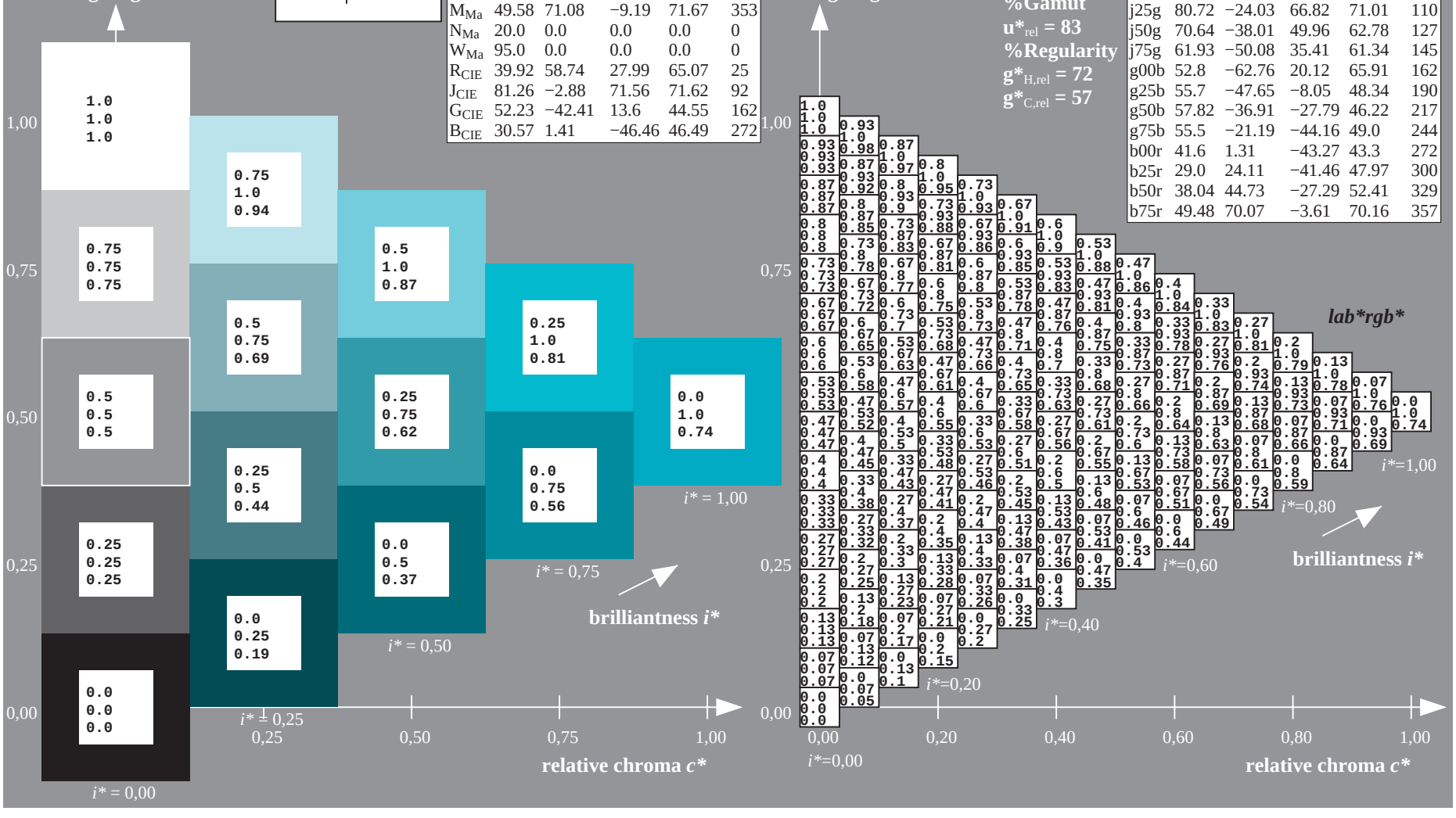
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 −36 −27**
***LAB*LCH**Ma*: 58 46 217**
***lab*rgb**Ma*: 0.0 1.0 1.0**
***lab*olv**Ma*: 0.0 1.0 0.74**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

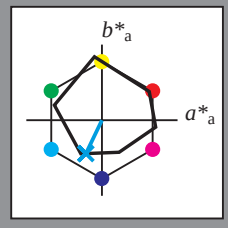
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

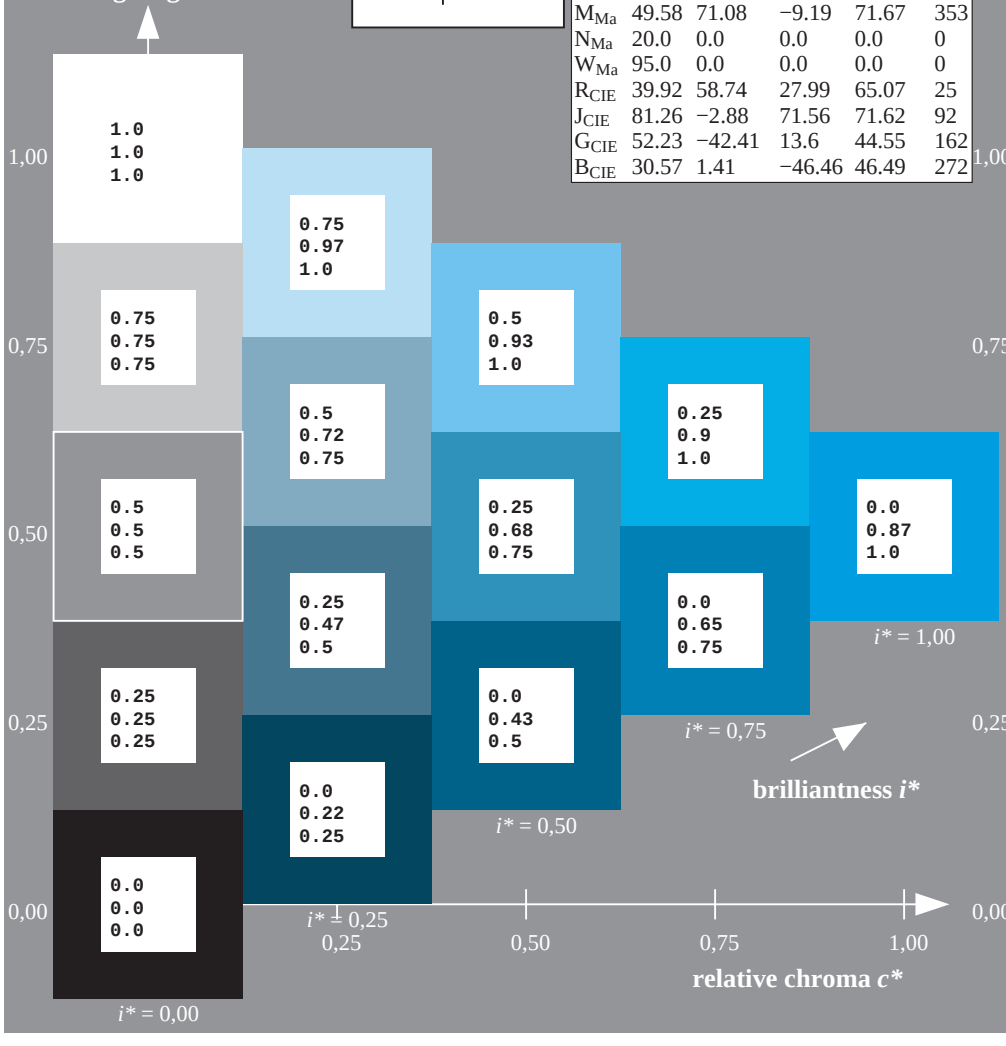
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

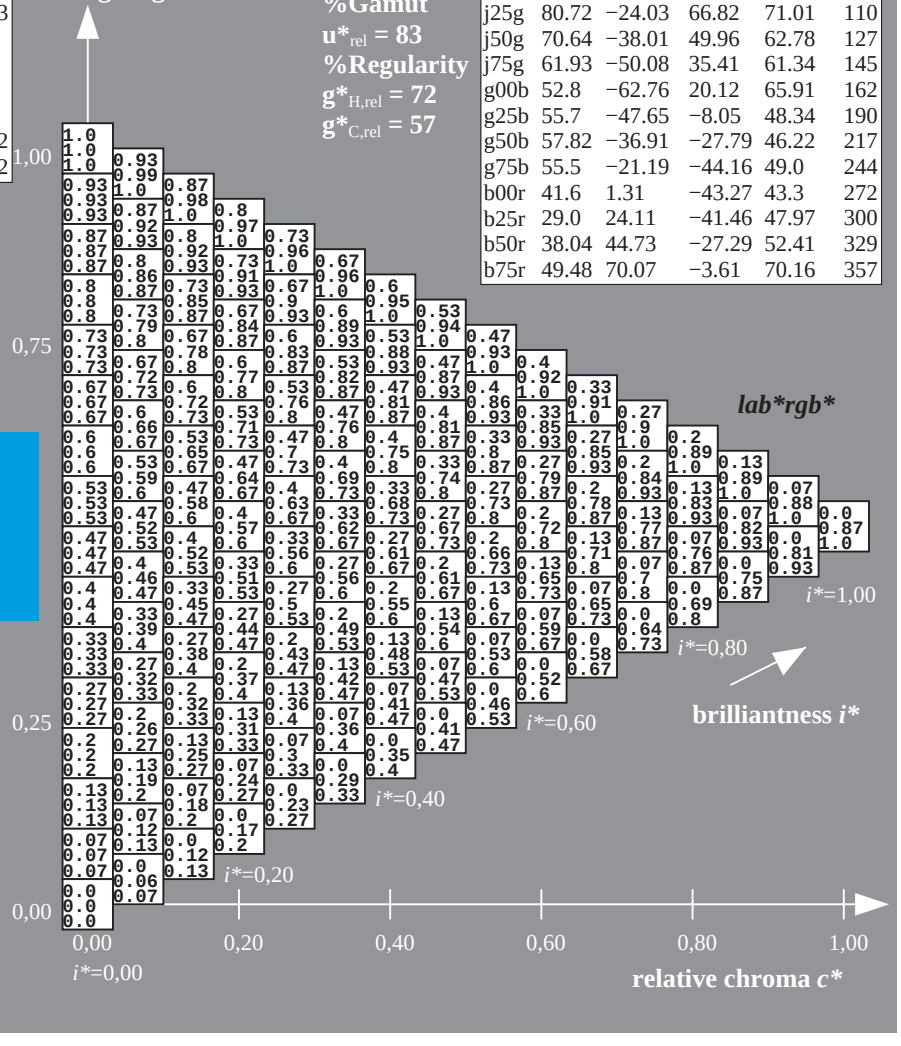
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −20 −43
*LAB*LCH**$_{Ma}$: 55 49 244
*lab*rgb**$_{Ma}$: 0.0 0.5 1.0
*lab*olv**$_{Ma}$: 0.0 0.87 1.0
triangle lightness *t**

%Gamut
$u^*_{rel} = 83$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

ORS20_95a; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	49.48	70.07	−3.61	70.16	357

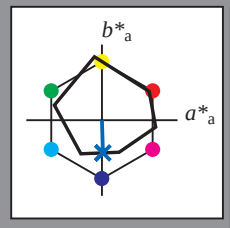




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 272/360 = 0.755**

u* = b00r
lab*rgb*

data for any colour:
lab*tch **and** ***lab*icu****
elementary hue text:
u* = b00r
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

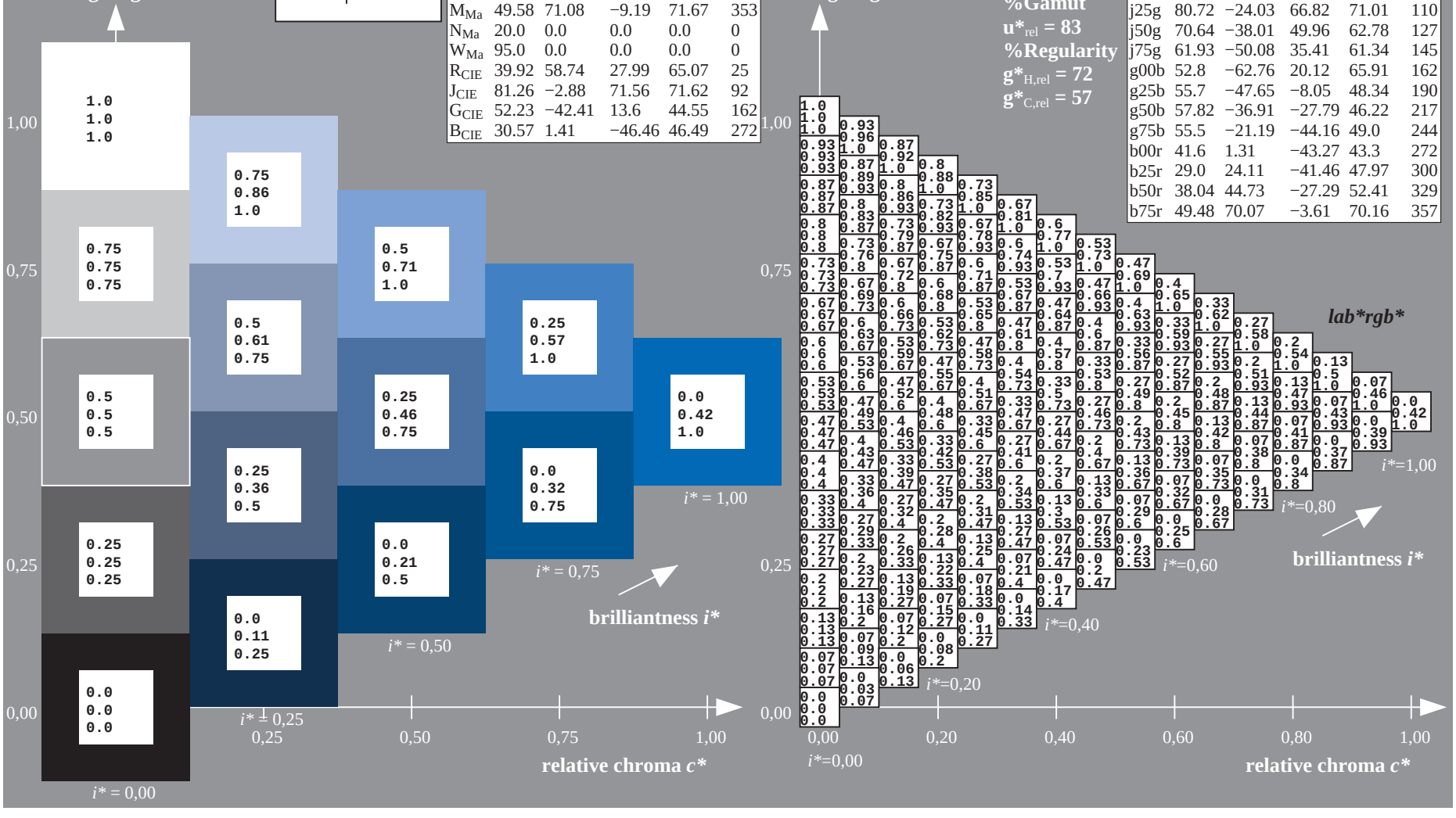
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 −42
LAB*LCH*$_{Ma}$: 42 43 272
lab*rgb*$_{Ma}$: 0.0 0.0 1.0
lab*olv*$_{Ma}$: 0.0 0.42 1.0
triangle lightness *t*

%Gamut
u*$_{rel}$ = 83
%Regularity
g*$_{H,rel}$ = 72
g*$_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

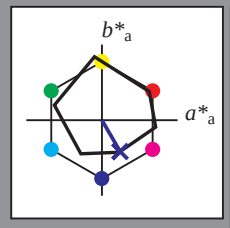
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 300/360 = 0.834**

u** = b25r
lab*rgb*

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u** = b25r
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

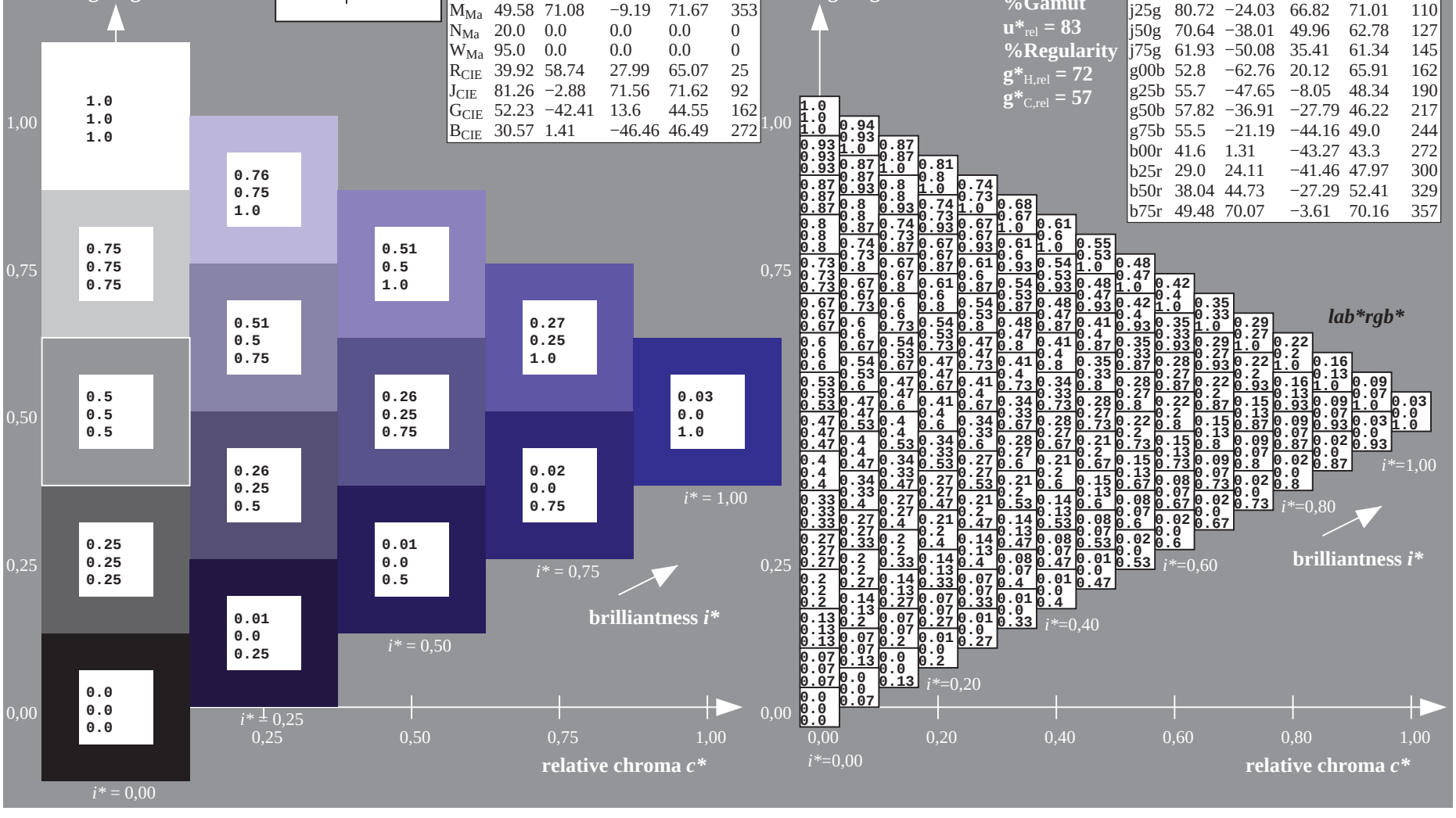
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 24 −40**
***LAB*LCH**Ma*: 29 48 300**
***lab*rgb**Ma*: 0.5 0.0 1.0**
***lab*olv**Ma*: 0.03 0.0 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

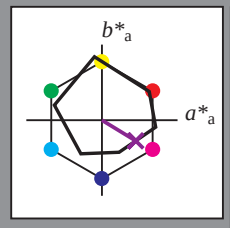
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

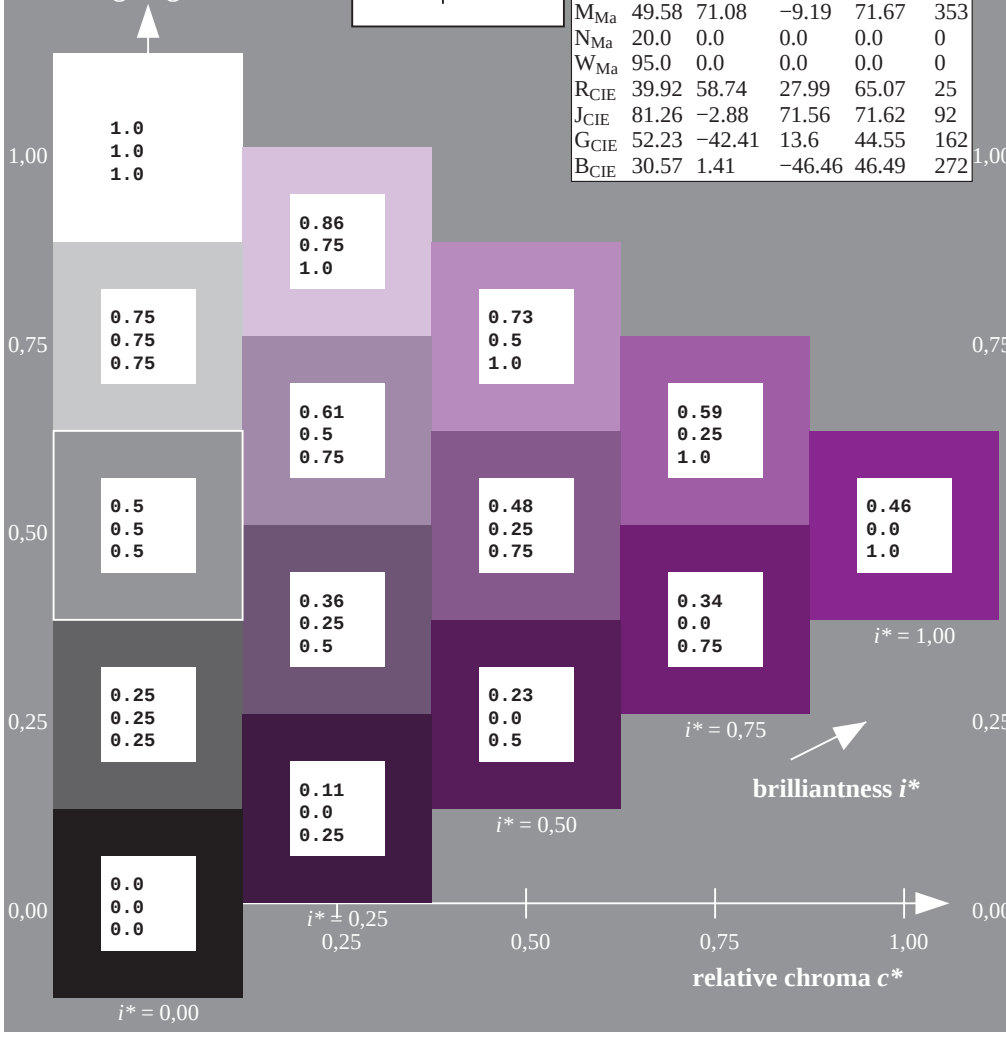
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

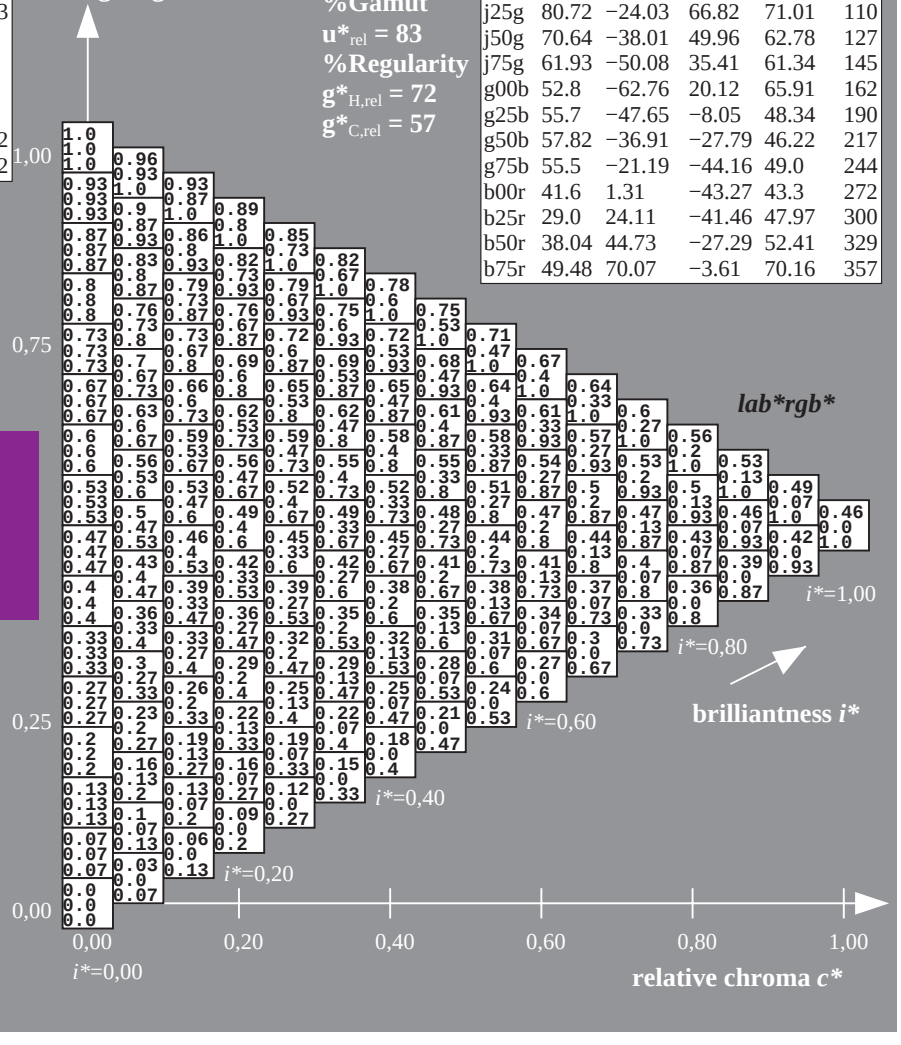
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 38 45 −26**
***LAB*LCH**Ma*: 38 52 329**
***lab*rgb**Ma*: 1.0 0.0 1.0**
***lab*olv**Ma*: 0.46 0.0 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

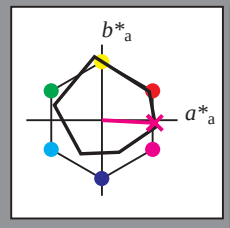




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 357/360 = 0.992**

u** = b75r
lab*rgb*

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u** = b75r
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

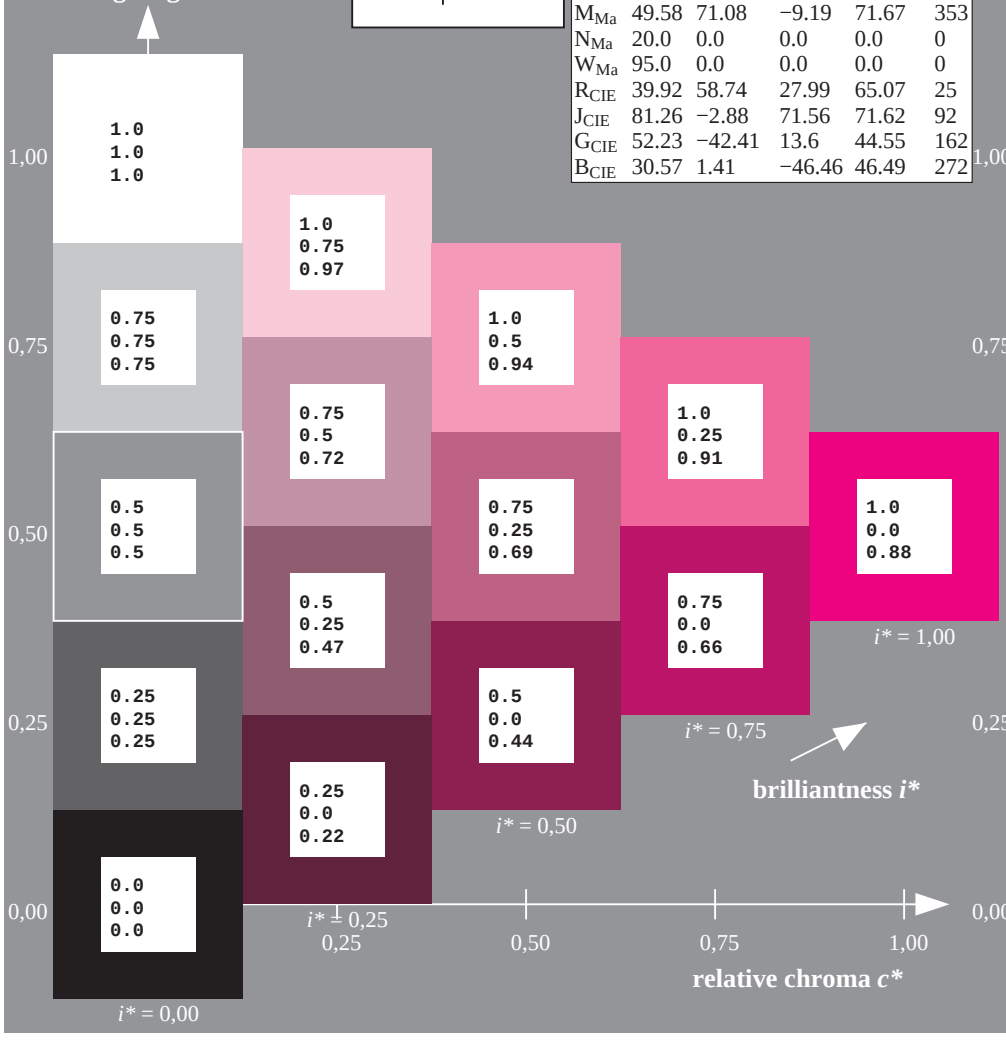
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

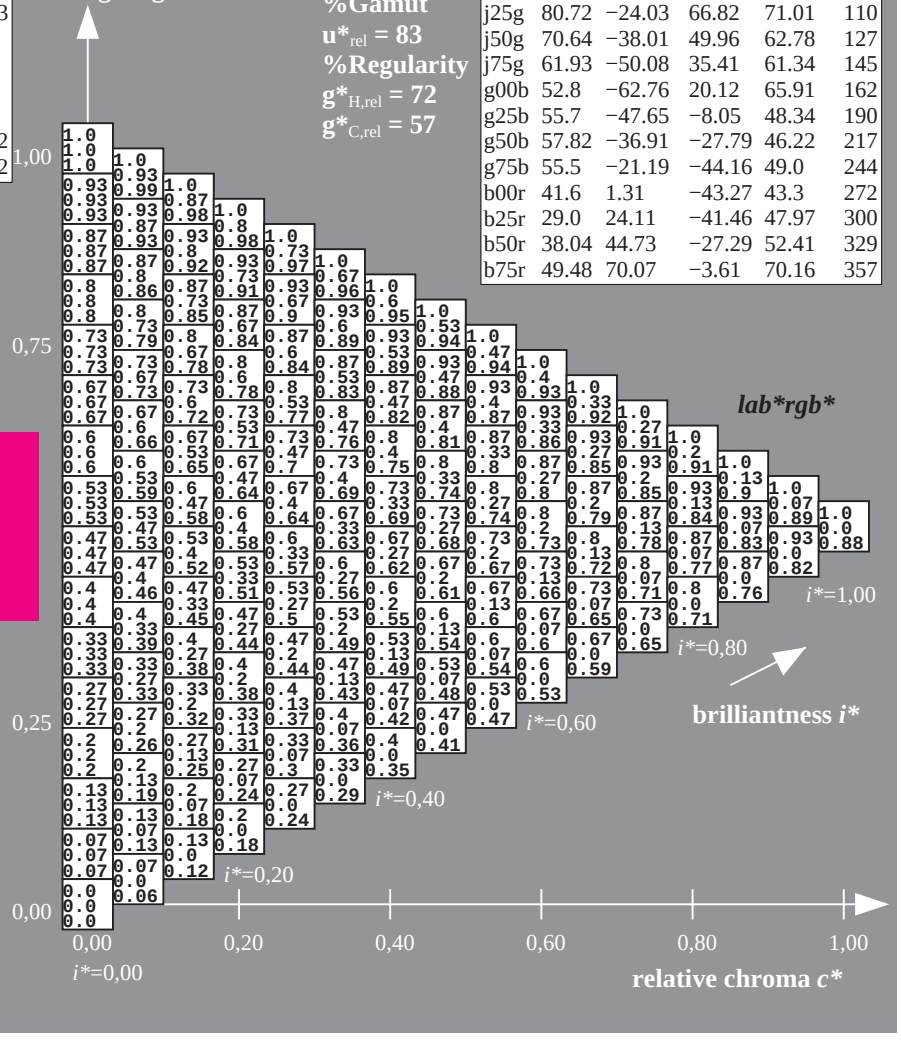
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 49 70 −3**
***LAB*LCH**Ma*: 49 70 357**
***lab*rgb**Ma*: 1.0 0.0 0.5**
***lab*olv**Ma*: 1.0 0.0 0.88**
triangle lightness *t**

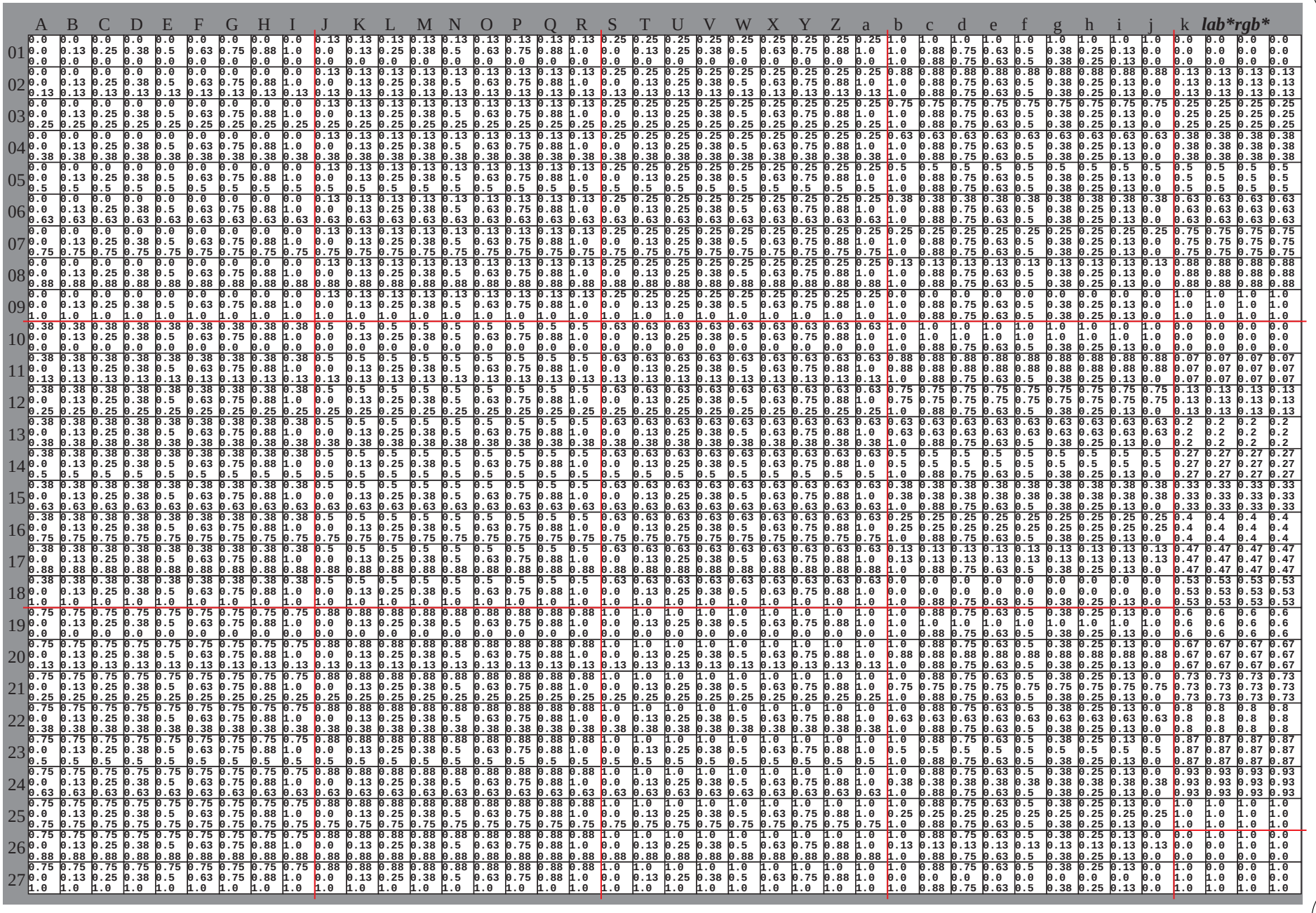
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



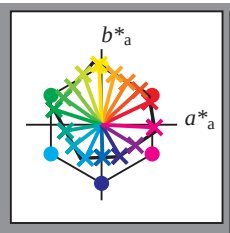




Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
lab*tch* **and** ***lab*icu****
elementary hue text:
u* **= 16 hues** ***r00j, r25j, ..., b75r***
contrast reduction factor:
c_R = 0.96

ORS20_95a; adapted (a) CIELAB data

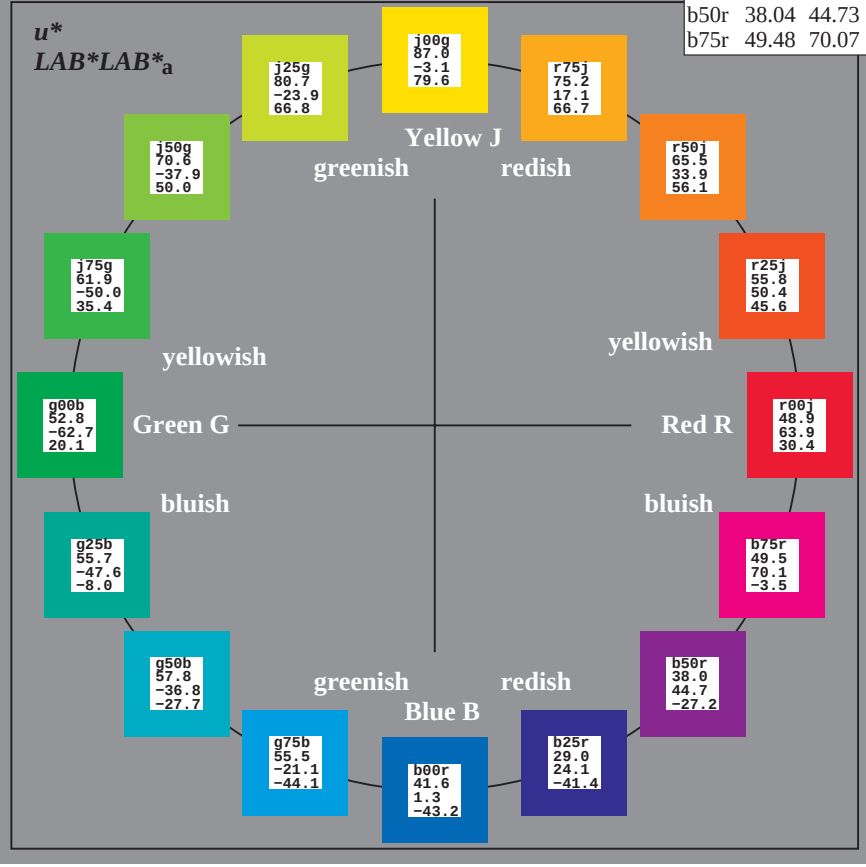
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

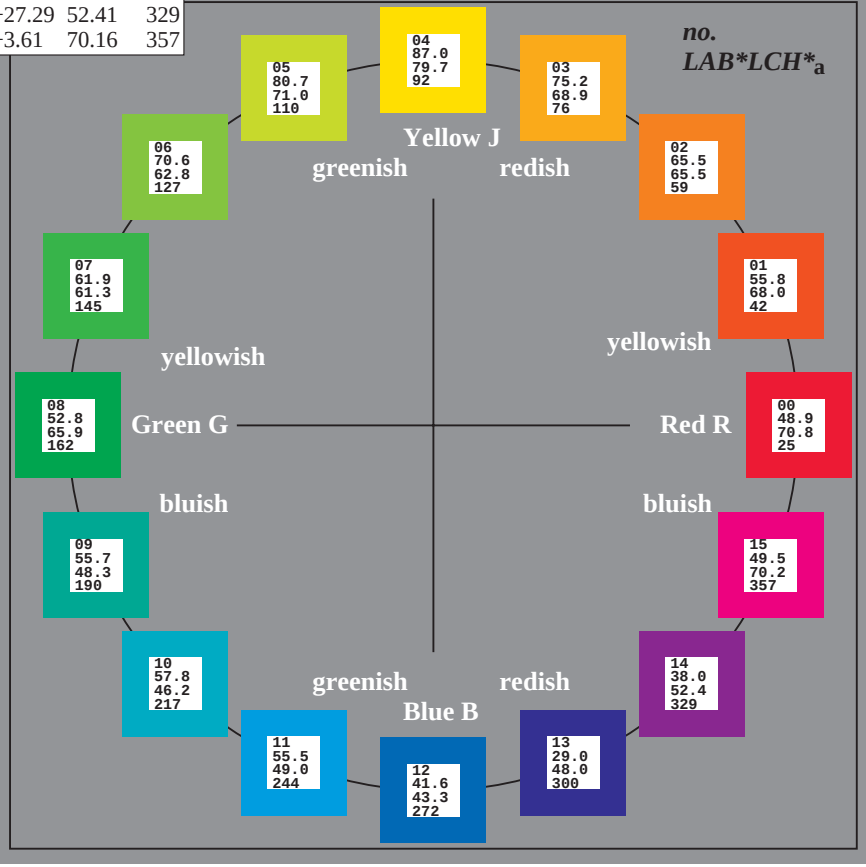


%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

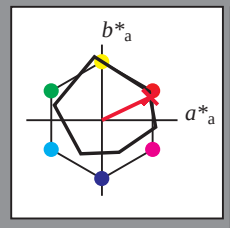




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 25/360 = 0.071**

u** = r00j
LAB*LAB*a

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u** = r00j
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

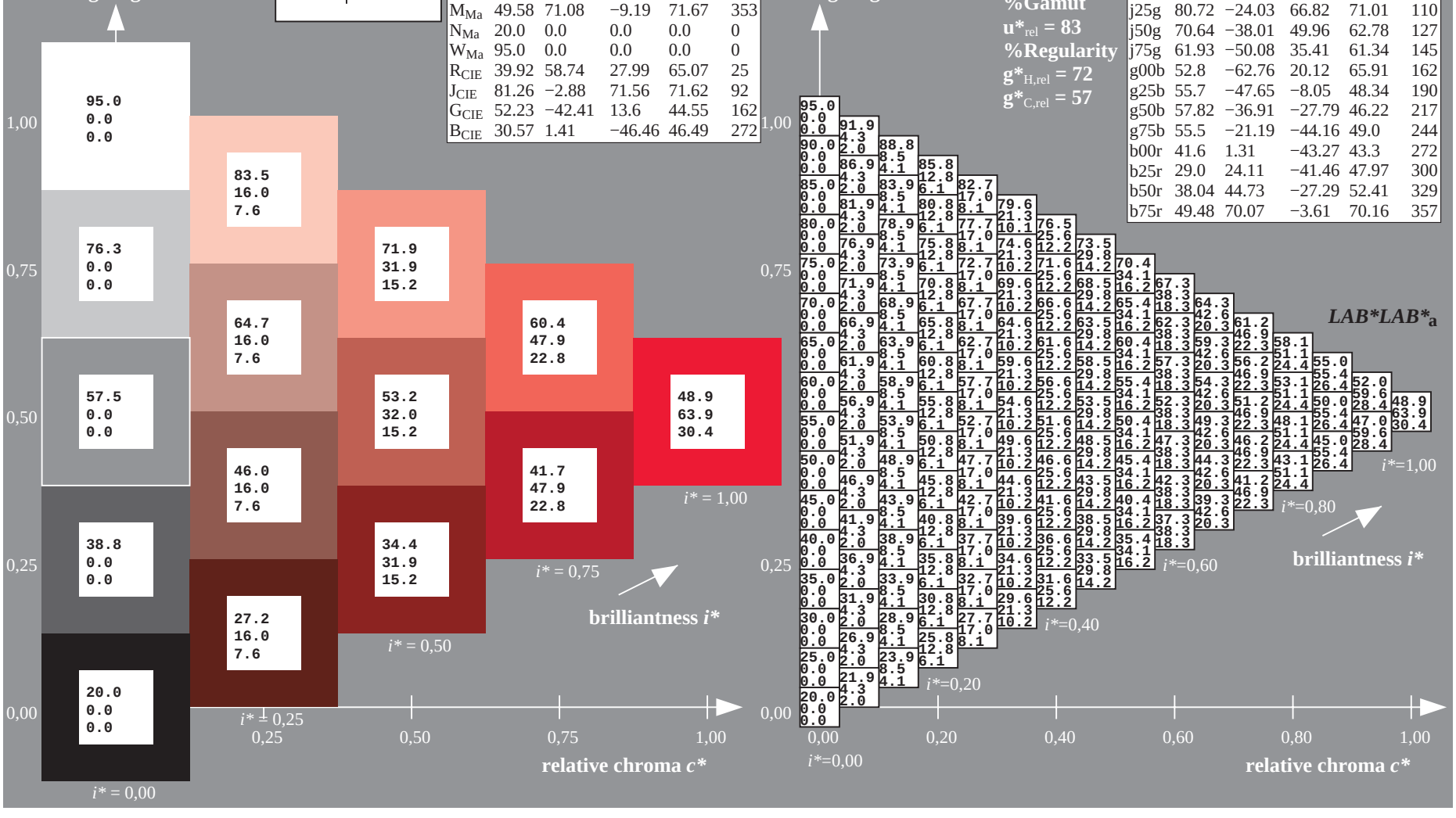
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 64 30**
***LAB*LCH**Ma: 49 71 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} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

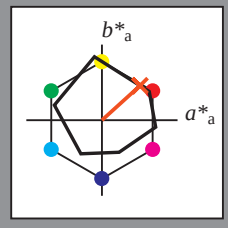
ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

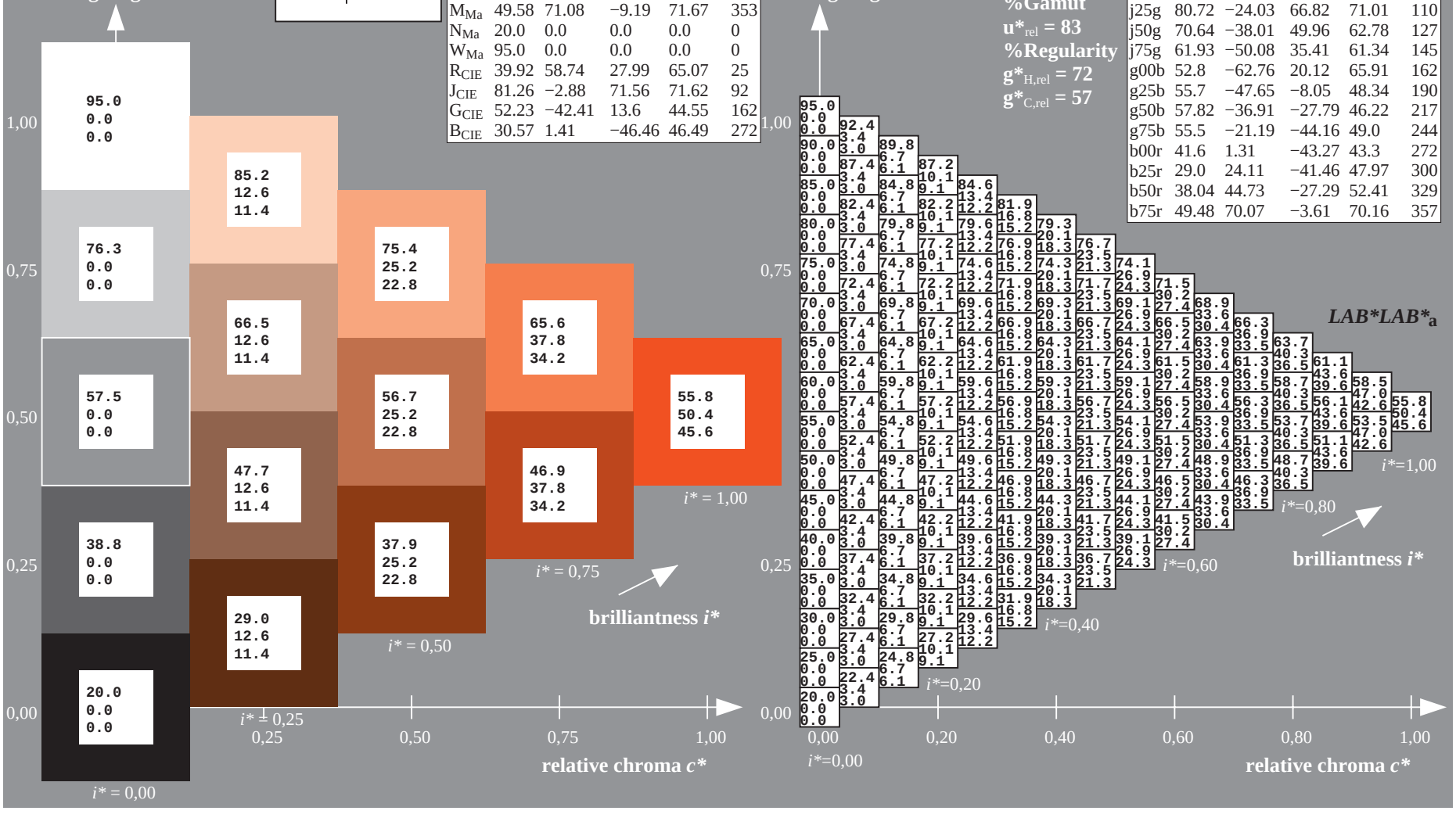
Data for maximum colour (Ma):
***LAB*LAB**Ma: 56 50 46**
***LAB*LCH**Ma: 56 68 42**
***lab*rgb**Ma: 1.0 0.25 0.0**
***lab*olv**Ma: 1.0 0.17 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = r25j
LAB*LAB**a

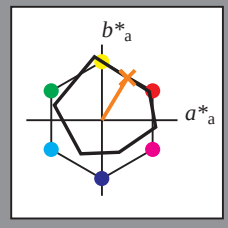
ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

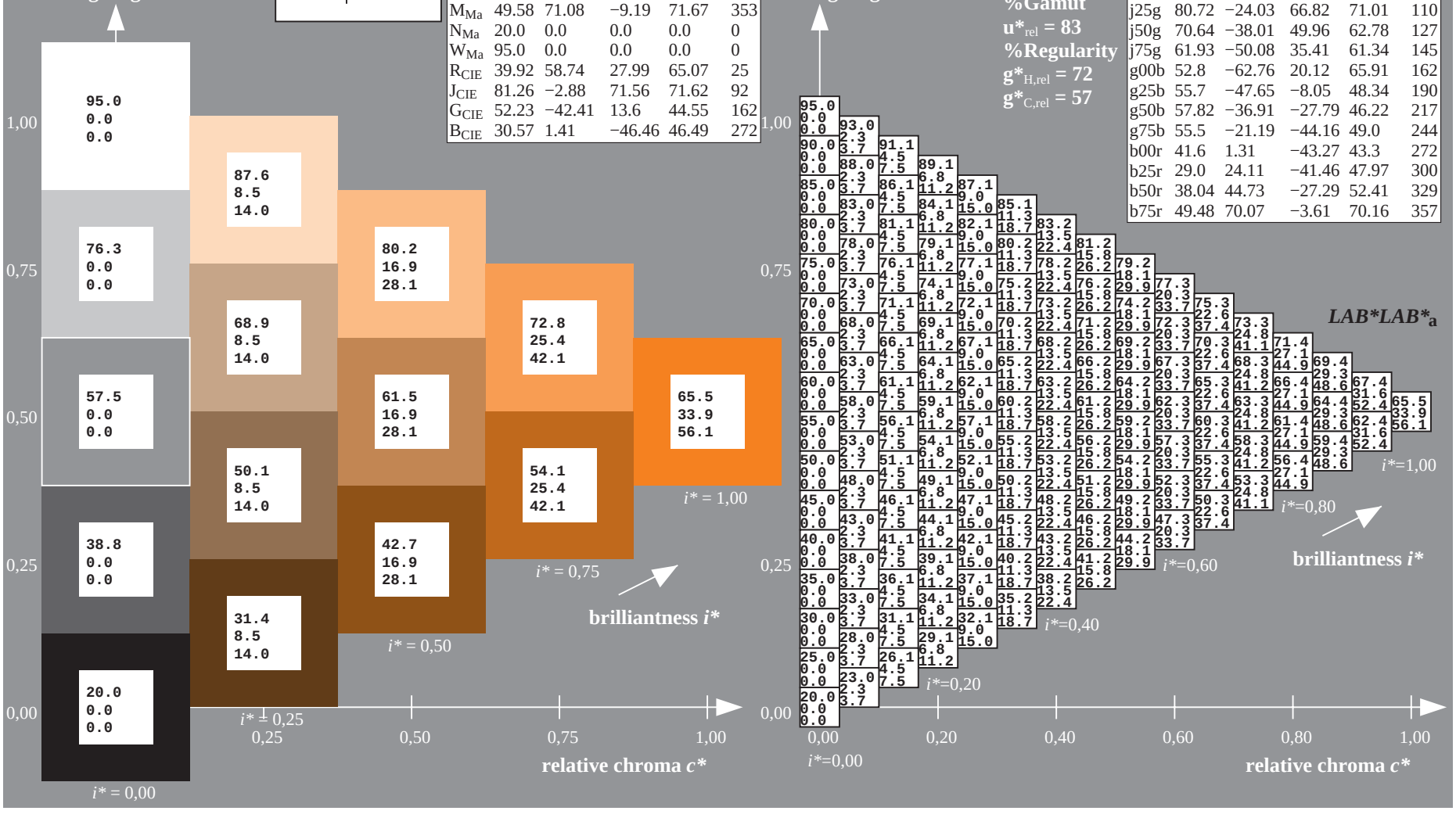
Data for maximum colour (Ma):
***LAB*LAB**Ma: 65 34 56**
***LAB*LCH**Ma: 65 66 59**
***lab*rgb**Ma: 1.0 0.5 0.0**
***lab*olv**Ma: 1.0 0.4 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = r50j
LAB*LAB**a

ORS20_95a; adapted (a) CIELAB data

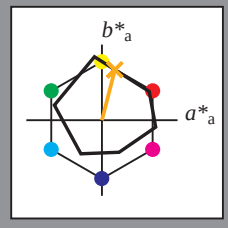
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 76/360 = 0.21**

u** = r75j
LAB*LAB*a

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u** = r75j
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

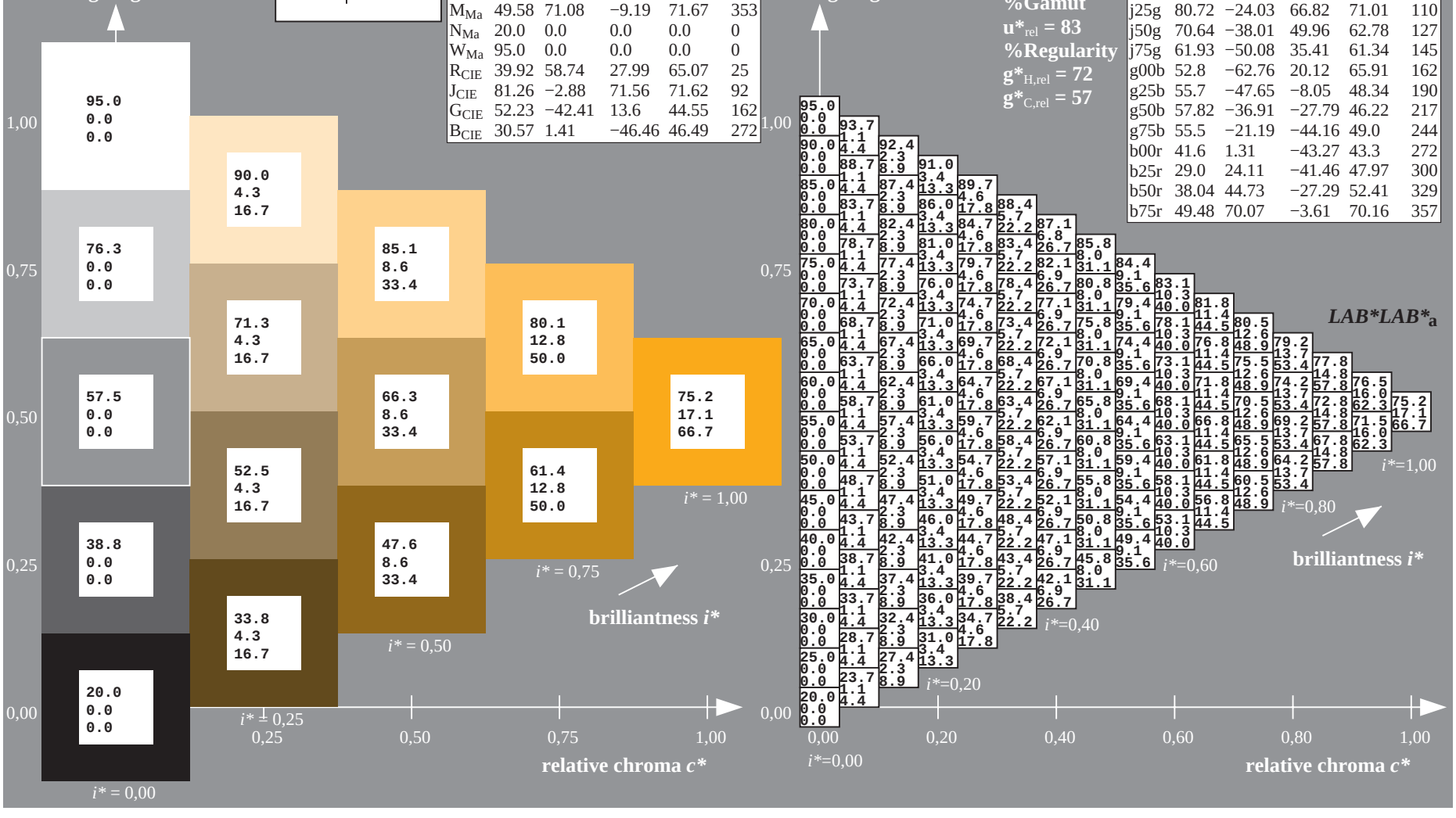
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 17 67**
***LAB*LCH**Ma: 75 69 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} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

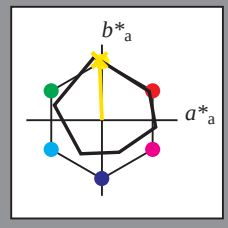
ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

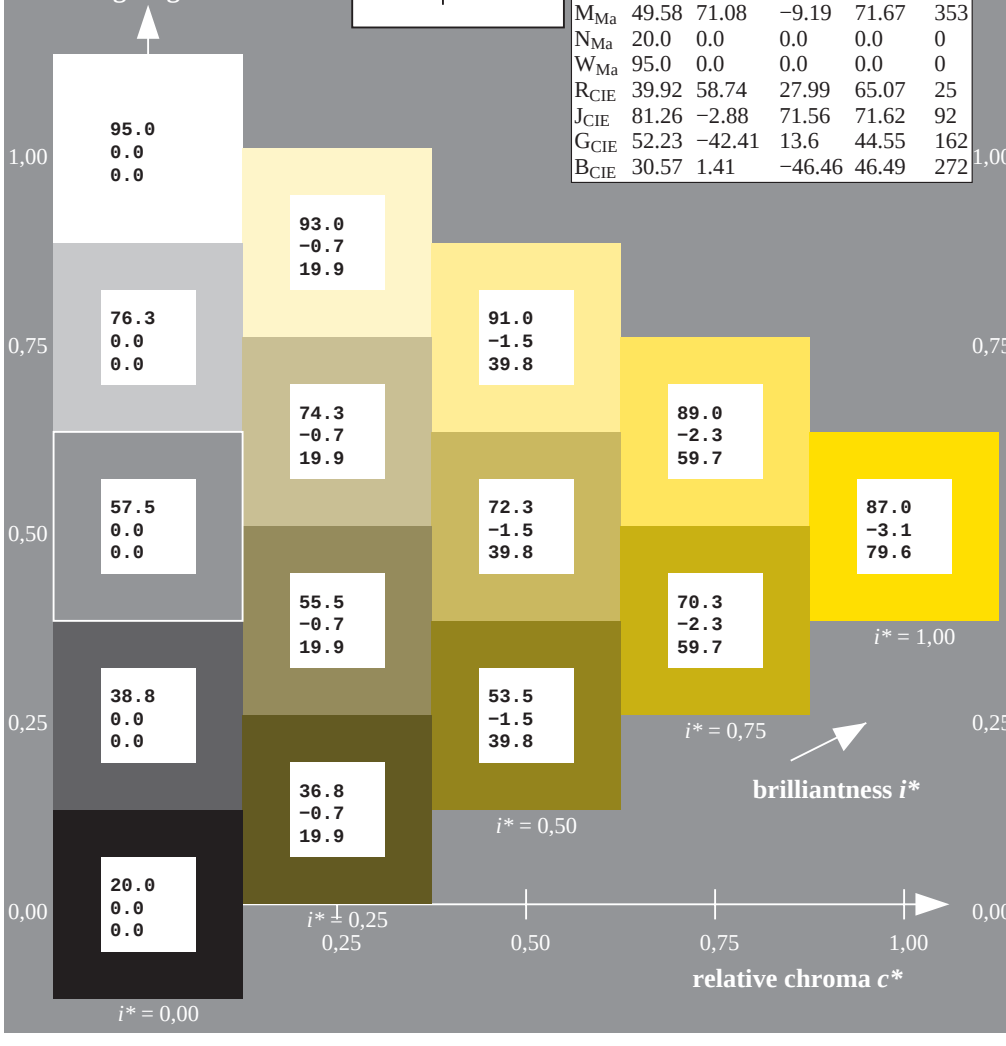
Data for maximum colour (Ma):
***LAB*LAB**Ma: 87 −2 80**
***LAB*LCH**Ma: 87 80 92**
***lab*rgb**Ma: 1.0 1.0 0.0**
***lab*olv**Ma: 1.0 0.91 0.0**
triangle lightness *t**

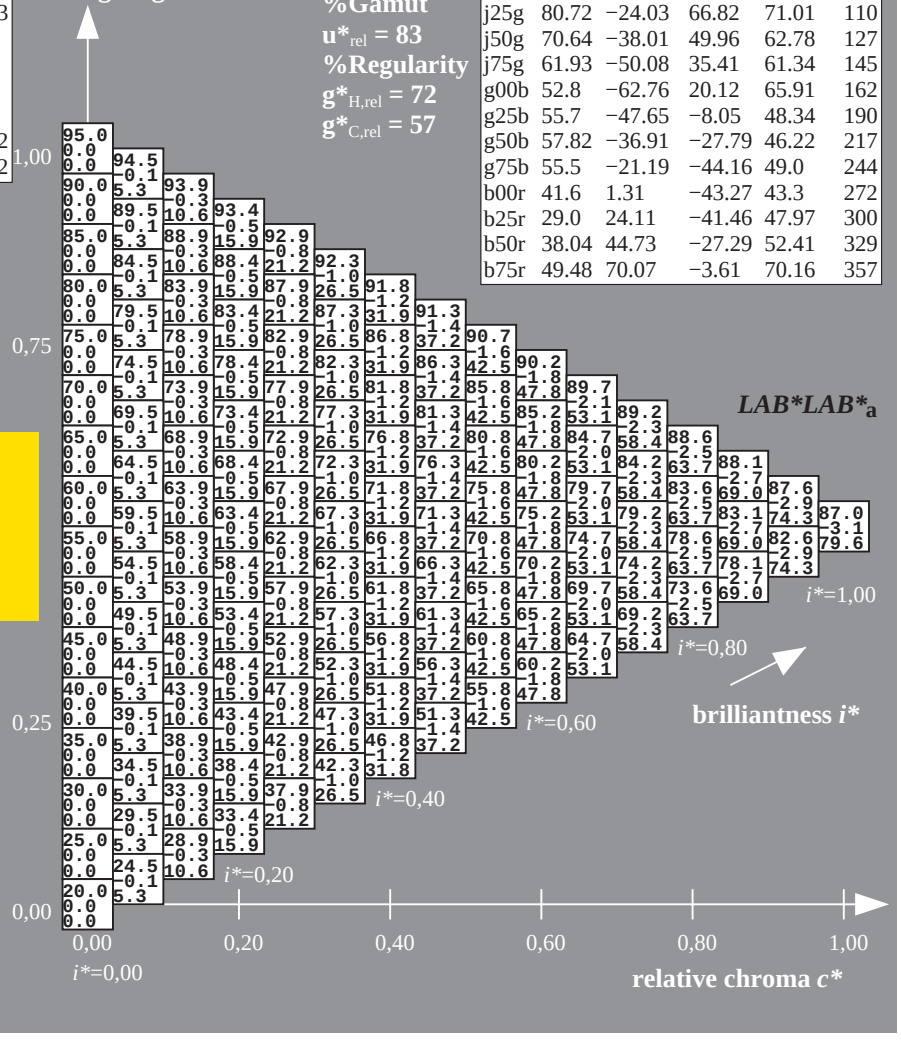
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = j00g
LAB*LAB**a

ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

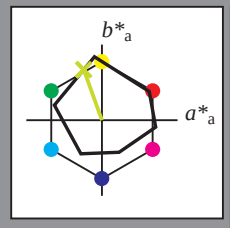




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 110/360 = 0.305**

u** = j25g
LAB*LAB*a

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u** = j25g
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

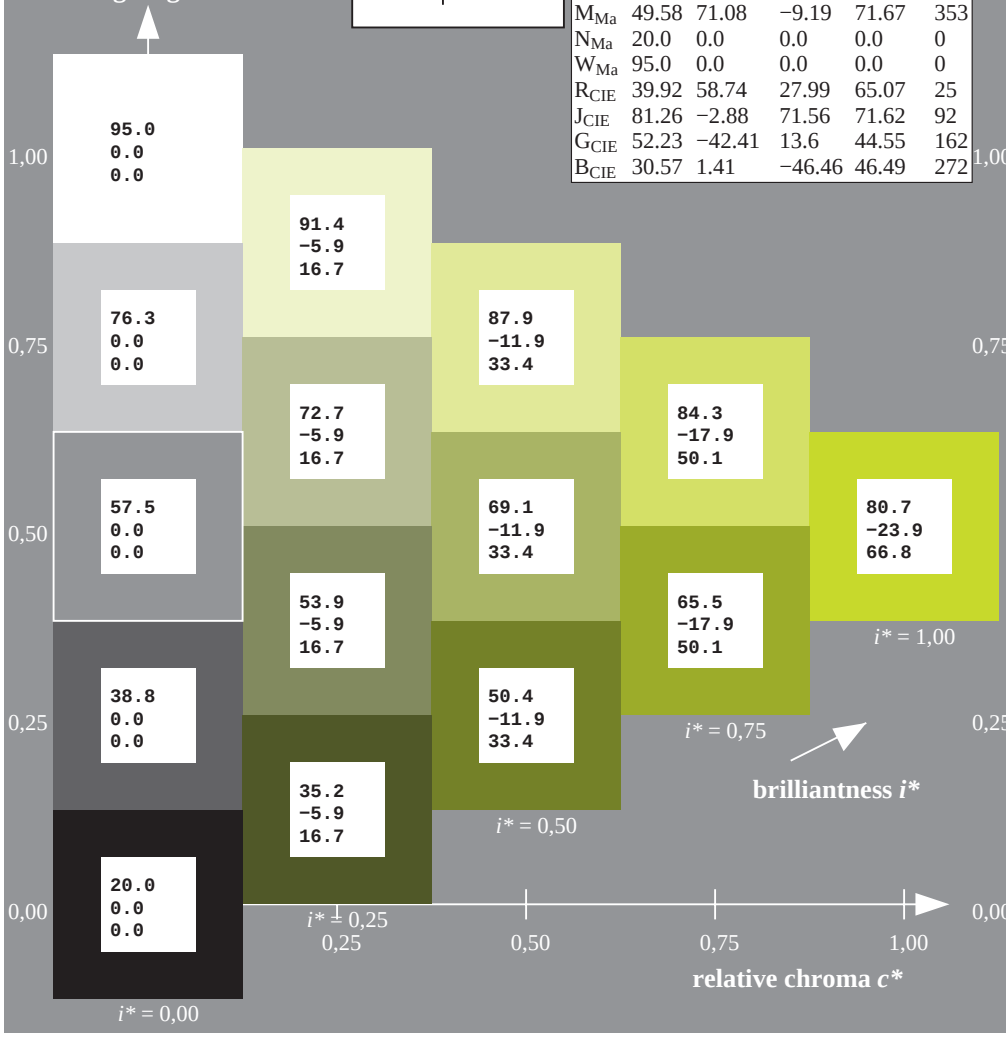
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

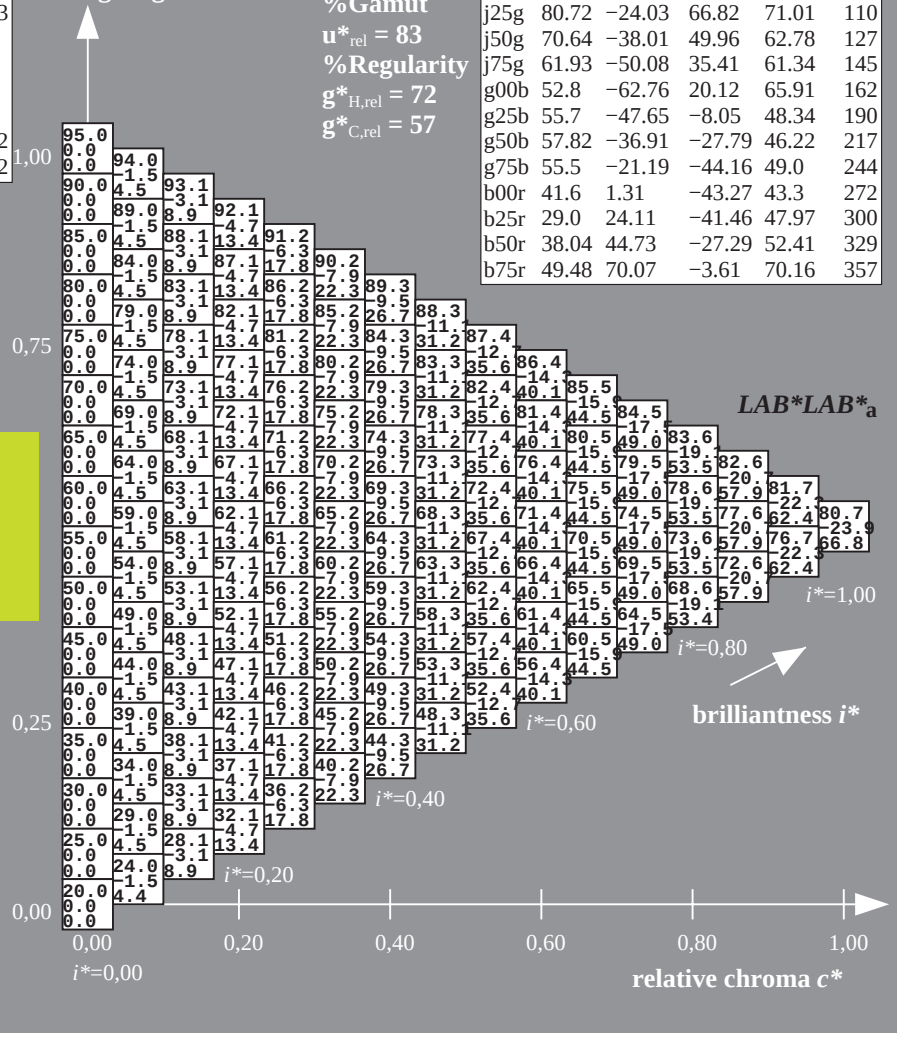
Data for maximum colour (Ma):
***LAB*LAB**Ma: 81 −23 67**
***LAB*LCH**Ma: 81 71 110**
***lab*rgb**Ma: 0.75 1.0 0.0**
***lab*olv**Ma: 0.73 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

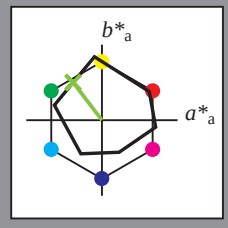
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

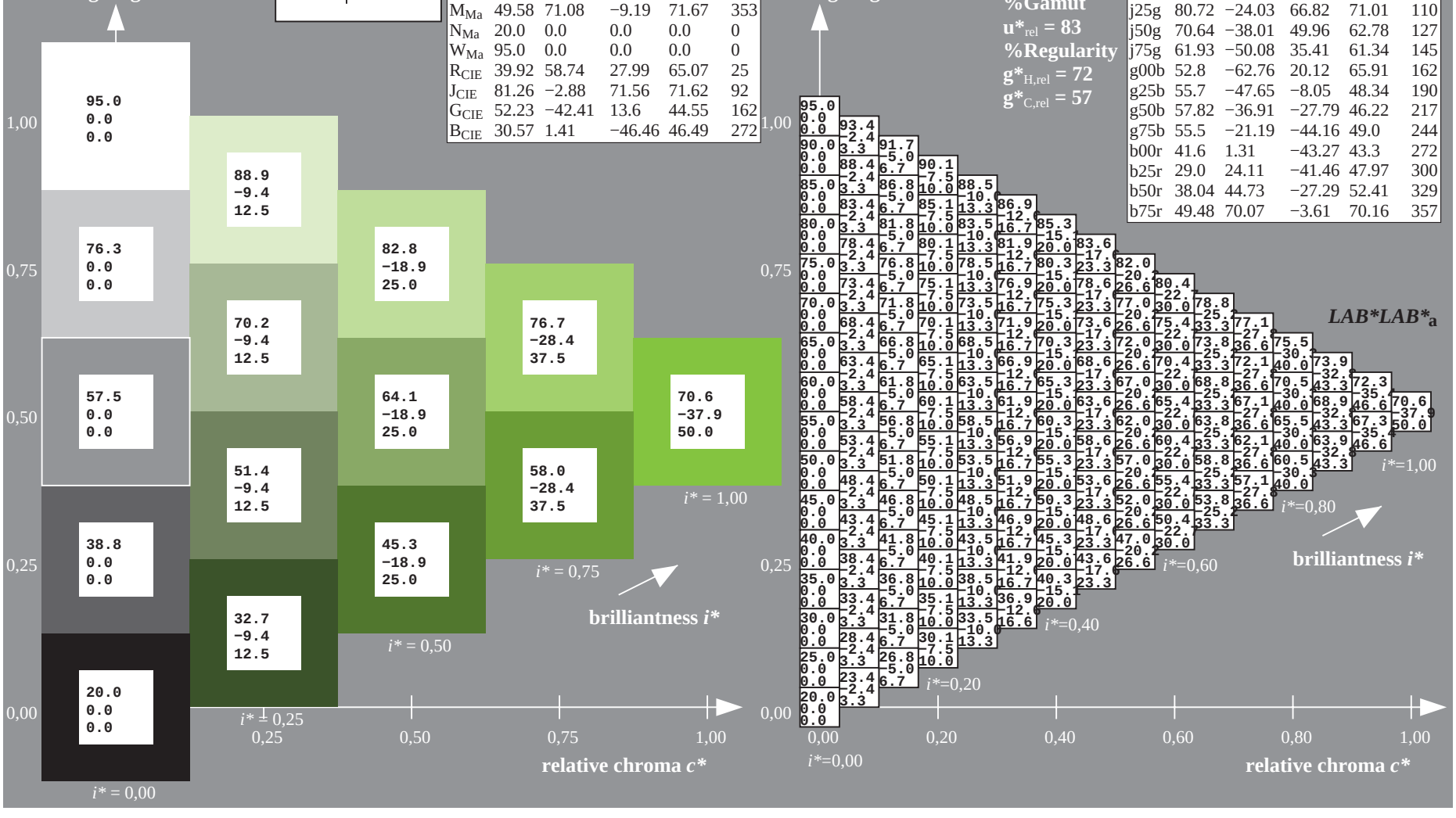
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 71 −37 50**
***LAB*LCH**$_{Ma}$: 71 63 127**
***lab*rgb**$_{Ma}$: 0.5 1.0 0.0**
***lab*olv**$_{Ma}$: 0.47 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = j50g
***LAB*LAB**$_a$**

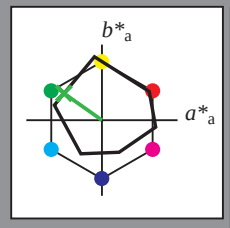
ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

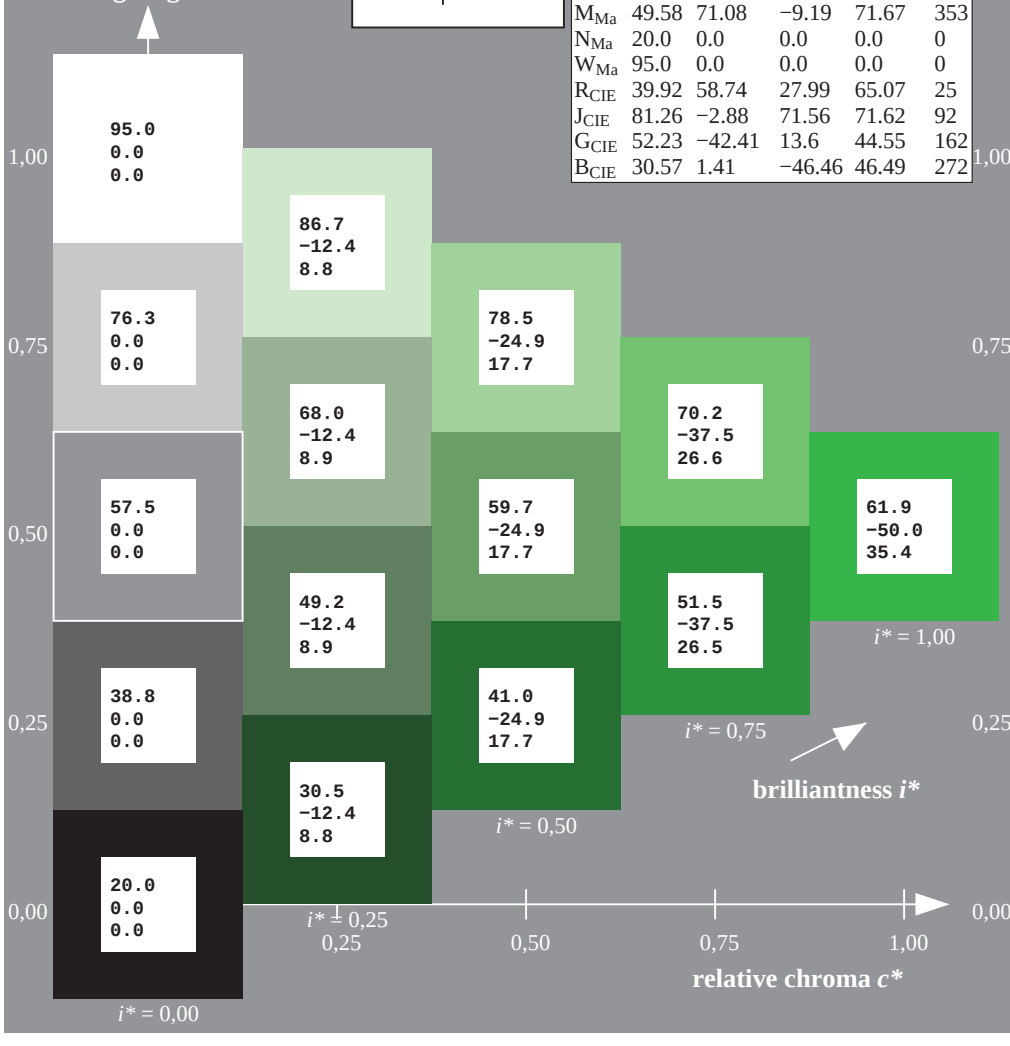
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 62 −49 35**
LAB*LCH*$_{Ma}$**: 62 61 145**
lab*rgb*$_{Ma}$**: 0.25 1.0 0.0**
lab*olv*$_{Ma}$**: 0.24 1.0 0.0**
triangle lightness *t**

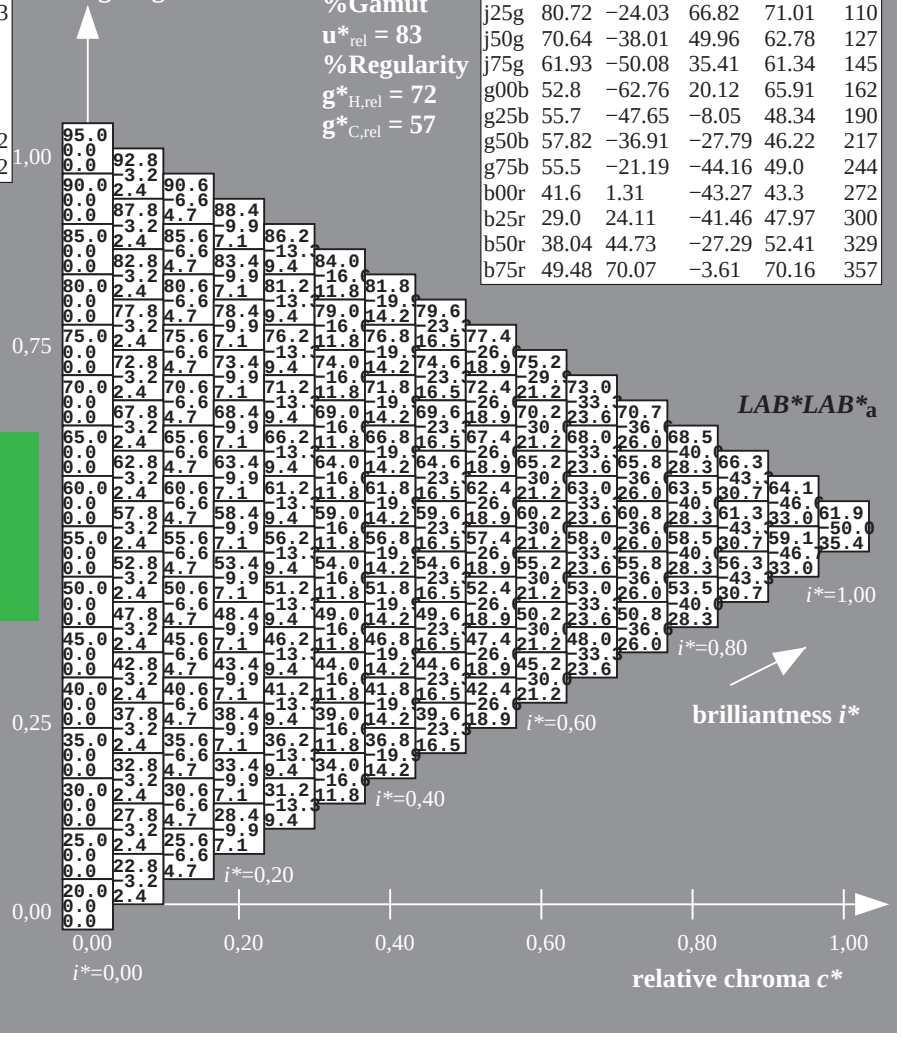
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = j75g
LAB*LAB*$_a$**

ORS20_95a; adapted (a) CIELAB data

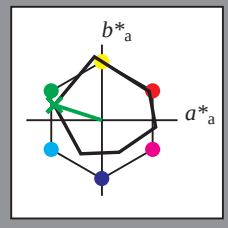
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

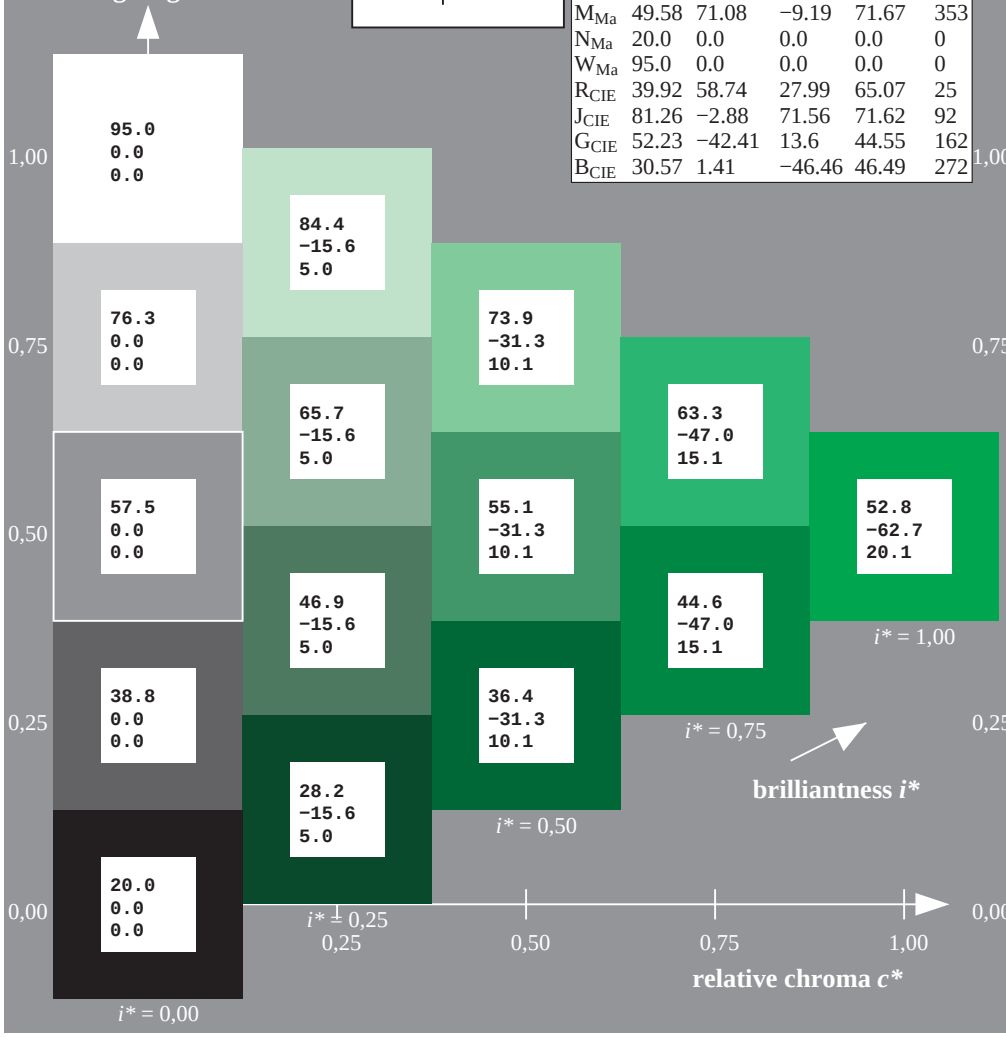
Data for maximum colour (Ma):
LAB*LAB**Ma: 53 −62 20
LAB*LCH**Ma: 53 66 162
lab*rgb**Ma: 0.0 1.0 0.0
lab*olv**Ma: 0.0 1.0 0.0
triangle lightness *t**

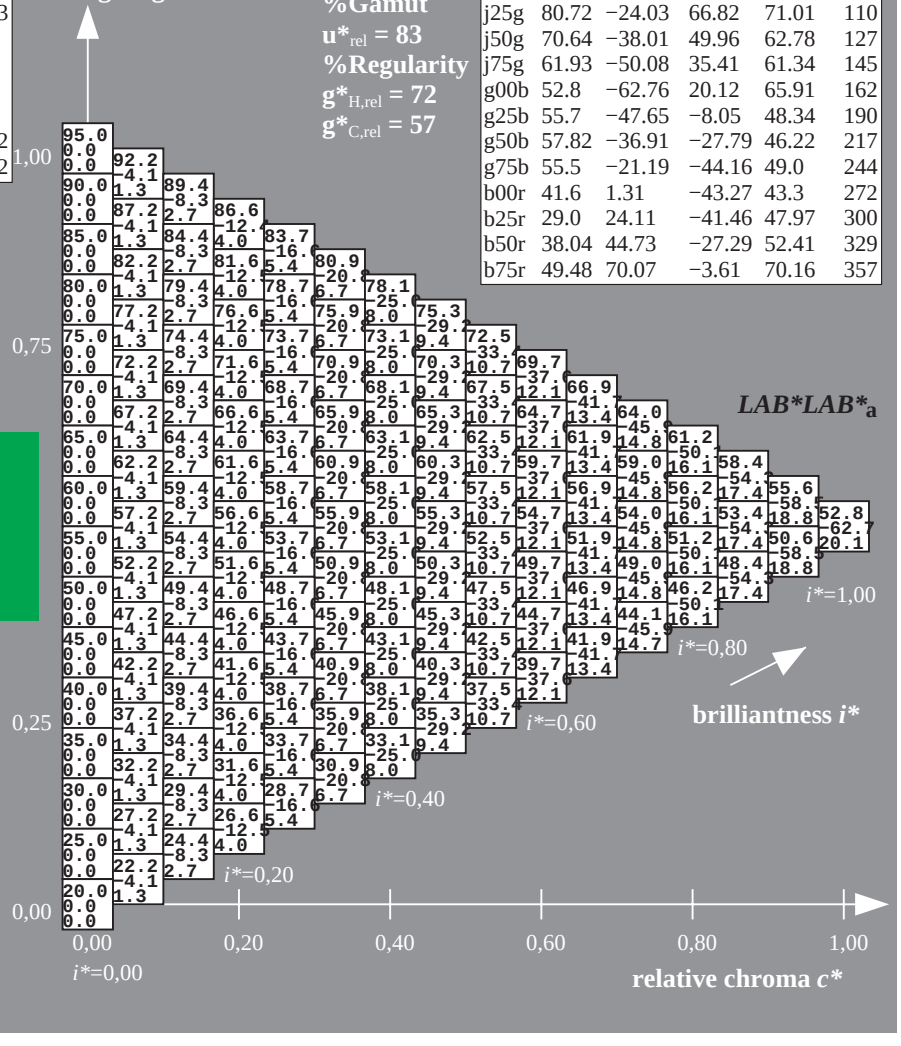
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

***u** = g00b*
LAB*LAB**a

ORS20_95a; adapted (a) CIELAB data

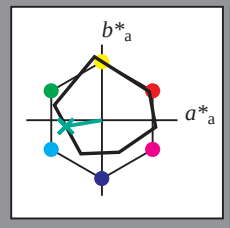
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

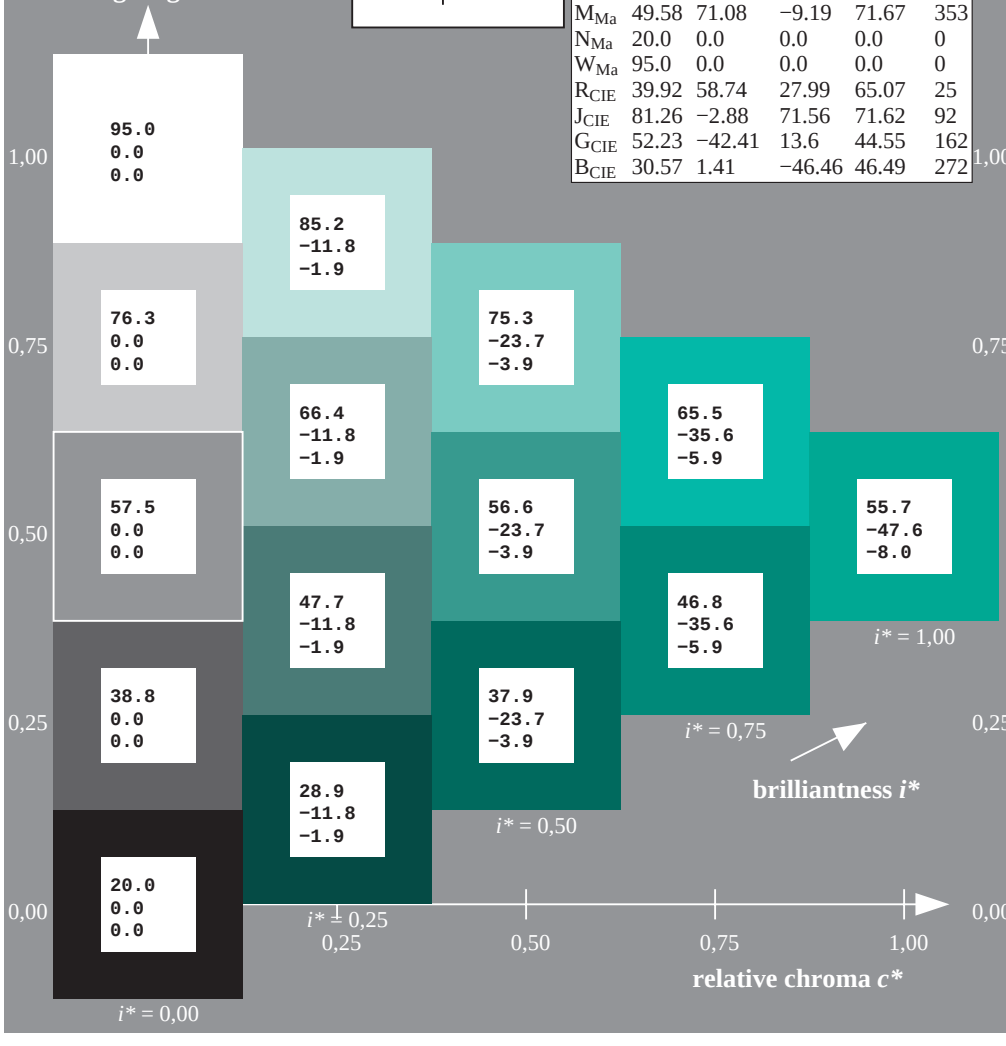
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 56 −47 −7**
LAB*LCH*$_{Ma}$**: 56 48 190**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.5**
lab*olv*$_{Ma}$**: 0.0 1.0 0.44**
triangle lightness *t**

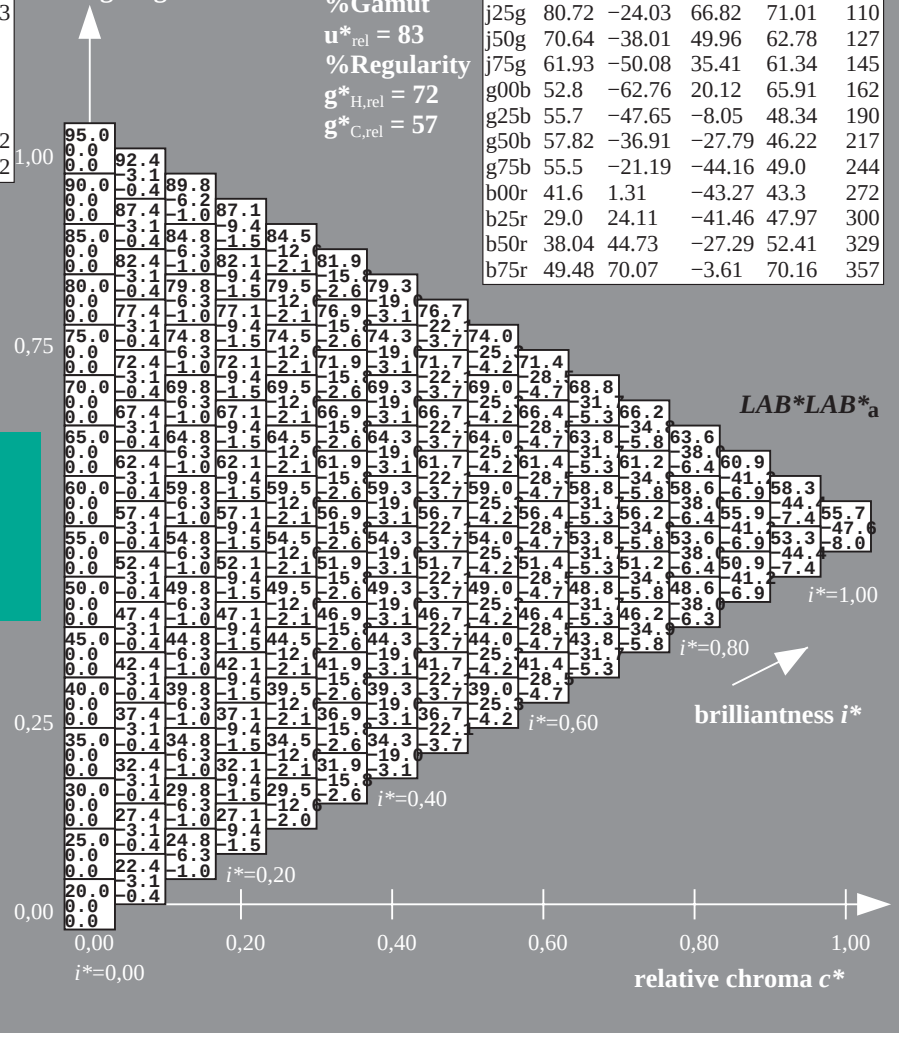
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u* = g25b
LAB*LAB*$_a$**

ORS20_95a; adapted (a) CIELAB data

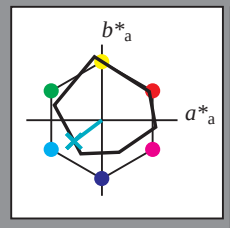
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	49.48	70.07	−3.61	70.16	357
b75r	38.04	44.73	−27.29	52.41	329





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

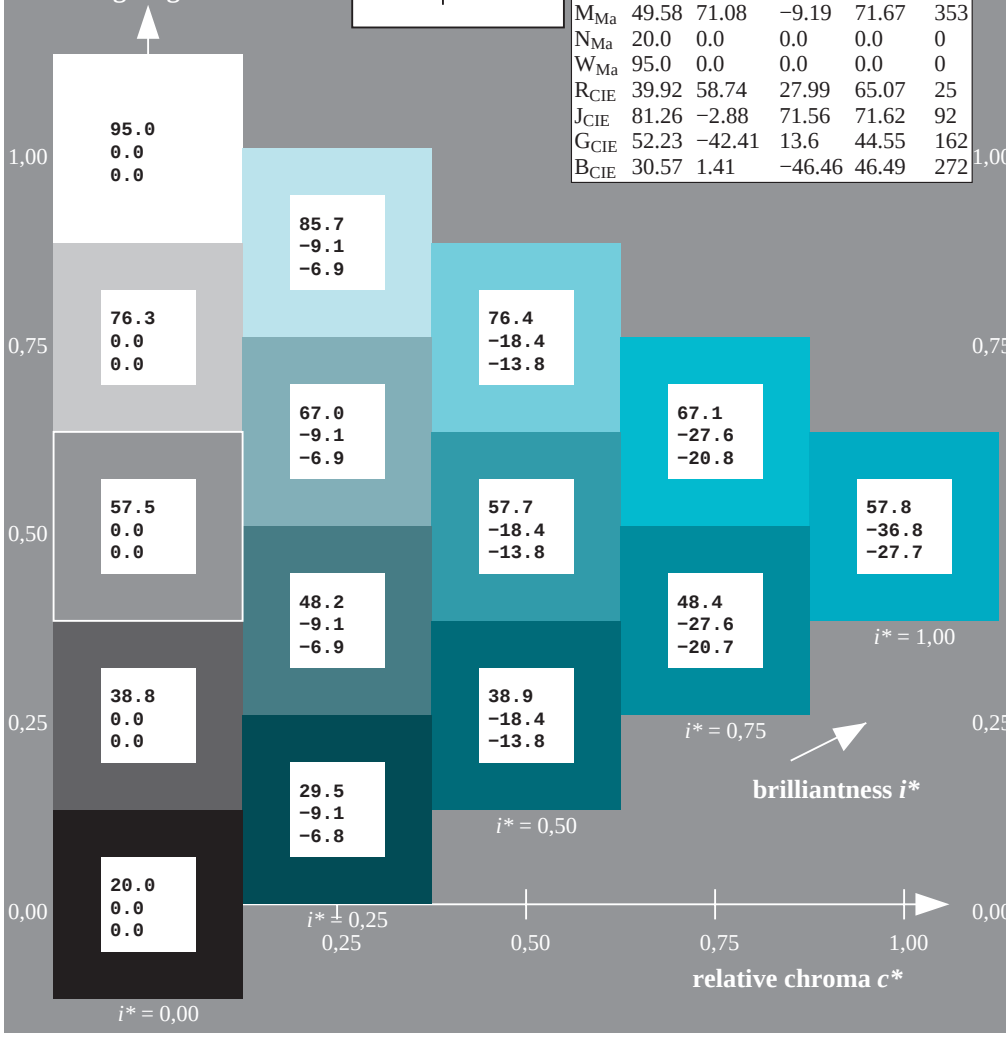
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 58 −36 −27**
***LAB*LCH**Ma*: 58 46 217**
***lab*rgb**Ma*: 0.0 1.0 1.0**
***lab*olv**Ma*: 0.0 1.0 0.74**
triangle lightness *t**

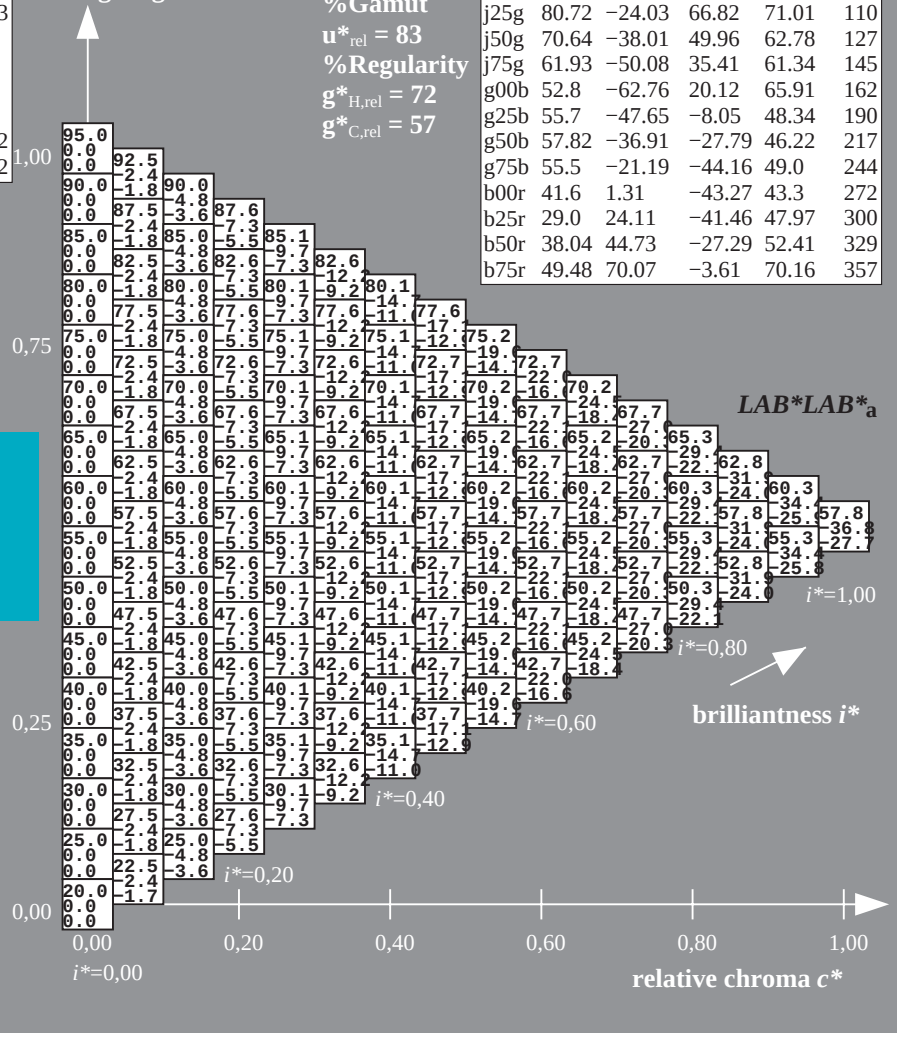
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = g50b
LAB*LAB**a

ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

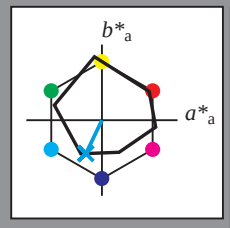




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

u = g75b*
*LAB*LAB*a*

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
u = g75b*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

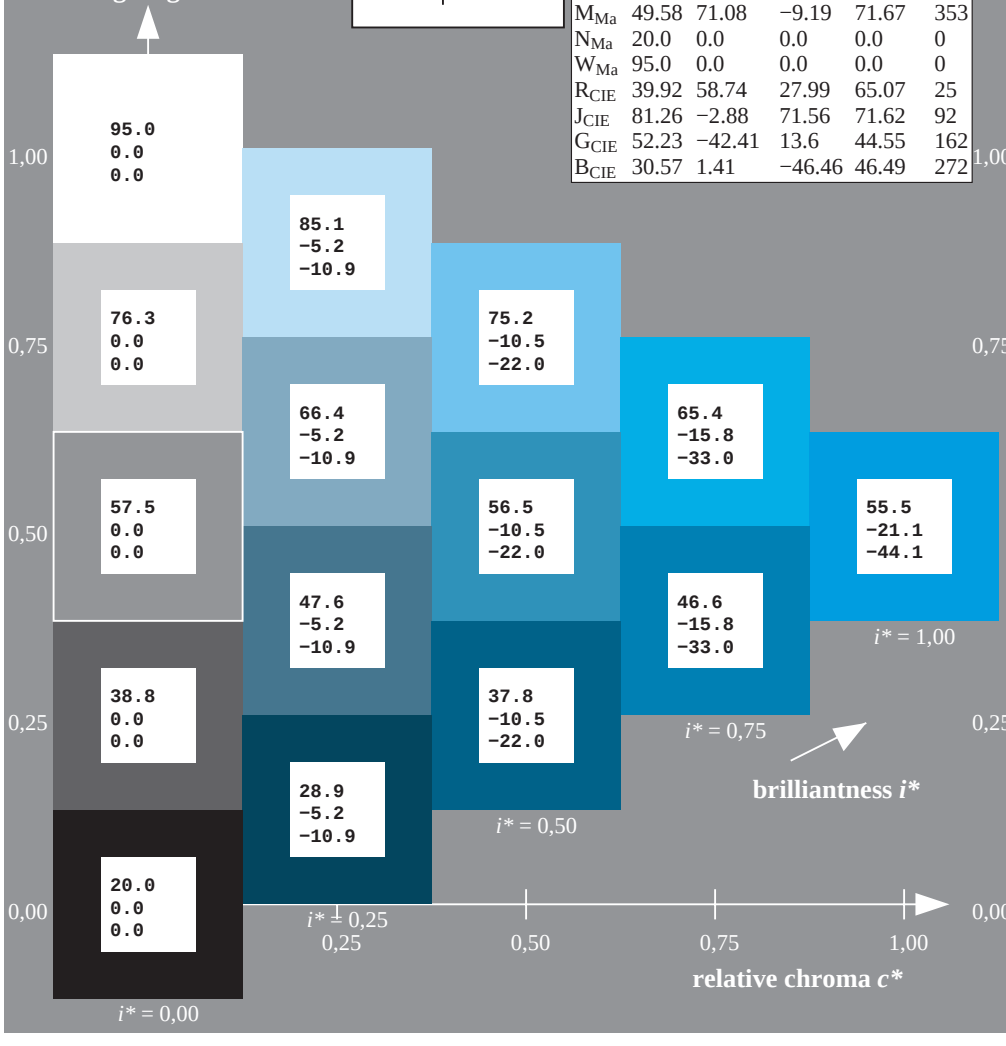
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

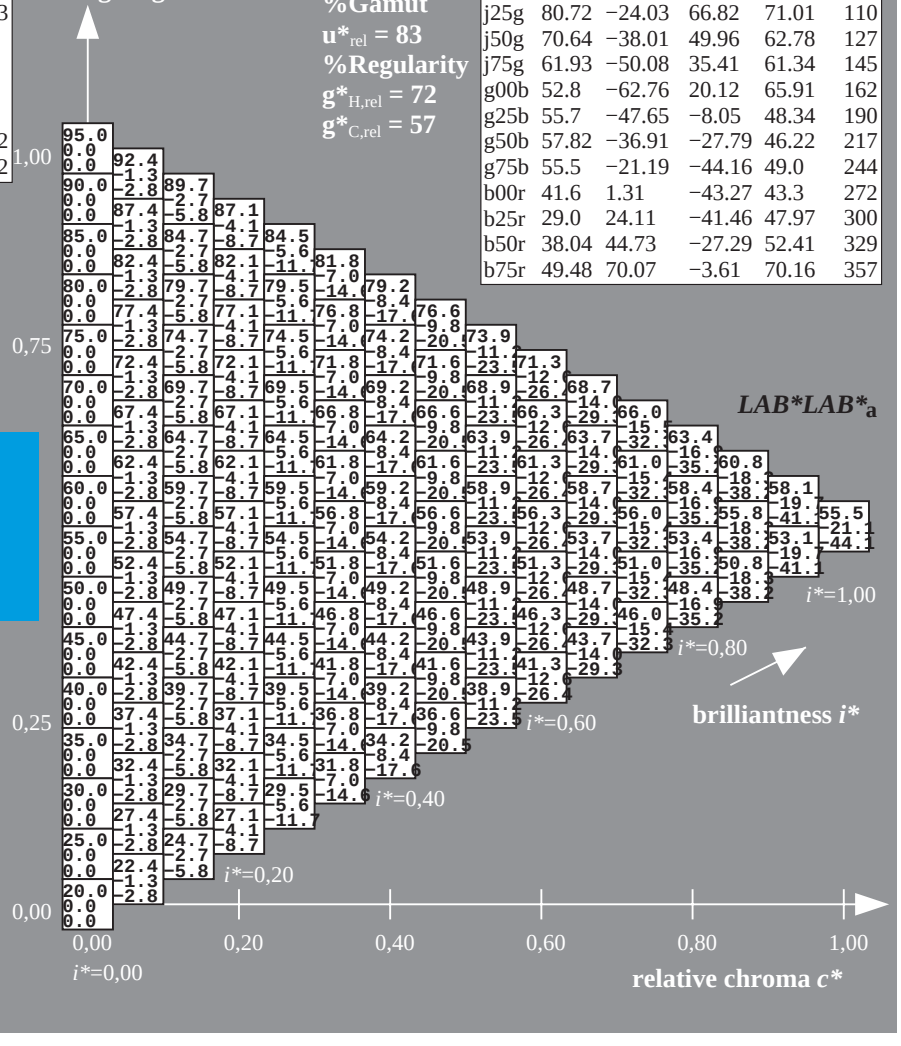
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 −20 −43
$LAB^*LCH^*_{Ma}$: 55 49 244
$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0
$lab^*olv^*_{Ma}$: 0.0 0.87 1.0
triangle lightness *t**

%Gamut
$u^*_{rel} = 83$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

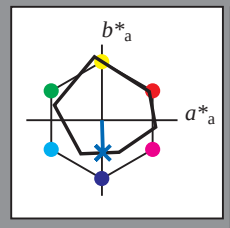




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 272/360 = 0.755**

***u** = b00r*
LAB*LAB*a

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
***u** = b00r*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

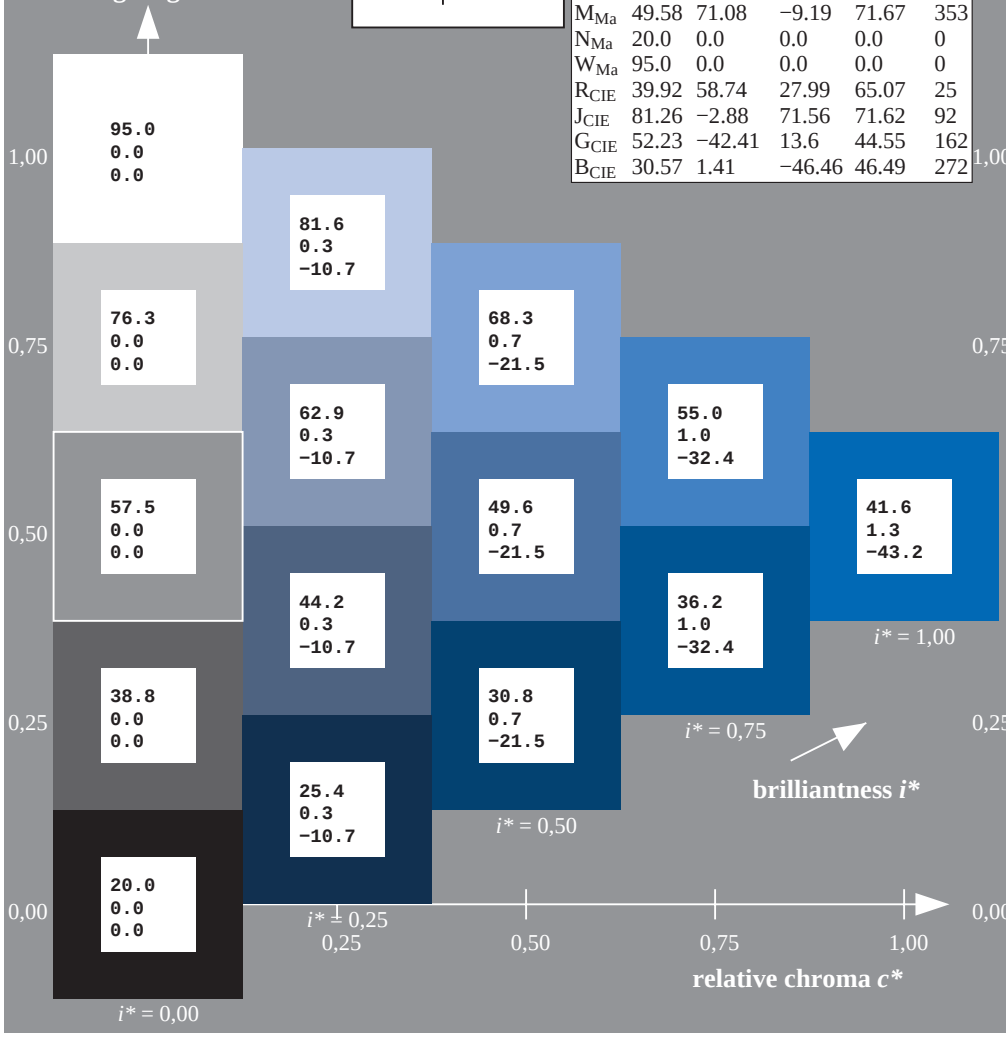
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

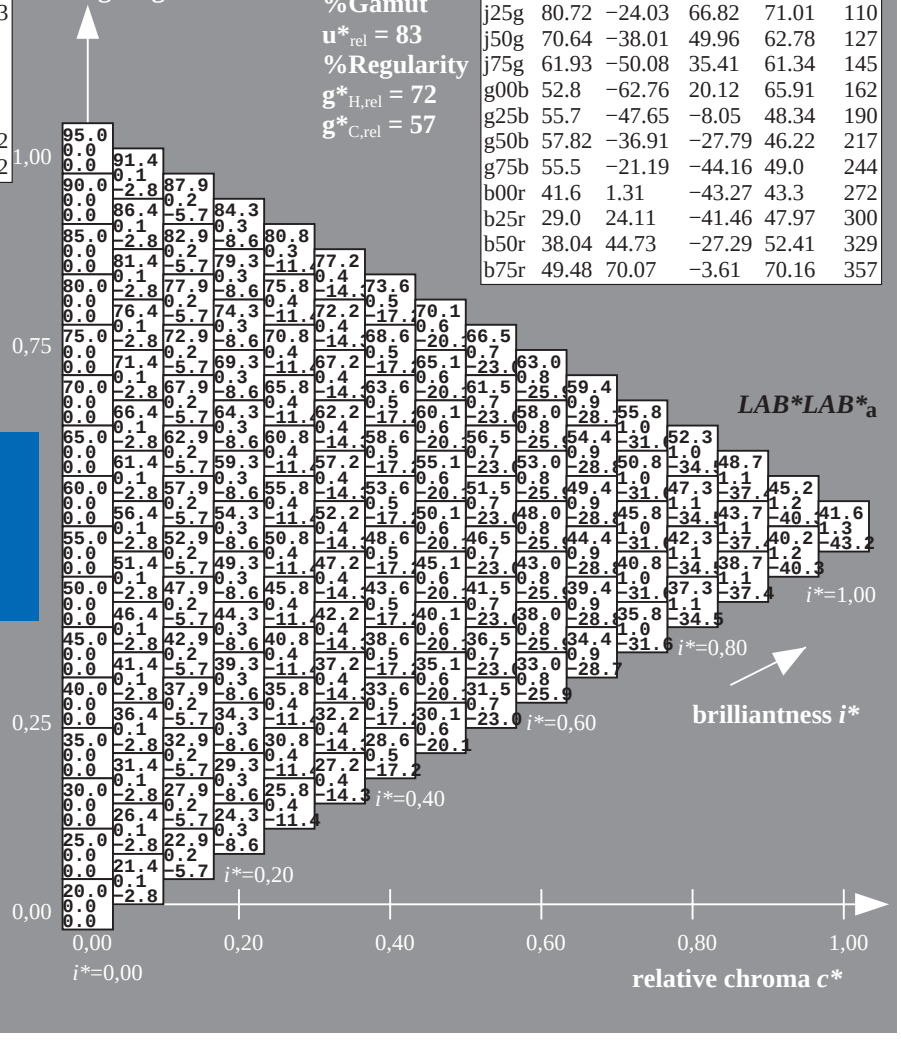
Data for maximum colour (Ma):
***LAB*LAB**Ma: 42 1 −42**
***LAB*LCH**Ma: 42 43 272**
***lab*rgb**Ma: 0.0 0.0 1.0**
***lab*olv**Ma: 0.0 0.42 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

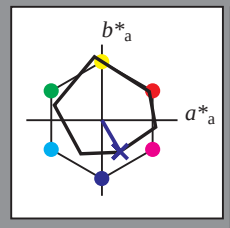
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	49.48	70.07	−3.61	70.16	357
b75r	38.04	44.73	−27.29	52.41	329





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

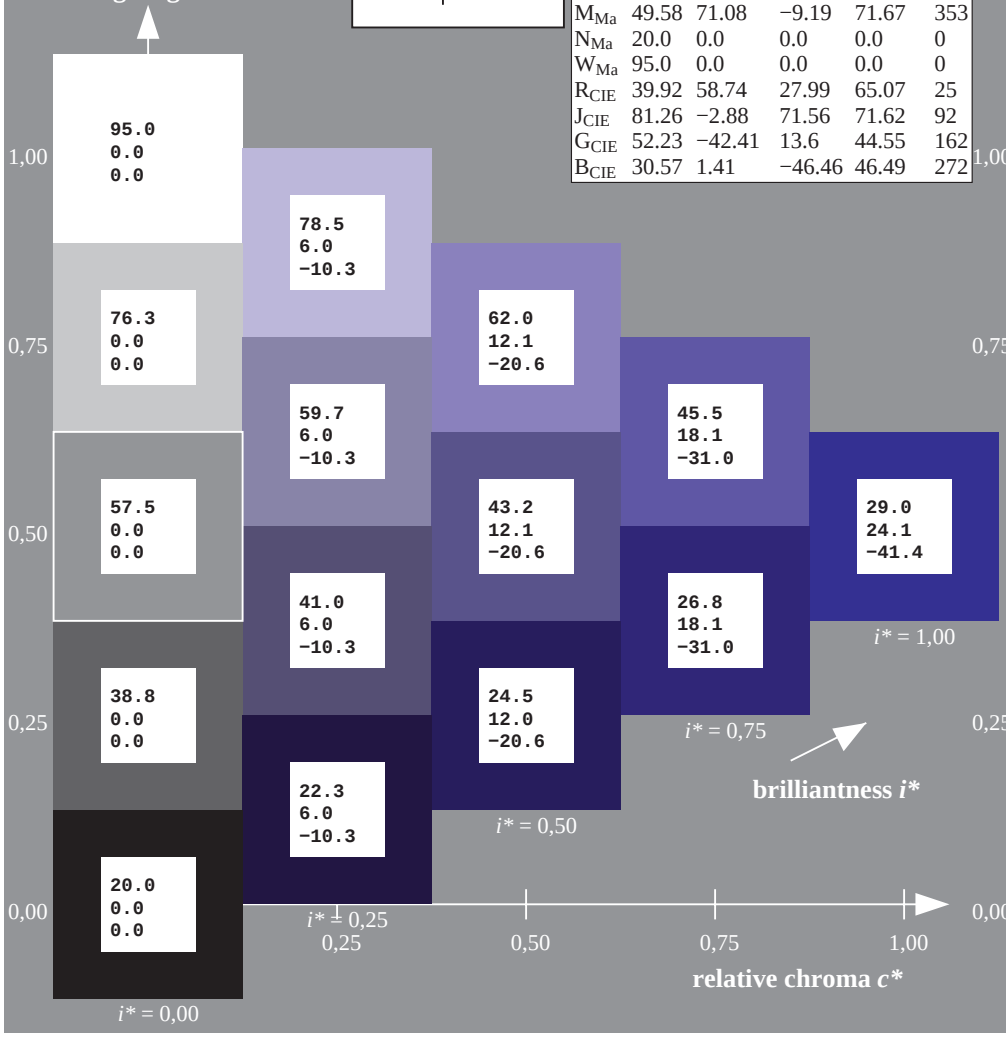
Data for maximum colour (Ma):
LAB*LAB**Ma: 29 24 −40
LAB*LCH**Ma: 29 48 300
lab*rgb**Ma: 0.5 0.0 1.0
lab*olv**Ma: 0.03 0.0 1.0
triangle lightness *t**

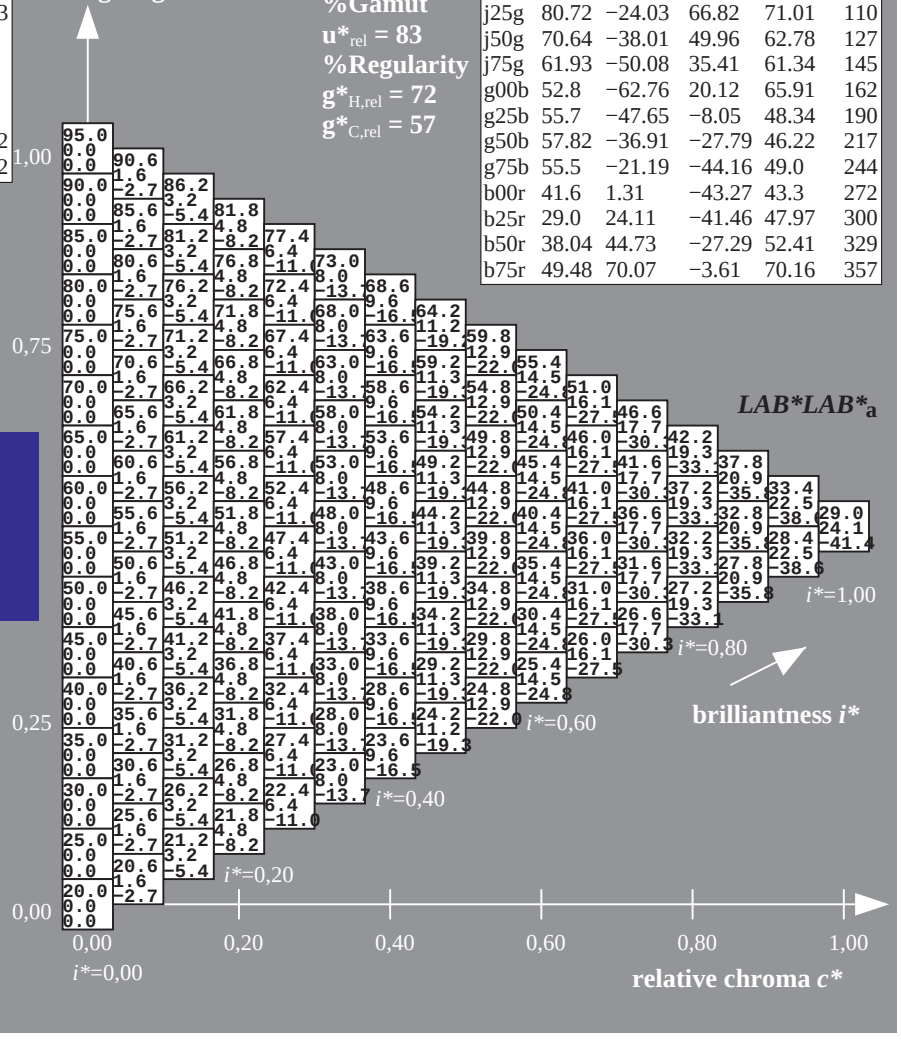
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = b25r
LAB*LAB**a

ORS20_95a; adapted (a) CIELAB data

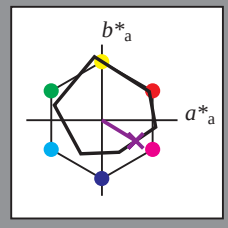
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

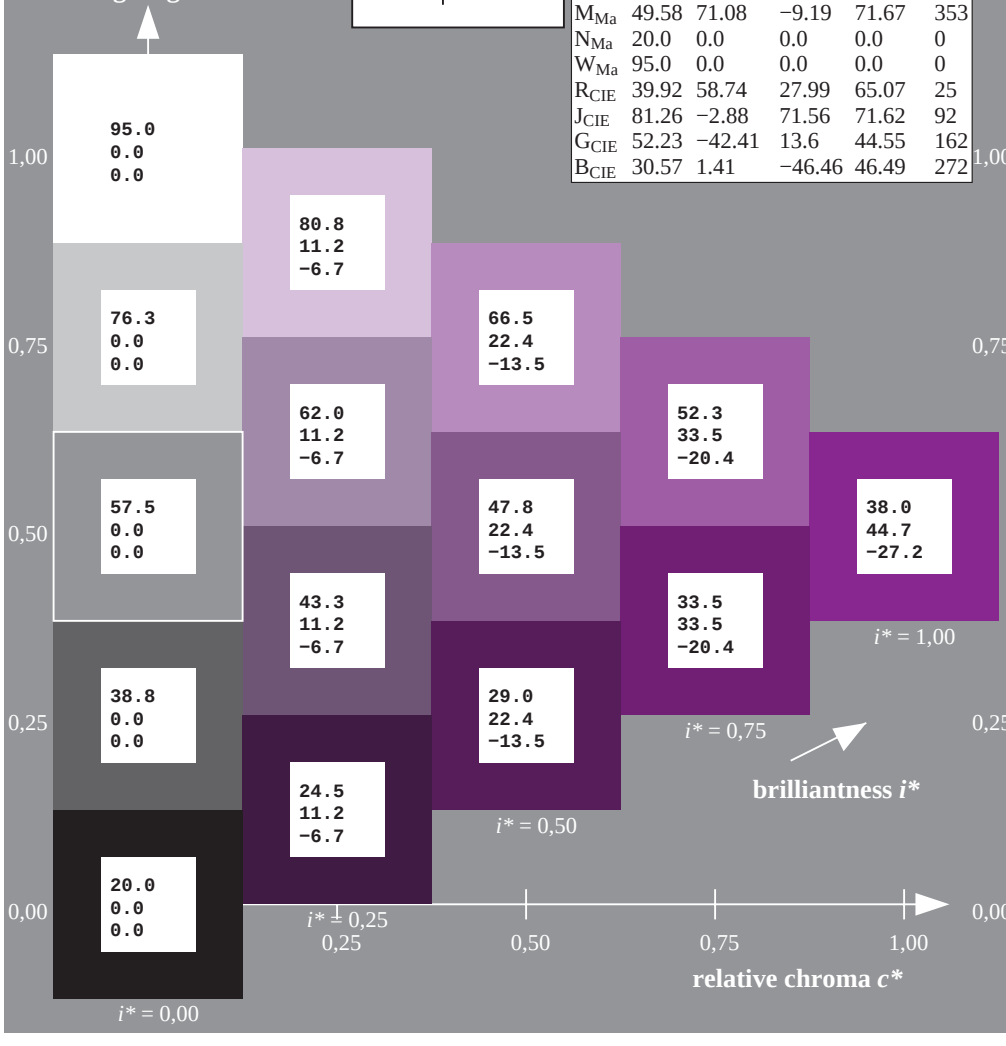
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 38 45 −26**
LAB*LCH*$_{Ma}$: 38 52 329**
lab*rgb*$_{Ma}$: 1.0 0.0 1.0**
lab*olv*$_{Ma}$: 0.46 0.0 1.0**
triangle lightness *t**

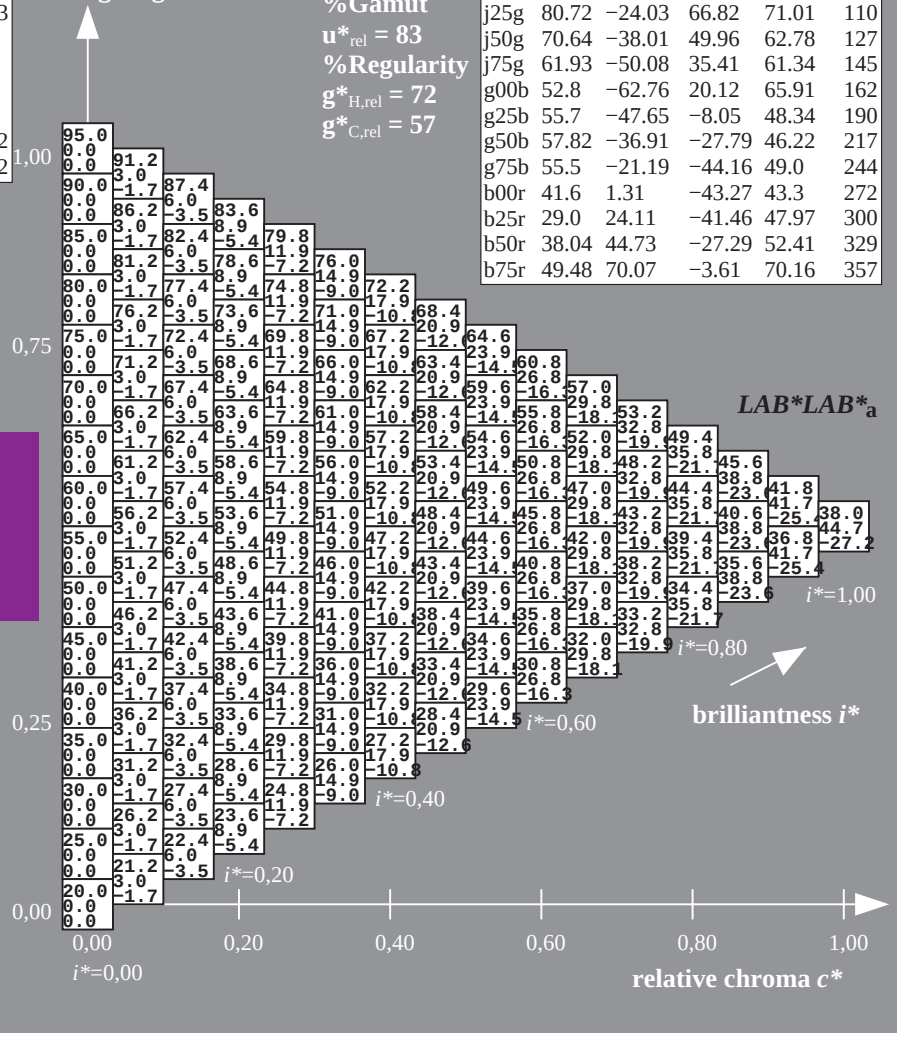
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = b50r
LAB*LAB*a**

ORS20_95a; adapted (a) CIELAB data

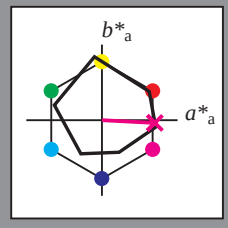
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

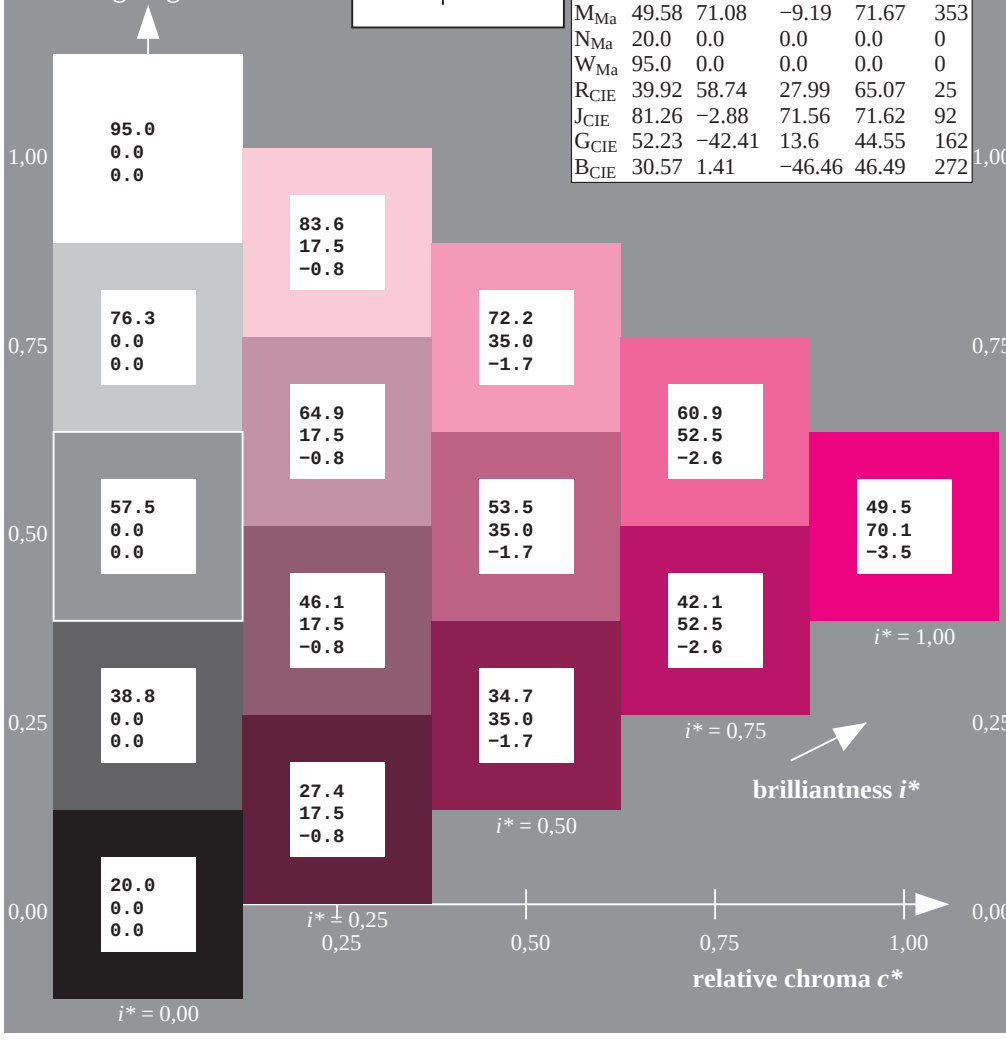
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 49 70 −3**
***LAB*LCH**$_{Ma}$: 49 70 357**
***lab*rgb**$_{Ma}$: 1.0 0.0 0.5**
***lab*olv**$_{Ma}$: 1.0 0.0 0.88**
triangle lightness *t**

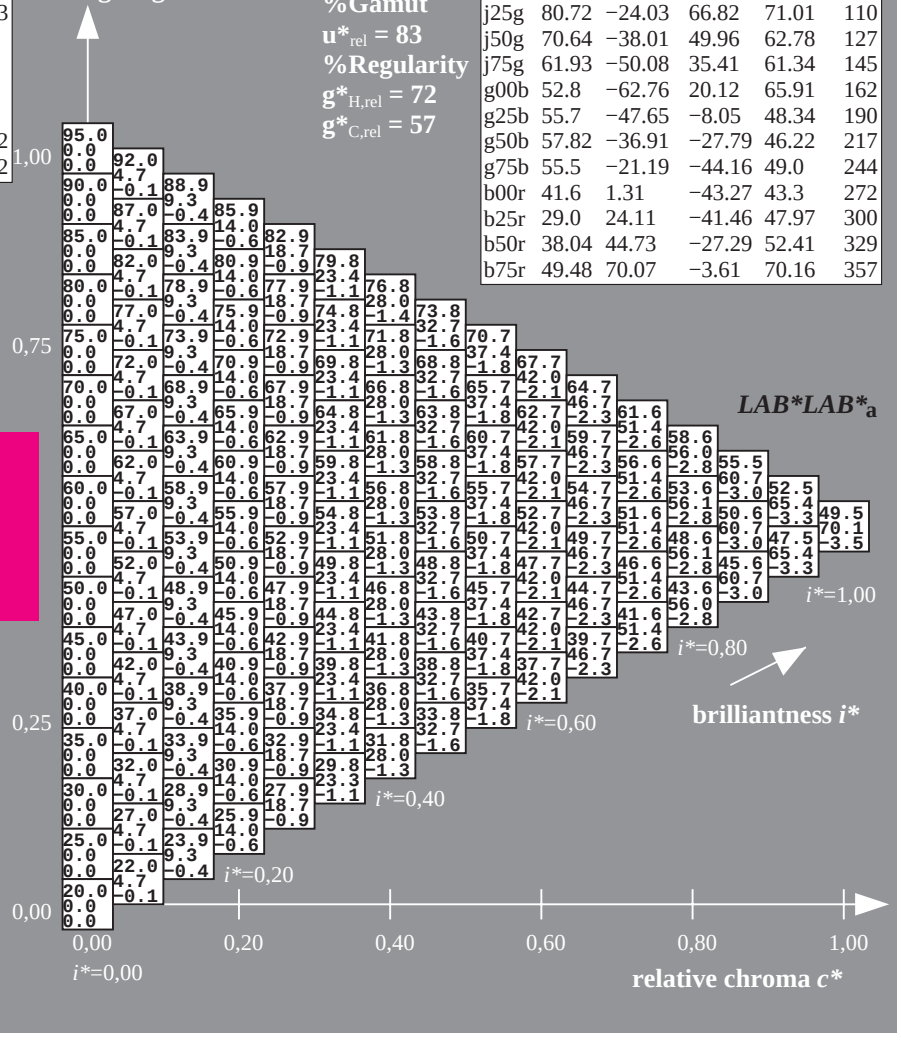
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = b75r
***LAB*LAB**$_a$**

ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





See for similar files: http://www.ps.bam.de/De99/; www.ps.bam.de/De.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
01	20.0	24.1	28.2	32.3	36.3	40.4	44.5	48.6	52.7	23.6	28.9	33.0	37.0	41.1	45.2	49.3	53.4	57.5	27.2	32.5
	0.0	-7.8	-15.6	-23.5	-31.3	-39.2	-47.1	-54.9	-62.8	7.8	-1.1	-9.0	-16.9	-24.7	-32.6	-40.5	-48.3	-56.2	15.6	6.6
	0.0	2.5	5.0	7.5	10.0	12.5	15.0	17.5	19.9	4.7	10.5	13.0	15.5	18.0	20.4	22.9	25.4	27.9	9.5	15.2
02	21.1	25.0	29.0	33.1	37.2	41.3	45.4	49.5	53.6	23.7	29.4	33.5	37.5	41.6	45.7	49.8	53.9	58.0	27.3	33.0
	2.8	-3.4	-11.2	-19.1	-27.0	-34.8	-42.7	-50.6	-58.4	8.9	0.0	-7.8	-15.6	-23.5	-31.4	-39.2	-47.1	-54.9	16.7	7.8
	-5.2	-5.5	-3.0	-0.5	1.9	4.4	6.9	9.4	11.9	-1.0	0.0	2.5	5.0	7.5	10.0	12.5	15.0	17.5	3.6	4.7
03	22.1	26.0	29.9	34.0	38.1	42.2	46.3	50.3	54.4	24.8	30.4	34.3	38.4	42.5	46.6	50.7	54.8	58.8	27.4	33.1
	5.7	-0.5	-6.9	-14.7	-22.6	-30.5	-38.3	-46.2	-54.0	11.7	2.8	-3.4	-11.2	-19.1	-27.0	-34.8	-42.7	-50.6	17.8	8.9
	-10.5	-10.8	-11.0	-8.5	-6.0	-3.5	-1.0	1.4	3.9	-6.4	-5.2	-5.5	-3.0	-0.5	1.9	4.4	6.9	9.4	-2.2	-1.0
04	23.2	27.1	31.0	34.9	38.9	43.0	47.1	51.2	55.3	25.8	31.5	35.4	39.3	43.4	47.5	51.5	55.6	59.7	28.4	34.1
	8.5	2.2	-4.0	-10.3	-18.2	-26.1	-33.9	-41.8	-49.7	14.6	5.7	-0.5	-6.9	-14.7	-22.6	-30.5	-38.3	-46.2	20.6	11.7
	-15.8	-16.1	-16.3	-16.6	-14.1	-11.6	-9.1	-6.6	-4.1	-11.7	-10.5	-10.8	-11.0	-8.5	-6.0	-3.5	-1.0	1.4	-7.5	-6.4
05	24.2	28.1	32.0	35.9	39.8	43.9	48.0	52.1	56.2	26.8	32.5	36.4	40.3	44.2	48.3	52.4	56.5	60.6	29.5	35.2
	11.4	5.0	-1.2	-7.5	-13.8	-21.7	-29.6	-37.4	-45.3	17.4	8.5	2.2	-4.0	-10.3	-18.2	-26.1	-33.9	-41.8	23.4	14.6
	-21.1	-21.4	-21.6	-21.9	-22.1	-19.6	-17.1	-14.6	-12.1	-17.0	-15.8	-16.1	-16.3	-16.6	-14.1	-11.6	-9.1	-6.6	-12.8	-11.7
06	25.3	29.1	33.1	37.0	40.9	44.8	48.8	52.9	57.0	27.9	33.6	37.5	41.4	45.3	49.2	53.3	57.4	61.4	30.5	36.2
	14.2	7.9	1.6	-4.7	-11.0	-17.3	-25.2	-33.0	-40.9	20.2	11.4	5.0	-1.2	-7.5	-13.8	-21.7	-29.6	-37.4	26.3	17.4
	-26.4	-26.7	-26.9	-27.2	-27.4	-27.7	-25.2	-22.7	-20.2	-22.3	-21.1	-21.4	-21.6	-21.9	-22.1	-19.6	-17.1	-14.6	-18.1	-17.0
07	26.3	30.2	34.1	38.0	41.9	45.8	49.7	53.8	57.9	28.9	34.6	38.5	42.4	46.3	50.2	54.1	58.2	62.3	31.6	37.3
	17.0	10.7	4.4	-1.8	-8.1	-14.5	-20.8	-28.7	-36.5	23.1	14.2	7.9	1.6	-4.7	-11.0	-17.3	-25.2	-33.0	29.1	20.2
	-31.7	-32.0	-32.2	-32.5	-32.7	-33.0	-33.2	-30.7	-28.2	-27.6	-26.4	-26.7	-26.9	-27.2	-27.4	-27.7	-25.2	-22.7	-23.4	-22.3
08	27.3	31.2	35.1	39.1	43.0	46.9	50.8	54.7	58.7	30.0	35.7	39.6	43.5	47.4	51.3	55.2	59.1	63.2	32.6	38.3
	19.9	13.6	7.2	0.9	-5.3	-11.6	-18.0	-24.3	-32.1	25.9	17.0	10.7	4.4	-1.8	-8.2	-14.5	-20.8	-28.7	32.0	23.1
	-37.0	-37.3	-37.5	-37.8	-38.0	-38.3	-38.5	-38.8	-36.3	-32.9	-31.7	-32.0	-32.2	-32.5	-32.7	-33.0	-33.2	-30.7	-28.7	-27.6
09	28.4	32.3	36.2	40.1	44.0	47.9	51.8	55.7	59.6	31.0	36.7	40.6	44.5	48.4	52.3	56.2	60.1	64.0	33.7	39.4
	22.7	16.4	10.1	3.8	-2.5	-8.8	-15.1	-21.4	-27.8	28.8	19.9	13.6	7.2	0.9	-5.3	-11.6	-18.0	-24.3	34.8	25.9
	-42.3	-42.6	-42.8	-43.1	-43.3	-43.6	-43.8	-44.1	-44.3	-38.2	-37.0	-37.3	-37.5	-37.8	-38.0	-38.3	-38.5	-38.8	-34.0	-32.9
10	30.8	36.1	41.3	46.6	50.7	54.8	58.9	62.9	67.0	34.4	39.6	44.9	50.2	55.5	59.5	63.6	67.7	71.8	38.0	43.2
	23.5	14.4	5.3	-3.6	-11.5	-19.3	-27.2	-35.1	-42.9	31.3	22.2	13.2	4.1	-4.8	-12.7	-20.6	-28.4	-36.3	39.1	30.0
	14.2	20.0	25.7	31.4	33.9	36.4	38.9	41.4	43.9	19.0	24.7	30.4	36.2	41.9	44.4	46.9	49.4	51.9	23.7	29.4
11	30.9	36.6	41.8	47.1	51.2	55.3	59.4	63.4	67.5	34.5	40.2	45.4	50.7	56.0	60.1	64.1	68.2	72.3	38.1	43.8
	24.5	15.6	6.6	-2.4	-10.2	-18.1	-26.0	-33.8	-41.7	32.3	23.5	14.4	5.3	-3.6	-11.5	-19.3	-27.2	-35.1	40.2	31.3
	8.3	9.5	15.2	21.0	23.5	26.0	28.4	30.9	33.4	13.1	14.2	20.0	25.7	31.5	33.9	36.4	38.9	41.4	17.8	19.0
12	31.0	36.7	42.3	47.6	51.7	55.8	59.9	64.0	68.0	34.6	40.3	45.9	51.2	56.5	60.6	64.7	68.7	72.8	38.2	43.9
	25.6	16.7	7.8	-1.1	-9.0	-16.9	-24.7	-32.6	-40.5	33.4	24.5	15.6	6.6	-2.4	-10.2	-18.1	-26.0	-33.8	41.2	32.3
	2.4	3.6	4.7	10.5	13.0	15.5	18.0	20.5	22.9	7.2	8.3	9.5	15.2	21.0	23.5	26.0	28.4	30.9	11.9	13.1
13	31.1	36.8	42.4	48.1	52.2	56.3	60.4	64.5	68.6	34.7	40.4	46.0	51.7	57.0	61.1	65.2	69.2	73.3	38.3	44.0
	26.6	17.8	8.9	0.0	-7.8	-15.6	-23.5	-31.4	-39.2	34.5	25.6	16.7	7.8	-1.1	-9.0	-16.9	-24.7	-32.6	42.3	33.4
	-3.3	-2.2	-1.0	0.0	2.5	5.0	7.5	10.0	12.5	1.3	2.4	3.6	4.7	10.5	13.0	15.5	18.0	20.5	6.0	7.2
14	32.1	37.8	43.5	49.2	53.1	57.2	61.2	65.3	69.4	34.8	40.5	46.1	51.8	57.5	61.6	65.7	69.8	73.8	38.4	44.1
	29.5	20.6	11.7	2.8	-3.4	-11.2	-19.1	-27.0	-34.8	35.5	26.7	17.8	8.9	0.0	-7.8	-15.6	-23.5	-31.3	43.4	34.5
	-8.7	-7.5	-6.4	-5.2	-5.5	-3.0	-0.5	1.9	4.4	-4.5	-3.3	-2.2	-1.0	0.0	2.5	5.0	7.5	10.0	0.1	1.3
15	33.2	38.9	44.5	50.2	54.1	58.0	62.1	66.2	70.3	35.8	41.5	47.2	52.9	58.5	62.5	66.5	70.6	74.7	38.5	44.2
	32.3	23.4	14.6	5.7	-0.5	-6.9	-14.7	-22.6	-30.5	38.4	29.5	20.6	11.7	2.8	-3.4	-11.2	-19.1	-27.0	44.4	35.5
	-14.0	-12.8	-11.7	-10.5	-10.8	-11.0	-8.5	-6.0	-3.5	-9.8	-8.7	-7.5	-6.4	-5.2	-5.5	-3.0	-0.5	1.9	-5.6	-4.5
16	34.2	39.9	45.6	51.3	55.2	59.1	63.0	67.1	71.1	36.9	42.6	48.2	53.9	59.6	63.5	67.4	71.5	75.6	39.5	45.2
	35.2	26.3	17.4	8.5	2.2	-4.0	-10.3	-18.2	-26.1	41.2	32.3	23.4	14.6	5.7	-0.5	-6.9	-14.7	-22.6	47.3	38.4
	-19.3	-18.1	-17.0	-15.8	-16.1	-16.3	-16.6	-14.1	-11.6	-15.1	-14.0	-12.8	-11.7	-10.5	-10.8	-11.0	-8.5	-6.0	-10.9	-9.8
17	35.3	41.0	46.6	52.3	56.2	60.1	64.0	67.9	72.0	37.9	43.6	49.3	55.0	60.6	64.5	68.5	72.4	76.4	40.6	46.3
	38.0	29.1	20.2	11.4	5.0	-1.2	-7.5	-13.8	-21.7	44.1	35.2	26.3	17.4	8.5	2.2	-4.0	-10.3	-18.2	50.1	41.2
	-24.6	-23.4	-22.3	-21.1	-21.4	-21.6	-21.9	-22.1	-19.6	-20.4	-19.3	-18.1	-17.0	-15.8	-16.1	-16.3	-16.6	-14.1	-16.3	-15.1
18	36.3	42.0	47.7	53.4	57.3	61.2	65.1	69.0	72.9	39.0	44.7	50.3	56.0	61.7	65.6	69.5	73.4	77.3	41.6	47.3
	40.8	32.0	23.1	14.2	7.9	1.6	-4.7	-11.0	-17.3	46.9	38.0	29.1	20.2	11.4	5.0	-1.2	-7.5	-13.8	52.9	44.1
	-29.9	-28.7	-27.6	-26.4	-26.7	-26.9	-27.2	-27.4	-27.7	-25.7	-24.6	-23.4	-22.3	-21.1	-21.4	-21.6	-21.9	-22.1	-21.6	-20.4
19	41.6	46.8	52.1	57.4	62.6	67.9	73.2	77.3	81.4	45.2	50.4	55.7	61.0	66.2	71.5	76.8	82.1	86.1	48.8	54.0
	46.9	37.9	28.8	19.7	10.7	1.6	-7.3	-15.2	-23.0	54.7	45.7	36.6	27.6	18.5	9.5	0.4	-8.6	-16.4	62.5	53.5
	28.4	34.2	39.9	45.7	51.4	57.2	62.9	65.4	67.9	33.2	38.9	44.7	50.4	56.1	61.9	67.6	73.4	75.9	37.9	43.6
20	41.7	47.3	52.6	57.9	63.2	68.4	73.7	77.8	81.9	45.3	50.9	56.2	61.5	66.8	72.0	77.3	82.6	86.6	48.9	54.5
	48.0	39.1	30.0	21.0	11.9	2.9	-6.1	-13.9	-21.8	55.8	46.9	37.9	28.8	19.7	10.7	1.6	-7.3	-15.2	63.6	54.7
	22.5	23.7	29.4	35.2	40.9	46.7	52.4	54.9	57.4	27.3	28.4	34.2	39.9	45.7	51.4	57.2	62.9	65.4	32.0	33.2
21	41.8	47.4	53.1	58.4	63.7	68.9	74.2	78.3	82.4	45.4	51.0	56.7	62.0	67.3	72.5	77.8	83.1	87.2	49.0	54.6
	49.0	40.2	31.3	22.2	13.2	4.1	-4.8	-12.7	-20.6	56.9	48.0	39.1	30.0	21.0	11.9	2.9	-6.1	-13.9	64.7	55.8
	16.7	17.8	19.0	24.7	30.4	36.2	41.9	44.4	46.9	21.4	22.5	23.7	29.4	35.2	40.9	46.7	52.4	54.9	26.1	27.3
22	41.9	47.6	53.2	58.9	64.2	69.4	74.7	78.8	82.9	45.5	51.1	56.8	62.5	67.8	73.0	78.3	83.6	87.7	49.1	54.7
	50.1	41.2	32.3	23.5	14.4	5.3	-3.6	-11.5	-19.3	57.9	49.0	40.2	31.3	22.2	13.2	4.1	-4.8	-12.7	65.7	56.9
	10.8	11.9	13.1	14.2	20.0	25.7	31.5	33.9	36.4	15.5	16.7	17.8	19.0	24.7	30.4	36.2	41.9	44.4	20.2	21.4
23	42.0	47.7	53.3	59.0	64.7	70.0	75.2	79.3	83.4	45.6	51.2	56.9	62.6	68.3	73.6	78.8	84.1	88.2	49.2	54.8
	51.2	42.3	33.4	24.5	15.6	6.6	-2.4	-10.2	-18.1	59.0	50.1	41.2	32.3	23.5	14.4	5.3	-3.6	-11.5	66.8	57.9
	4.9	6.0	7.2	8.3	9.5	15.2	21.0	23.5	26.0	9.6	10.8	11.9	13.1	14.2	20.0	25.7	31.5	33.9	14.4	15.5
24	42.1	47.8	53.4	59.1	64.8	70.5	75.7	79.8	83.9	45.7	51.4	57.0	62.7	68.4	74.1	79.3	84.6	88.7	49.3	54.9
	52.2	43.4	34.5	25.6	16.7	7.8	-1.1	-9.0	-16.9	60.1	51.2	42.3	33.4	24.5	15.6	6.6	-2.4	-10.2	67.9	59.0
	-0.9	0.1	1.3	2.4	3.6	4.7	10.5	13.0	15.5	3.7	4.9	6.0	7.2	8.3	9.5	15.2	21.0	23.5	8.5	9.6
25	42.2	47.9	53.5	59.2	64.9	70.6	76.3	80.3	84.4	45.8	51.5	57.1	62.8	68.5	74.2	79.8	85.1	89.2	49.4	55.0
	53.3	44.4	35.5	26.7	17.8	8.9	0.0	-7.8	-15.6	61.1	52.2	43.4	34.5	25.6	16.7	7.8	-1.1	-9.0	68.9	60.1
	-6.8	-5.6	-4.5	-3.3	-2.2	-1.0	0.0	2.5	5.0	-2.1	-0.9	0.1	1.3	2.4	3.6	4.7	10.5	13.0	2.6	3.7
26	43.2	48.9	54.6	60.3	65.9	71.6	77.3	81.2	85.3	45.9	51.6	57.2	62.9	68.6	74.3	79.9	85.6	89.7	49.5	55.2
	56.1	47.3	38.4	29.5	20.6	11.7	2.8	-3.4	-11.2	62.2	53.3	44.4	35.5	26.7	17.8	8.9	0.0	-7.8	70.0	61.1
	-12.1	-11.0	-9.8	-8.7	-7.5	-6.4	-5.2	-5.5	-3.0	-7.9	-6.8	-5.6	-4.5	-3.3	-2.2	-1.0	0.0	2.5	-3.2	-2.1
27	44.3	50.0	55.6	61.3	67.0	72.7	78.3	82.2	86.1	46.9	52.6	58.3	64.0	69.6	75.3	81.0	86.7	90.6	49.6	55.3
	59.0	50.1	41.2	32.3	23.4	14.6	5.7	-0.5	-6.9	65.0	56.1	47.3	38.4	29.5	20.6	11.7	2.8	-3.4	71.1	62.2
	-17.4	-16.2	-15.1	-14.0	-12.8	-11.7	-10.5	-10.8	-11.0	-13.2	-12.1	-10.9	-9.8	-8.6	-7.5	-6.3	-5.2	-5.5	-9.1	-7.9

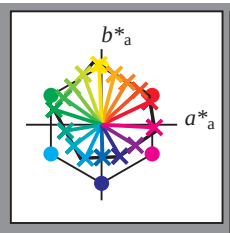
	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*a		
01	37.7	41.8	45.9	50.0	54.1	58.2	62.2	95.0	89.2	83.4	77.7	71.9	66.1	60.3	54.5	48.8	20.0	20.0	20.0	20.0
	-2.4	-10.2	-18.1	-26.0	-33.8	-41.7	-49.6	0.0	7.8	15.6	23.5	31.3	39.1	46.9	54.7	62.5	0.0	0.0	0.0	0.0
	21.0	23.5	25.9	28.4	30.9	33.4	35.9	0.0	4.7	9.5	14.2	19.0	23.7	28.4	33.2	37.9	0.0	0.0	0.0	0.0
02	38.2	42.3	46.4	50.5	54.6	58.7	62.8	90.6	85.6	79.8	74.1	68.3	62.5	56.7	50.9	45.2	29.4	29.4	29.4	29.4
	-1.1	-9.0	-16.9	-24.7	-32.6	-40.5	-48.3	-3.4	0.0	7.8	15.6	23.5	31.3	39.1	46.9	54.7	0.0	0.0	0.0	0.0
	10.5	13.0	15.5	18.0	20.5	23.0	25.4	-5.5	0.0	4.7	9.5	14.2	19.0	23.7	28.4	33.2	0.0	0.0	0.0	0.0
03	38.8	42.8	46.9	51.0	55.1	59.2	63.3	86.1	81.2	76.3	70.5	64.7	58.9	53.1	47.3	41.6	38.8	38.8	38.8	38.8
	0.0	-7.8	-15.6	-23.5	-31.4	-39.2	-47.1	-6.9	-3.4	0.0	7.8	15.6	23.5	31.3	39.1	46.9	0.0	0.0	0.0	0.0
	0.0	2.5	5.0	7.5	10.0	12.5	15.0	-11.0	-5.5	0.0	4.7	9.5	14.2	19.0	23.7	28.4	0.0	0.0	0.0	0.0
04	39.8	43.7	47.8	51.9	56.0	60.0	64.1	81.7	76.8	71.8	66.9	61.1	55.3	49.5	43.8	38.0	48.1	48.1	48.1	48.1
	2.8	-3.4	-11.2	-19.1	-27.0	-34.8	-42.7	-10.3	-6.9	-3.4	0.0	7.8	15.6	23.5	31.3	39.1	0.0	0.0	0.0	0.0
	-5.2	-5.5	-3.0	-0.5	1.9	4.4	6.9	-16.6	-11.0	-5.5	0.0	4.7	9.5	14.2	19.0	23.7	0.0	0.0	0.0	0.0
05	40.8	44.8	48.7	52.7	56.8	60.9	65.0	77.3	72.4	67.4	62.5	57.5	51.7	45.9	40.2	34.4	57.5	57.5	57.5	57.5
	5.7	-0.5	-6.9	-14.7	-22.6	-30.5	-38.3	-13.8	-10.3	-6.9	-3.4	0.0	7.8	15.6	23.5	31.3	0.0	0.0	0.0	0.0
	-10.5	-10.8	-11.0	-8.5	-6.0	-3.5	-1.0	-22.1	-16.6	-11.0	-5.5	0.0	4.7	9.5	14.2	19.0	0.0	0.0	0.0	0.0
06	41.9	45.8	49.7	53.6	57.7	61.8	65.9	72.9	67.9	63.0	58.0	53.1	48.1	42.3	36.6	30.8	66.9	66.9	66.9	66.9
	8.5	2.2	-4.0	-10.3	-18.2	-26.1	-33.9	-17.3	-13.8	-10.3	-6.9	-3.4	0.0	7.8	15.6	23.5	0.0	0.0	0.0	0.0
	-15.8	-16.1	-16.3	-16.6	-14.1	-11.6	-9.1	-27.7	-22.1	-16.6	-11.0	-5.5	0.0	4.7	9.5	14.2	0.0	0.0	0.0	0.0
07	42.9	46.8	50.8	54.7	58.6	62.6	66.7	68.5	63.5	58.6	53.6	48.7	43.7	38.8	33.0	27.2	76.3	76.3	76.3	76.3
	11.4	5.0	-1.2	-7.5	-13.8	-21.7	-29.6	-20.8	-17.3	-13.8	-10.3	-6.9	-3.4	0.0	7.8	15.6	0.0	0.0	0.0	0.0
	-21.1	-21.4	-21.6	-21.9	-22.1	-19.6	-17.1	-33.2	-27.7	-22.1	-16.6	-11.0	-5.5	0.0	4.7	9.5	0.0	0.0	0.0	0.0
08	44.0	47.9	51.8	55.7	59.6	63.5	67.6	64.0	59.1	54.1	49.2	44.2	39.3	34.3	29.4	23.6	85.6	85.6	85.6	85.6
	14.2	7.9	1.6	-4.7	-11.0	-17.3	-25.2	-24.3	-20.8	-17.3	-13.8	-10.3	-6.9	-3.4	0.0	7.8	0.0	0.0	0.0	0.0
	-26.4	-26.7	-26.9	-27.2	-27.4	-27.7	-25.2	-38.8	-33.2	-27.7	-22.1	-16.6	-11.0	-5.5	0.0	4.7	0.0	0.0	0.0	0.0
09	45.0	48.9	52.8	56.7	60.7	64.6	68.5	59.6	54.7	49.7	44.8	39.8	34.9	29.9	25.0	20.0	95.0	95.0	95.0	95.0
	17.0	10.7	4.4	-1.8	-8.2	-14.5	-20.8	-27.8	-24.3	-20.8	-17.3	-13.8	-10.3	-6.9	-3.4	0.0	0.0	0.0	0.0	0.0
	-31.7	-32.0	-32.2	-32.5	-32.7	-33.0	-33.2	-44.3	-38.8	-33.2	-27.7	-22.1	-16.6	-11.0	-5.5	0.0	0.0	0.0	0.0	0.0
10	48.5	53.8	59.1	64.3	68.4	72.5	76.6	95.0	94.5	94.0	93.5	93.0	92.4	91.9	91.4	90.9	20.0	20.0	20.0	20.0
	21.0	11.9	2.9	-6.1	-13.9	-21.8	-29.7	0.0	-1.1	-2.4	-3.6	-4.8	-6.1	-7.3	-8.6	-9.8	0.0	0.0	0.0	0.0
	35.2	40.9	46.7	52.4	54.9	57.4	59.9	0.0	10.5	21.0	31.4	41.9	52.4	62.9	73.4	83.9	0.0	0.0	0.0	0.0
11	49.0	54.3	59.6	64.8	68.9	73.0	77.1	86.7	85.6	85.1	84.6	84.1	83.6	83.1	82.6	82.1	25.0	25.0	25.0	25.0
	22.2	13.2	4.1	-4.8	-12.7	-20.6	-28.4	2.8	0.0	-1.1	-2.4	-3.6	-4.8	-6.1	-7.3	-8.6	0.0	0.0	0.0	0.0
	24.7	30.4	36.2	41.9	44.4	46.9	49.4	-5.2	0.0	10.5	21.0	31.5	41.9	52.4	62.9	73.4	0.0	0.0	0.0	0.0
12	49.5	54.8	60.1	65.3	69.4	73.5	77.6	78.3	77.3	76.3	75.7	75.2	74.7	74.2	73.7	73.2	30.0	30.0	30.0	30.0
	23.5	14.4	5.3	-3.6	-11.5	-19.3	-27.2	5.7	2.8	0.0	-1.1	-2.4	-3.6	-4.8	-6.1	-7.3	0.0	0.0	0.0	0.0
	14.2	20.0	25.7	31.5	33.9	36.4	38.9	-10.5	-5.2	0.0	10.5	21.0	31.5	41.9	52.4	62.9	0.0	0.0	0.0	0.0
13	49.6	55.3	60.6	65.9	69.9	74.0	78.1	70.0	69.0	67.9	66.9	66.4	65.9	65.3	64.8	64.3	35.0	35.0	35.0	35.0
	24.5	15.6	6.6	-2.4	-10.2	-18.1	-26.0	8.5	5.7	2.8	0.0	-1.1	-2.4	-3.6	-4.8	-6.1	0.0	0.0	0.0	0.0
	8.3	9.5	15.2	21.0	23.5	26.0	28.4	-15.8	-10.5	-5.2	0.0	10.5	21.0	31.5	41.9	52.4	0.0	0.0	0.0	0.0
14	49.7	55.4	61.1	66.4	70.5	74.5	78.6	61.7	60.6	59.6	58.5	57.5	57.0	56.5	56.0	55.5	40.0	40.0	40.0	40.0
	25.6	16.7	7.8	-1.1	-9.0	-16.9	-24.7	11.4	8.5	5.7	2.8	0.0	-1.1	-2.4	-3.6	-4.8	0.0	0.0	0.0	0.0
	2.4	3.6	4.7	10.5	13.0	15.5	18.0	-21.1	-15.8	-10.5	-5.2	0.0	10.5	21.0	31.5	41.9	0.0	0.0	0.0	0.0
15	49.8	55.5	61.2	66.9	71.0	75.0	79.1	53.4	52.3	51.3	50.2	49.2	48.1	47.6	47.1	46.6	45.0	45.0	45.0	45.0
	26.7	17.8	8.9	0.0	-7.8	-15.6	-23.5	14.2	11.4	8.5	5.7	2.8	0.0	-1.1	-2.4	-3.6	0.0	0.0	0.0	0.0
	-3.3	-2.2	-1.0	0.0	2.5	5.0	7.5	-26.4	-21.1	-15.8	-10.5	-5.2	0.0	10.5	21.0	31.4	0.0	0.0	0.0	0.0
16	50.9	56.6	62.2	67.9	71.8	75.9	80.0	45.0	44.0	42.9	41.9	40.8	39.8	38.8	38.2	37.7	50.0	50.0	50.0	50.0
	29.5	20.6	11.7	2.8	-3.4	-11.2	-19.1	17.0	14.2	11.4	8.5	5.7	2.8	0.0	-1.1	-2.4	0.0	0.0	0.0	0.0
	-8.7	-7.5	-6.4	-5.2	-5.5	-3.0	-0.5	-31.7	-26.4	-21.1	-15.8	-10.5	-5.2	0.0	10.5	21.0	0.0	0.0	0.0	0.0
17	51.9	57.6	63.3	69.0	72.9	76.8	80.9	36.7	35.7	34.6	33.6	32.5	31.5	30.4	29.4	28.9	55.0	55.0	55.0	55.0
	32.3	23.4	14.6	5.7	-0.5	-6.9	-14.7	19.9	17.0	14.2	11.4	8.5	5.7	2.8	0.0	-1.1	0.0	0.0	0.0	0.0
	-14.0	-12.8	-11.7	-10.5	-10.8	-11.0	-8.5	-37.0	-31.7	-26.4	-21.1	-15.8	-10.5	-5.2	0.0	10.5	0.0	0.0	0.0	0.0
18	53.0	58.7	64.3	70.0	73.9	77.8	81.7	28.4	27.3	26.3	25.3	24.2	23.2	22.1	21.1	20.0	60.0	60.0	60.0	60.0
	35.2	26.3	17.4	8.5	2.2	-4.0	-10.3	22.7	19.9	17.0	14.2	11.4	8.5	5.7	2.8	0.0	0.0	0.0	0.0	0.0
	-19.3	-18.1	-17.0	-15.8	-16.1	-16.3	-16.6	-42.3	-37.0	-31.7	-26.4	-21.1	-15.8	-10.5	-5.2	0.0	0.0	0.0	0.0	0.0
19	59.3	64.6	69.8	75.1	80.4	85.6	90.9	95.0	89.7	84.4	79.1	73.8	68.6	63.3	58.0	52.7	65.0	65.0	65.0	65.0
	44.4	35.4	26.3	17.3	8.2	-0.7	-9.8	0.0	-7.8	-15.6	-23.5	-31.3	-39.2	-47.1	-54.9	-62.8	0.0	0.0	0.0	0.0
	49.4	55.1	60.9	66.6	72.4	78.1	83.9	0.0	2.5	5.0	7.5	10.0	12.5	15.0	17.5	19.9	0.0	0.0	0.0	0.0
20	59.8	65.1	70.3	75.6	80.9	86.2	91.4	89.3	85.6	80.3	75.0	69.8	64.5	59.2	53.9	48.6	70.0	70.0	70.0	70.0
	45.7	36.6	27.6	18.5	9.4	0.4	-8.6	8.9	0.0	-7.8	-15.6	-23.5	-31.4	-39.2	-47.1	-54.9	0.0	0.0	0.0	0.0
	38.9	44.7	50.4	56.2	61.9	67.6	73.4	-1.0	0.0	2.5	5.0	7.5	10.0	12.5	15.0	17.5	0.0	0.0	0.0	0.0
21	60.3	65.6	70.9	76.1	81.4	86.7	91.9	83.6	79.9	76.3	71.0	65.7	60.4	55.1	49.8	44.5	75.0	75.0	75.0	75.0
	46.9	37.9	28.8	19.7	10.7	1.6	-7.3	17.8	8.9	0.0	-7.8	-15.6	-23.5	-31.4	-39.2	-47.1	0.0	0.0	0.0	0.0
	28.4	34.2	39.9	45.7	51.4	57.2	62.9	-2.2	-1.0	0.0	2.5	5.0	7.5	10.0	12.5	15.0	0.0	0.0	0.0	0.0
22	60.4	66.1	71.4	76.6	81.9	87.2	92.4	78.0	74.3	70.6	66.9	61.6	56.3	51.0	45.7	40.4	80.0	80.0	80.0	80.0
	48.0	39.1	30.0	21.0	11.9	2.9	-6.1	26.6	17.8	8.9	0.0	-7.8	-15.6	-23.5	-31.4	-39.2	0.0	0.0	0.0	0.0
	22.5	23.7	29.4	35.2	40.9	46.7	52.4	-3.3	-2.2	-1.0	0.0	2.5	5.0	7.5	10.0	12.5	0.0	0.0	0.0	0.0
23	60.5	66.2	71.9	77.1	82.4	87.7	93.0	72.3	68.6	64.9	61.2	57.5	52.2	46.9	41.6	36.3	85.0	85.0	85.0	85.0
	49.0	40.2	31.3	22.2	13.2	4.1	-4.8	35.5	26.7	17.8	8.9	0.0	-7.8	-15.6	-23.5	-31.3	0.0	0.0	0.0	0.0
	16.7	17.8	19.0	24.7	30.4	36.2	41.9	-4.5	-3.3	-2.2	-1.0	0.0	2.5	5.0	7.5	10.0	0.0	0.0	0.0	0.0
24	60.6	66.3	72.0	77.7	82.9	88.2	93.5	66.6	62.9	59.2	55.5	51.8	48.1	42.8	37.5	32.3	90.0	90.0	90.0	90.0
	50.1	41.2	32.3	23.5	14.4	5.3	-3.6	44.4	35.5	26.7	17.8	8.9	0.0	-7.8	-15.6	-23.5	0.0	0.0	0.0	0.0
	10.8	11.9	13.1	14.2	20.0	25.7	31.4	-5.6	-4.5	-3.3	-2.2	-1.0	0.0	2.5	5.0	7.5	0.0	0.0	0.0	0.0
25	60.7	66.4	72.1	77.8	83.4	88.7	94.0	60.9	57.2	53.5	49.8	46.1	42.4	38.8	33.5	28.2	95.0	95.0	95.0	95.0
	51.2	42.3	33.4	24.5	15.6	6.6	-2.4	53.3	44.4	35.5	26.7	17.8	8.9	0.0	-7.8	-15.6	0.0	0.0	0.0	0.0
	4.9	6.0	7.2	8.3	9.5	15.2	21.0	-6.8	-5.6	-4.5	-3.3	-2.2	-1.0	0.0	2.5	5.0	0.0	0.0	0.0	0.0
26	60.8	66.5	72.2	77.9	83.5	89.2	94.5	55.3	51.6	47.9	44.2	40.5	36.8	33.1	29.4	24.1	20.0	48.8	90.9	52.7
	52.2	43.4	34.5	25.6	16.7	7.8	-1.1	62.2	53.3	44.4	35.5	26.7	17.8	8.9	0.0	-7.8	0.0	62.5	-9.8	-62.8
	-0.9	0.1	1.3	2.4	3.6	4.7	10.5	-7.9	-6.8	-5.6	-4.5	-3.3	-2.2	-1.0	0.0	2.5	0.0	37.9	83.9	19.9
27	60.9	66.6	72.3	78.0	83.6	89.3	95.0	49.6	45.9	42.2	38.5	34.8	31.1	27.4	23.7	20.0	95.0	59.6	28.4	49.6
	53.3	44.4	35.5	26.6	17.8	8.9	0.0	71.1	62.2	53.3	44.4	35.5	26.6	17.8	8.9	0.0	0.0	-27.8	22.7	71.1
	-6.8	-5.6	-4.5	-3.3	-2.2	-1.0	0.0	-9.1	-7.9	-6.8	-5.6	-4.5	-3.3	-2.2	-1.0	0.0	0.0	-44.3	-42.3	-9.1

BAM registration: 20080701-De99/10L/L99E00NA.PS/ .TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
lab*tch* **and** ***lab*icu****
elementary hue text:
u* **= 16 hues** ***r00j, r25j, ..., b75r***
contrast reduction factor:
c_R = 0.96

ORS20_95a; adapted (a) CIELAB data

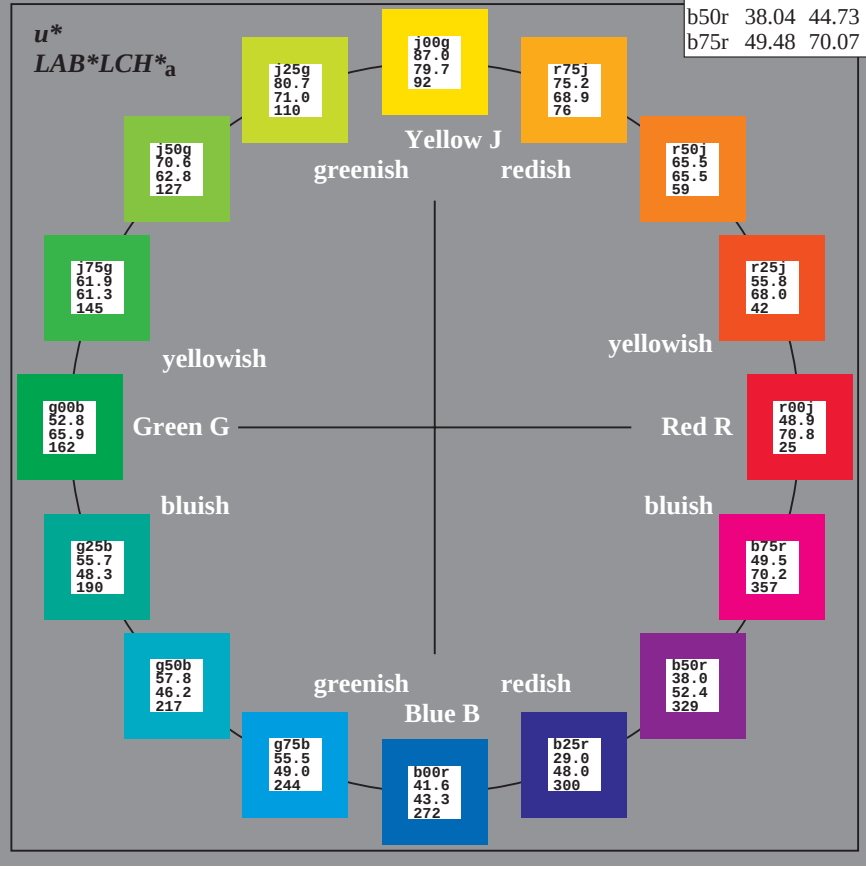
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

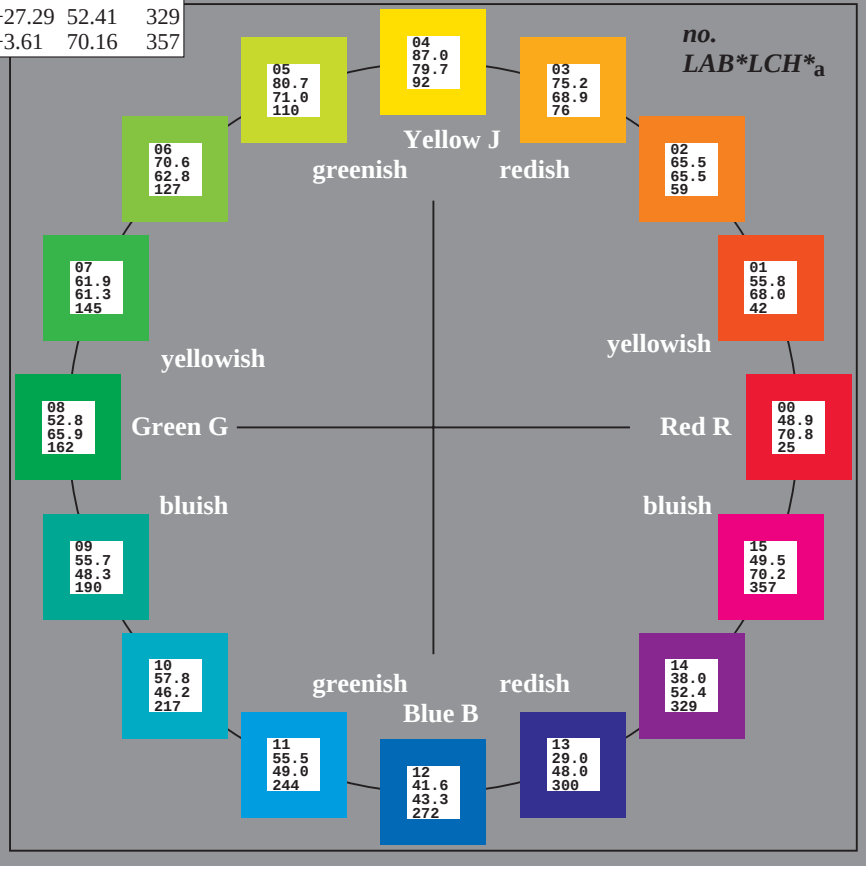


%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

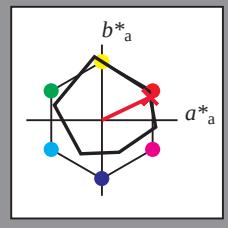
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	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 ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

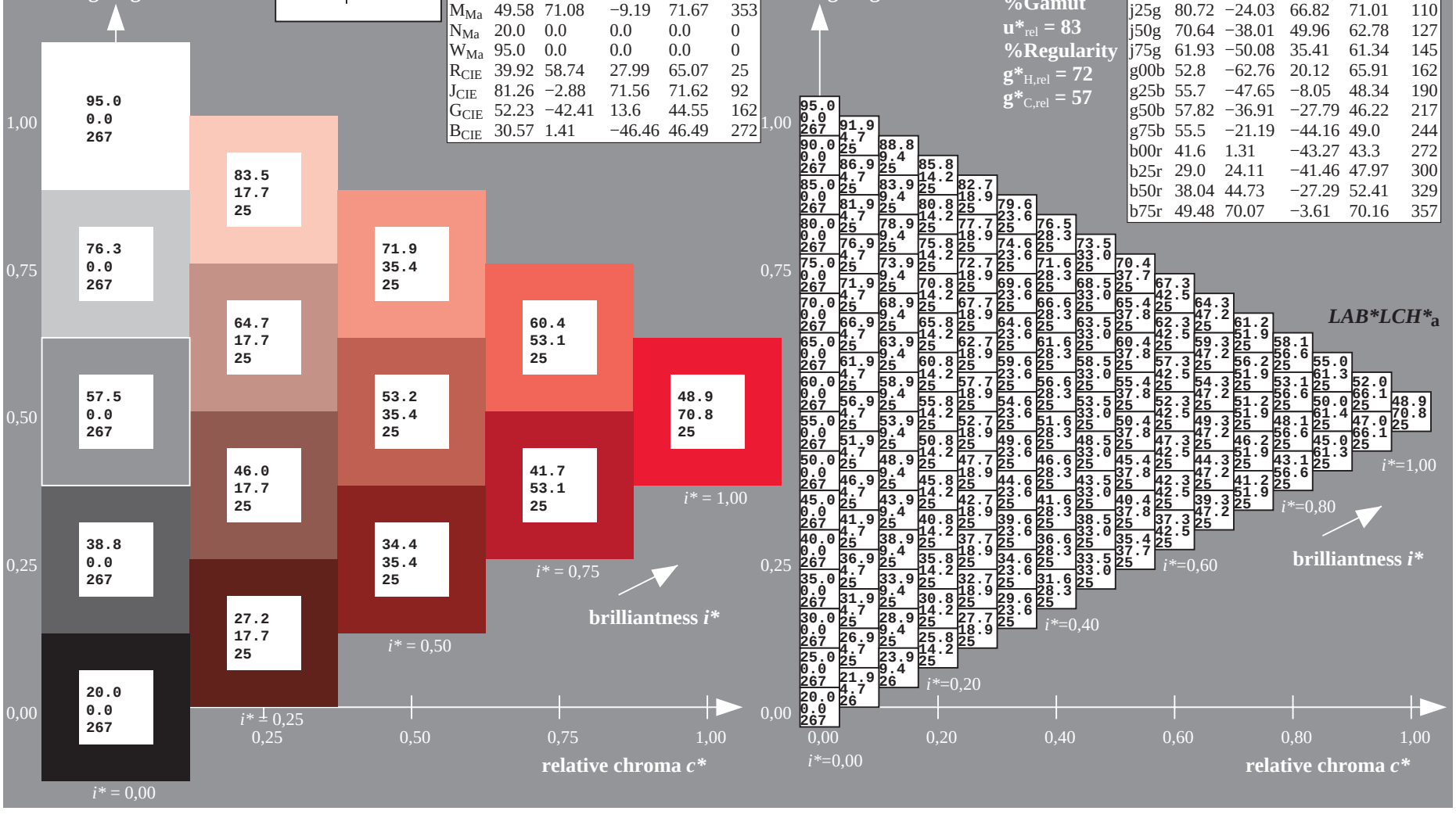
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 49 64 30**
***LAB*LCH**Ma*: 49 71 25**
***lab*rgb**Ma*: 1.0 0.0 0.0**
***lab*olv**Ma*: 1.0 0.0 0.16**
triangle lightness *t**

***u** = r00j*
LAB*LCH**a

ORS20_95a; adapted (a) CIELAB data

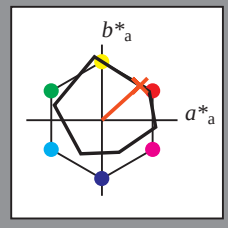
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

%Gamut
***u**rel* = 83**
%Regularity
***g**H,rel* = 72**
***g**C,rel* = 57**



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

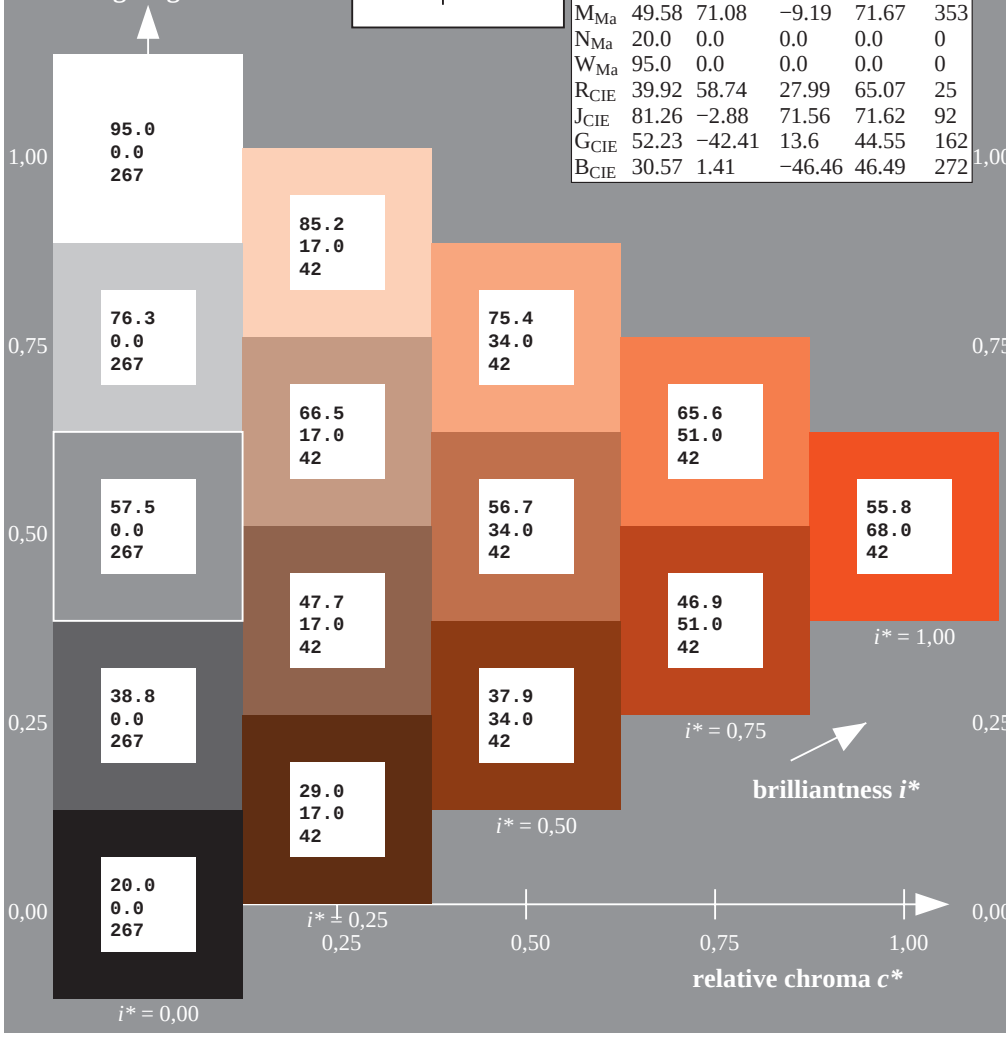
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 56 50 46**
***LAB*LCH**Ma*: 56 68 42**
***lab*rgb**Ma*: 1.0 0.25 0.0**
***lab*olv**Ma*: 1.0 0.17 0.0**
triangle lightness *t**

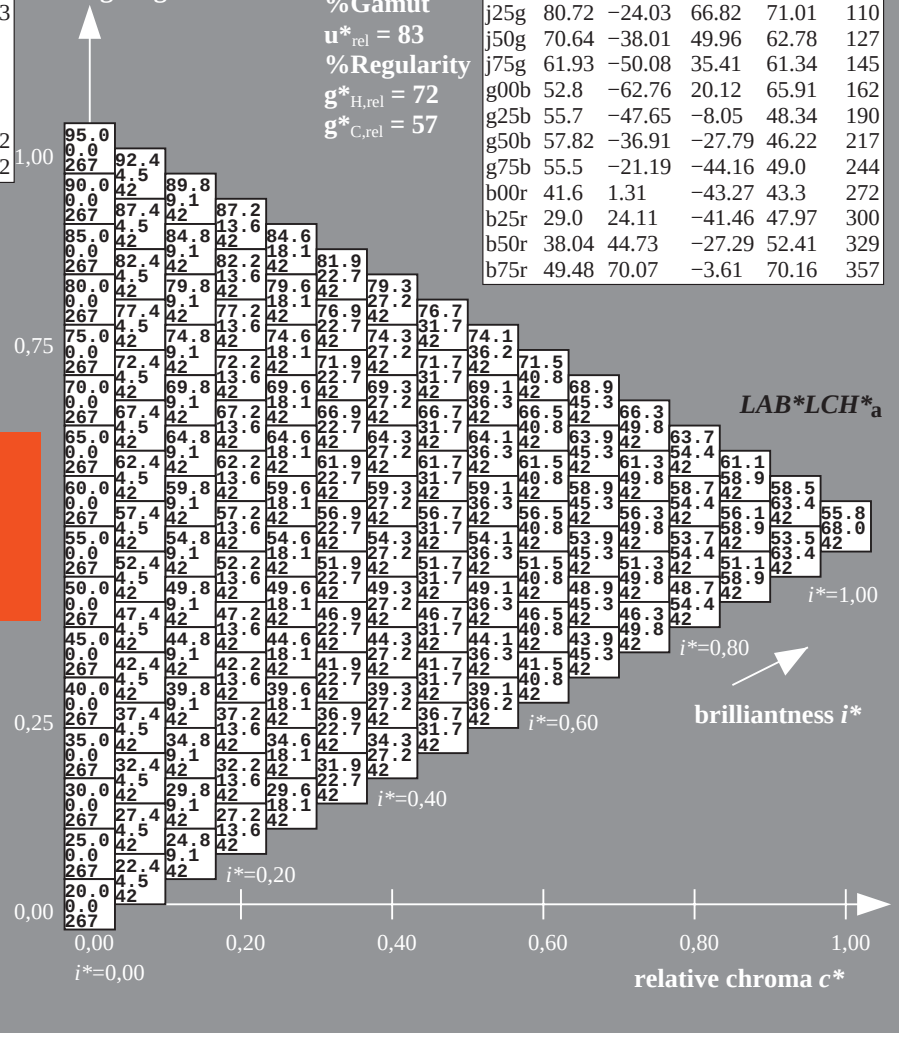
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = r25j
LAB*LCH**a

ORS20_95a; adapted (a) CIELAB data

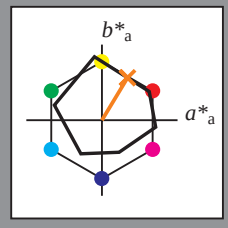
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

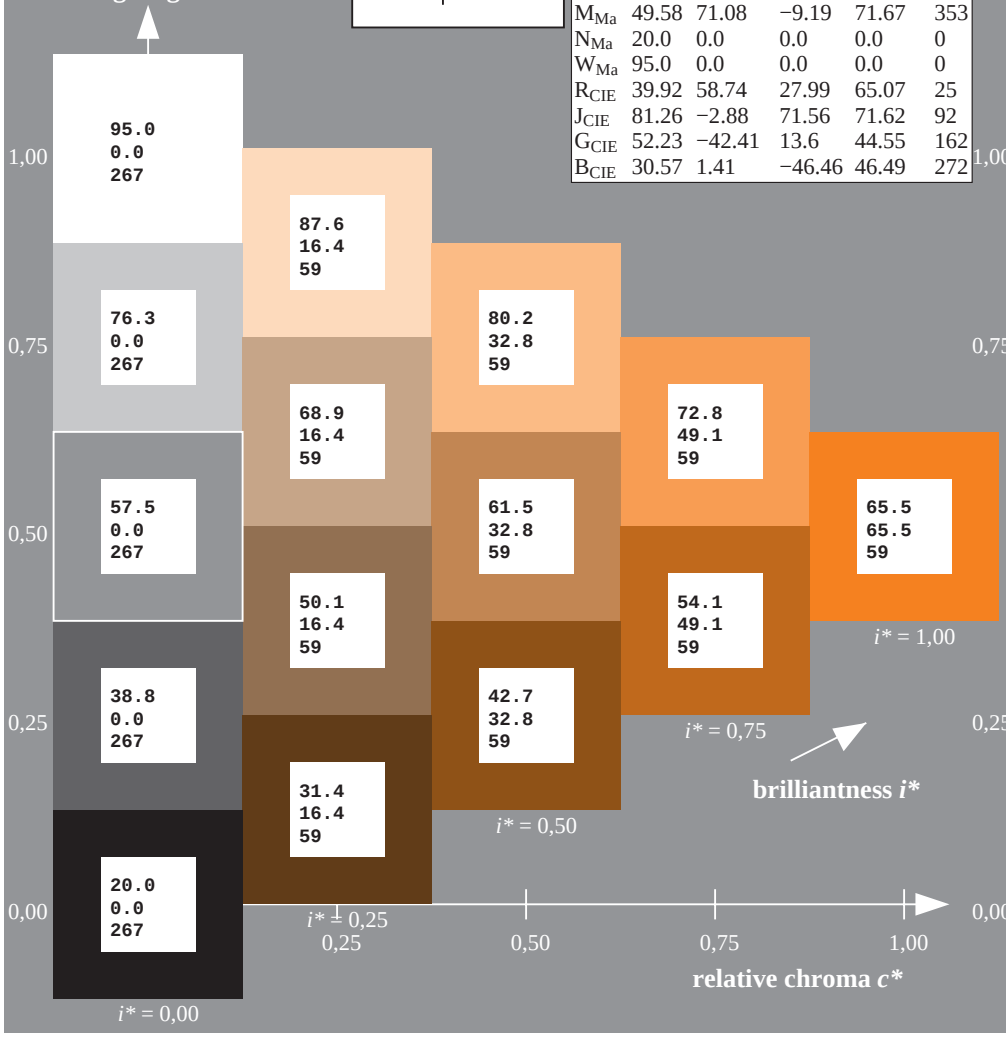
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 65 34 56**
***LAB*LCH**Ma*: 65 66 59**
***lab*rgb**Ma*: 1.0 0.5 0.0**
***lab*olv**Ma*: 1.0 0.4 0.0**
triangle lightness *t**

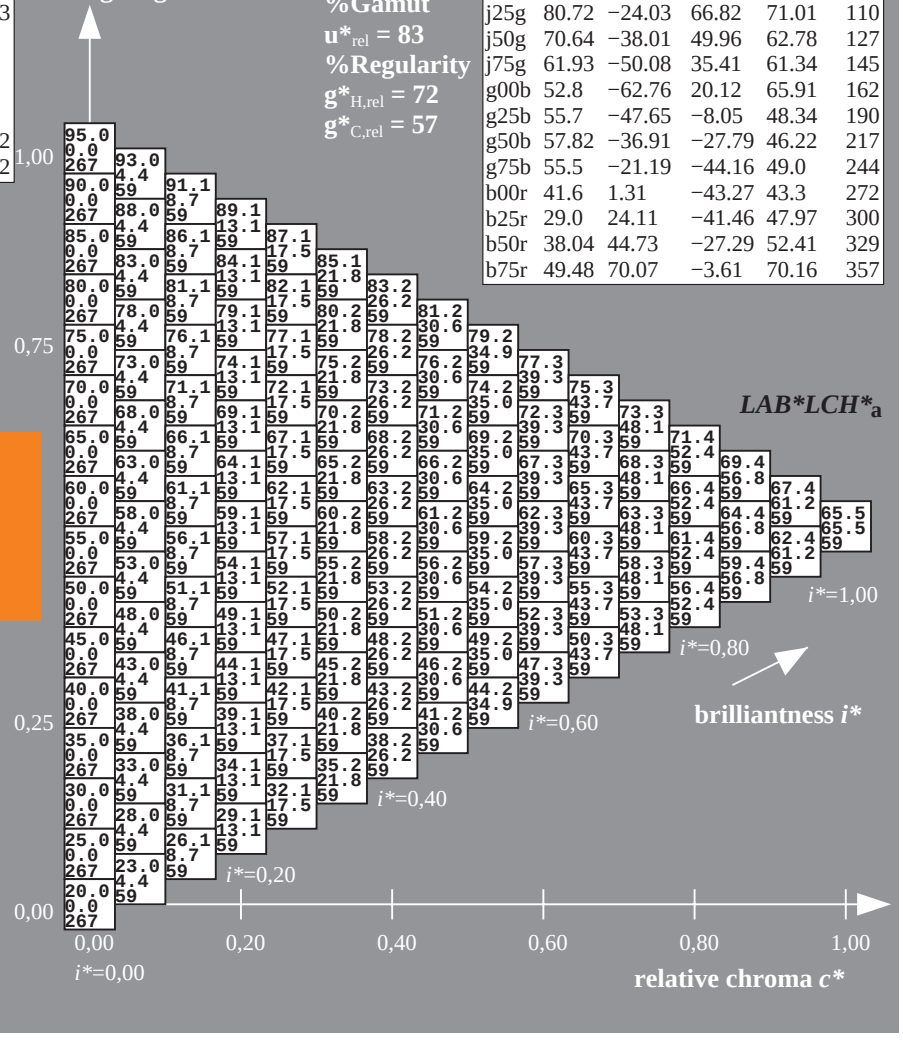
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = r50j
LAB*LCH**a

ORS20_95a; adapted (a) CIELAB data

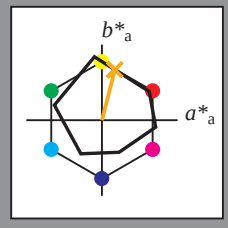
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

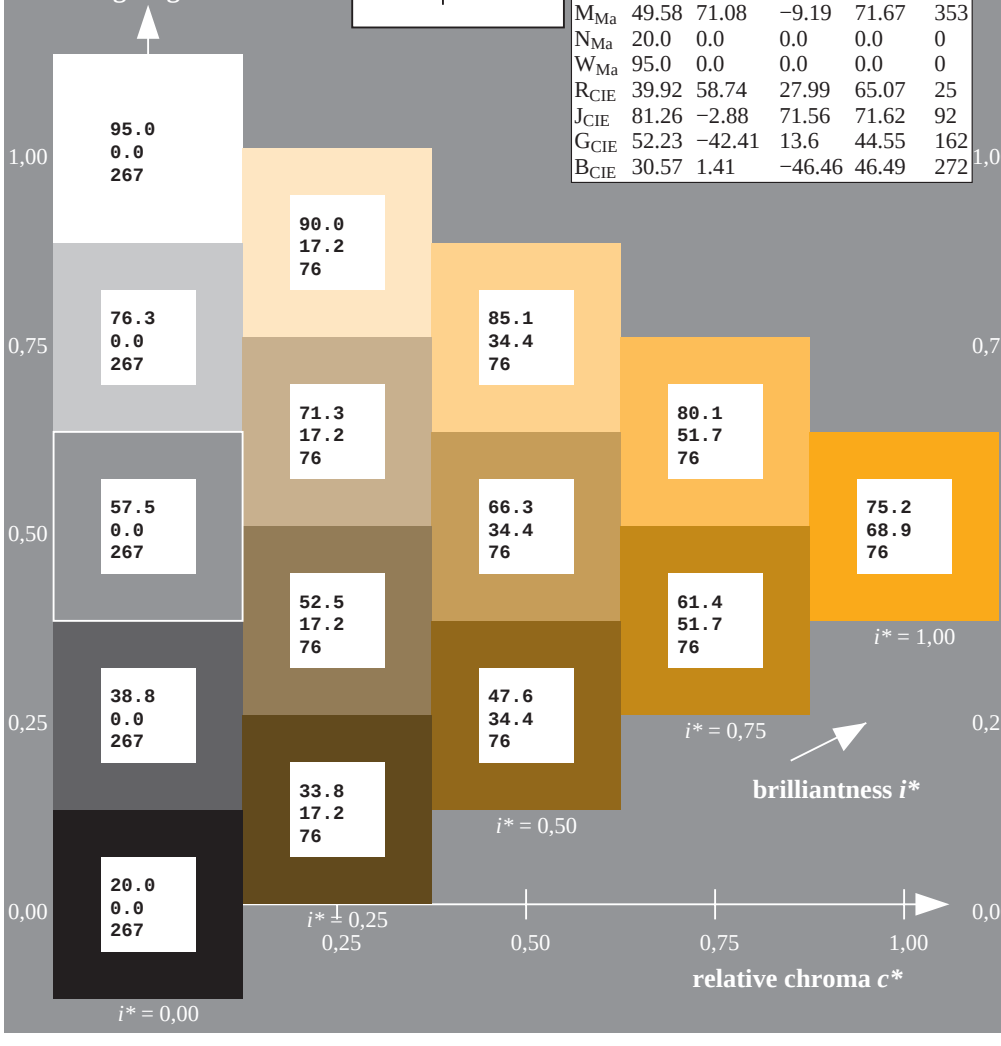
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 75 17 67**
***LAB*LCH**Ma*: 75 69 76**
***lab*rgb**Ma*: 1.0 0.75 0.0**
***lab*olv**Ma*: 1.0 0.63 0.0**
triangle lightness *t**

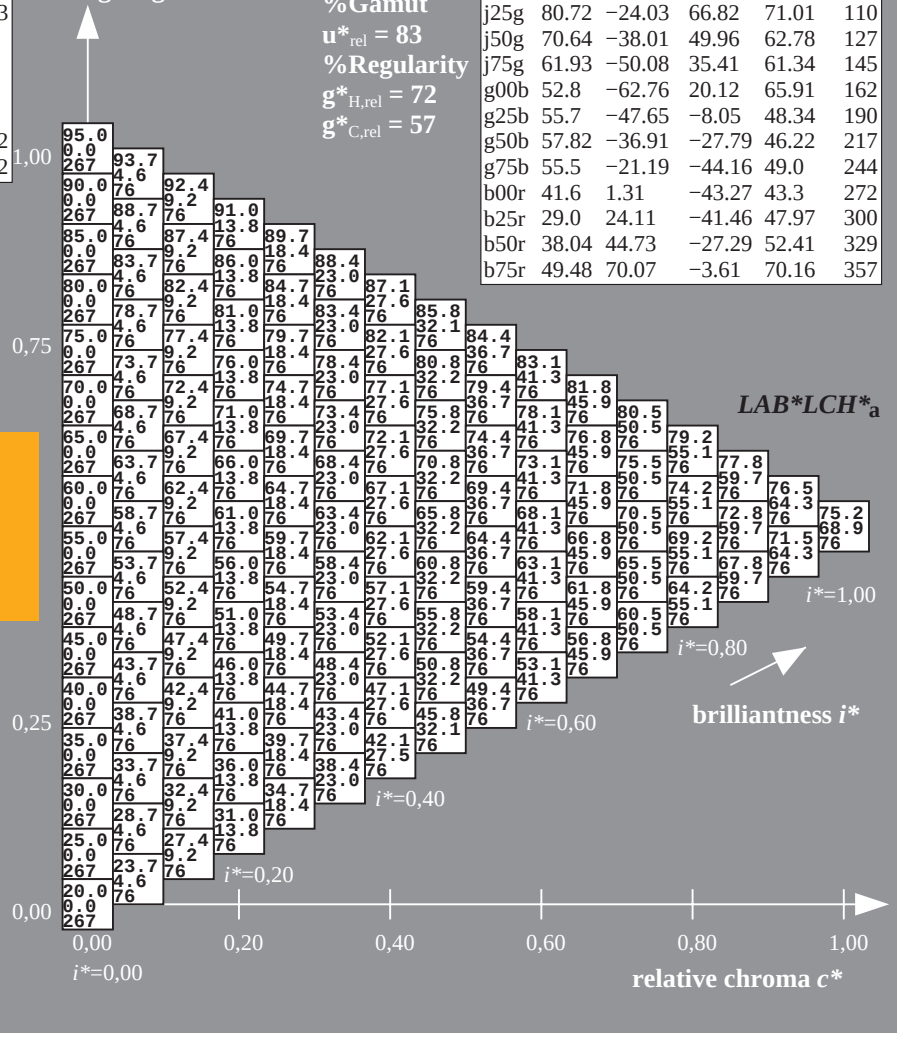
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = r75j
LAB*LCH**a

ORS20_95a; adapted (a) CIELAB data

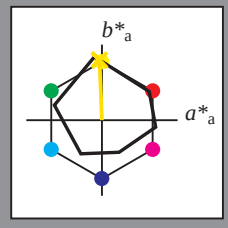
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

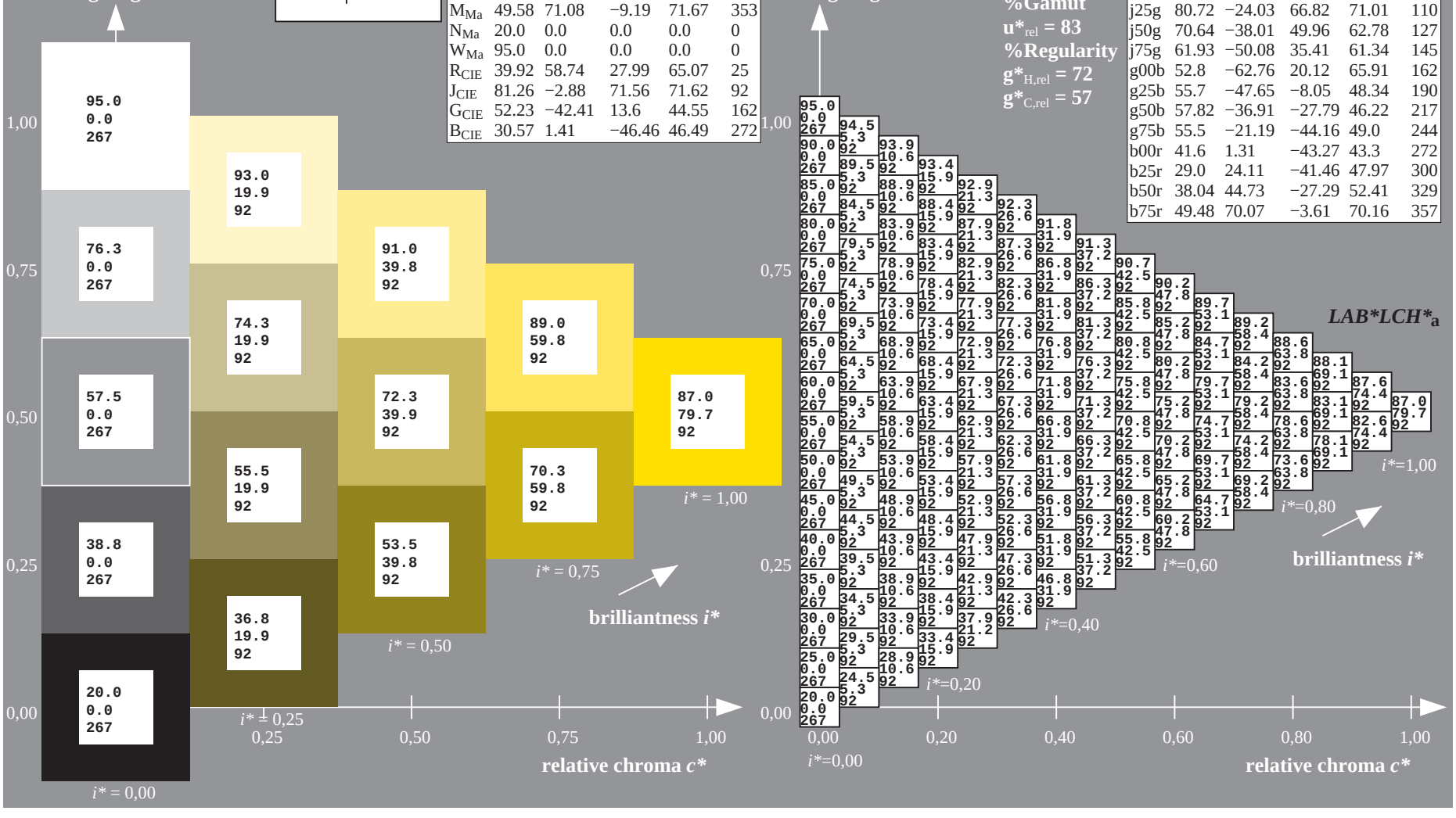
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 87 −2 80**
***LAB*LCH**$_{Ma}$: 87 80 92**
***lab*rgb**$_{Ma}$: 1.0 1.0 0.0**
***lab*olv**$_{Ma}$: 1.0 0.91 0.0**
triangle lightness *t**

%Gamut
u*$_{rel}$ = 83
%Regularity
g*$_{H,rel}$ = 72
g*$_{C,rel}$ = 57

u** = j00g
***LAB*LCH**$_a$**

ORS20_95a; adapted (a) CIELAB data

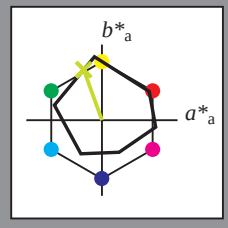
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

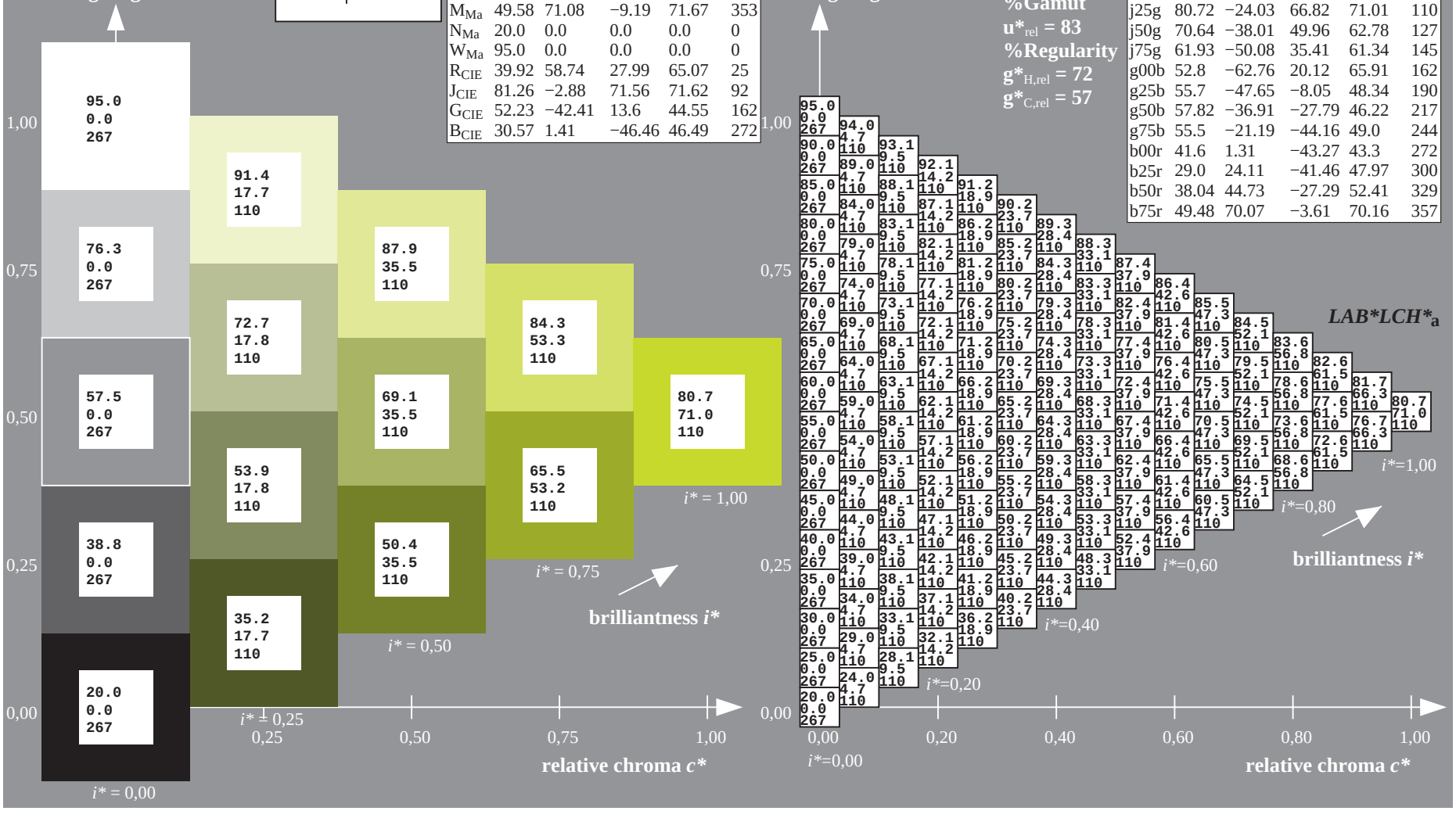
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	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 −23 67
LAB*LCH**Ma: 81 71 110
lab*rgb**Ma: 0.75 1.0 0.0
lab*olv**Ma: 0.73 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

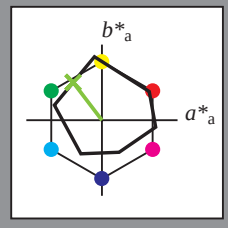
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 127/360 = 0.354**

u* = j50g
LAB*LCH*a

data for any colour:
lab*tch* **and** ***lab*icu****
elementary hue text:
u* = j50g
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

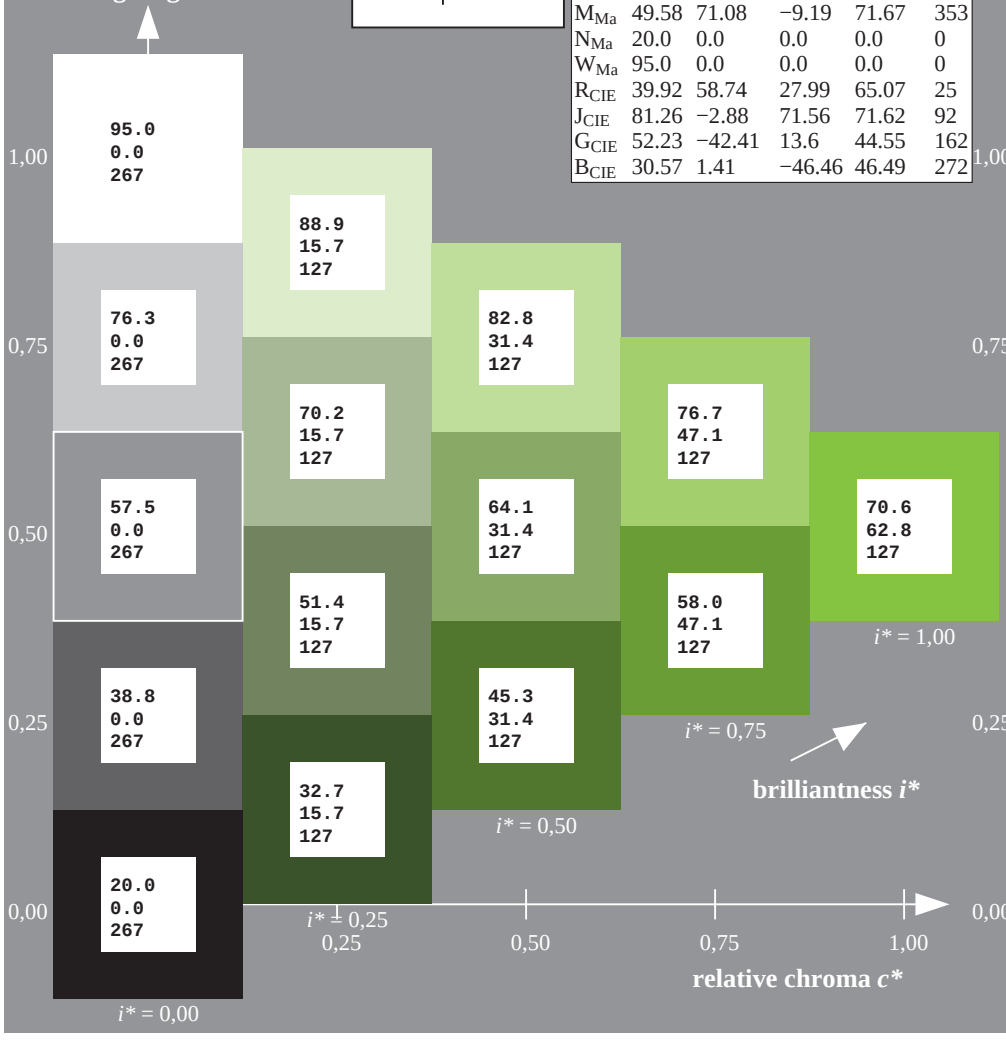
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

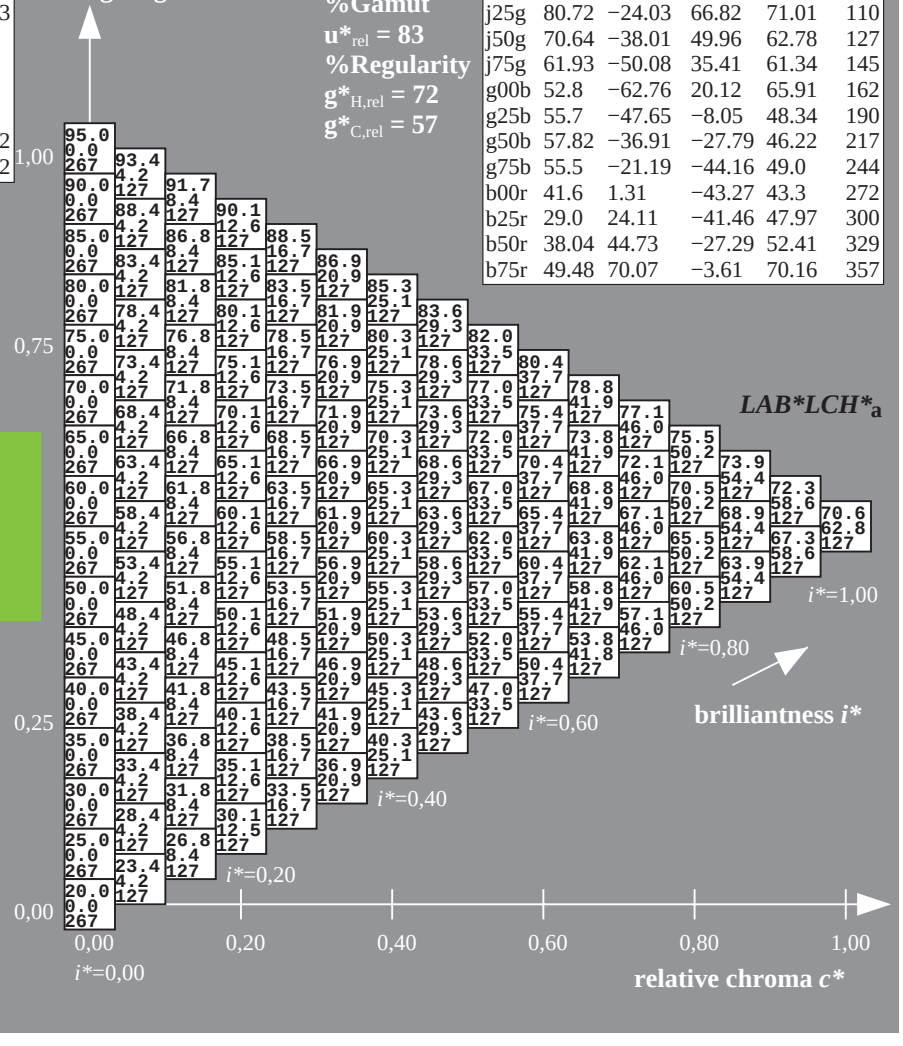
Data for maximum colour (Ma):
LAB*LAB*Ma**: 71 −37 50*
LAB*LCH*Ma**: 71 63 127*
lab*rgb*Ma**: 0.5 1.0 0.0*
lab*olv*Ma**: 0.47 1.0 0.0*
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

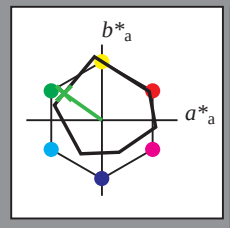
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

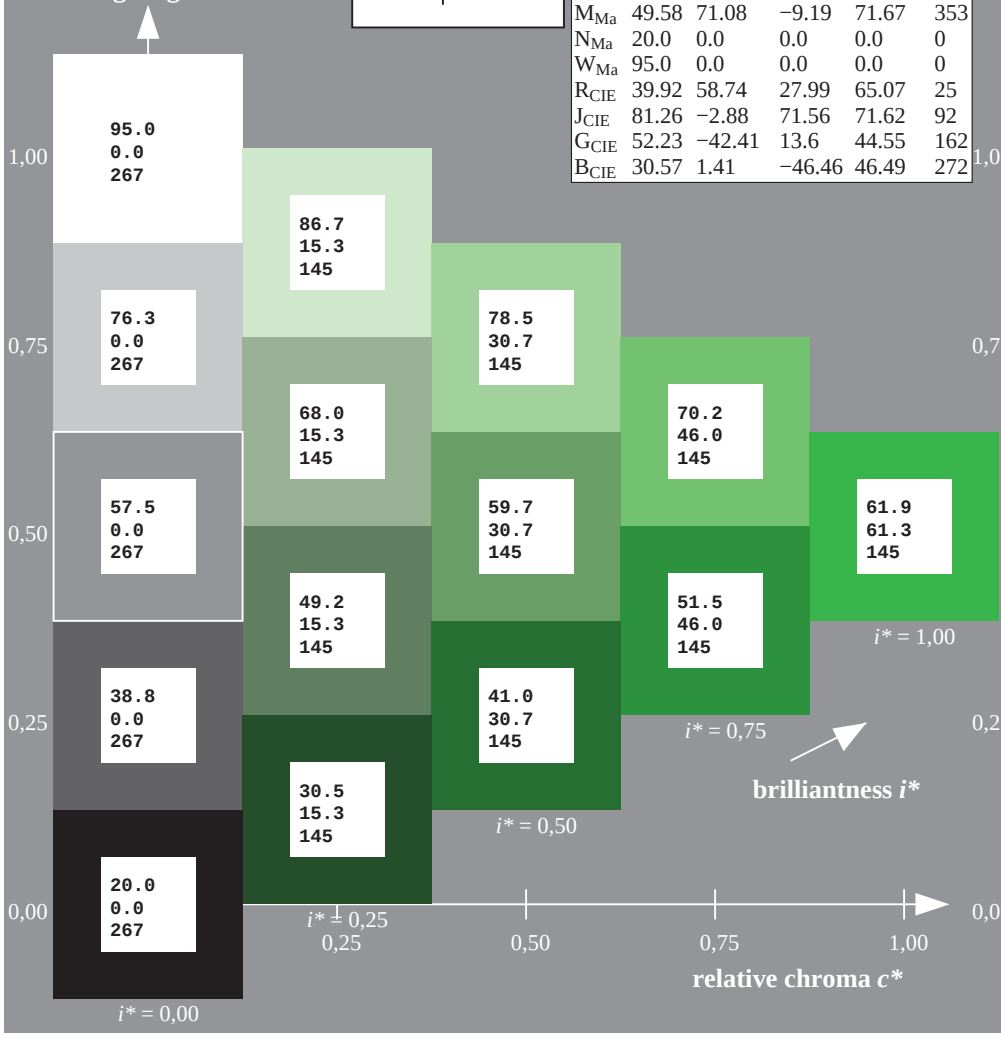
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 62 −49 35**
***LAB*LCH**$_{Ma}$: 62 61 145**
***lab*rgb**$_{Ma}$: 0.25 1.0 0.0**
***lab*olv**$_{Ma}$: 0.24 1.0 0.0**
triangle lightness *t**

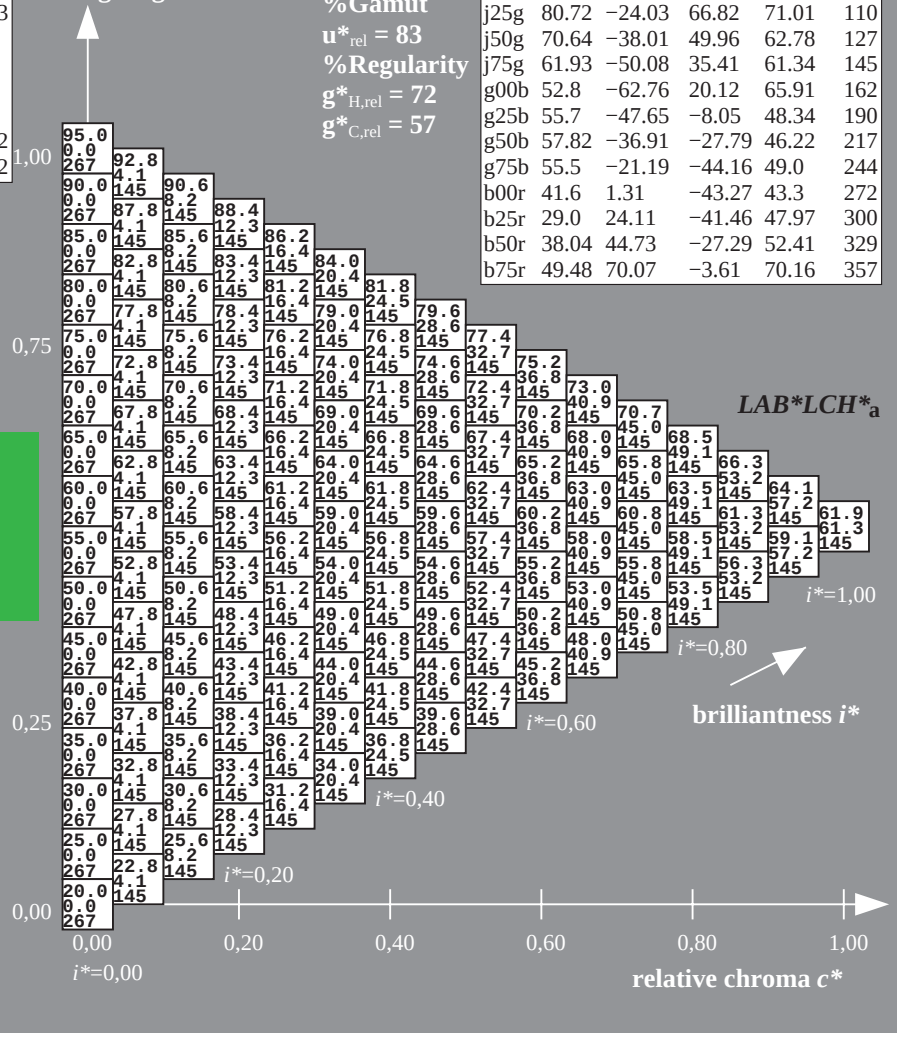
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = j75g
***LAB*LCH**$_a$**

ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

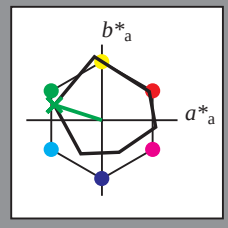




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

u = g00b*
*LAB*LCH*a*

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
u = g00b*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

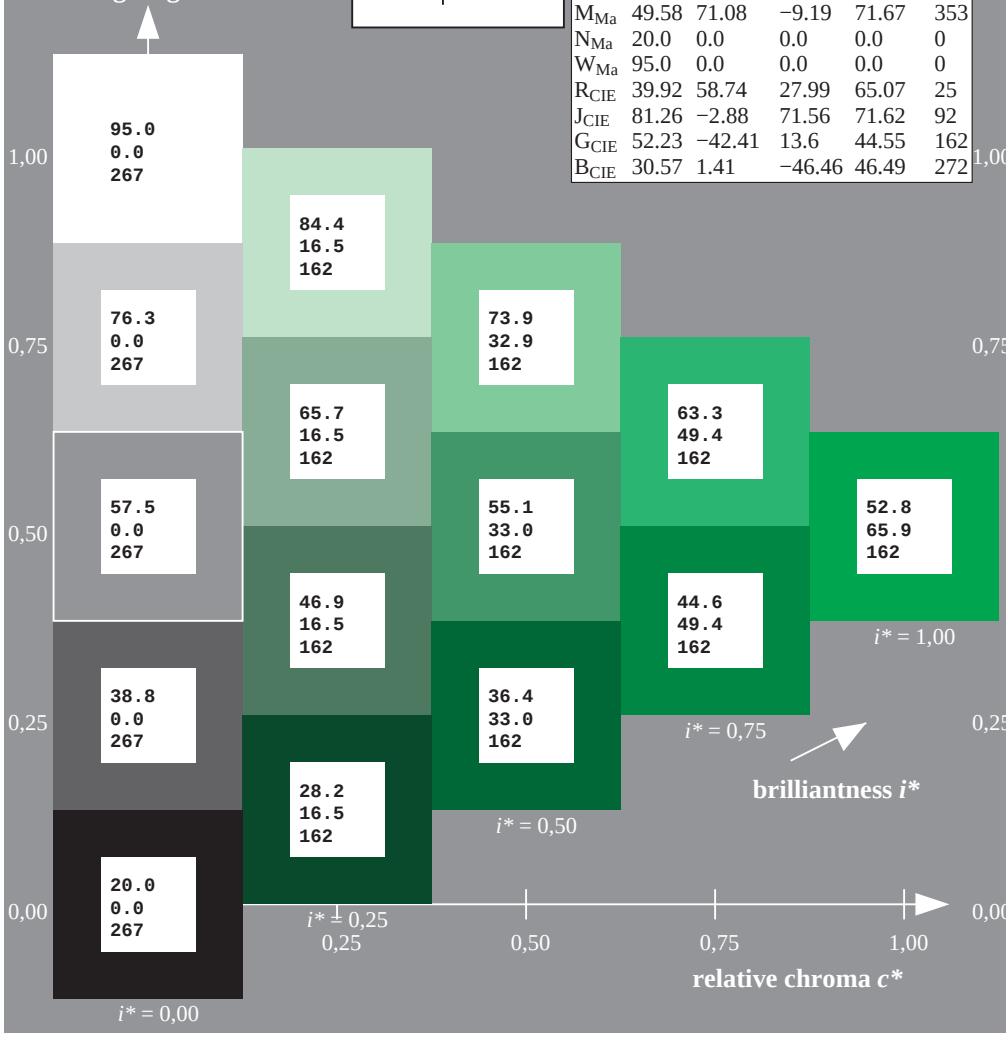
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

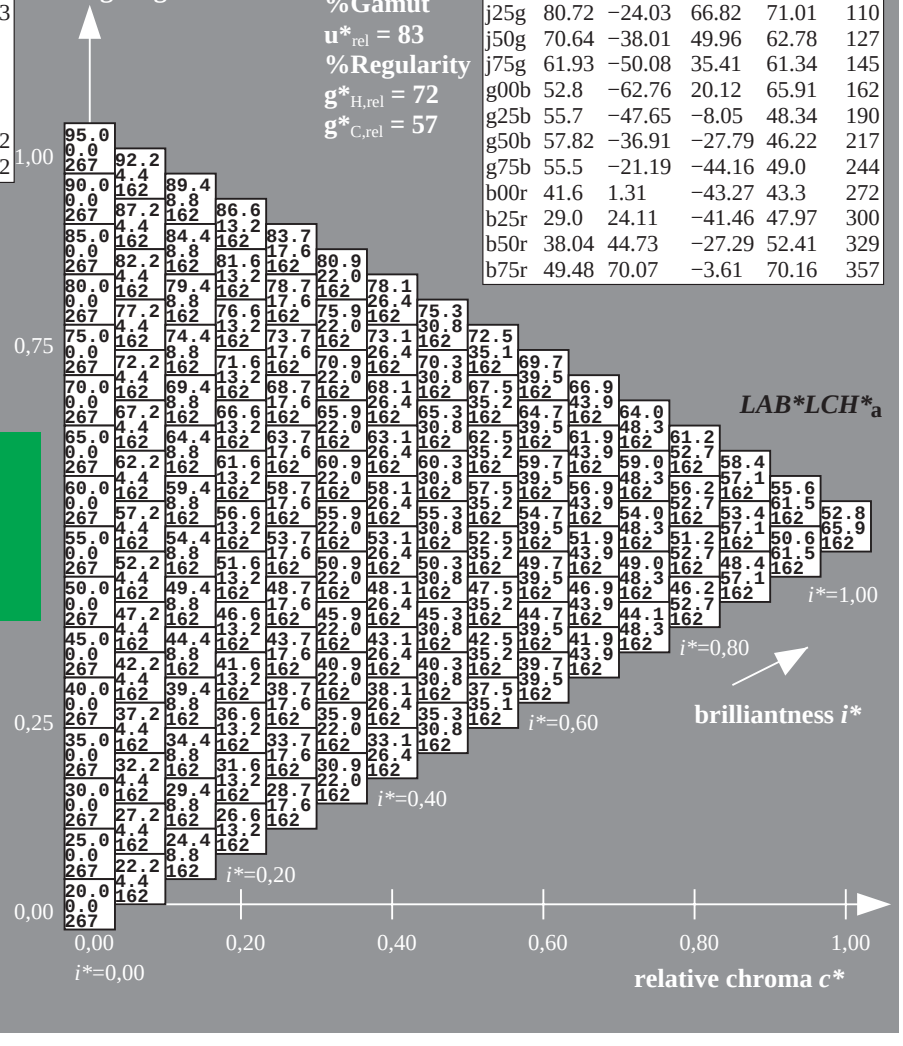
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 53 −62 20
*LAB*LCH**$_{Ma}$: 53 66 162
*lab*rgb**$_{Ma}$: 0.0 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.0
triangle lightness *t**

%Gamut
$u^*_{rel} = 83$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

ORS20_95a; adapted (a) CIELAB data

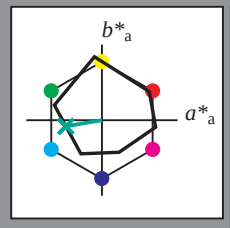
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

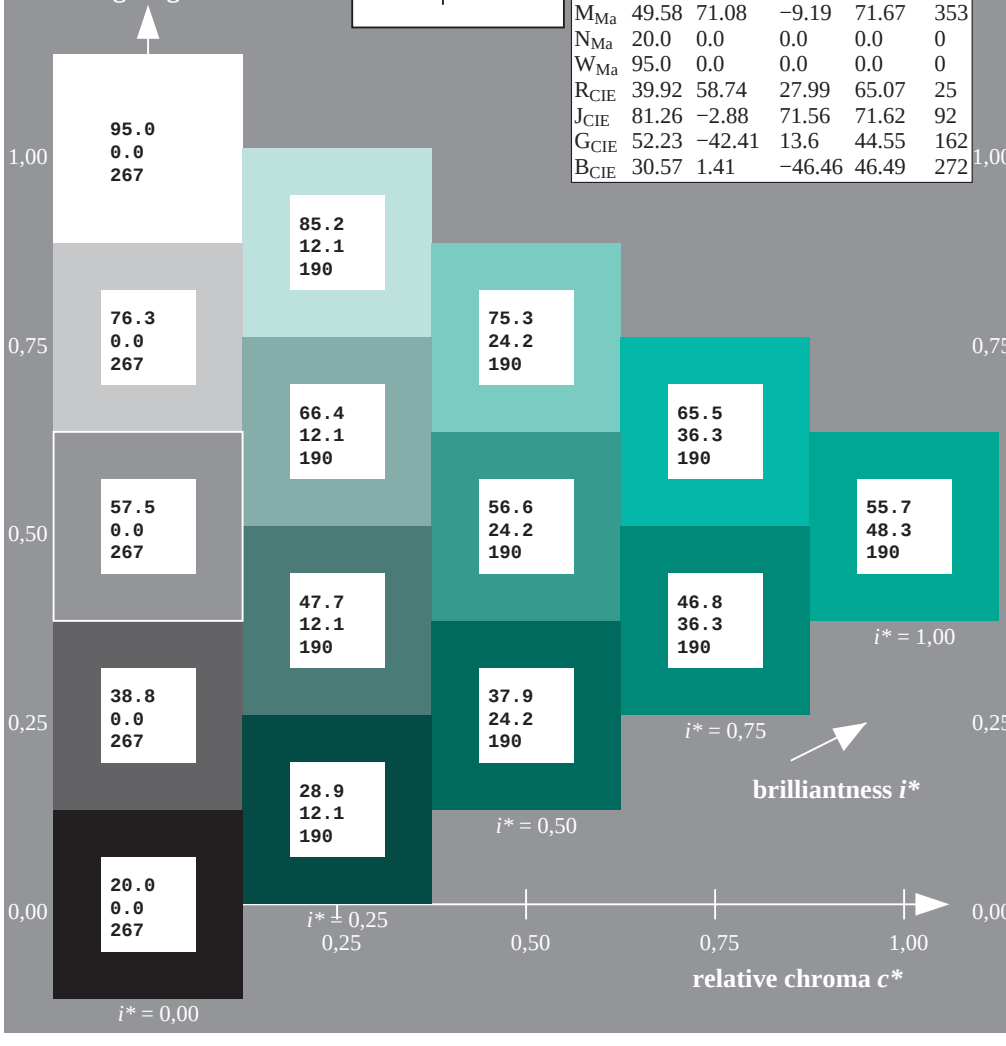
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 56 −47 −7**
***LAB*LCH**Ma*: 56 48 190**
***lab*rgb**Ma*: 0.0 1.0 0.5**
***lab*olv**Ma*: 0.0 1.0 0.44**
triangle lightness *t**

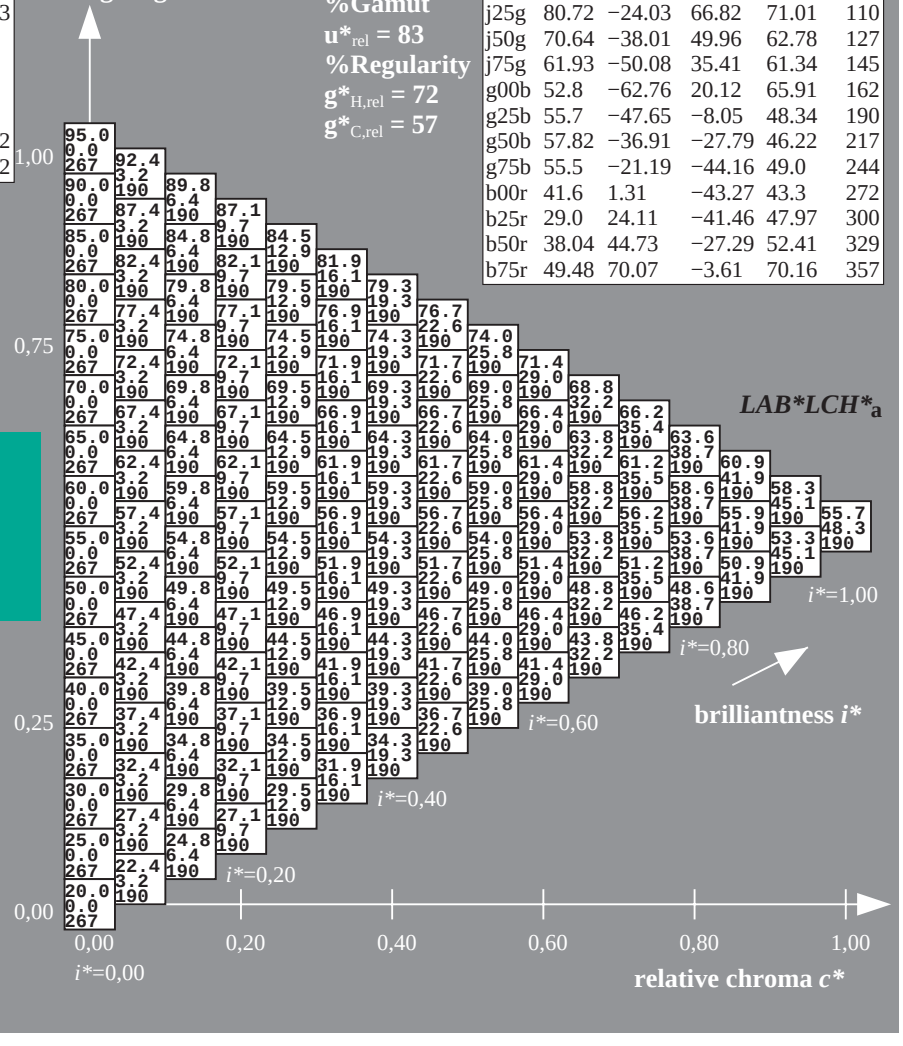
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = g25b
LAB*LCH**a

ORS20_95a; adapted (a) CIELAB data

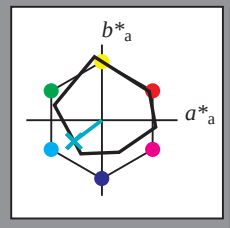
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	L=L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

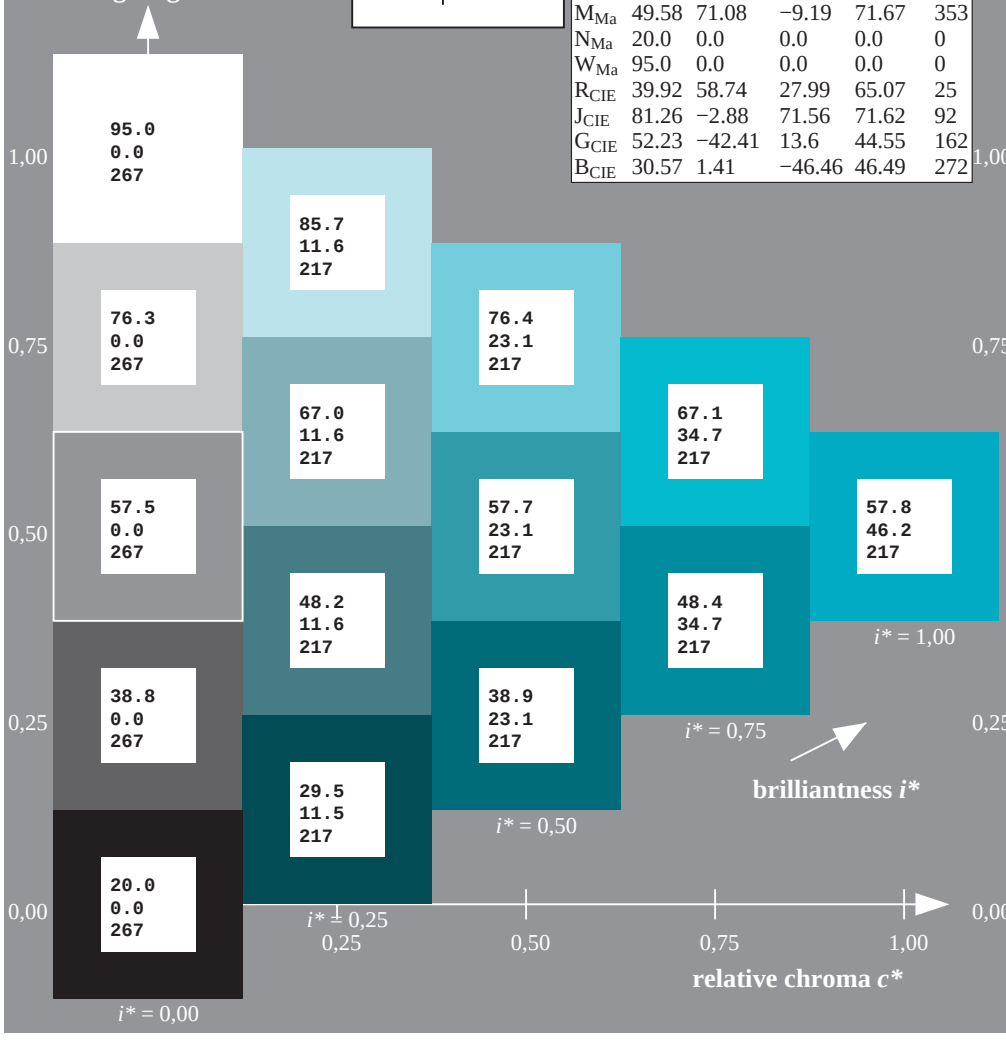
Data for maximum colour (Ma):
LAB*LAB*Ma: 58 −36 −27**
LAB*LCH*Ma: 58 46 217**
lab*rgb*Ma: 0.0 1.0 1.0**
lab*olv*Ma: 0.0 1.0 0.74**
triangle lightness *t**

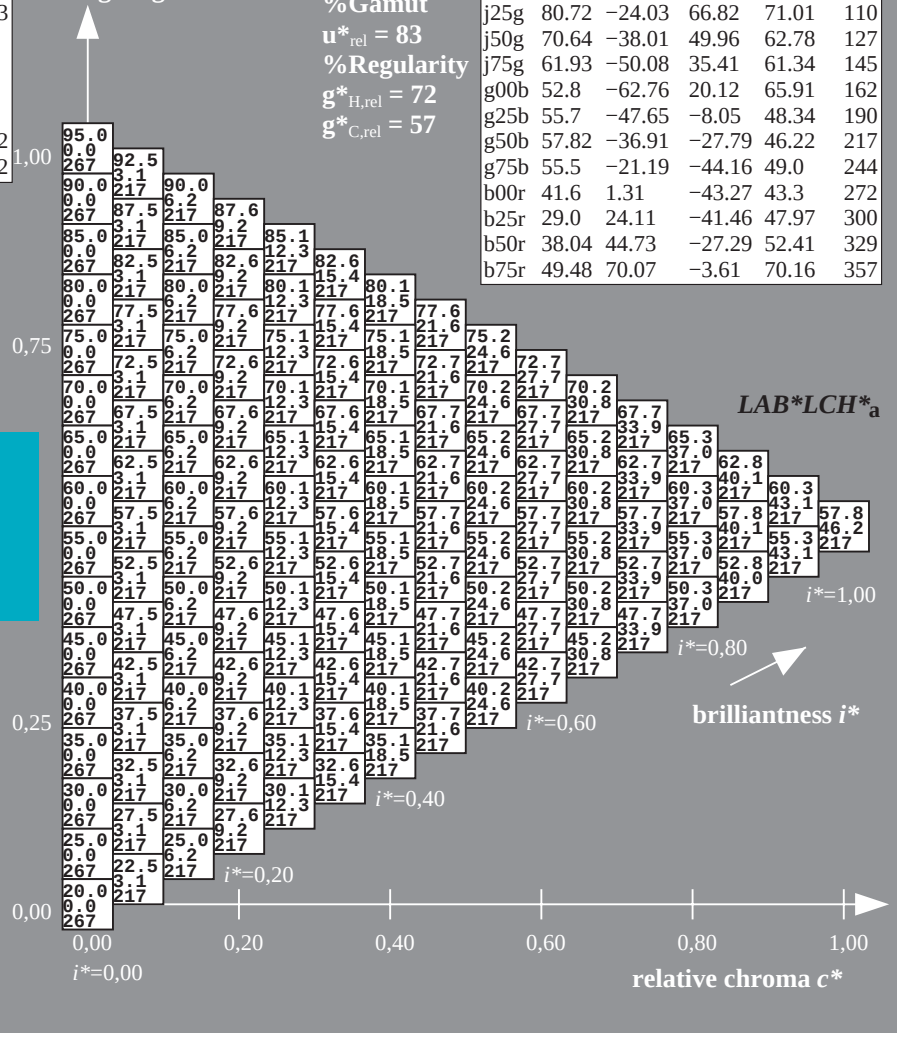
u* = g50b
LAB*LCH*a**

ORS20_95a; adapted (a) CIELAB data

	L=L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	49.48	70.07	−3.61	70.16	357

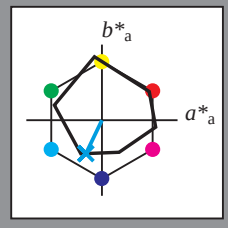
%Gamut
u*$_{rel}$ = 83**
%Regularity
g*$_{H,rel}$ = 72**
g*$_{C,rel}$ = 57**





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

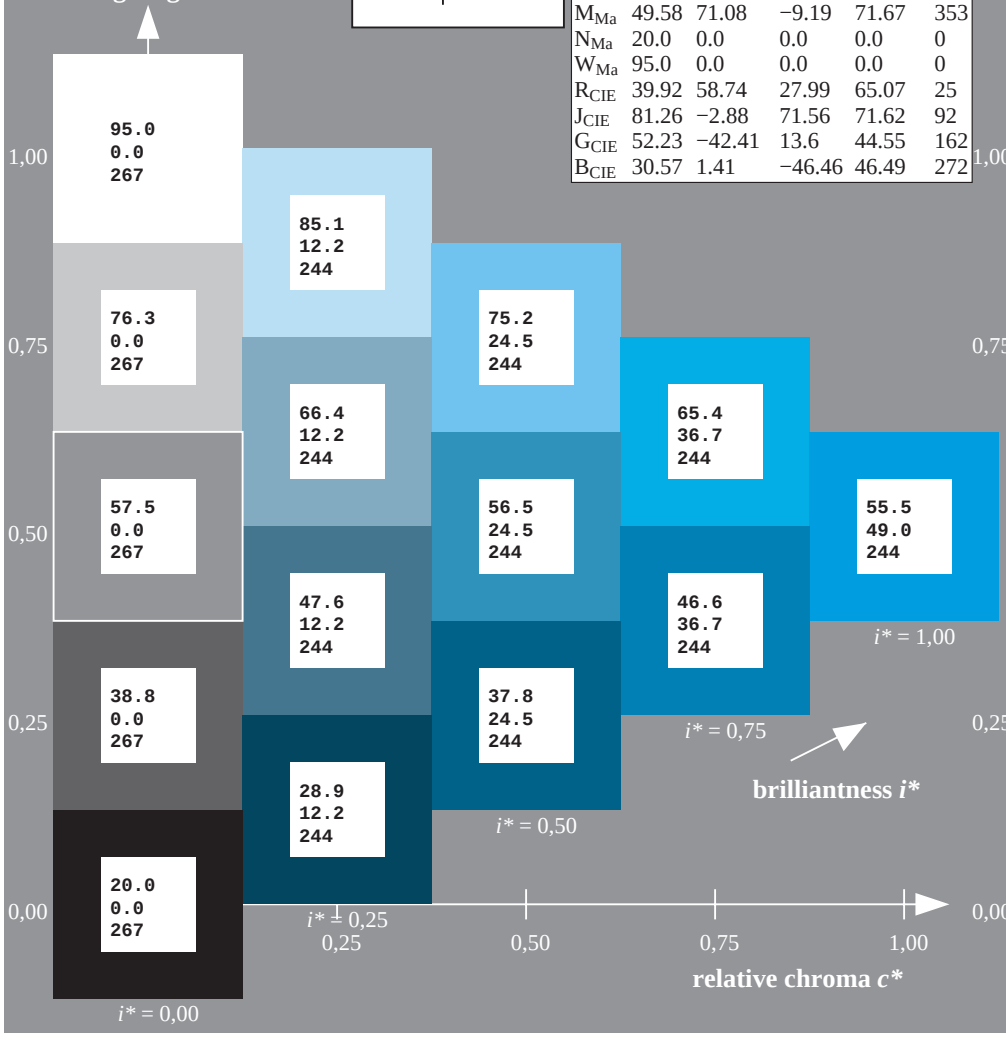
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 55 −20 −43**
***LAB*LCH**Ma*: 55 49 244**
***lab*rgb**Ma*: 0.0 0.5 1.0**
***lab*olv**Ma*: 0.0 0.87 1.0**
triangle lightness *t**

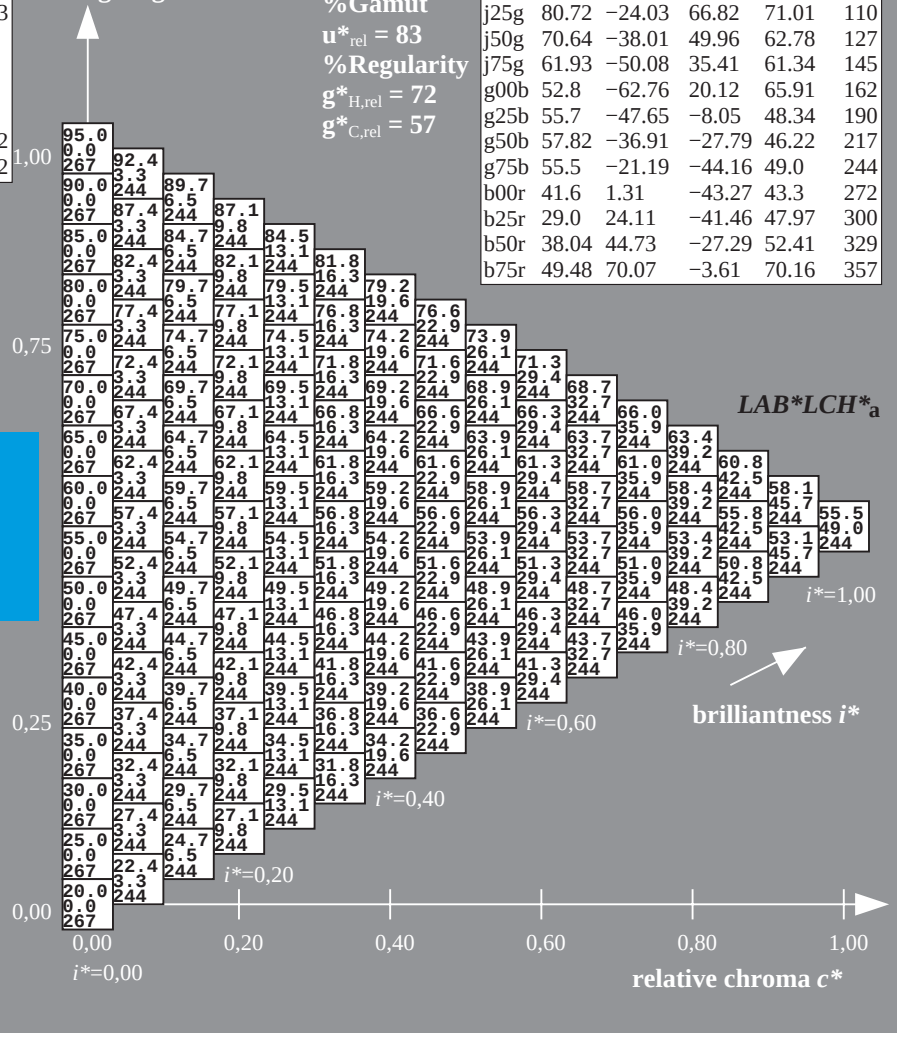
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = g75b
LAB*LCH**a

ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

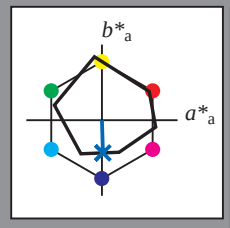




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 272/360 = 0.755**

u** = b00r
LAB*LCH*a

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u** = b00r
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

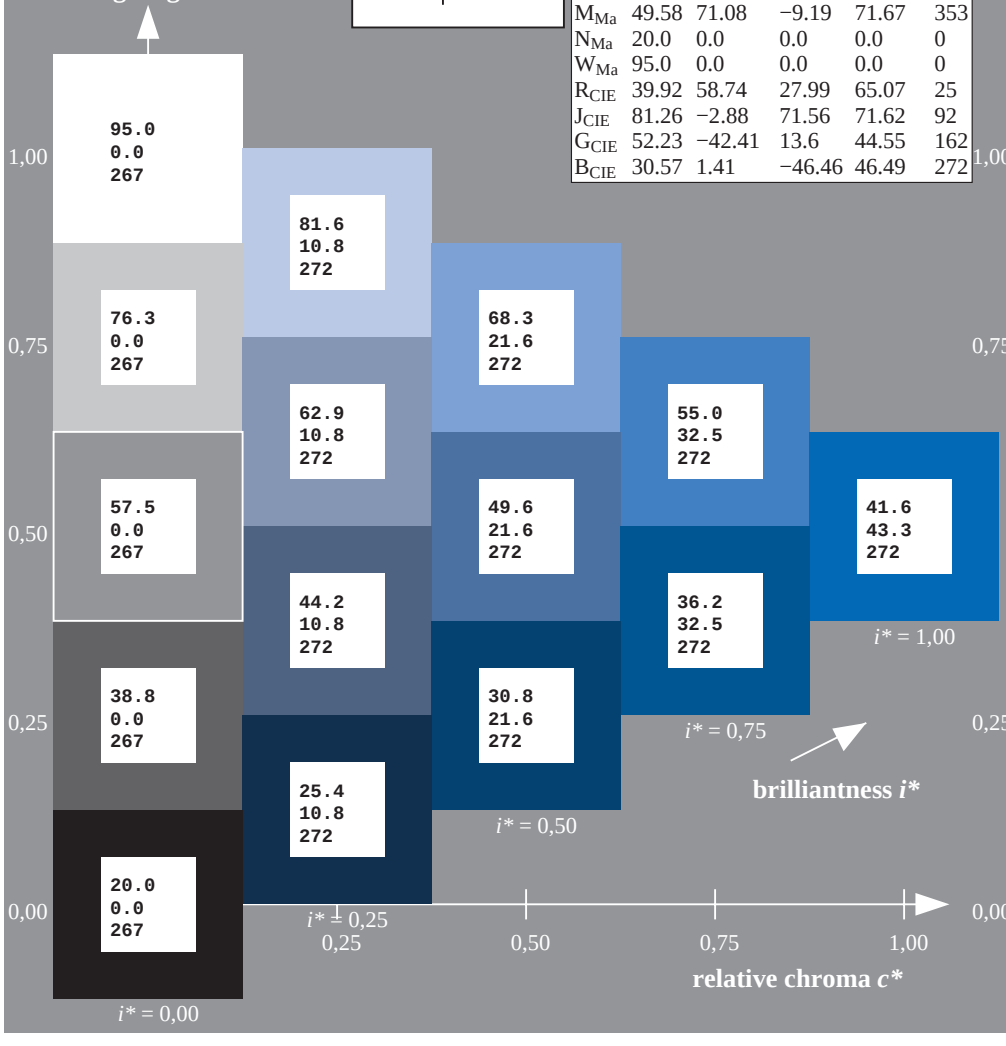
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

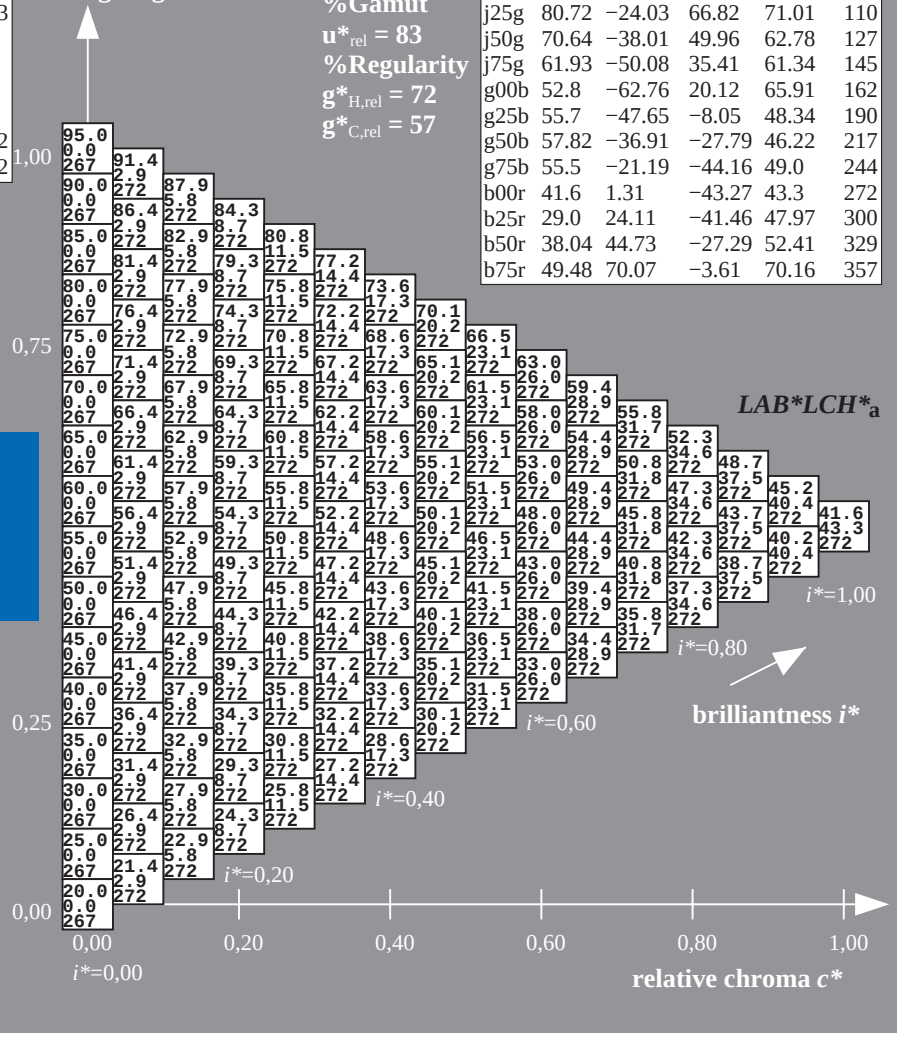
Data for maximum colour (Ma):
LAB*LAB**Ma: 42 1 −42
LAB*LCH**Ma: 42 43 272
lab*rgb**Ma: 0.0 0.0 1.0
lab*olv**Ma: 0.0 0.42 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

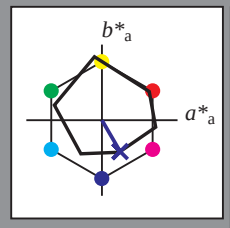
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

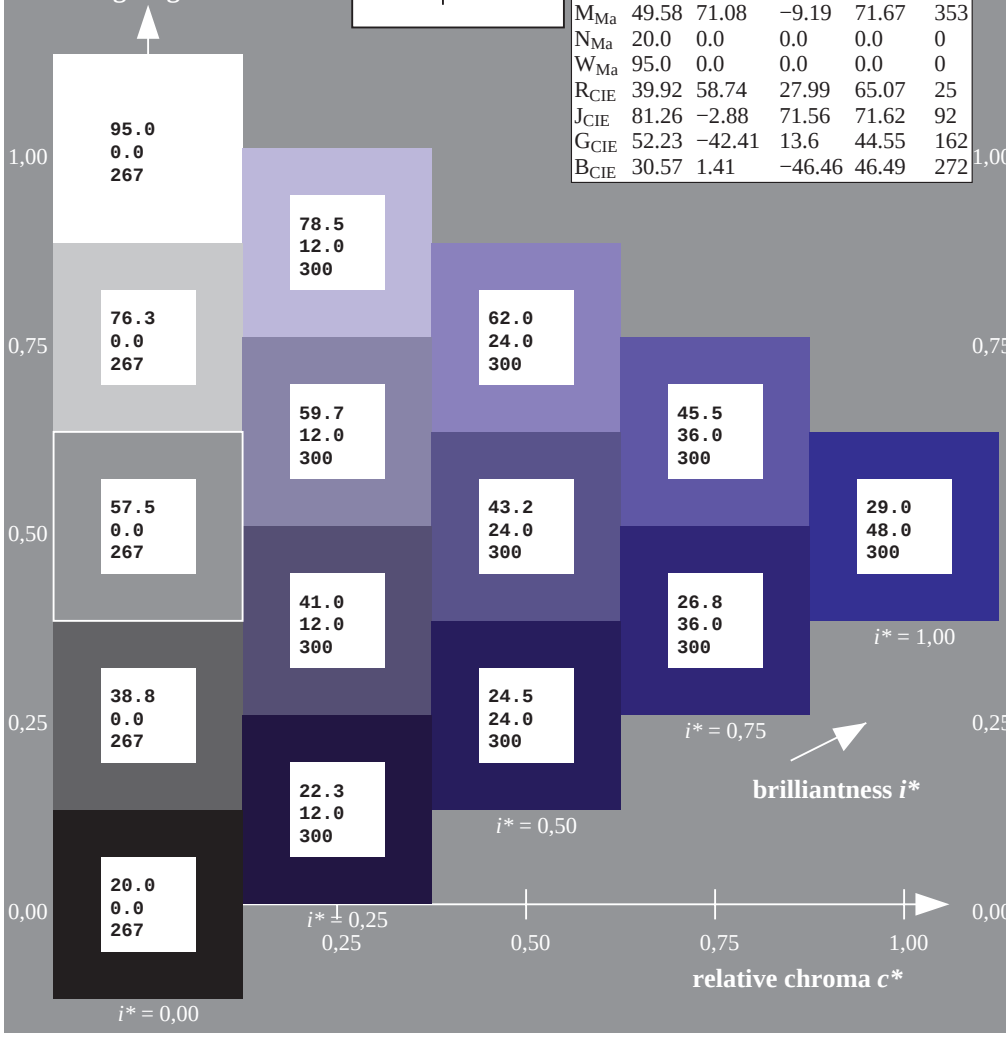
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 29 24 −40**
***LAB*LCH**$_{Ma}$: 29 48 300**
***lab*rgb**$_{Ma}$: 0.5 0.0 1.0**
***lab*olv**$_{Ma}$: 0.03 0.0 1.0**
triangle lightness *t**

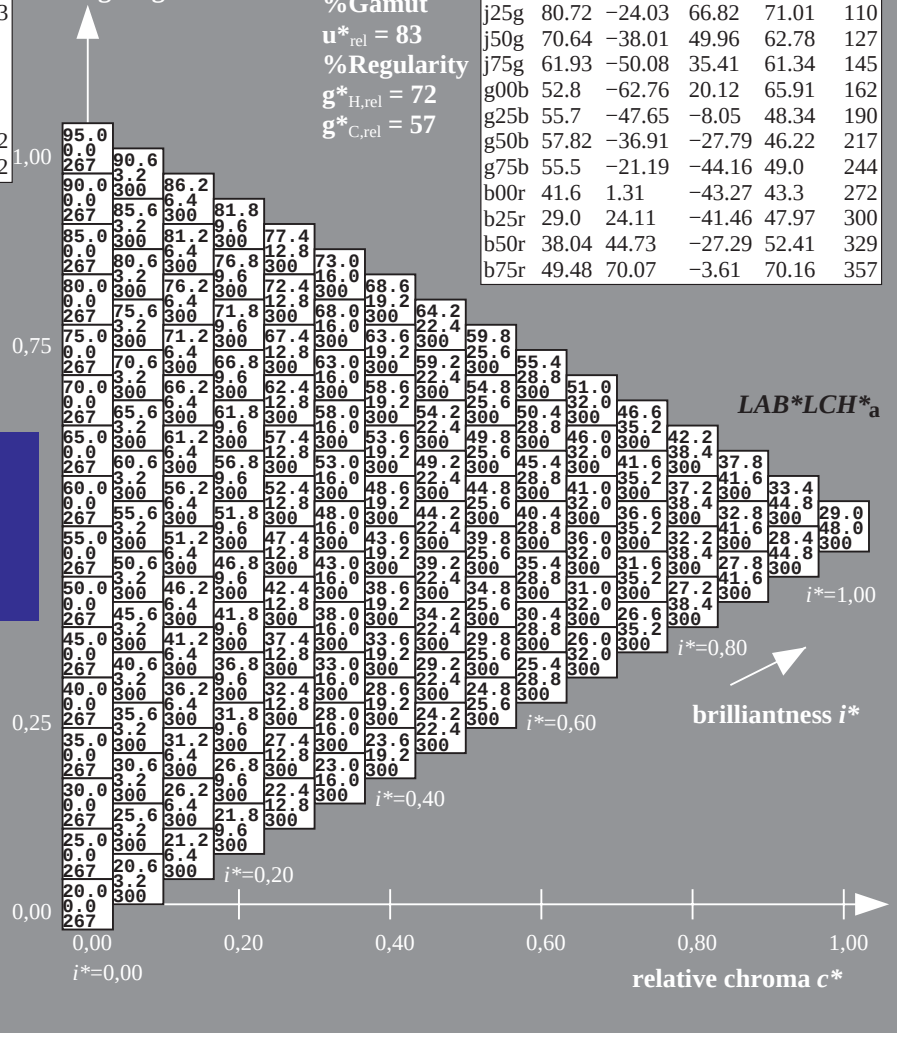
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = b25r
***LAB*LCH**$_a$**

ORS20_95a; adapted (a) CIELAB data

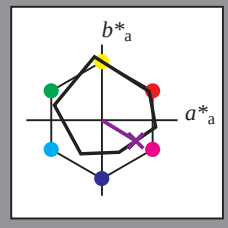
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

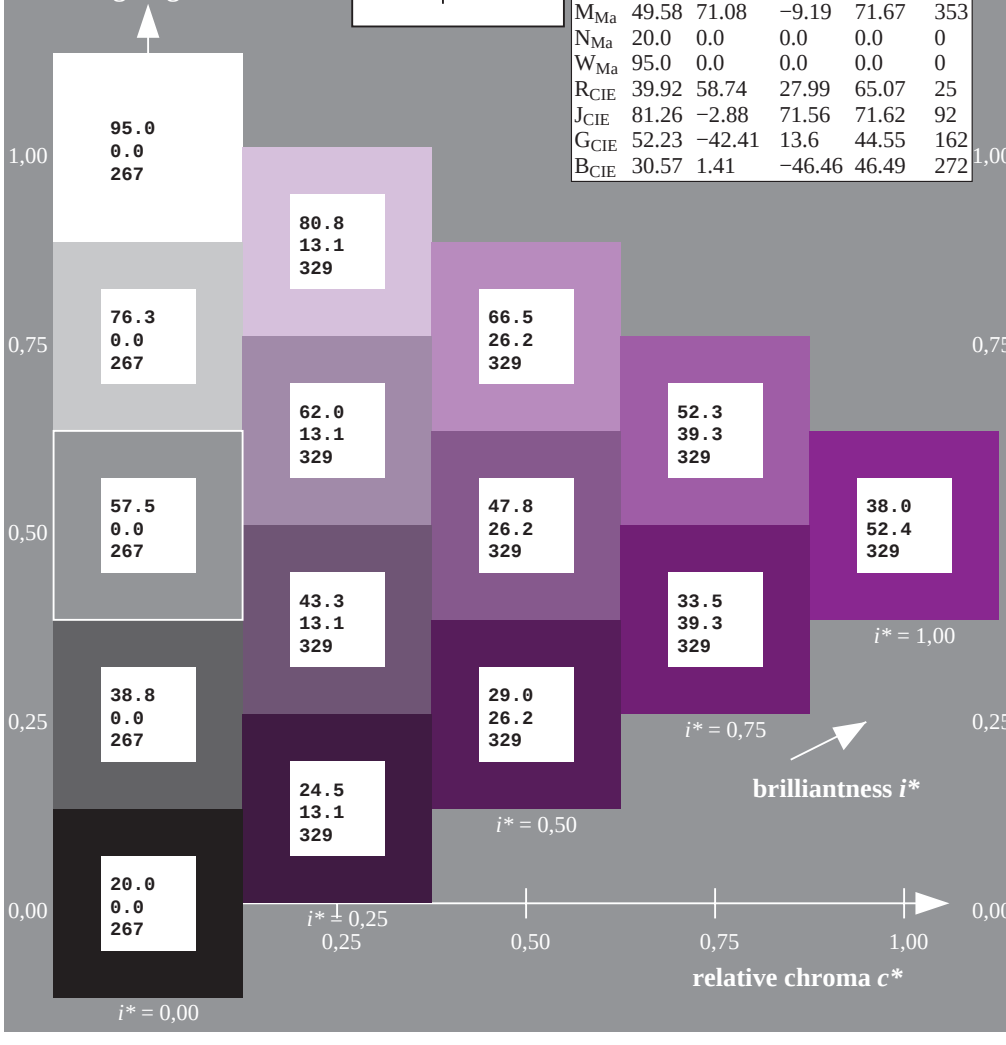
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 38 45 −26**
***LAB*LCH**$_{Ma}$: 38 52 329**
***lab*rgb**$_{Ma}$: 1.0 0.0 1.0**
***lab*olv**$_{Ma}$: 0.46 0.0 1.0**
triangle lightness *t**

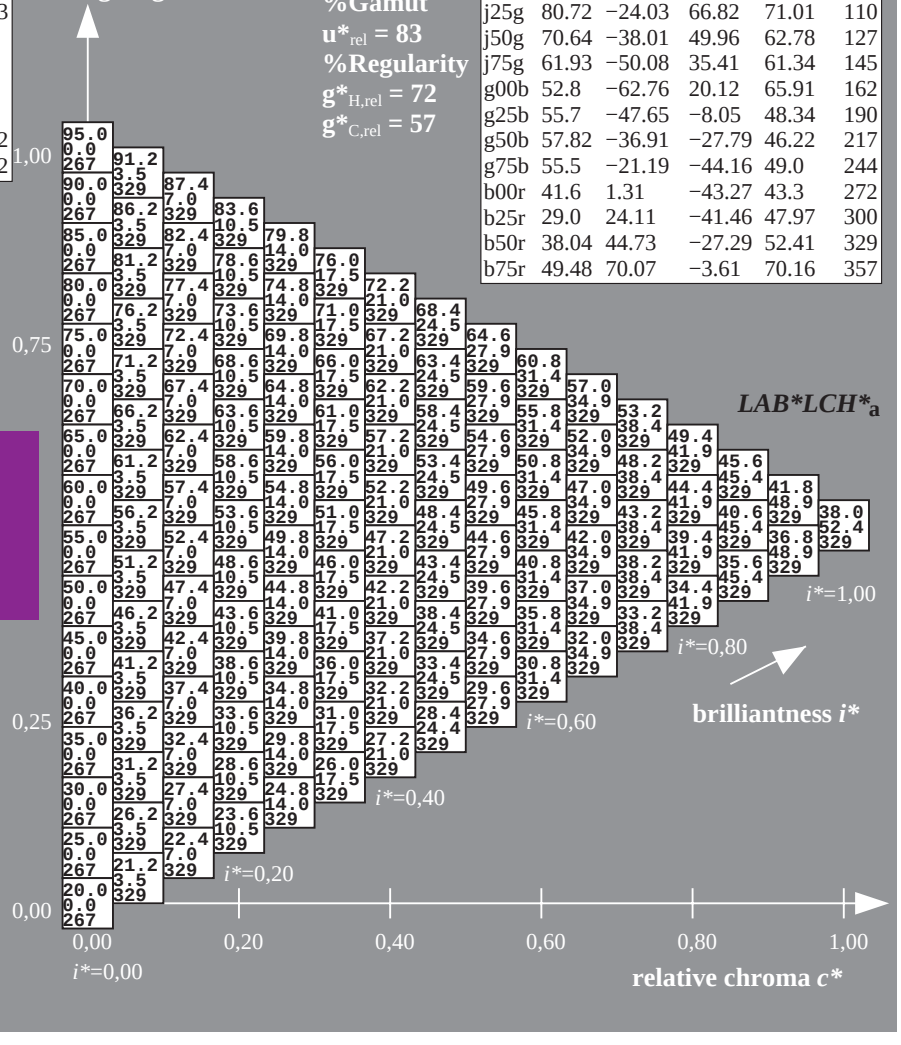
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = b50r
***LAB*LCH**$_a$**

ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

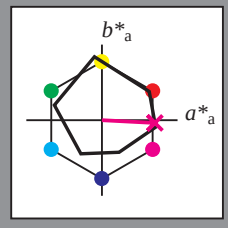




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 357/360 = 0.992**

u** = b75r
LAB*LCH*a

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u** = b75r
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

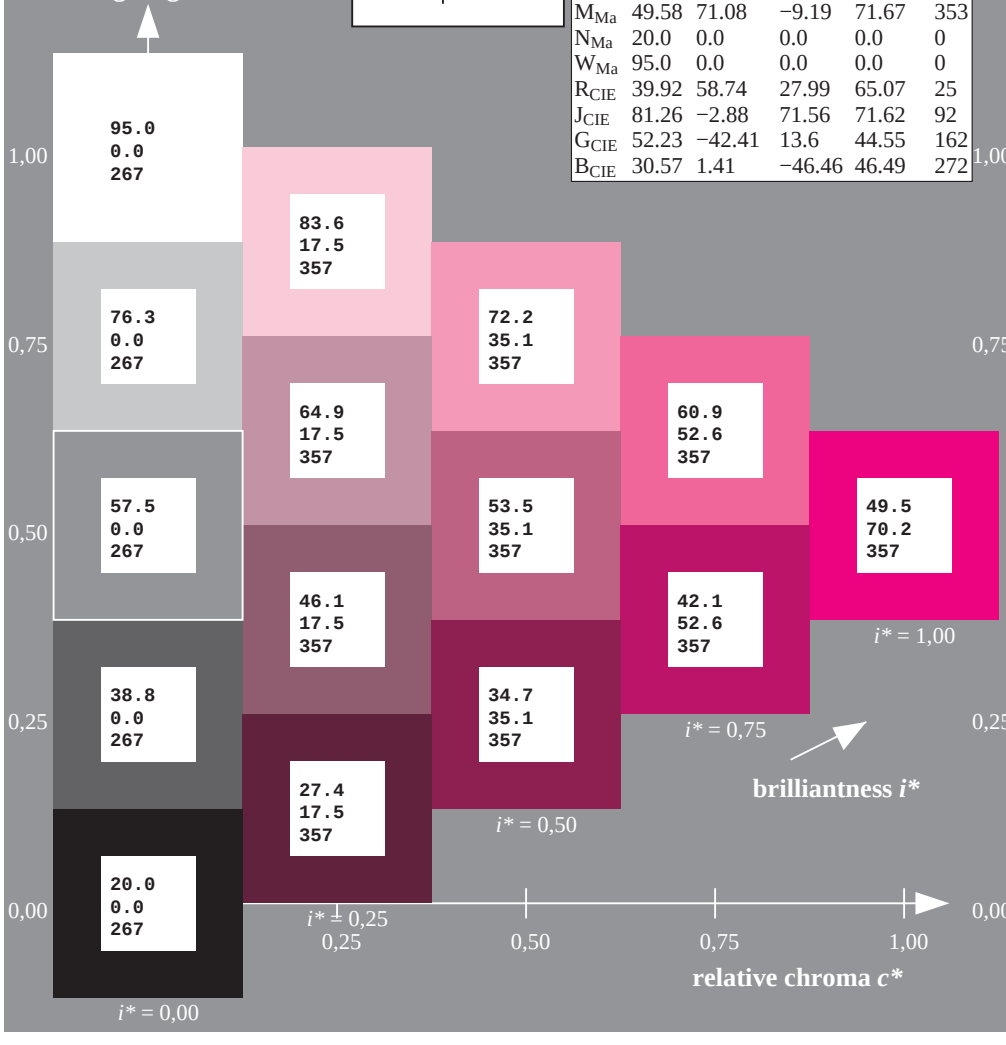
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

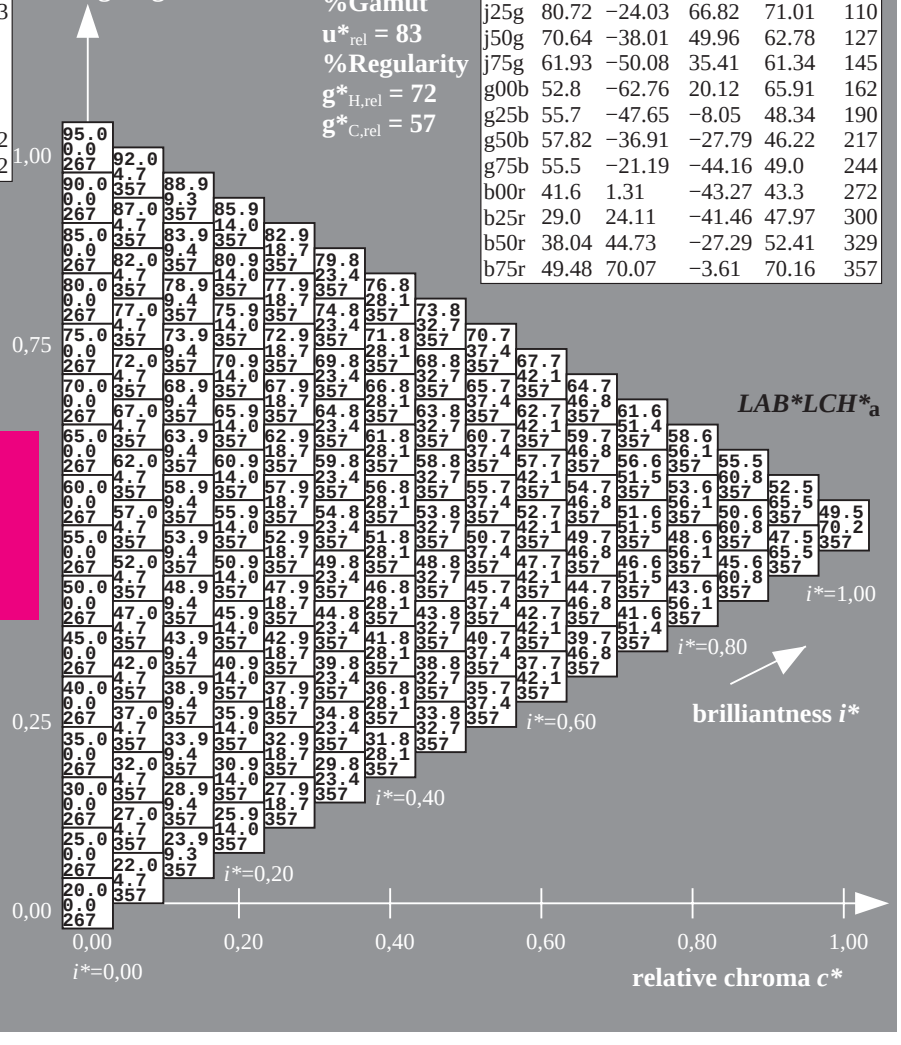
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 49 70 −3**
***LAB*LCH**Ma*: 49 70 357**
***lab*rgb**Ma*: 1.0 0.0 0.5**
***lab*olv**Ma*: 1.0 0.0 0.88**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	49.48	70.07	−3.61	70.16	357
b75r	38.04	44.73	−27.29	52.41	329





	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LCH*a		
01	20.0 0.0 267	24.1 8.2 162	28.2 16.5 162	32.3 24.7 162	36.3 33.0 162	40.4 41.2 162	44.5 49.5 162	48.6 57.7 162	52.7 66.0 162	23.6 9.1 31	28.9 10.5 97	33.0 15.8 125	37.0 23.0 138	41.1 30.6 144	45.2 38.6 148	49.3 46.6 151	53.4 54.7 152	57.5 62.8 154	27.2 18.3 31	32.5 16.6 67	37.7 21.1 97	41.8 25.6 114	45.9 31.7 125	50.0 38.6 133	54.1 45.9 138	58.2 53.5 141	62.2 61.3 144	95.0 0.0 267	89.2 9.1 31	83.4 18.3 31	77.7 27.4 31	71.9 36.6 31	66.1 45.7 31	60.3 54.9 31	54.5 64.0 31	48.8 73.1 31	20.0 0.0 267	20.0 0.0 267	20.0 0.0 267	20.0 0.0 267
02	21.1 6.0 298	25.0 6.6 238	29.0 11.7 195	33.1 19.2 182	37.2 27.1 176	41.3 35.2 173	45.4 43.4 171	49.5 51.5 169	53.6 59.7 169	23.7 9.0 353	29.4 0.0 267	33.5 8.2 162	37.5 16.5 162	41.6 24.7 162	45.7 33.0 162	49.8 41.2 162	53.9 49.5 162	58.0 57.7 162	27.3 17.1 12	33.0 9.1 31	38.2 10.6 97	42.3 15.9 125	46.4 23.0 138	50.5 30.6 144	54.6 38.6 148	58.7 46.6 150	62.8 54.7 152	90.6 6.6 238	85.6 0.0 267	79.8 9.1 31	74.1 18.3 31	68.3 27.4 31	62.5 36.6 31	56.7 45.7 31	50.9 54.9 31	45.2 64.0 31	29.4 0.0 267	29.4 0.0 267	29.4 0.0 267	29.4 0.0 267
03	22.1 12.0 298	26.0 10.9 267	29.9 13.1 238	34.0 17.1 210	38.1 23.5 195	42.2 30.8 187	46.3 38.4 182	50.3 46.3 178	54.4 54.3 176	24.8 13.4 331	30.4 6.0 298	34.3 6.6 238	38.4 11.8 195	42.5 19.2 182	46.6 27.1 176	50.7 35.2 173	54.8 43.4 171	58.8 51.5 169	27.4 17.9 353	33.1 9.0 353	38.8 0.0 267	42.8 8.2 162	46.9 16.5 162	51.0 24.7 162	55.1 33.0 162	59.2 41.2 162	63.3 49.5 162	86.1 13.1 238	81.2 6.6 238	76.3 0.0 267	70.5 9.1 31	64.7 18.3 31	58.9 27.4 31	53.1 36.6 31	47.3 45.7 31	41.6 54.9 31	38.8 0.0 267	38.8 0.0 267	38.8 0.0 267	38.8 0.0 267
04	23.2 18.0 298	27.1 16.3 278	31.0 16.9 256	34.9 19.7 238	38.9 23.2 218	43.0 28.7 204	47.1 35.3 195	51.2 42.4 189	55.3 49.9 185	25.8 18.7 321	31.5 12.0 298	35.4 10.9 267	39.3 13.1 238	43.4 17.2 210	47.5 23.5 195	51.5 30.8 187	55.6 38.4 182	59.7 46.3 178	28.4 22.0 340	34.1 13.4 331	39.8 6.0 298	43.7 6.6 238	47.8 11.8 195	51.9 19.2 182	56.0 27.1 176	60.0 35.2 173	64.1 43.4 171	81.7 19.7 238	76.8 13.1 238	71.8 6.6 238	66.9 0.0 267	61.1 9.1 31	55.3 18.3 31	49.5 27.4 31	43.8 36.6 31	38.0 45.7 31	48.1 0.0 267	48.1 0.0 267	48.1 0.0 267	48.1 0.0 267
05	24.2 24.1 298	28.1 22.0 283	32.0 21.7 267	35.9 23.2 251	39.8 26.2 238	43.9 29.4 222	48.0 34.3 210	52.1 40.3 201	56.2 47.0 195	26.8 24.4 316	32.5 18.0 298	36.4 16.3 278	40.3 16.9 256	44.2 19.7 238	48.3 23.2 218	52.4 28.7 204	56.5 35.3 195	60.6 42.4 189	29.5 26.8 331	35.2 18.7 321	40.8 12.0 298	44.8 10.9 267	48.7 13.1 238	52.7 17.2 210	56.8 23.5 195	60.9 30.8 187	65.0 38.4 182	77.3 26.2 238	72.4 19.7 238	67.4 13.1 238	62.5 6.6 238	57.5 0.0 267	51.7 9.1 31	45.9 18.3 31	40.2 27.4 31	34.4 36.6 31	57.5 0.0 267	57.5 0.0 267	57.5 0.0 267	57.5 0.0 267
06	25.3 30.1 298	29.1 27.9 286	33.1 27.1 273	37.0 27.7 260	40.9 29.7 248	44.8 32.8 238	48.8 35.7 225	52.9 40.2 215	57.0 45.7 206	27.9 30.2 312	33.6 24.1 298	37.5 22.0 283	41.4 21.8 267	45.3 23.2 251	49.2 26.2 238	53.3 29.4 222	57.4 34.3 210	61.4 40.3 201	30.5 32.0 325	36.2 24.4 316	41.9 18.0 298	45.8 16.3 278	49.7 16.9 256	53.6 19.7 238	57.7 23.2 218	61.8 28.7 204	65.9 35.3 195	72.9 32.8 238	67.9 26.2 238	63.0 19.7 238	58.0 13.1 238	53.1 6.6 238	48.1 0.0 267	42.3 9.1 31	36.6 18.3 31	30.8 27.4 31	66.9 0.0 267	66.9 0.0 267	66.9 0.0 267	66.9 0.0 267
07	26.3 36.1 298	30.2 33.8 288	34.1 32.6 278	38.0 32.6 267	41.9 33.8 256	45.8 36.1 246	49.7 39.3 238	53.8 42.2 227	57.9 46.3 218	28.9 36.0 310	34.6 30.1 298	38.5 27.9 286	42.4 27.1 273	46.3 27.7 260	50.2 29.7 248	54.1 32.8 238	58.2 35.8 225	62.3 40.2 215	31.6 37.4 321	37.3 30.2 312	42.9 24.1 298	46.8 22.0 283	50.8 21.8 267	54.7 23.2 251	58.6 26.2 238	62.6 29.4 222	66.7 34.3 210	68.5 39.3 238	63.5 32.8 238	58.6 26.2 238	53.6 19.7 238	48.7 13.1 238	43.7 6.6 238	38.8 0.0 267	33.0 9.1 31	27.2 18.3 31	76.3 0.0 267	76.3 0.0 267	76.3 0.0 267	76.3 0.0 267
08	27.3 42.1 298	31.2 39.8 290	35.1 38.3 281	39.1 37.9 271	43.0 38.5 262	46.9 40.1 253	50.8 42.6 245	54.7 45.9 238	58.7 48.6 228	30.0 41.9 308	35.7 36.1 298	39.6 33.8 288	43.5 32.6 278	47.4 32.6 267	51.3 33.8 256	55.2 36.1 246	59.1 39.3 238	63.2 42.2 227	32.6 43.0 318	38.3 36.0 310	44.0 30.1 298	47.9 27.9 286	51.8 27.1 273	55.7 27.7 260	59.6 29.7 248	63.5 32.8 238	67.6 35.7 225	64.0 45.9 238	59.1 39.3 238	54.1 32.8 238	49.2 26.2 238	44.2 19.7 238	39.3 13.1 238	34.3 6.6 238	29.4 0.0 267	23.6 9.1 31	85.6 0.0 267	85.6 0.0 267	85.6 0.0 267	85.6 0.0 267
09	28.4 48.1 298	32.3 45.7 291	36.2 44.1 283	40.1 43.3 275	44.0 43.5 267	47.9 44.6 258	51.8 46.5 251	55.7 49.1 244	59.6 52.4 238	31.0 47.9 307	36.7 42.1 298	40.6 39.8 290	44.5 38.3 281	48.4 37.9 271	52.3 38.5 262	56.2 40.1 253	60.1 42.6 245	64.0 45.9 238	33.7 48.7 316	39.4 41.9 308	45.0 36.1 298	48.9 33.8 288	52.8 32.6 278	56.7 32.6 267	60.7 33.8 256	64.6 36.1 246	68.5 39.3 238	59.6 52.4 238	54.7 45.9 238	49.7 39.3 238	44.8 32.8 238	39.8 26.2 238	34.9 19.7 238	29.9 13.1 238	25.0 6.6 238	20.0 0.0 267	95.0 0.0 267	95.0 0.0 267	95.0 0.0 267	95.0 0.0 267
10	30.8 27.4 31	36.1 24.6 54	41.3 26.2 78	46.6 31.7 97	50.7 35.9 109	54.8 41.3 118	58.9 47.5 125	62.9 54.3 130	67.0 61.5 134	34.4 36.6 31	39.6 33.2 48	44.9 33.2 67	50.2 36.4 84	55.5 42.2 97	59.5 46.2 106	63.6 51.3 114	67.7 57.1 120	71.8 63.4 125	38.0 45.7 31	43.2 42.1 44	48.5 41.0 59	53.8 42.6 74	59.1 46.8 86	64.3 52.8 97	68.4 56.7 104	72.5 61.4 111	76.6 66.9 116	95.0 0.0 267	94.5 10.5 97	94.0 21.1 97	93.5 31.7 97	93.0 42.2 97	92.4 52.8 97	91.9 63.3 97	91.4 73.9 97	90.9 84.4 97	20.0 0.0 267	20.0 0.0 267	20.0 0.0 267	20.0 0.0 267
11	30.9 25.9 19	36.6 18.3 31	41.8 16.6 67	47.1 21.1 97	51.2 25.6 114	55.3 31.7 125	59.4 38.6 132	63.4 45.9 138	67.5 53.5 141	34.5 34.9 22	40.2 27.4 31	45.4 24.6 54	50.7 26.3 78	56.0 31.7 97	60.1 35.9 109	64.1 41.3 118	68.2 47.6 125	72.3 54.3 130	38.1 43.9 24	43.8 36.6 31	49.0 33.2 48	54.3 33.2 67	59.6 36.4 84	64.8 42.2 97	68.9 46.2 106	73.0 51.3 114	77.1 57.1 120	86.7 6.0 298	85.6 0.0 267	85.1 10.6 97	84.6 21.1 97	84.1 31.7 97	83.6 42.2 97	83.1 52.8 97	82.6 63.3 97	82.1 73.9 97	25.0 0.0 267	25.0 0.0 267	25.0 0.0 267	25.0 0.0 267
12	31.0 25.7 5	36.7 17.1 12	42.3 9.1 31	47.6 10.6 97	51.7 15.9 125	55.8 23.0 138	59.9 30.6 144	64.0 38.6 148	68.0 46.6 150	34.6 34.2 12	40.3 25.9 19	45.9 18.3 31	51.2 16.6 67	56.5 21.1 97	60.6 25.6 114	64.7 31.7 125	68.7 38.6 132	72.8 45.9 138	38.2 42.9 16	43.9 34.9 22	49.5 27.4 31	54.8 24.6 54	60.1 26.3 78	65.3 31.7 97	69.4 35.9 109	73.5 41.3 118	77.6 47.5 125	78.3 12.0 298	77.3 6.0 298	76.3 0.0 267	75.7 10.6 97	75.2 21.1 97	74.7 31.7 97	74.2 42.2 97	73.7 52.8 97	73.2 63.3 97	30.0 0.0 267	30.0 0.0 267	30.0 0.0 267	30.0 0.0 267
13	31.1 26.9 353	36.8 17.9 353	42.4 9.0 353	48.1 0.0 267	52.2 8.2 162	56.3 16.5 162	60.4 24.7 162	64.5 33.0 162	68.6 41.2 162	34.7 34.5 2	40.4 25.7 5	46.0 17.1 12	51.7 9.1 31	57.0 10.6 97	61.1 15.9 125	65.2 23.0 138	69.2 30.6 144	73.3 38.6 148	38.3 42.7 8	44.0 34.2 12	49.6 25.9 19	55.3 18.3 31	60.6 16.6 67	65.9 21.1 97	69.9 25.6 114	74.0 31.7 125	78.1 38.6 132	70.0 18.0 298	69.0 12.0 298	67.9 6.0 298	66.9 0.0 267	66.4 10.6 97	65.9 21.1 97	65.3 31.7 97	64.8 42.2 97	64.3 52.8 97	35.0 0.0 267	35.0 0.0 267	35.0 0.0 267	35.0 0.0 267
14	32.1 30.8 343	37.8 22.0 340	43.5 13.4 331	49.2 6.0 298	53.1 6.6 238	57.2 11.8 195	61.2 19.2 182	65.3 27.1 176	69.4 35.2 173	34.8 35.8 353	40.5 26.9 353	46.1 17.9 353	51.8 9.0 353	57.5 0.0 267	61.6 8.2 162	65.7 16.5 162	69.8 24.7 162	73.8 33.0 162	38.4 43.4 0	44.1 34.5 2	49.7 25.7 5	55.4 17.1 12	61.1 9.1 31	66.4 10.6 97	70.5 15.9 125	74.5 23.0 138	78.6 30.6 144	61.7 24.1 298	60.6 18.0 298	59.6 12.0 298	58.5 6.0 298	57.5 0.0 267	57.0 10.6 97	56.5 21.1 97	56.0 31.7 97	55.5 42.2 97	40.0 0.0 267	40.0 0.0 267	40.0 0.0 267	40.0 0.0 267
15	33.2 35.2 337	38.9 26.8 331	44.5 18.7 321	50.2 12.0 298	54.1 10.9 267	58.0 13.1 238	62.1 17.2 210	66.2 23.5 195	70.3 30.8 187	35.8 39.6 346	41.5 30.8 343	47.2 22.0 340	52.9 13.4 331	58.5 6.0 298	62.5 6.6 238	66.5 11.8 195	70.6 19.2 182	74.7 27.1 176	38.5 44.8 353	44.2 35.8 353	49.8 26.9 353	55.5 17.9 353	61.2 9.0 353	66.9 0.0 267	71.0 8.2 162	75.0 16.5 162	79.1 24.7 162	53.4 30.1 298	52.3 24.1 298	51.3 18.0 298	50.2 12.0 298	49.2 6.0 298	48.1 0.0 267	47.6 10.6 97	47.1 21.1 97	46.6 31.7 97	45.0 0.0 267	45.0 0.0 267	45.0 0.0 267	45.0 0.0 267
16	34.2 40.1 331	39.9 32.0 325	45.6 24.4 316	51.3 18.0 298	55.2 16.3 278	59.1 16.9 256	63.0 19.7 238	67.1 23.2 218	71.1 28.7 204	36.9 43.9 340	42.6 35.3 337	48.2 26.8 331	53.9 18.7 321	59.6 12.0 298	63.5 10.9 267	67.4 13.1 238	71.5 17.2 210	75.6 23.5 195	39.5 48.5 347	45.2 39.6 346	50.9 30.8 343	56.6 22.0 340	62.2 13.4 331	67.9 6.0 298	71.8 6.6 238	75.9 11.8 195	80.0 19.2 182	45.0 36.1 298	44.0 30.1 298	42.9 24.1 298	41.9 18.0 298	40.8 12.0 298	39.8 6.0 298	38.8 0.0 267	38.2 10.6 97	37.7 21.1 97	50.0 0.0 267	50.0 0.0 267	50.0 0.0 267	50.0 0.0 267
17	35.3 45.3 327	41.0 37.4 321	46.6 30.2 312	52.3 24.1 298	56.2 22.0 283	60.1 21.8 267	64.0 23.2 251	67.9 26.2 238	72.0 29.4 222	37.9 48.6 335	43.6 40.1 331	49.3 32.0 325	55.0 24.4 316	60.6 18.0 298	64.5 16.3 278	68.5 16.9 256	72.4 19.7 238	76.4 23.2 218	40.6 52.7 342	46.3 43.9 340	51.9 35.3 337	57.6 26.8 331	63.3 18.7 321	69.0 12.0 298	72.9 10.9 267	76.8 13.1 238	80.9 17.1 210	36.7 42.1 298	35.7 36.1 298	34.6 30.1 298	33.6 24.1 298	32.5 18.0 298	31.5 12.0 298	30.4 6.0 298	29.4 0.0 267	28.9 10.5 97	55.0 0.0 267	55.0 0.0 267	55.0 0.0 267	55.0 0.0 267
18	36.3 50.7 324	42.0 43.0 318	47.7 36.0 310	53.4 30.1 298	57.3 27.9 286	61.2 27.1 273	65.1 27.7 260	69.0 29.7 248	72.9 32.8 238	39.0 53.5 331	44.7 45.3 327	50.3 37.4 321	56.0 30.2 312	61.7 24.1 298	65.6 22.0 283	69.5 21.7 267	73.4 23.2 251	77.3 26.2 238	41.6 57.2 338	47.3 48.6 335	53.0 40.1 331	58.7 32.0 325	64.3 24.4 316	70.0 18.0 298	73.9 16.3 278	77.8 16.9 256	81.7 19.7 238	28.4 48.1 298	27.3 42.1 298	26.3 36.1 298	25.3 30.1 298	24.2 24.1 298	23.2 18.0 298	22.1 12.0 298	21.1 6.0 298	20.0 0.0 267	60.0 0.0 267	60.0 0.0 267	60.0 0.0 267	60.0 0.0 267
19	41.6 54.9 31	46.8 51.0 42	52.1 49.2 54	57.4 49.7 67	62.6 52.5 78	67.9 57.2 88	73.2 63.3 97	77.3 67.2 103	81.4 71.7 109	45.2 64.0 31	50.4 60.0 40	55.7 57.8 51	61.0 57.4 61	66.2 59.1 72	71.5 62.6 81	76.8 67.6 90	82.1 73.9 97	86.1 77.7 102	48.8 73.1 31	54.0 69.0 39	59.3 66.4 48	64.6 65.5 57	69.8 66.3 67	75.1 68.8 75	80.4 72.8 84	85.6 78.1 91	90.9 84.4 97	95.0 0.0 267	89.7 8.2 162	84.4 16.5 162	79.1 24.7 162	73.8 33.0 162	68.6 41.2 162	63.3 49.5 162	58.0 57.7 162	52.7 66.0 162	65.0 0.0 267	65.0 0.0 267	65.0 0.0 267	65.0 0.0 267
20	41.7 53.0 25	47.3 45.7 31	52.6 42.1 44	57.9 41.0 59	63.2 42.6 74	68.4 46.8 86	73.7 52.8 97	77.8 56.7 104	81.9 61.4 111	45.3 62.1 26	50.9 54.9 31	56.2 51.0 42	61.5 49.2 54	66.8 49.8 67	72.0 52.5 78	77.3 57.2 88	82.6 63.3 97	86.6 67.2 103	48.9 71.2 27	54.5 64.0 31	59.8 60.0 40	65.1 57.8 51	70.3 57.4 61	75.6 59.1 72	80.9 62.6 81	86.2 67.6 90	91.4 73.9 97	89.3 9.0 353	85.6 0.0 267	80.3 8.2 162	75.0 16.5 162	69.8 24.7 162	64.5 33.0 162	59.2 41.2 162	53.9 49.5 162	48.6 57.7 162	70.0 0.0 267	70.0 0.0 267	70.0 0.0 267	70.0 0.0 267
21	41.8 51.8 19	47.4 43.9 24	53.1 36.6 31	58.4 33.2 48	63.7 33.2 67	68.9 36.4 84	74.2 42.2 97	78.3 46.2 106	82.4 51.3 114	45.4 60.8 21	51.0 53.0 25	56.7 45.7 31	62.0 42.1 44	67.3 41.0 59	72.5 42.6 74	77.8 46.8 86	83.1 52.8 97	87.2 56.7 104	49.0 69.8 22	54.6 62.1 26	60.3 54.9 31	65.6 51.0 42	70.9 49.2 54	76.1 49.8 67	81.4 52.5 78	86.7 57.2 88	91.9 63.3 97	83.6 17.9 353	79.9 9.0 353	76.3 0.0 267	71.0 8.2 162	65.7 16.5 162	60.4 24.7 162	55.1 33.0 162	49.8 41.2 162	44.5 49.5 162	75.0 0.0 267	75.0 0.0 267	75.0 0.0 267	75.0 0.0 267
22	41.9 51.3 12	47.6 42.9 16	53.2 34.9 22	58.9 27.4 31	64.2 24.6 54	69.4 26.3 78	74.7 31.7 97	78.8 35.9 109	82.9 41.3 118	45.5 60.0 15	51.1 51.8 19	56.8 43.9 24	62.5 36.6 31	67.8 33.2 48	73.0 33.2 67	78.3 36.4 84	83.6 42.2 97	87.7 46.2 106	49.1 68.8 17	54.7 60.8 21	60.4 53.0 25	66.1 45.7 31	71.4 42.1 44	76.6 41.0 59	81.9 42.6 74	87.2 46.8 86	92.4 52.8 97	78.0 26.9 353	74.3 17.9 353	70.6 9.0 353	66.9 0.0 267	61.6 8.2 162	56.3 16.5 162	51.0 24.7 162	45.7 33.0 162	40.4 41.2 162	80.0 0.0 267	80.0 0.0 267	80.0 0.0 267	80.0 0.0 267
23	42.0 51.4 5	47.7 42.7 8	53.3 34.2 12	59.0 25.9 19	64.7 18.3 31	70.0 16.6 67	75.2 21.1 97	79.3 25.6 114	83.4 31.7 125	45.6 59.8 9	51.2 51.3 12	56.9 42.9 16	62.6 34.9 22	68.3 27.4 31	73.6 24.6 54	78.8 26.3 78	84.1 31.7 97	88.2 35.9 109	49.2 68.3 12	54.8 60.0 15	60.5 51.8 19	66.2 43.9 24	71.9 36.6 31	77.1 33.2 48	82.4 33.2 67	87.7 36.4 84	93.0 42.2 97	72.3 35.8 353	68.6 26.9 353	64.9 17.9 353	61.2 9.0 353	57.5 0.0 267	52.2 8.2 162	46.9 16.5 162	41.6 24.7 162	36.3 33.0 162	85.0 0.0 267	85.0 0.0 267	85.0 0.0 267	85.0 0.0 267
24	42.1 52.2 359	47.8 43.4 0	53.4 34.5 2	59.1 25.7 5	64.8 17.1 12	70.5 9.1 31	75.7 10.6 97	79.8 15.9 125	83.9 23.0 138	45.7 60.2 4	51.4 51.4 5	57.0 42.7 8	62.7 34.2 12	68.4 25.9 19	74.1 18.3 31	79.3 16.6 67	84.6 21.1 97	88.7 25.6 114	49.3 68.4 7	54.9 59.8 9	60.6 51.3 12	66.3 42.9 16	72.0 34.9 22	77.7 27.4 31	82.9 24.6 54	88.2 26.3 78	93.5 31.7 97	66.6 44.8 353	62.9 35.8 353	59.2 26.9 353	55.5 17.9 353	51.8 9.0 353	48.1 0.0 267	42.8 8.2 162	37.5 16.5 162	32.3 24.7 162	90.0 0.0 267	90.0 0.0 267	90.0 0.0 267	90.0 0.0 267
25	42.2 53.7 353	47.9 44.8 353	53.5 35.8 353	59.2 26.9 353	64.9 17.9 353	70.6 9.0 353	76.3 0.0 267	80.3 8.2 162	84.4 16.5 162	45.8 61.2 358	51.5 52.3 359	57.1 43.4 0	62.8 34.5 2	68.5 25.7 5	74.2 17.1 12	79.8 9.1 31	85.1 10.6 97	89.2 15.8 125	49.4 69.0 2	55.0 60.2 4	60.7 51.4 5	66.4 42.7 8	72.1 34.2 12	77.8 25.9 19	83.4 18.3 31	88.7 16.6 67	94.0 21.1 97	60.9 53.7 353	57.2 44.8 353	53.5 35.8 353	49.8 26.9 353	46.1 17.9 353	42.4 9.0 353	38.8 0.0 267	33.5 8.2 162	28.2 16.5 162	95.0 0.0 267	95.0 0.0 267	95.0 0.0 267	95.0 0.0 267
26	43.2 57.5 348	48.9 48.5 347	54.6 39.6 346	60.3 30.8 343	65.9 22.0 340	71.6 13.4 331	77.3 6.0 298	81.2 6.6 238	85.3 11.7 195	45.9 62.7 353	51.6 53.8 353	57.2 44.8 353	62.9 35.8 353	68.6 26.9 353	74.3 17.9 353	79.9 9.0 353	85.6 0.0 267	89.7 8.2 162	49.5 70.1 357	55.2 61.2 358	60.8 52.2 359	66.5 43.4 0	72.2 34.5 2	77.9 25.7 5	83.5 17.1 12	89.2 9.1 31	94.5 10.5 97	55.3 62.7 353	51.6 53.8 353	47.9 44.8 353	44.2 35.8 353	40.5 26.9 353	36.8 17.9 353	33.1 9.0 353	29.4 0.0 267	24.1 8.2 162	20.0 0.0 267	48.8 73.1 31	90.9 84.4 97	52.7 66.0 162
27	44.3 61.5 343	50.0 52.7 342	55.6 43.9 340	61.3 35.3 337	67.0 26.8 331	72.7 18.7 321	78.3 12.0 298	82.2 10.9 267	86.1 13.1 238	46.9 66.4 348	52.6 57.5 348	58.3 48.5 347	64.0 39.6 346	69.6 30.8 343	75.3 22.0 340	81.0 13.4 331	86.7 6.0 298	90.6 6.6 238	49.6 71.7 353	55.3 62.7 353	60.9 53.7 353	66.6 44.8 353	72.3 35.8 353	78.0 26.9 353	83.6 17.9 353	89.3 9.0 353	95.0 0.0 267	49.6 71.7 353	45.9 62.7 353	42.2 53.7 353	38.5 44.8 353	34.8 35.8 353	31.1 26.9 353	27.4 17.9 353	23.7 9.0 353	20.0 0.0 267	95.0 0.0 267	59.6 52.4 238	28.4 48.1 298	49.6 71.7 353

See for similar files: http://www.ps.bam.de/De99/; www.ps.bam.de/De.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

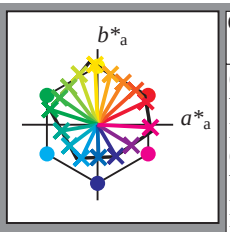
BAM registration: 20080701-De99/10L/L99E00NA.PS/ .TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

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

Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
lab*tch* **and** ***lab*icu****
elementary hue text:
u* **= 16 hues** ***r00j, r25j, ..., b75r***
contrast reduction factor:
c_R **= 0.96**

ORS20_95a; adapted (a) CIELAB data

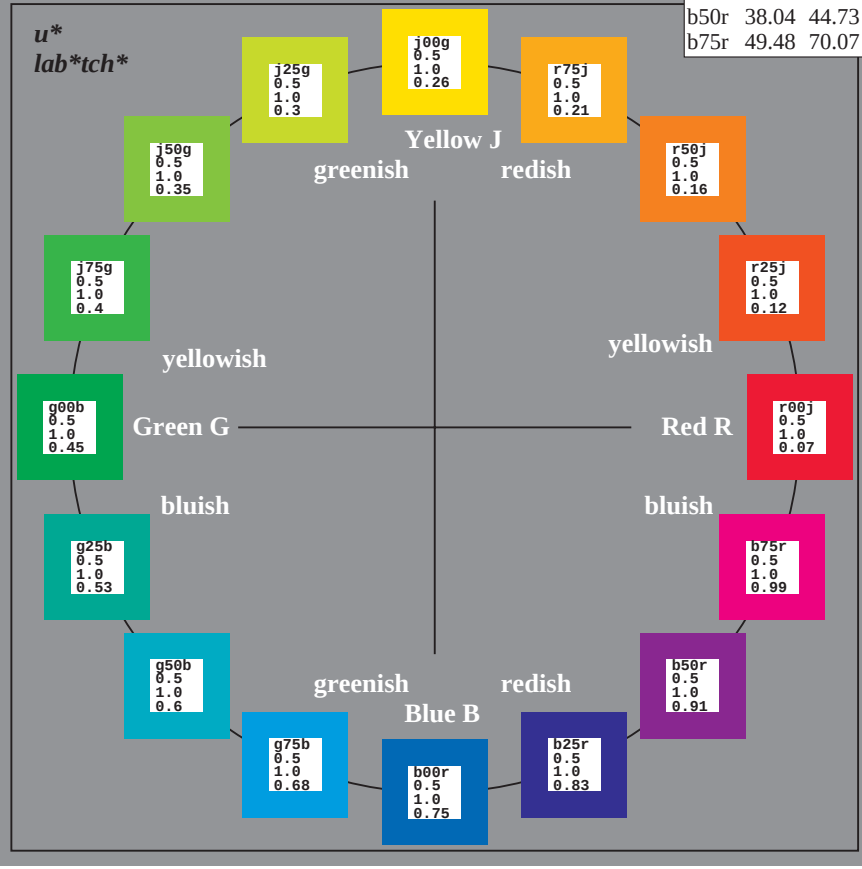
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

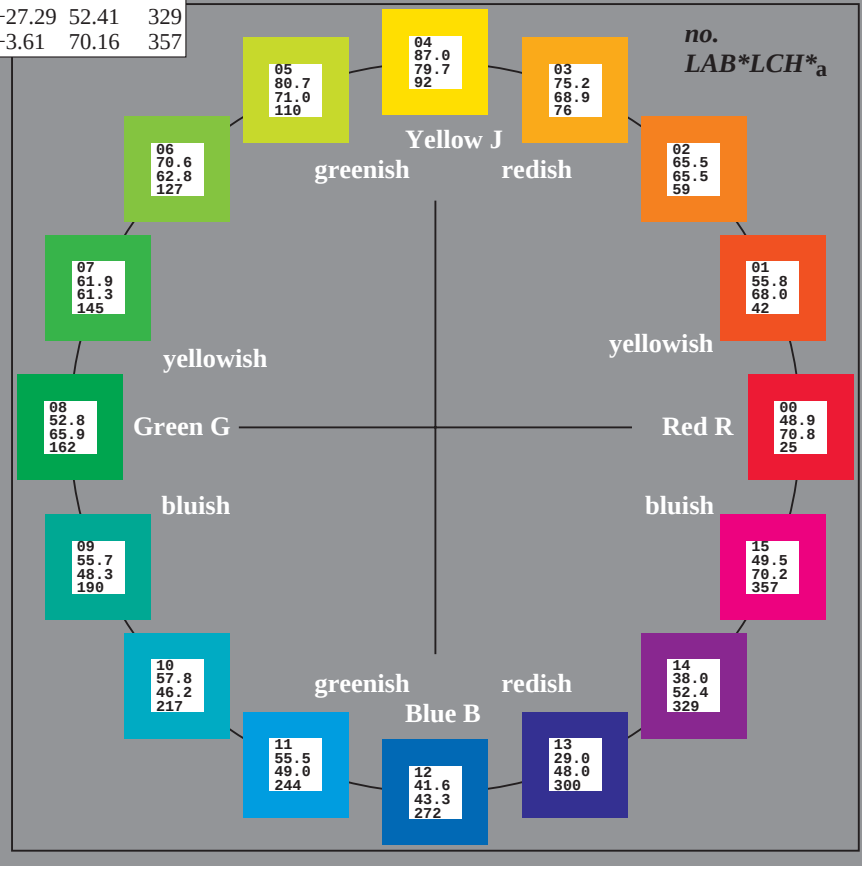


%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

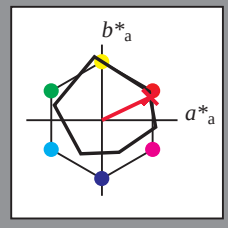
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	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 ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

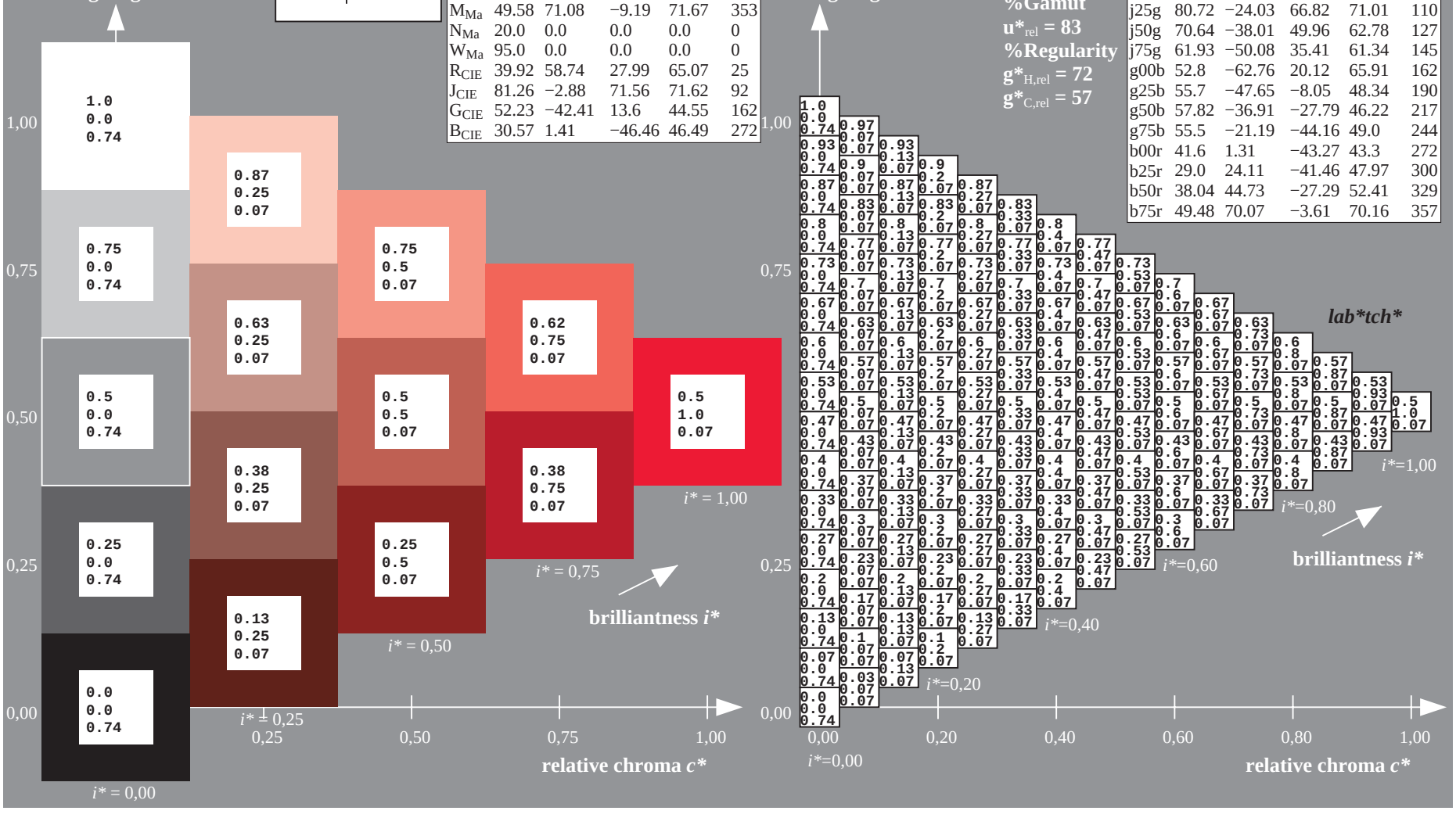
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 49 64 30**
***LAB*LCH**Ma*: 49 71 25**
***lab*rgb**Ma*: 1.0 0.0 0.0**
***lab*olv**Ma*: 1.0 0.0 0.16**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = r00j
lab*tch*

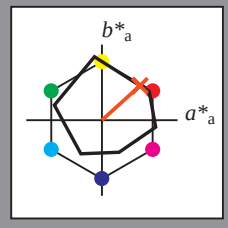
ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

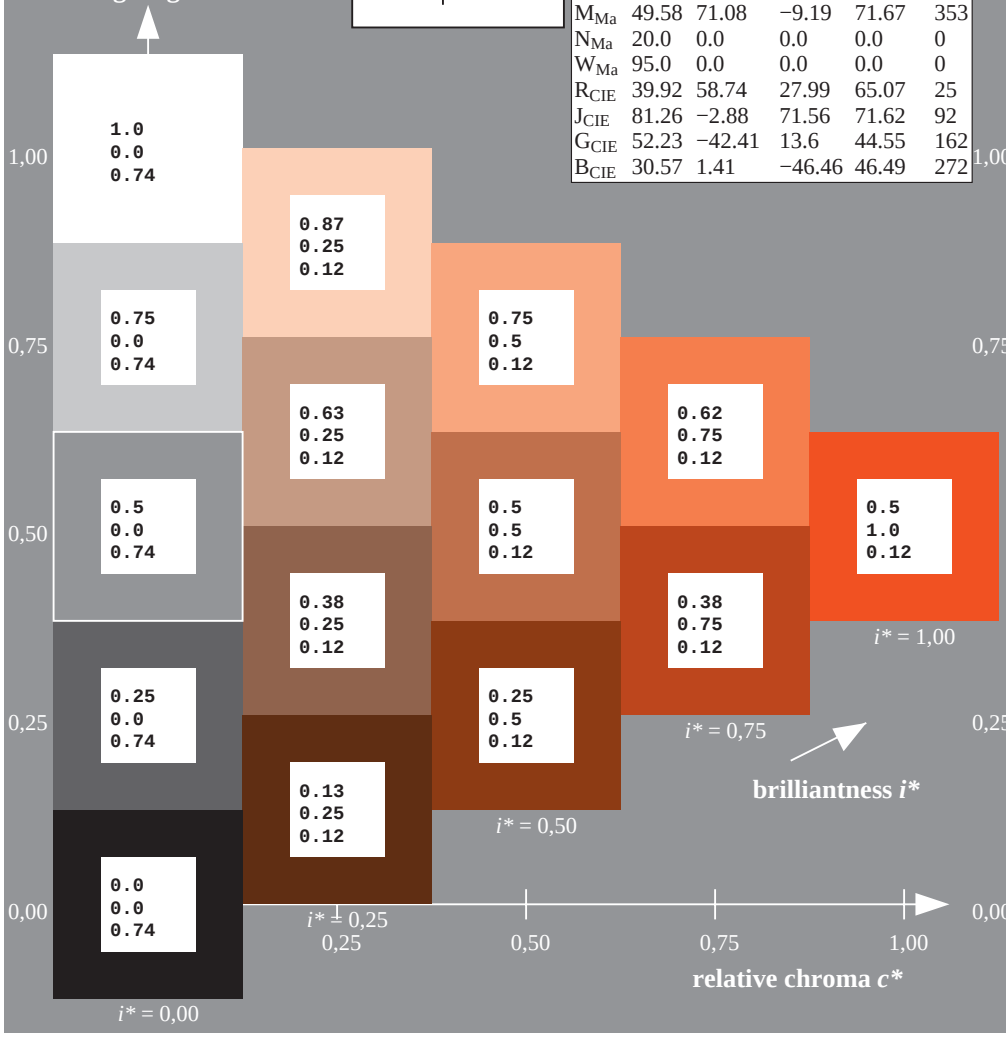
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 56 50 46**
***LAB*LCH**Ma*: 56 68 42**
***lab*rgb**Ma*: 1.0 0.25 0.0**
***lab*olv**Ma*: 1.0 0.17 0.0**
triangle lightness *t**

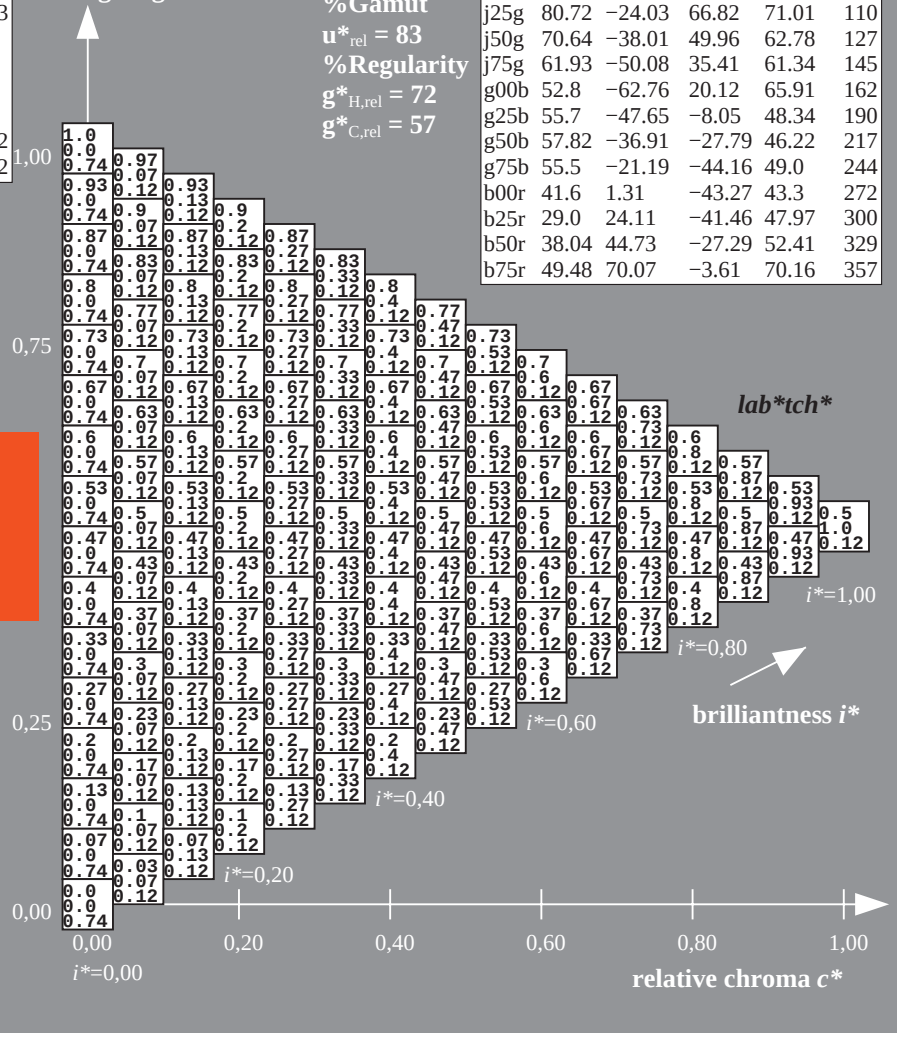
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u* = r25j
lab*tch*

ORS20_95a; adapted (a) CIELAB data

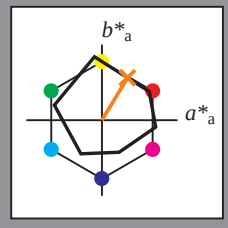
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

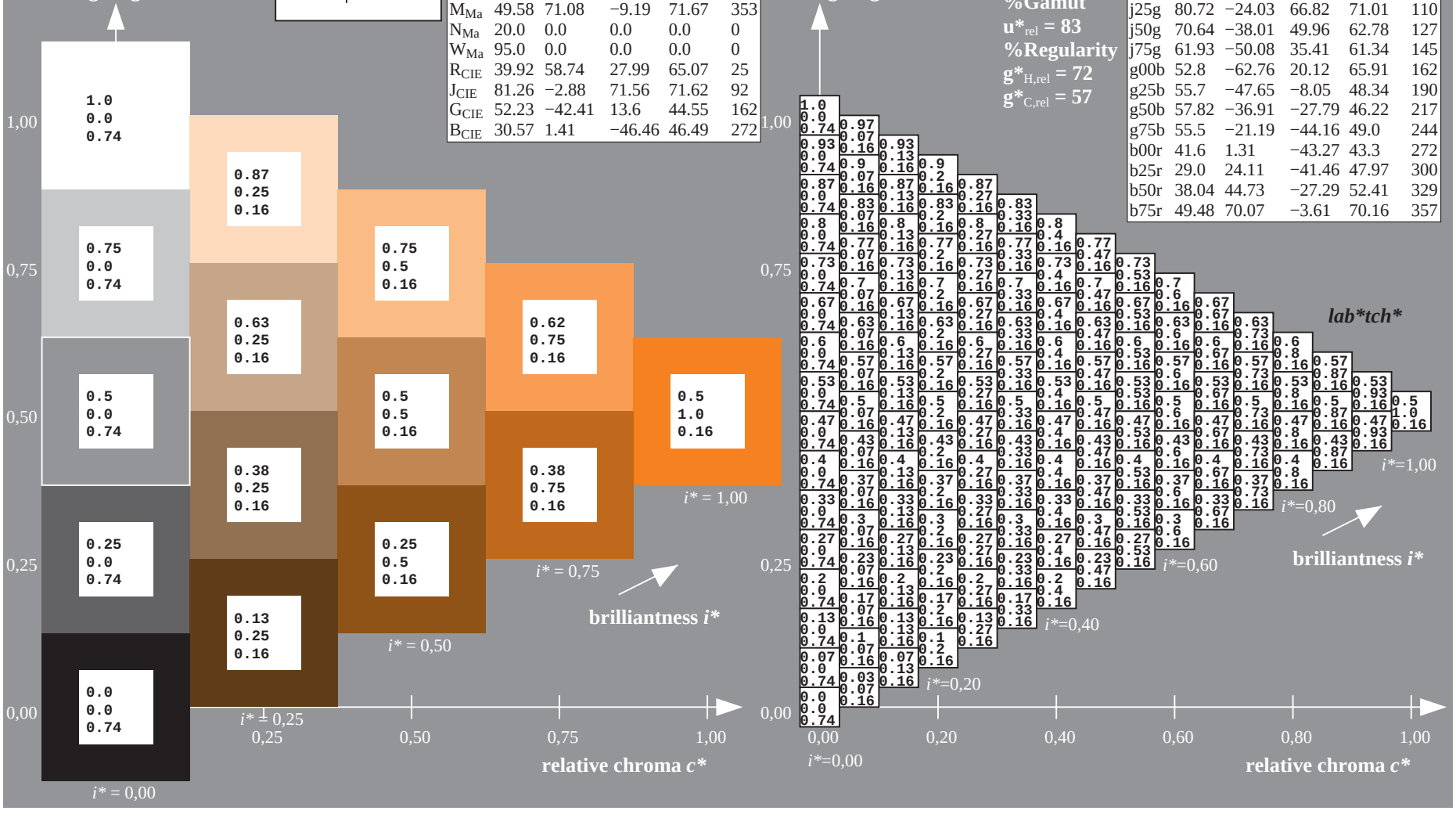
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 65 34 56**
***LAB*LCH**Ma*: 65 66 59**
***lab*rgb**Ma*: 1.0 0.5 0.0**
***lab*olv**Ma*: 1.0 0.4 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u* = r50j
lab*tch*

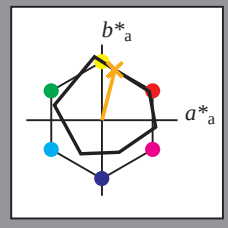
ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

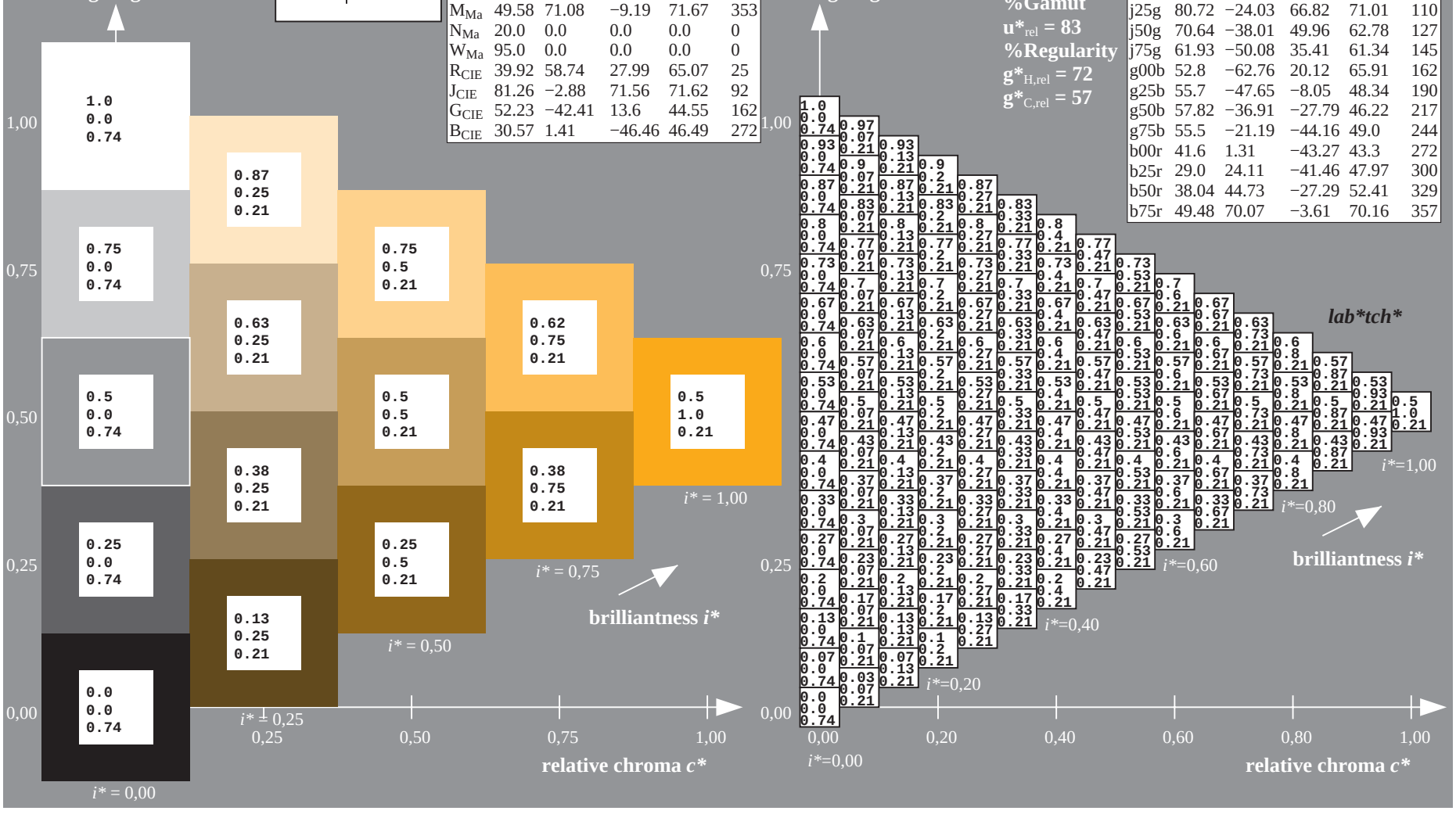
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 75 17 67**
***LAB*LCH**Ma*: 75 69 76**
***lab*rgb**Ma*: 1.0 0.75 0.0**
***lab*olv**Ma*: 1.0 0.63 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u* = r75j
lab*tch*

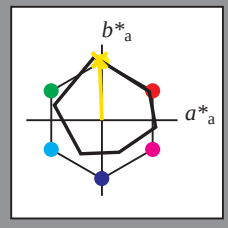
ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

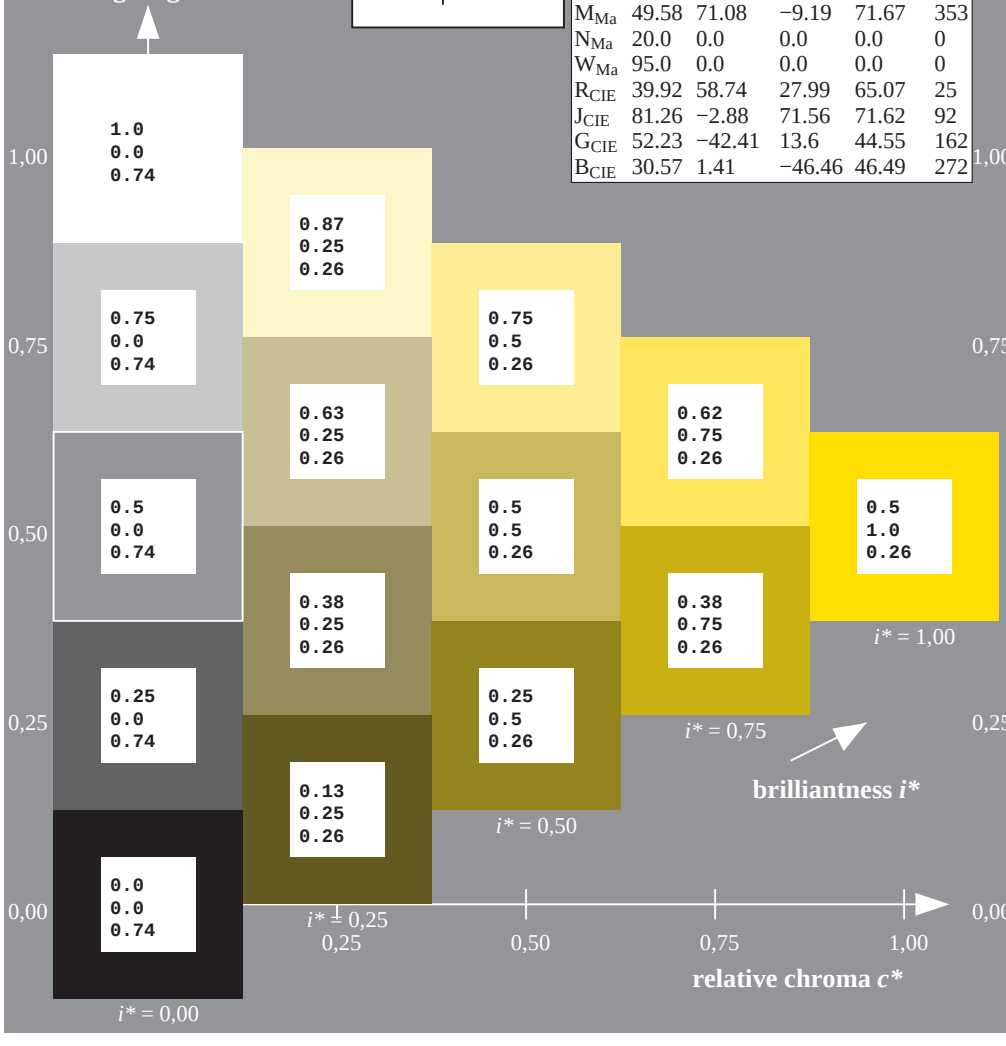
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 87 −2 80**
***LAB*LCH**$_{Ma}$: 87 80 92**
***lab*rgb**$_{Ma}$: 1.0 1.0 0.0**
***lab*olv**$_{Ma}$: 1.0 0.91 0.0**
triangle lightness *t**

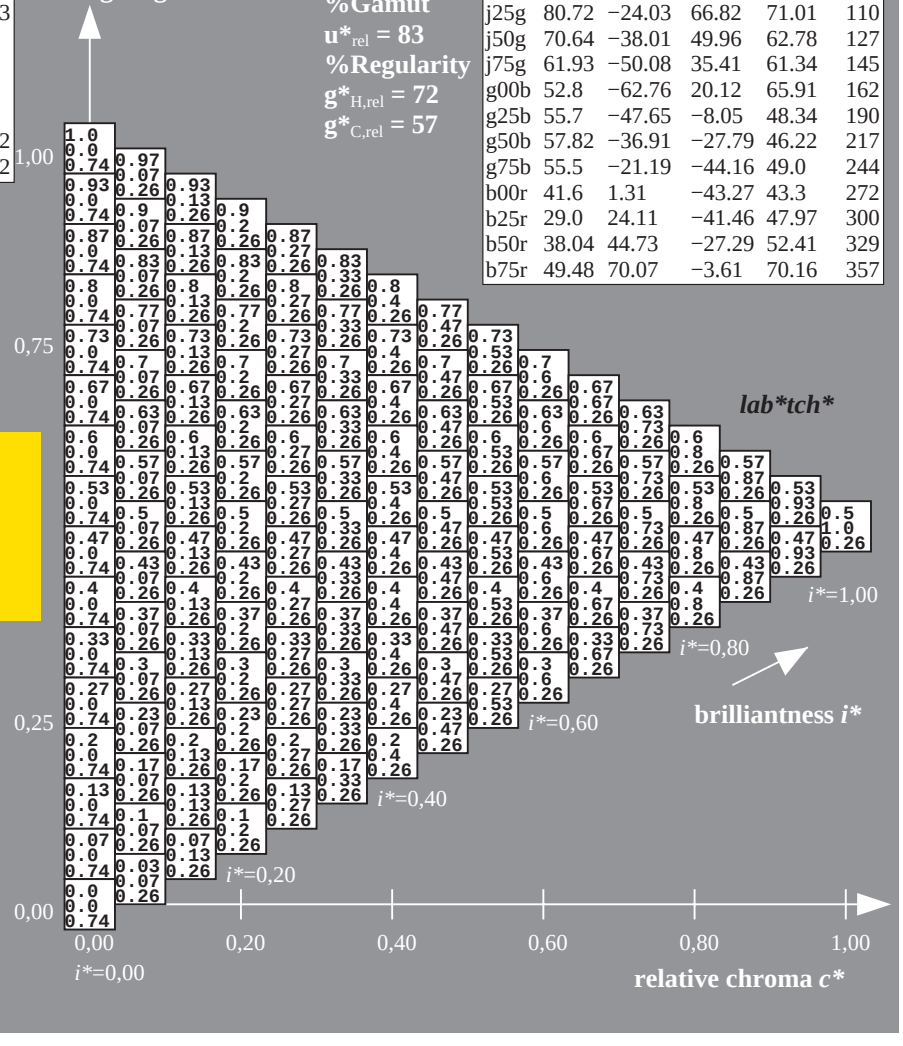
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

***u** = j00g*
lab*tch*

ORS20_95a; adapted (a) CIELAB data

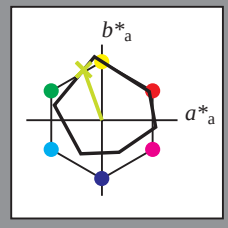
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

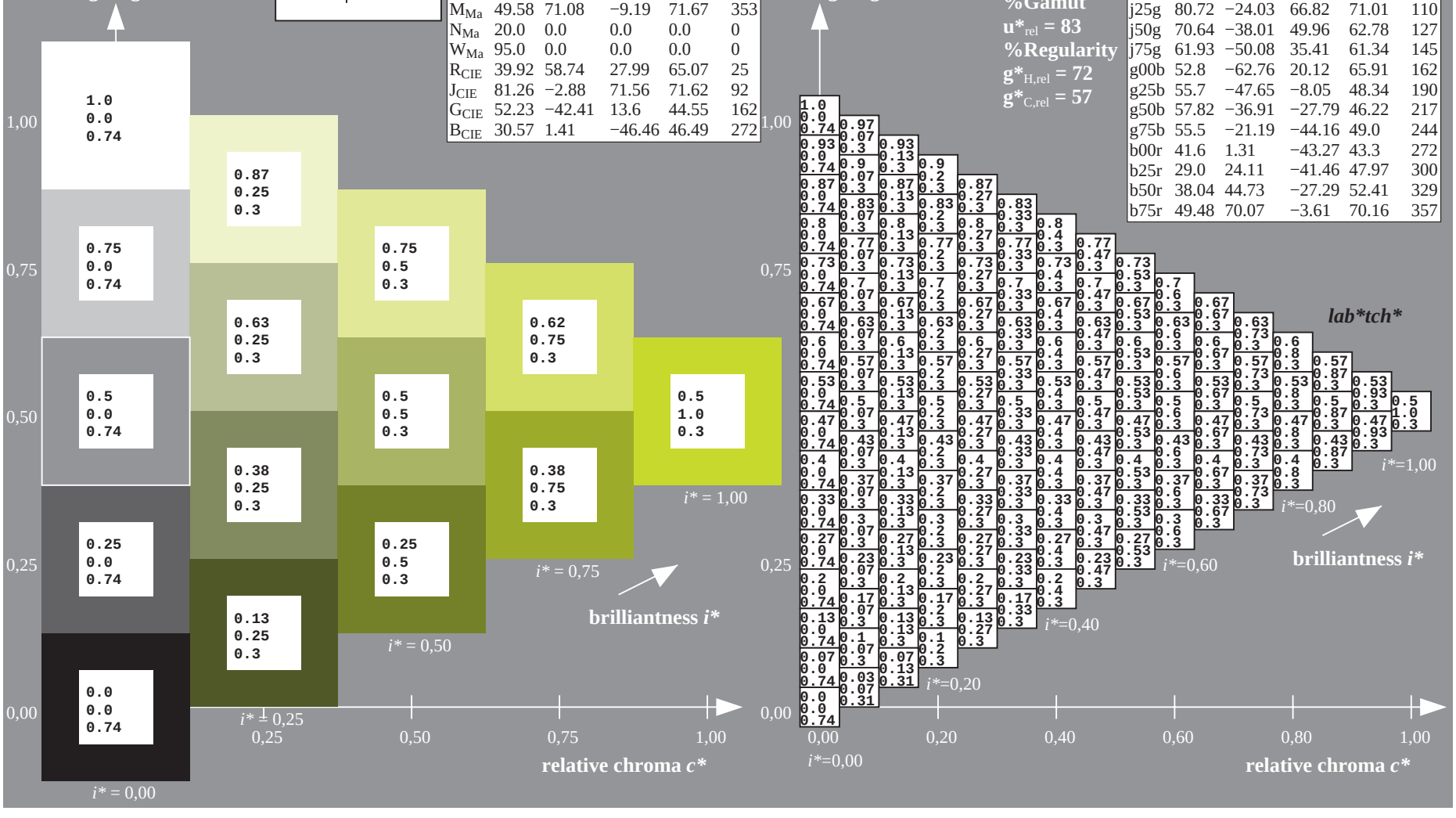
Data for maximum colour (Ma):
LAB*LAB**$_{Ma}$: 81 −23 67
LAB*LCH**$_{Ma}$: 81 71 110
lab*rgb**$_{Ma}$: 0.75 1.0 0.0
lab*olv**$_{Ma}$: 0.73 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = j25g
lab*tch*

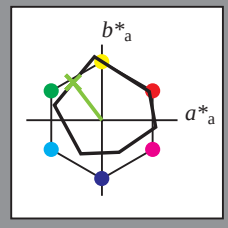
ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

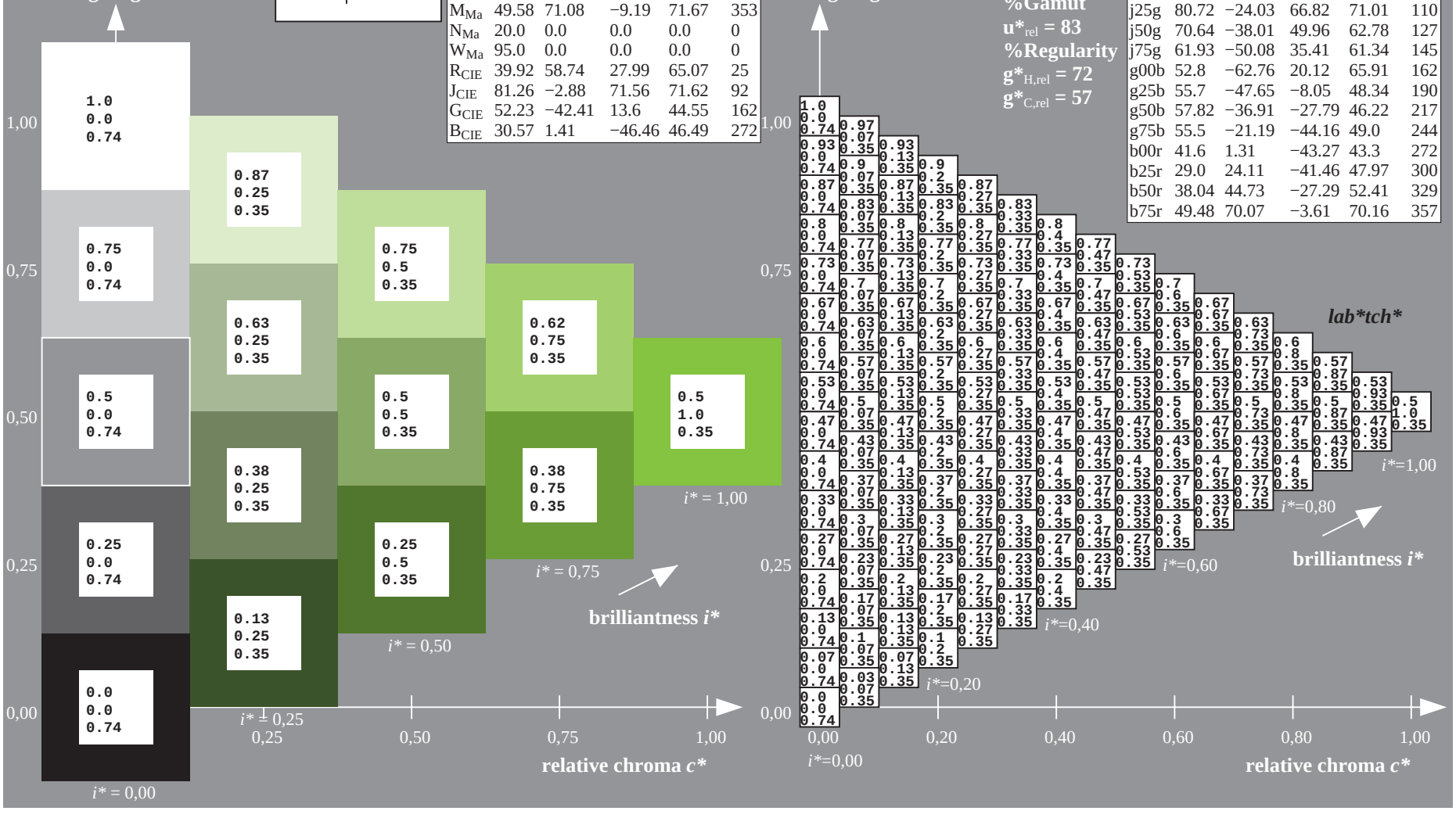
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 71 −37 50**
***LAB*LCH**Ma*: 71 63 127**
***lab*rgb**Ma*: 0.5 1.0 0.0**
***lab*olv**Ma*: 0.47 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u* = j50g
lab*tch*

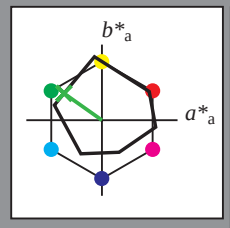
ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a*	*a**a*	*b**a*	*C**ab,a*	*h**ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

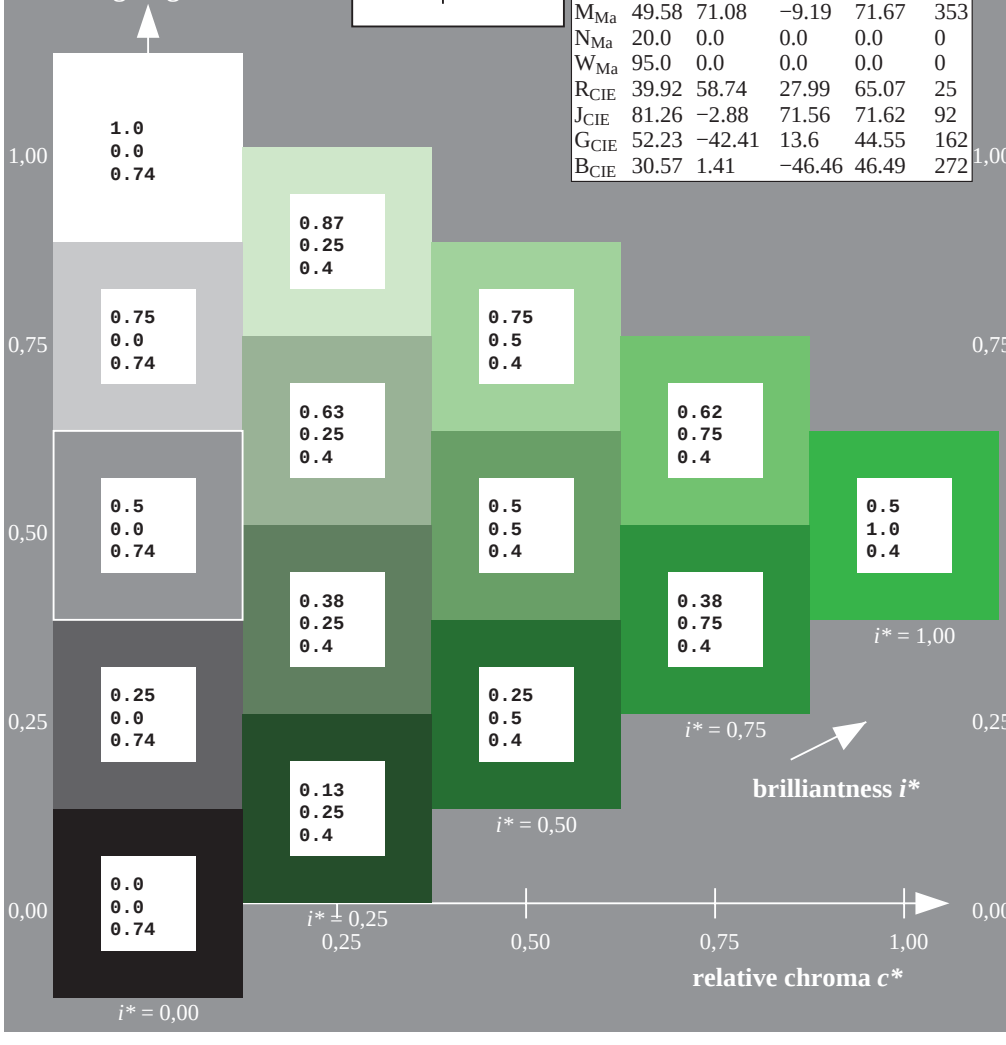
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 62 −49 35**
***LAB*LCH**Ma*: 62 61 145**
***lab*rgb**Ma*: 0.25 1.0 0.0**
***lab*olv**Ma*: 0.24 1.0 0.0**
triangle lightness *t**

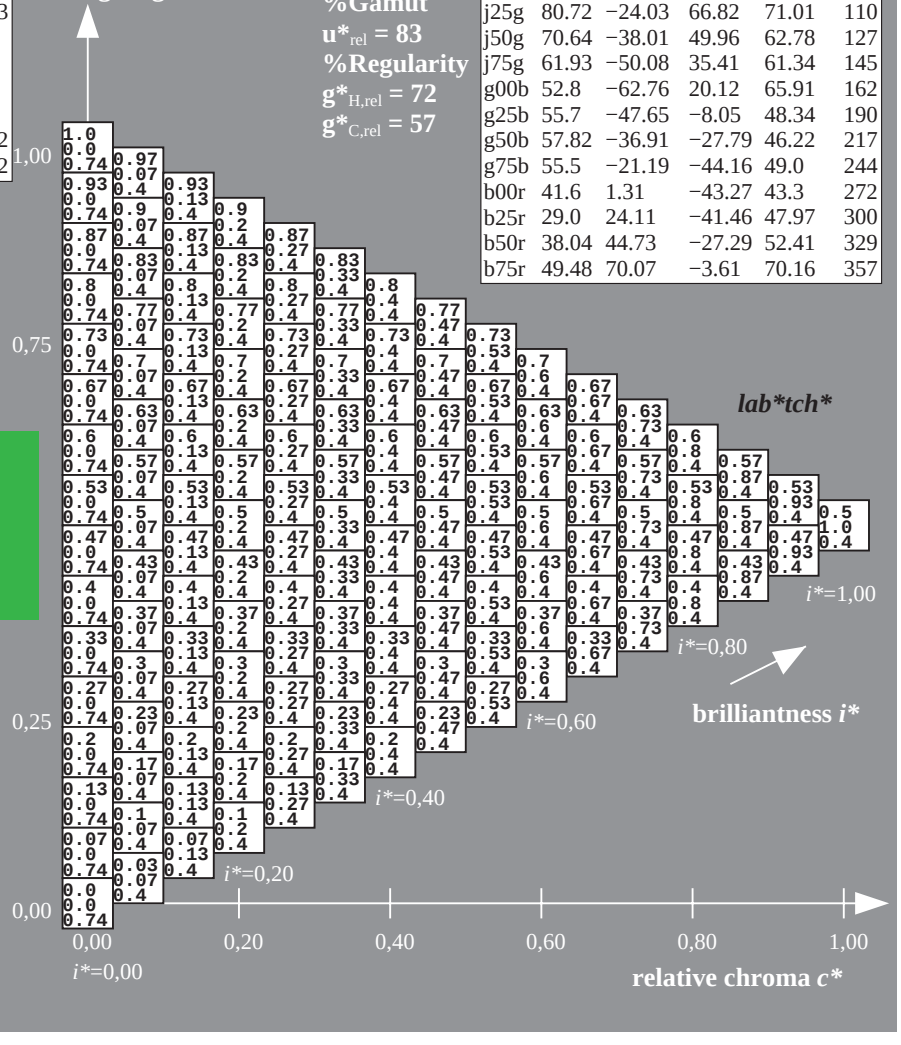
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = j75g
lab*tch*

ORS20_95a; adapted (a) CIELAB data

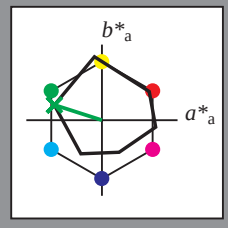
	*L**=*L**a*	*a**a*	*b**a*	*C**ab,a*	*h**ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

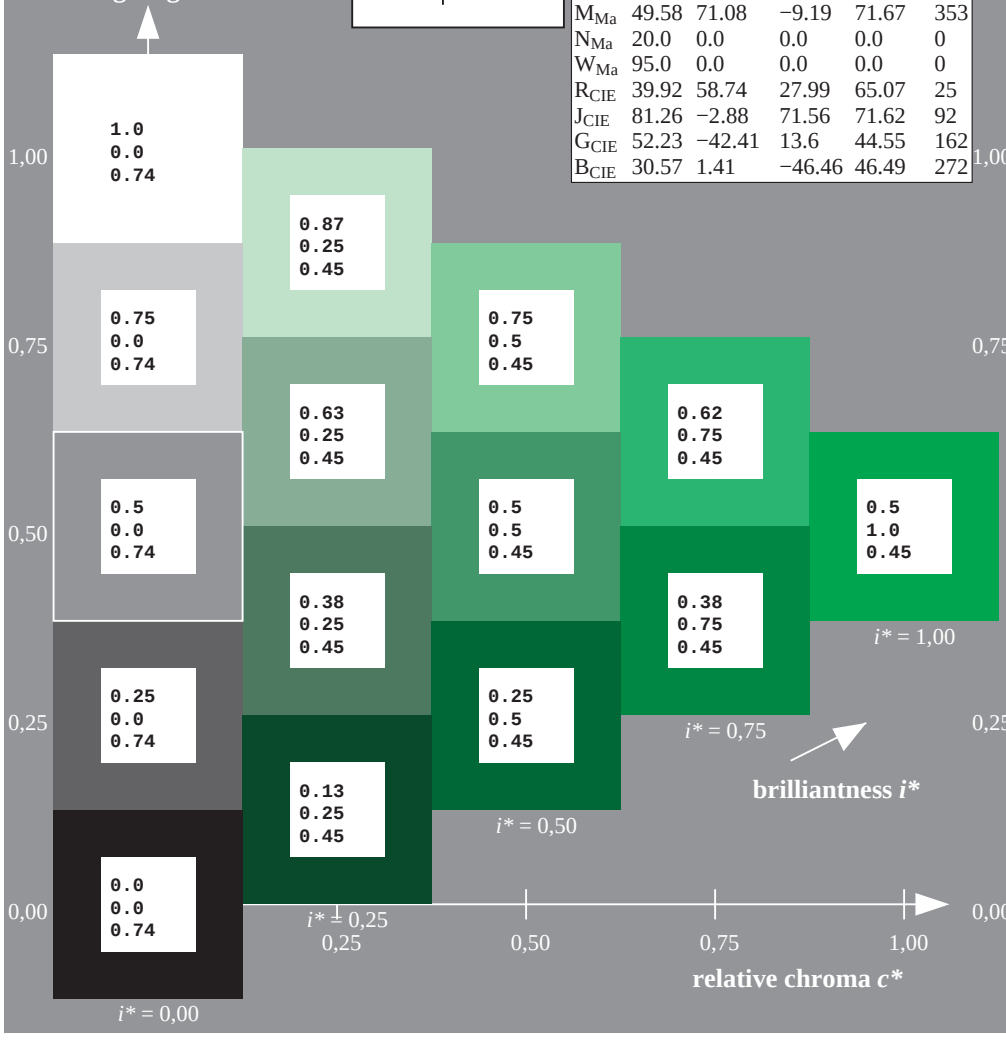
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 53 −62 20**
***LAB*LCH**$_{Ma}$: 53 66 162**
***lab*rgb**$_{Ma}$: 0.0 1.0 0.0**
***lab*olv**$_{Ma}$: 0.0 1.0 0.0**
triangle lightness *t**

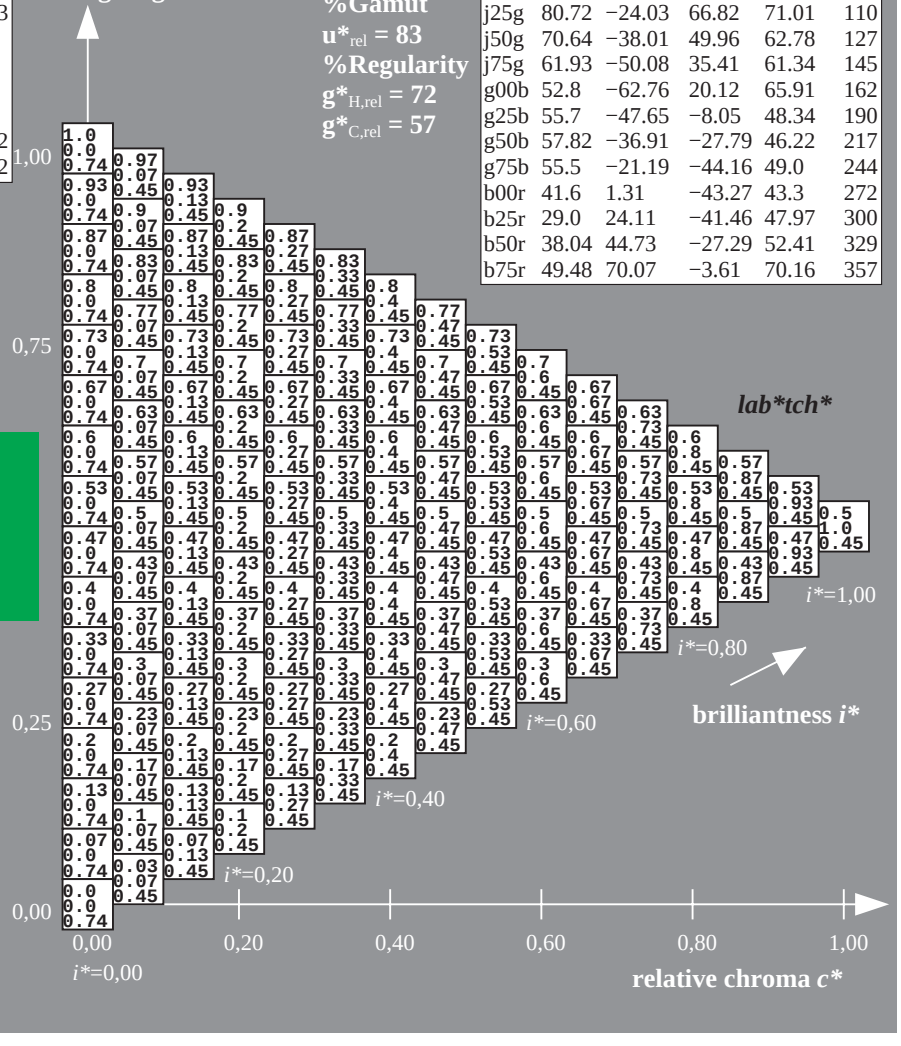
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u* = g00b
lab*tch*

ORS20_95a; adapted (a) CIELAB data

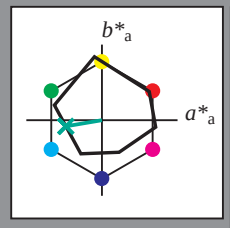
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

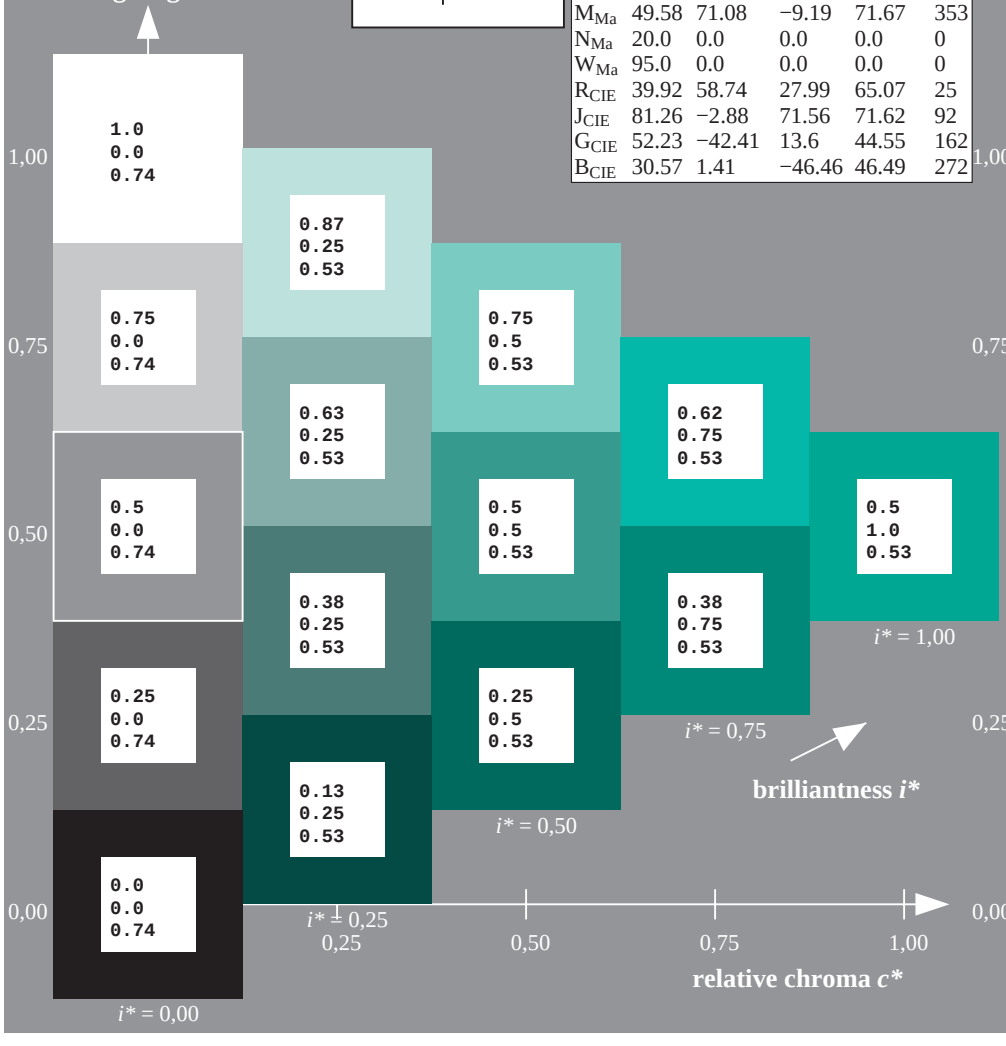
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 56 −47 −7**
***LAB*LCH**$_{Ma}$: 56 48 190**
***lab*rgb**$_{Ma}$: 0.0 1.0 0.5**
***lab*olv**$_{Ma}$: 0.0 1.0 0.44**
triangle lightness *t**

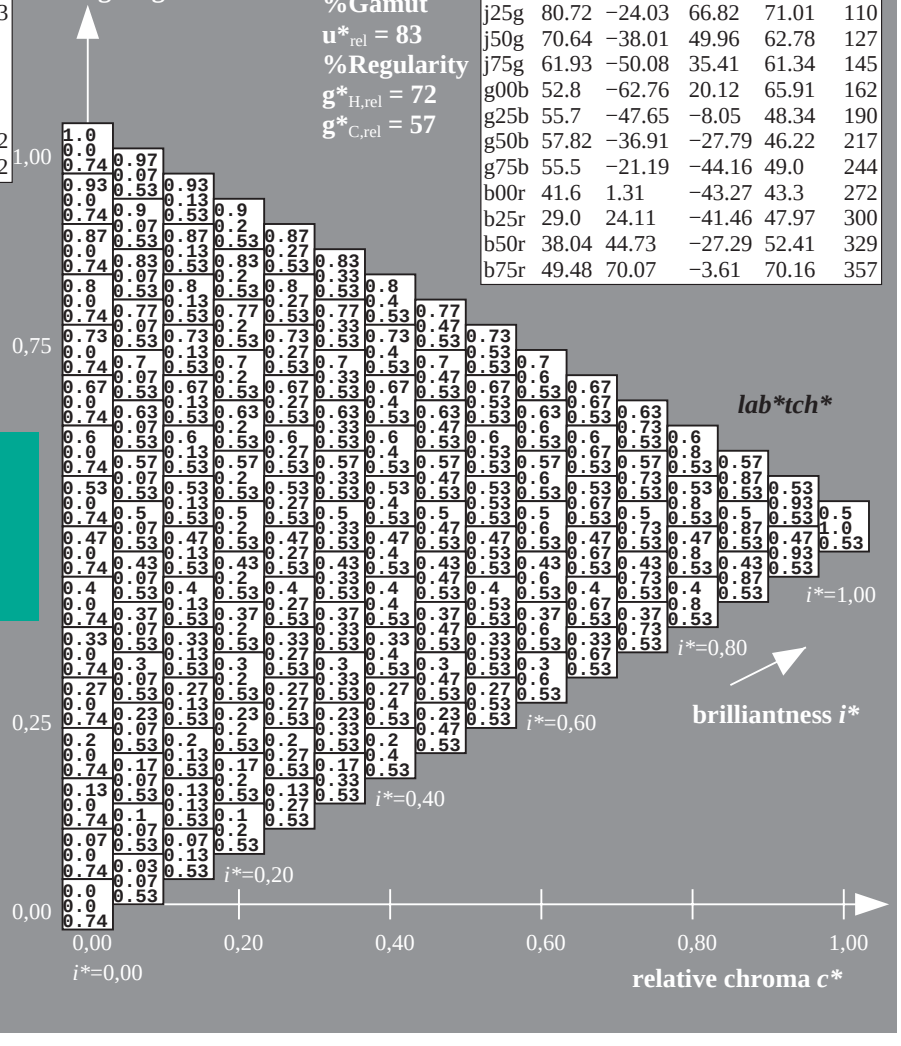
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u* = g25b
lab*tch*

ORS20_95a; adapted (a) CIELAB data

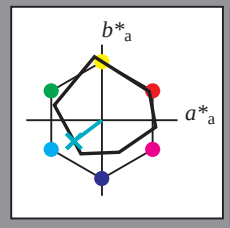
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

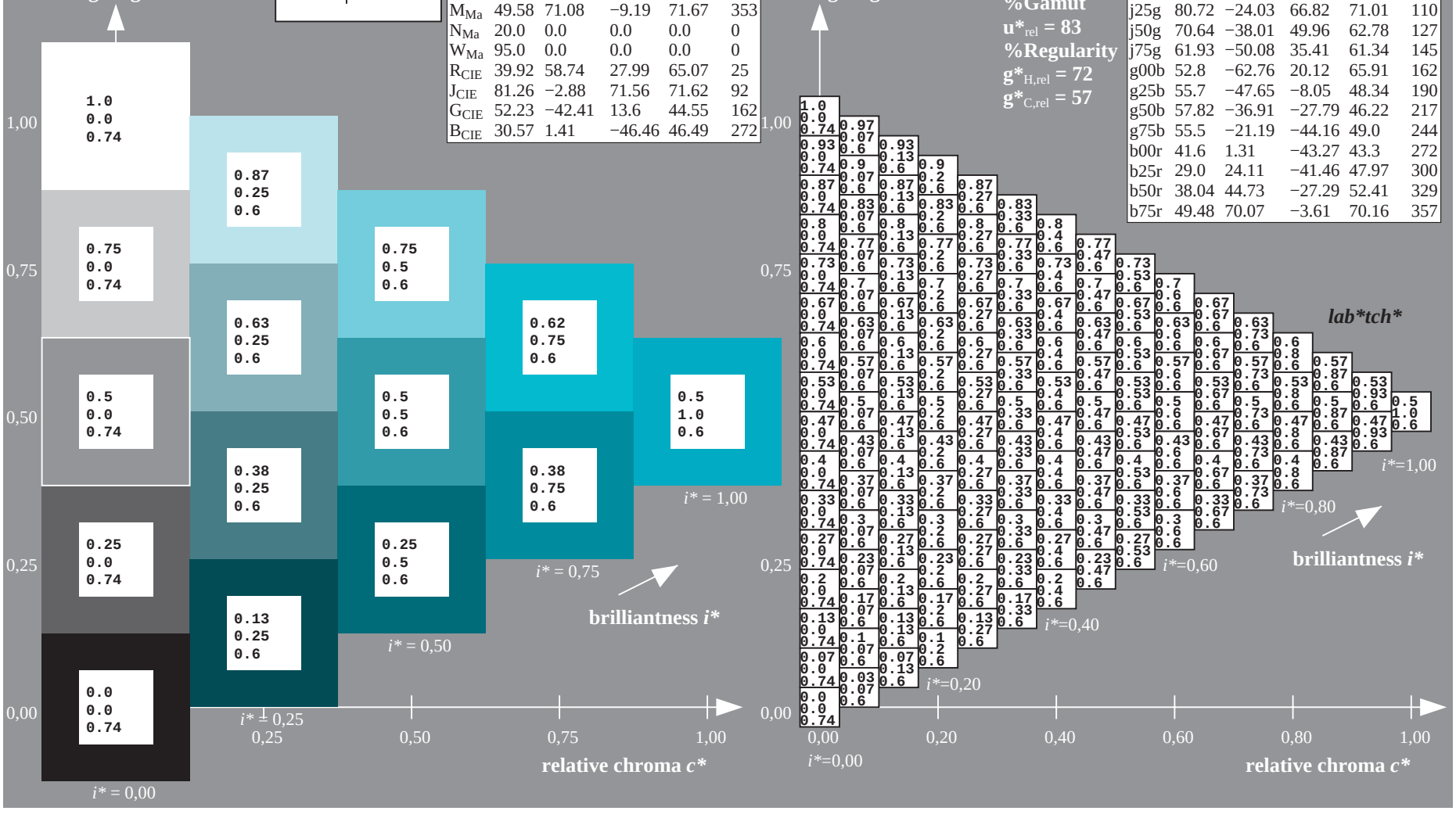
Data for maximum colour (Ma):
LAB*LAB**Ma: 58 −36 −27
LAB*LCH**Ma: 58 46 217
lab*rgb**Ma: 0.0 1.0 1.0
lab*olv**Ma: 0.0 1.0 0.74
triangle lightness *t**

u* = g50b
lab*tch*

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

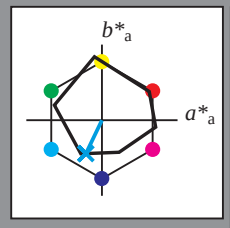
ORS20_95a; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

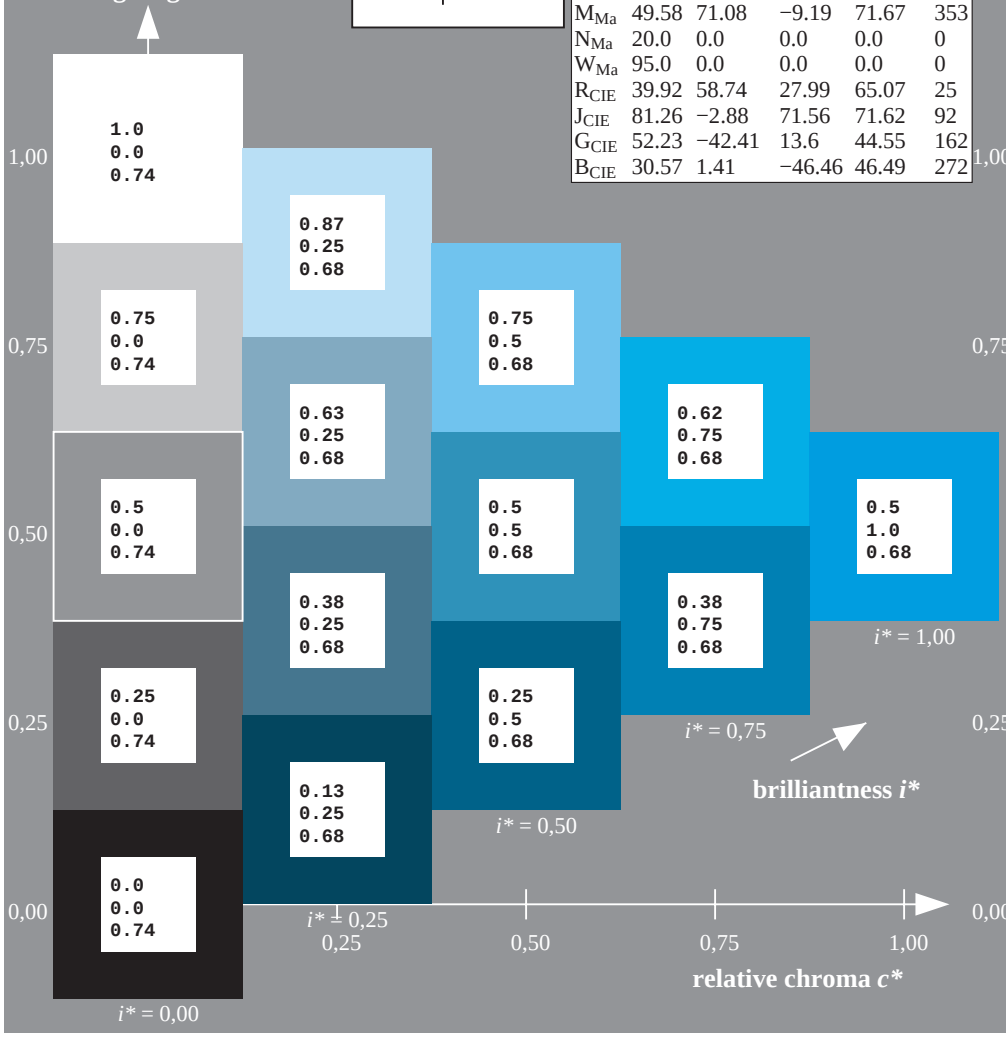
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 55 −20 −43**
***LAB*LCH**$_{Ma}$: 55 49 244**
***lab*rgb**$_{Ma}$: 0.0 0.5 1.0**
***lab*olv**$_{Ma}$: 0.0 0.87 1.0**
triangle lightness *t**

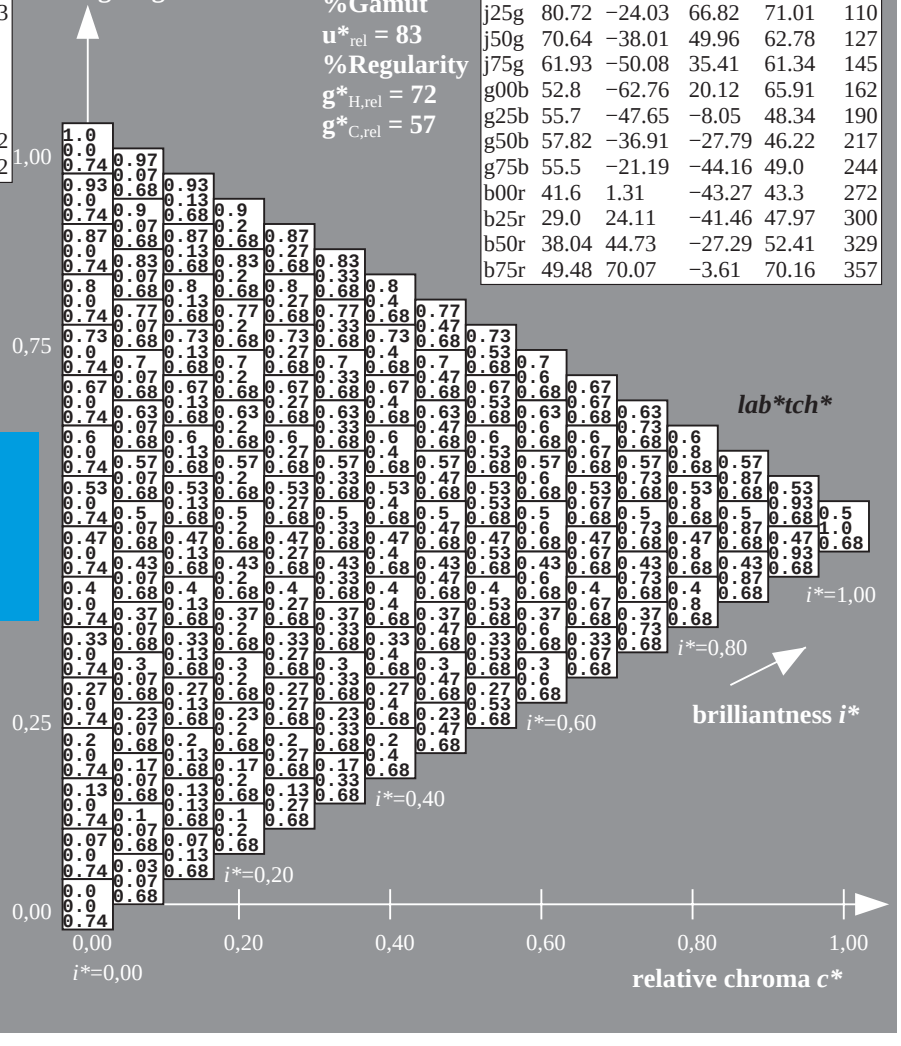
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u* = g75b
lab*tch*

ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

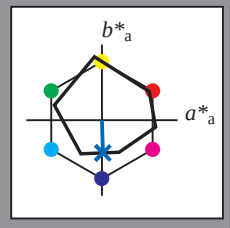




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 272/360 = 0.755**

u* = b00r
lab*tch*

data for any colour:
lab*tch* **and** ***lab*icu****
elementary hue text:
u* = b00r
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

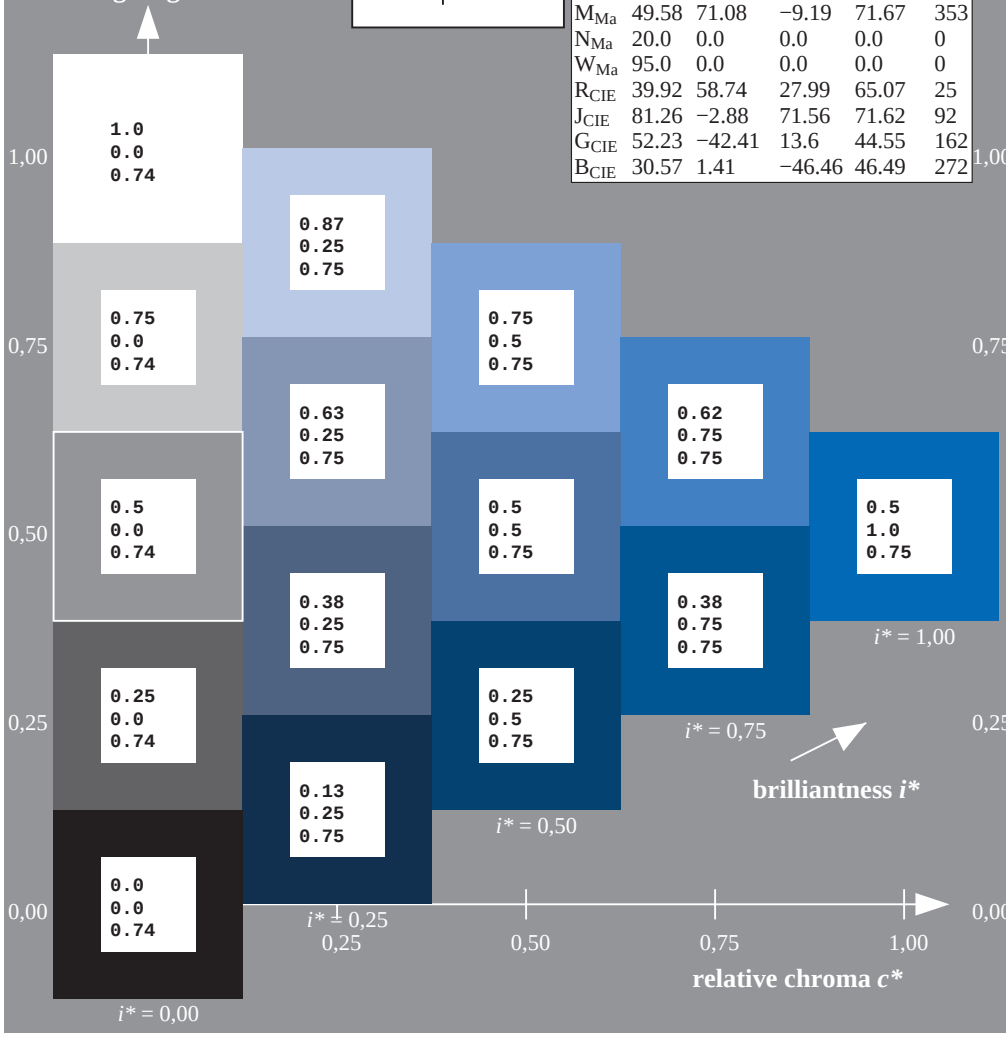
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

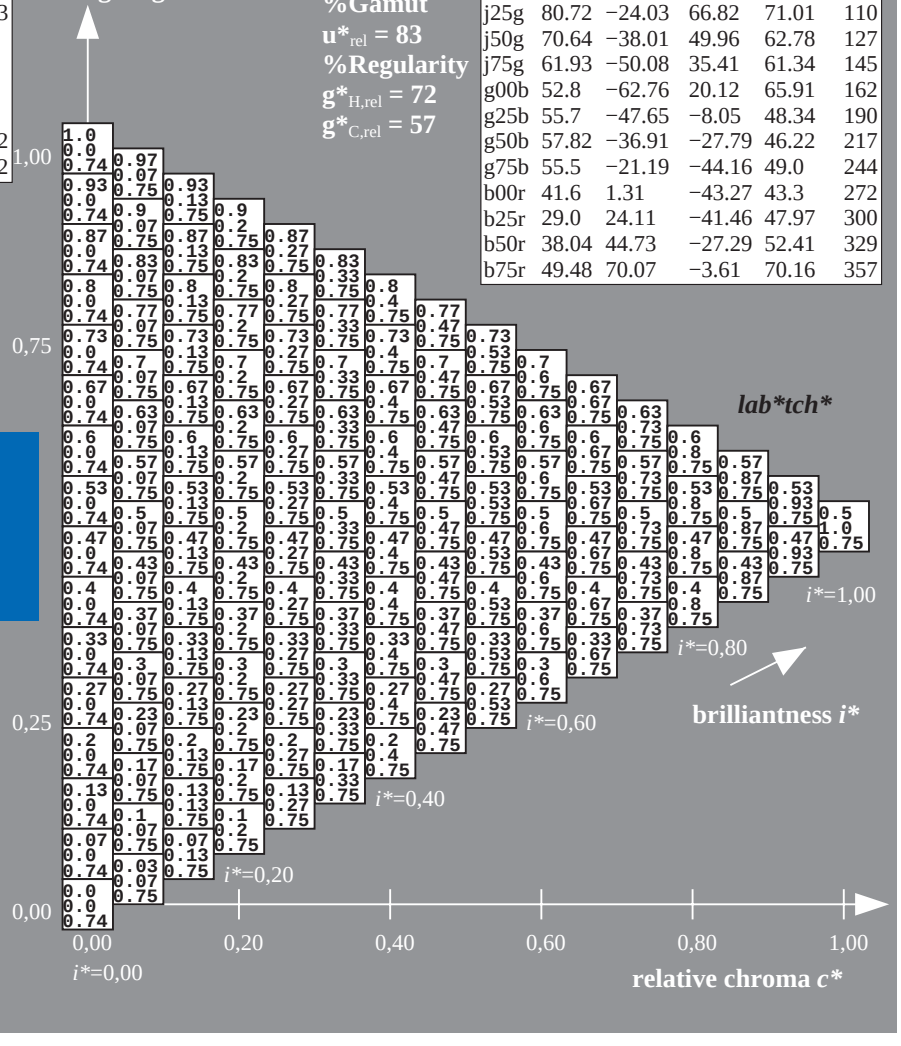
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 42 1 −42
LAB*LCH*$_{Ma}$: 42 43 272
lab*rgb*$_{Ma}$: 0.0 0.0 1.0
lab*olv*$_{Ma}$: 0.0 0.42 1.0
triangle lightness *t*

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

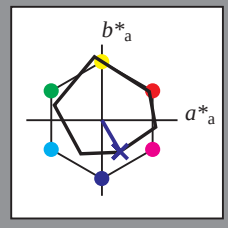
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

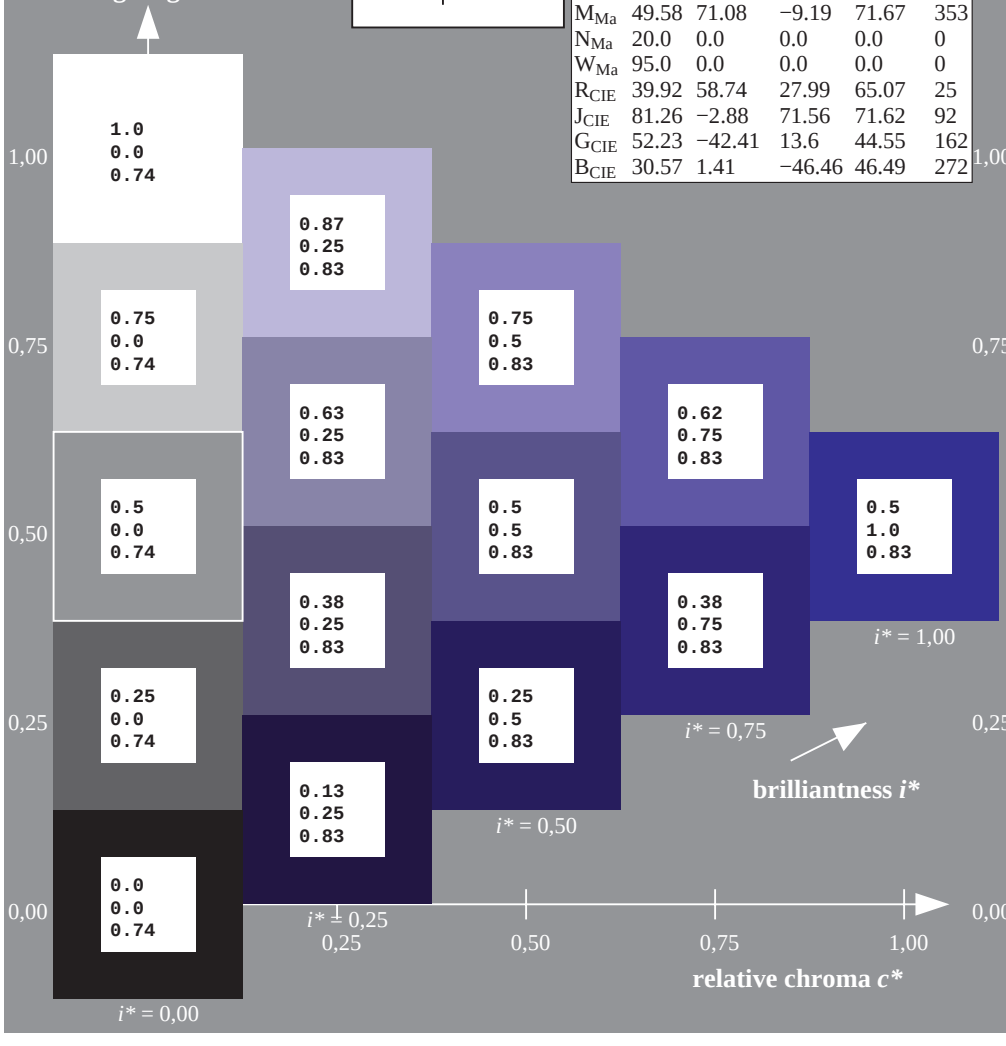
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 29 24 −40**
***LAB*LCH**$_{Ma}$: 29 48 300**
***lab*rgb**$_{Ma}$: 0.5 0.0 1.0**
***lab*olv**$_{Ma}$: 0.03 0.0 1.0**
triangle lightness *t**

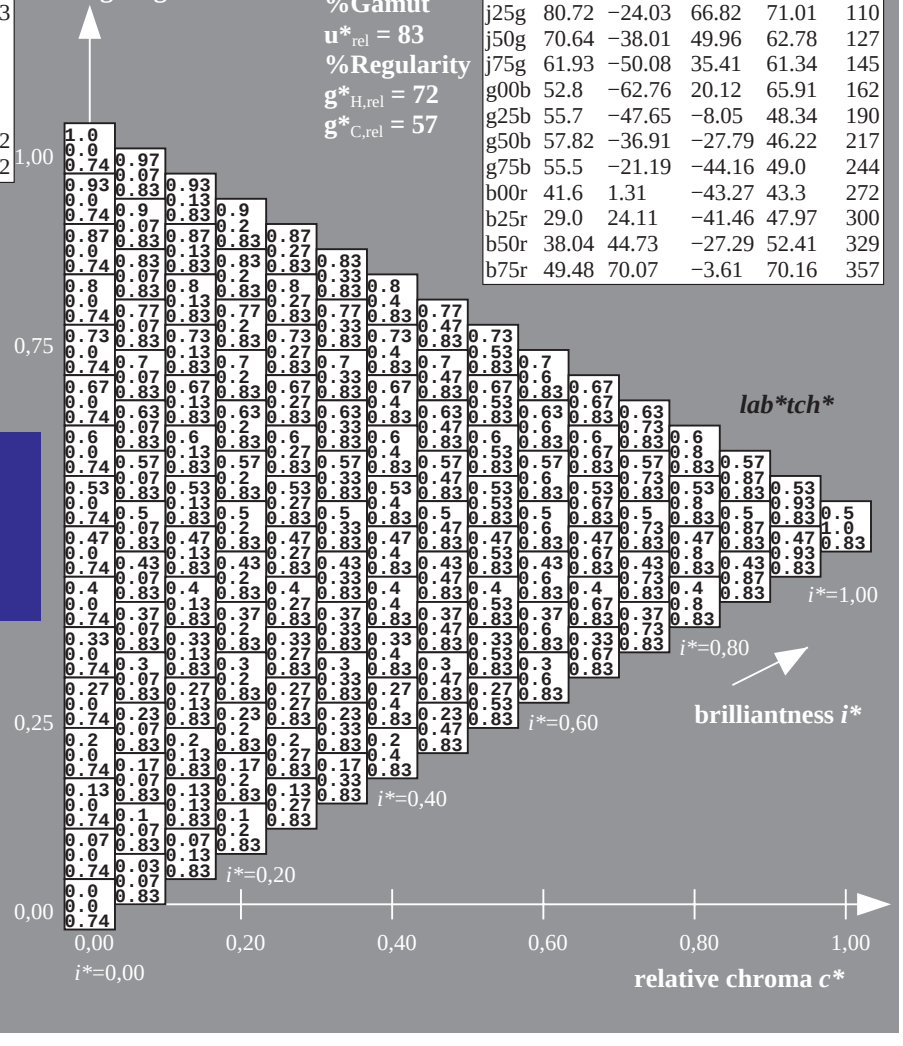
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = b25r
lab*tch*

ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

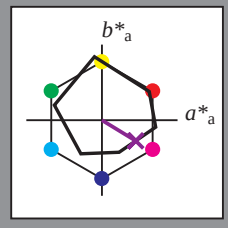




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 329/360 = 0.913**

u* = b50r
lab*tch*

data for any colour:
lab*tch* **and** ***lab*icu****
elementary hue text:
u* = b50r
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

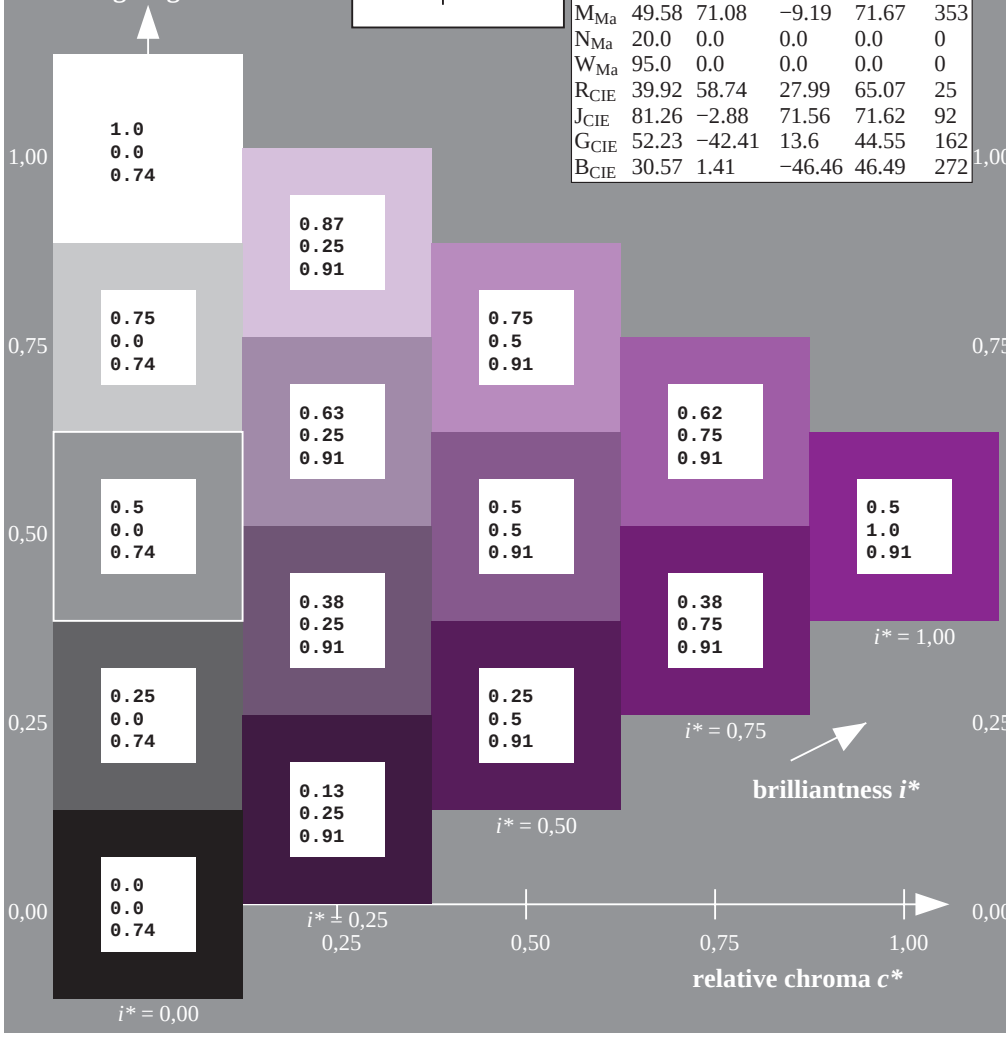
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

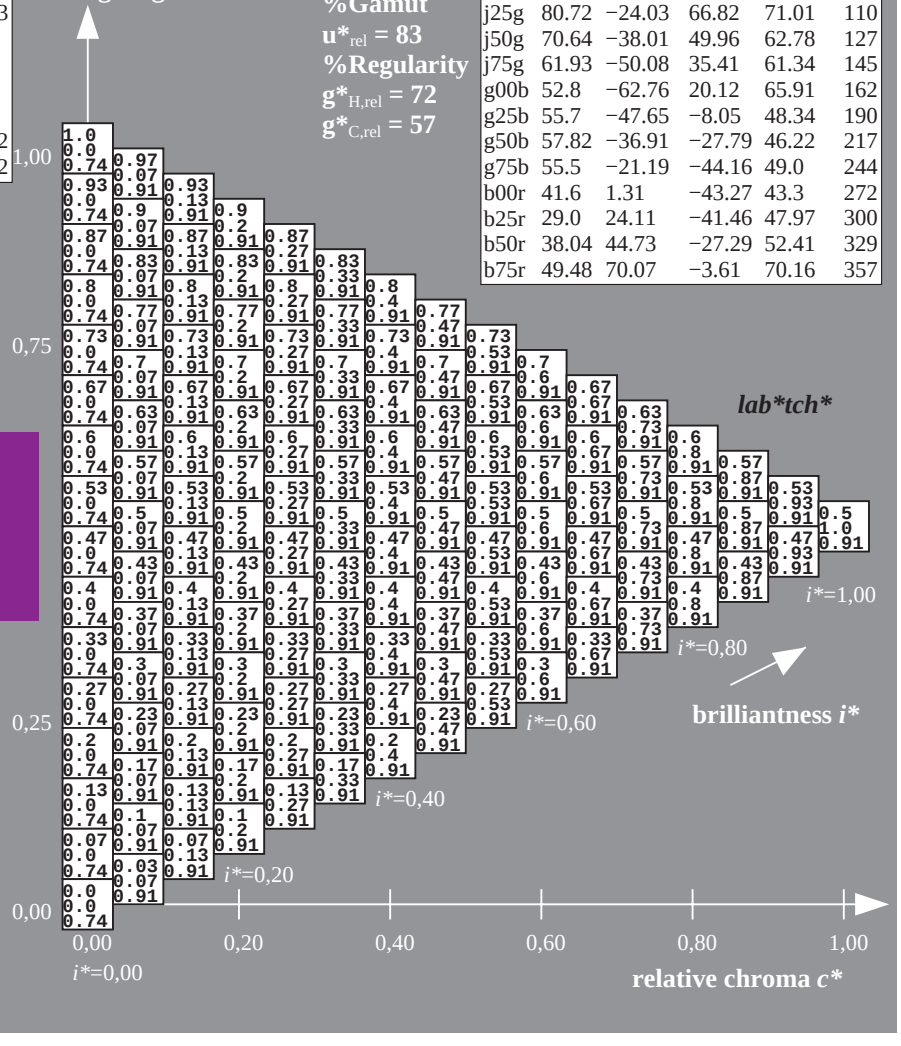
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 38 45 −26**
LAB*LCH*$_{Ma}$**: 38 52 329**
lab*rgb*$_{Ma}$**: 1.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.46 0.0 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

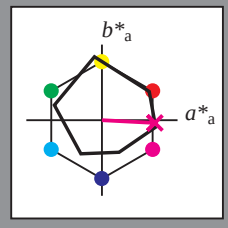
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

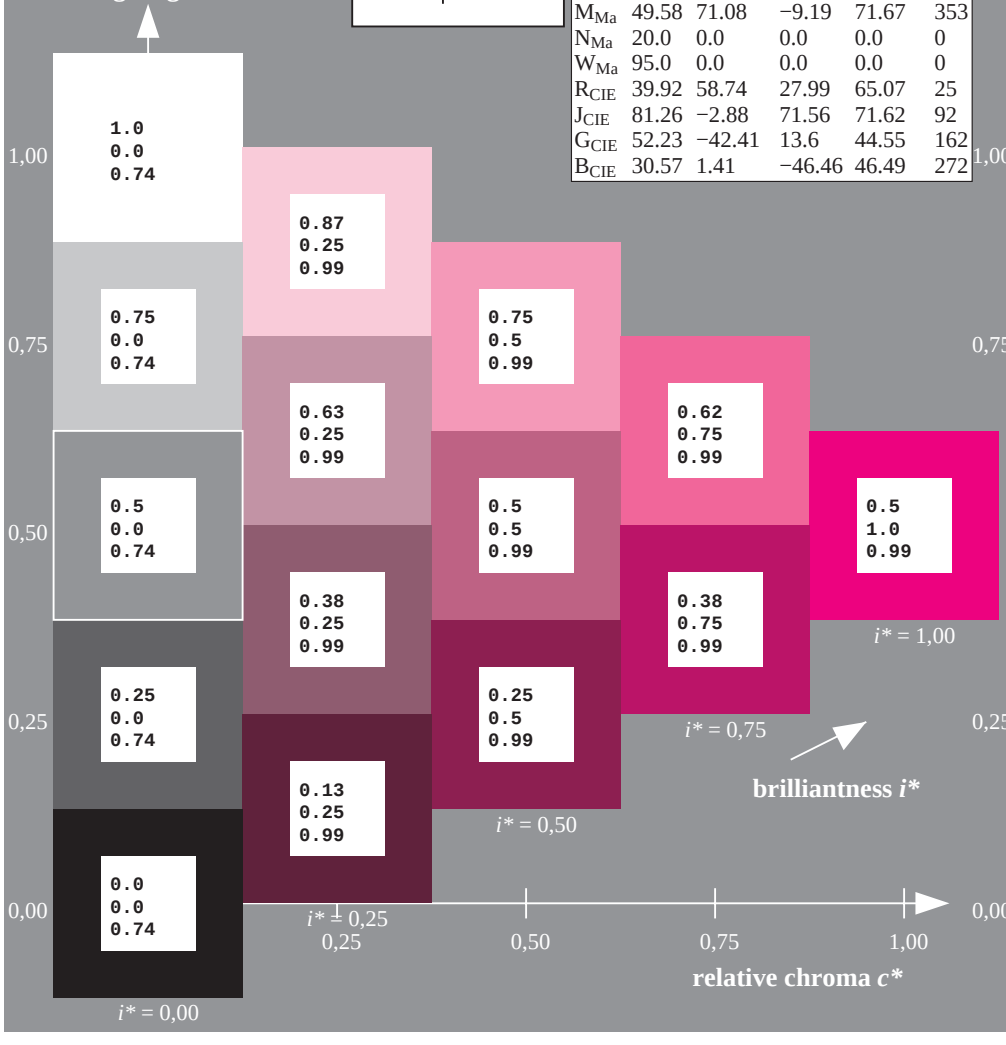
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 49 70 −3**
***LAB*LCH**$_{Ma}$: 49 70 357**
***lab*rgb**$_{Ma}$: 1.0 0.0 0.5**
***lab*olv**$_{Ma}$: 1.0 0.0 0.88**
triangle lightness *t**

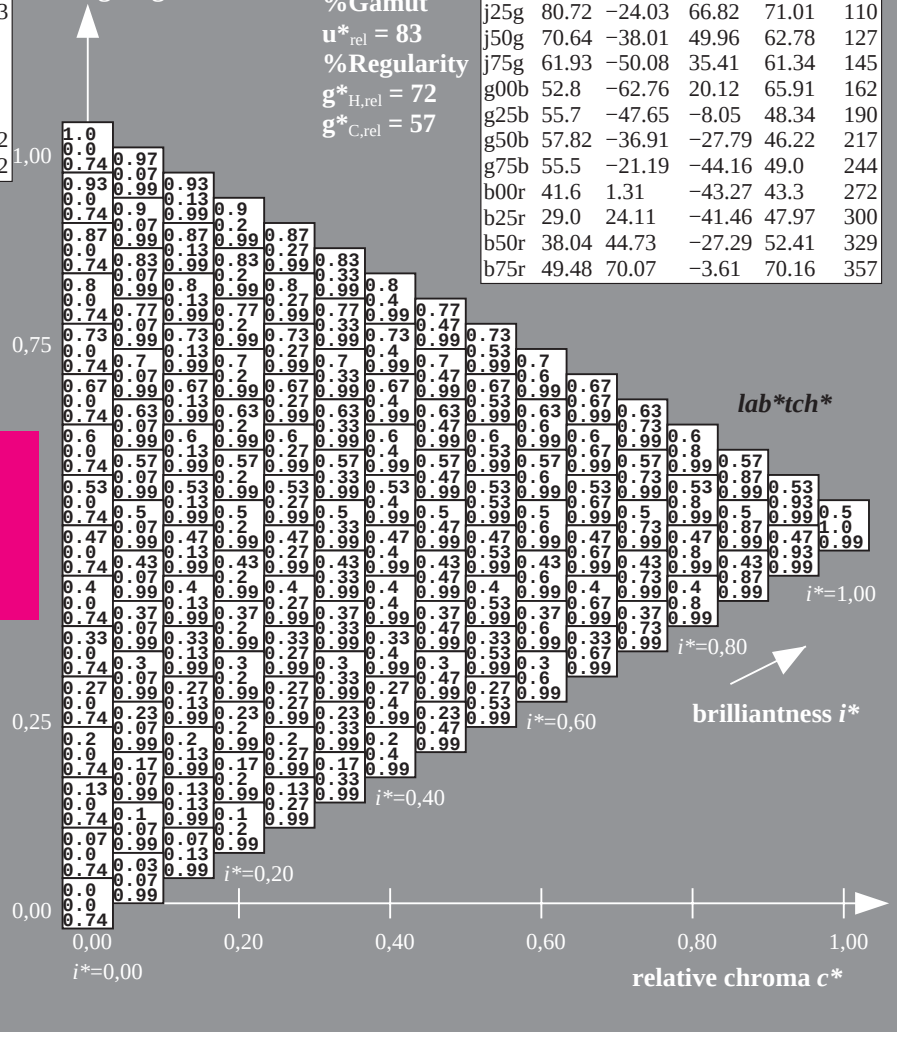
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

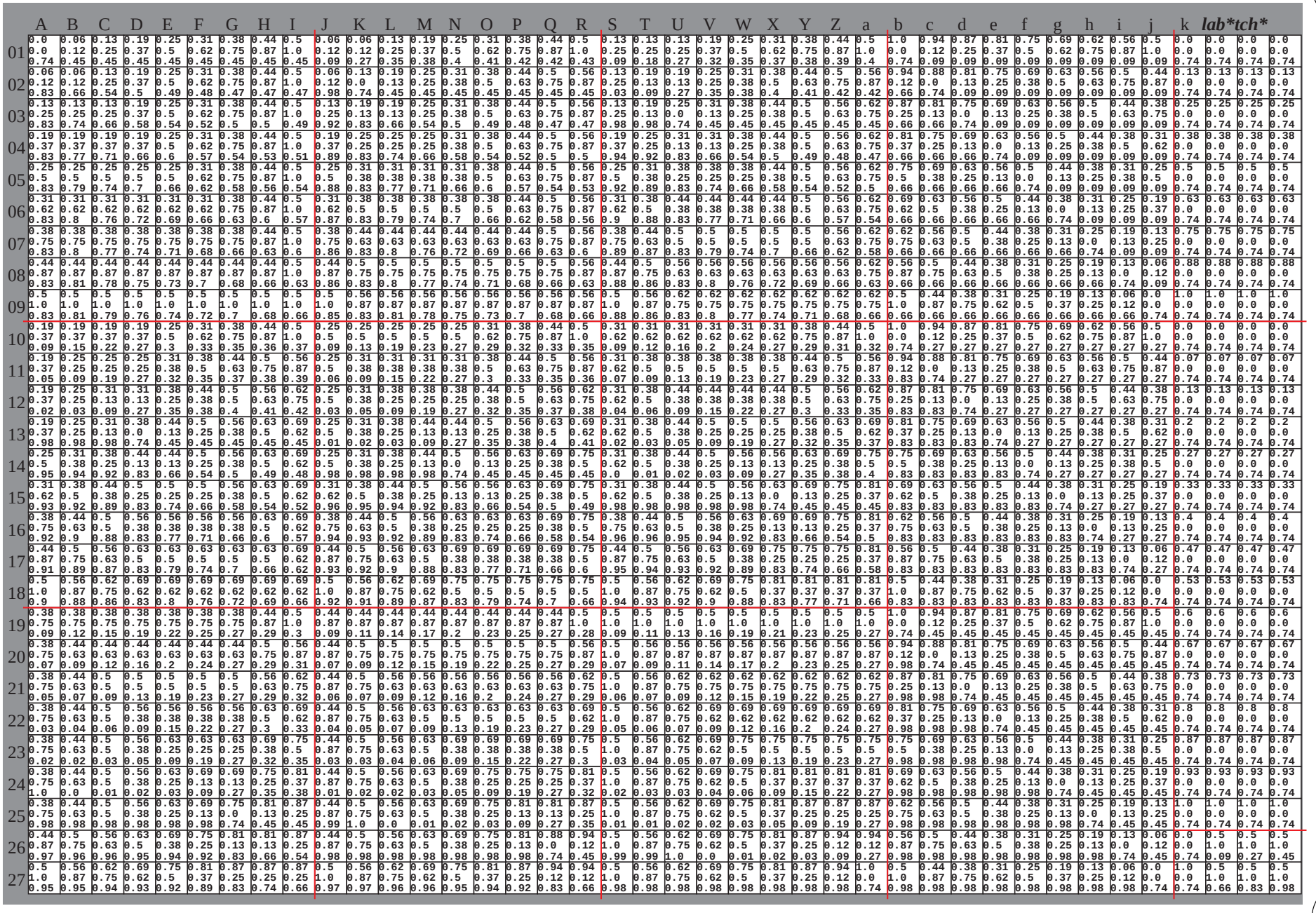
u* = b75r
lab*tch*

ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



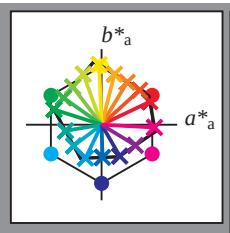




Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
lab*tch* **and** ***lab*icu****
elementary hue text:
u* **= 16 hues** ***r00j, r25j, ..., b75r***
contrast reduction factor:
c_R **= 0.96**

ORS20_95a; adapted (a) CIELAB data

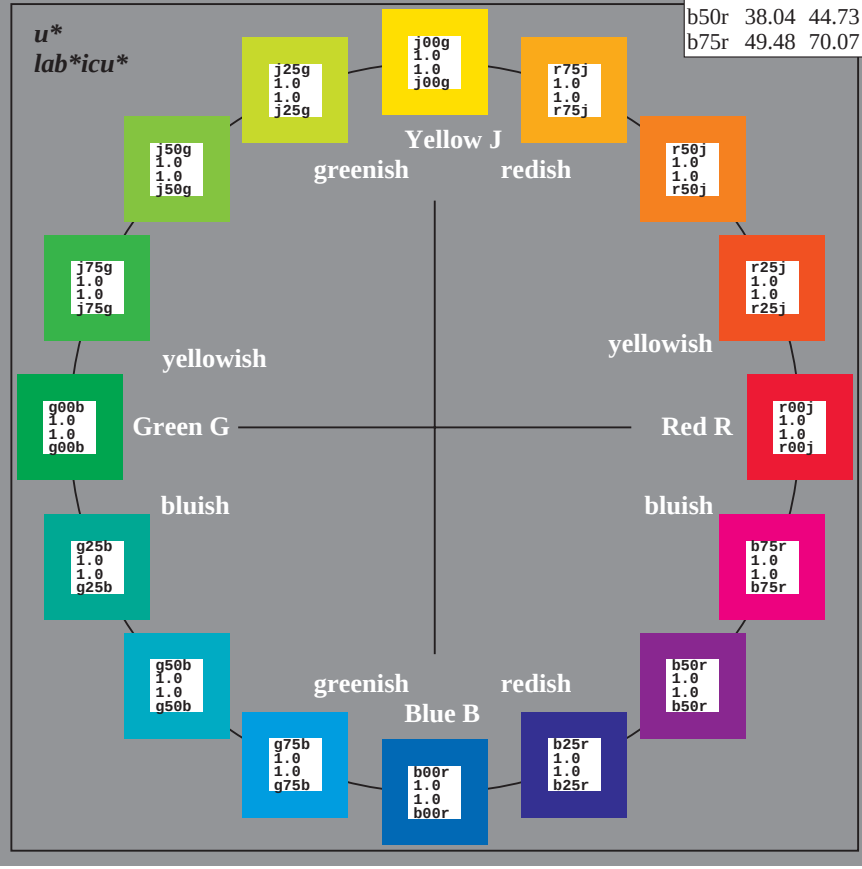
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

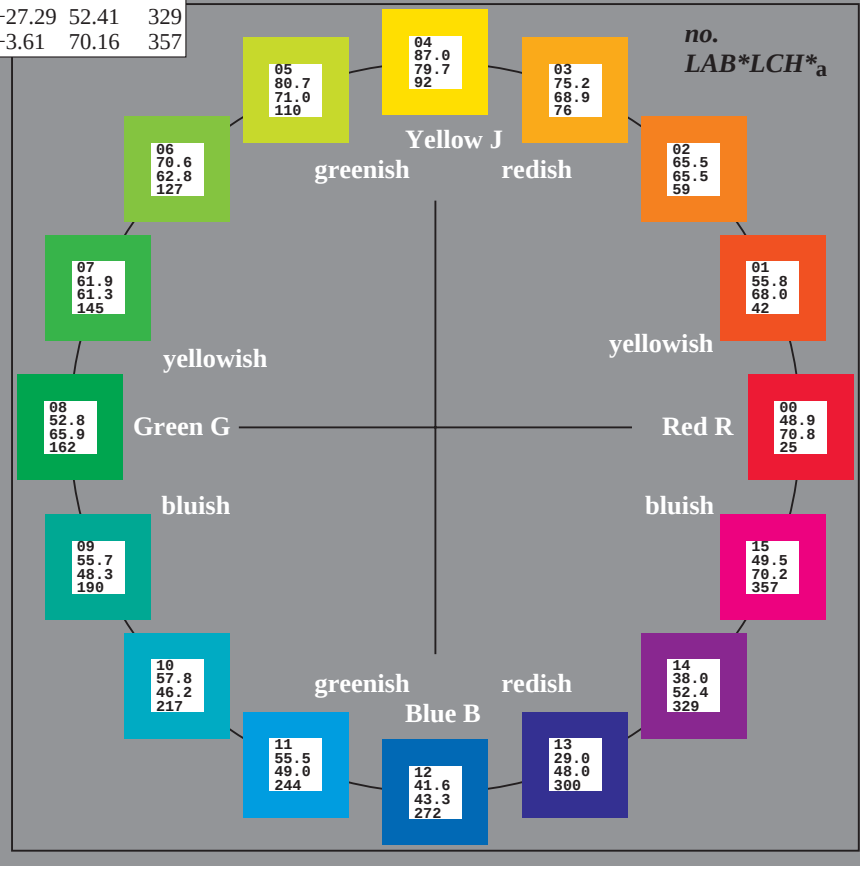


%Gamut
u*$_{rel}$ = 83
%Regularity
g*$_{H,rel}$ = 72
g*$_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

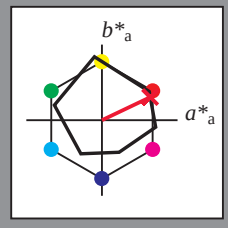
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	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 ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

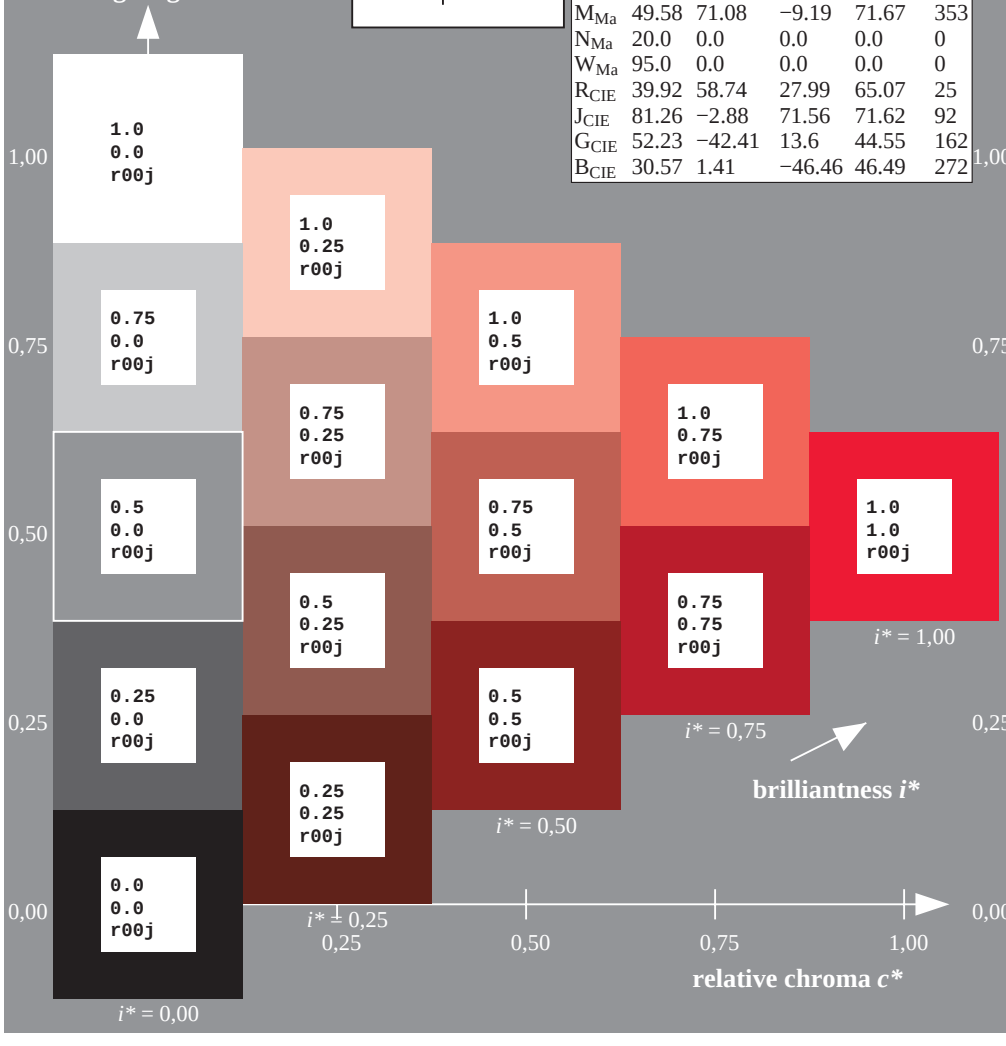
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 49 64 30**
***LAB*LCH**$_{Ma}$: 49 71 25**
***lab*rgb**$_{Ma}$: 1.0 0.0 0.0**
***lab*olv**$_{Ma}$: 1.0 0.0 0.16**
triangle lightness *t**

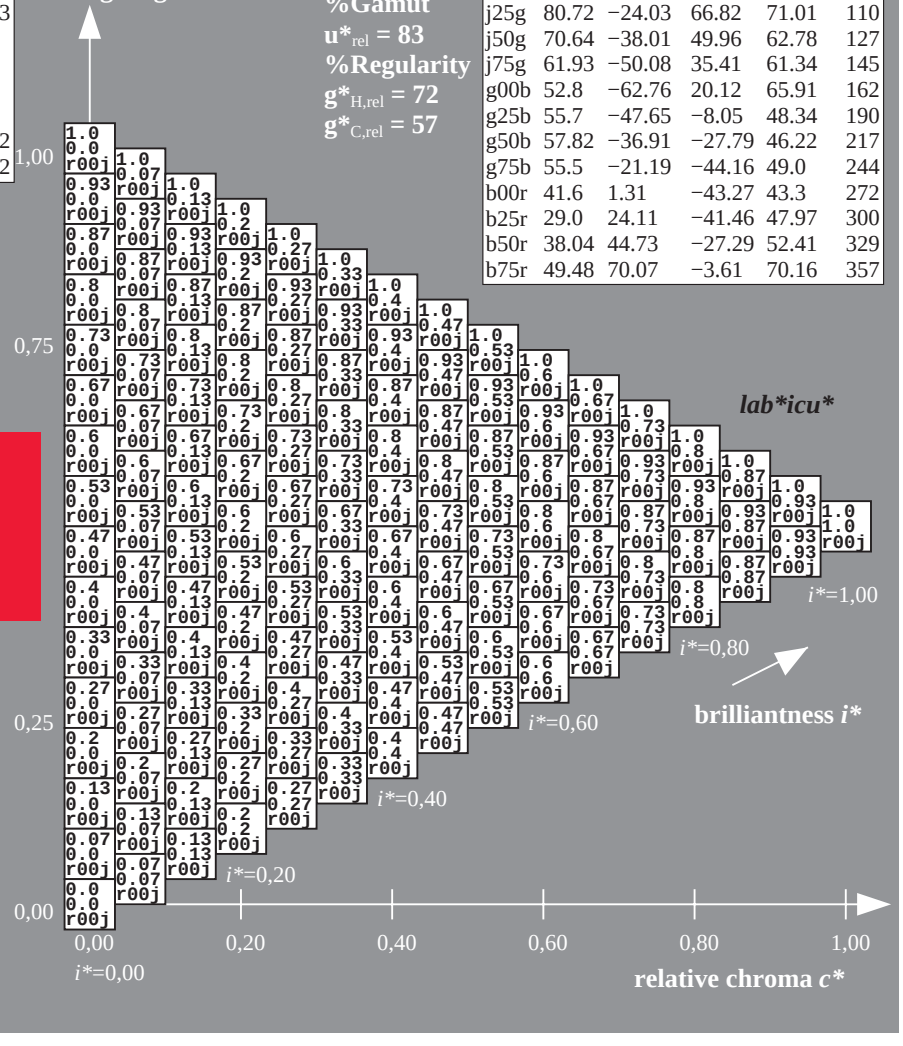
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = r00j
lab*icu*

ORS20_95a; adapted (a) CIELAB data

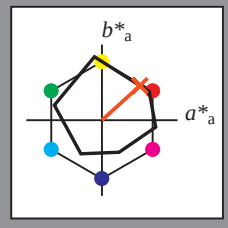
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

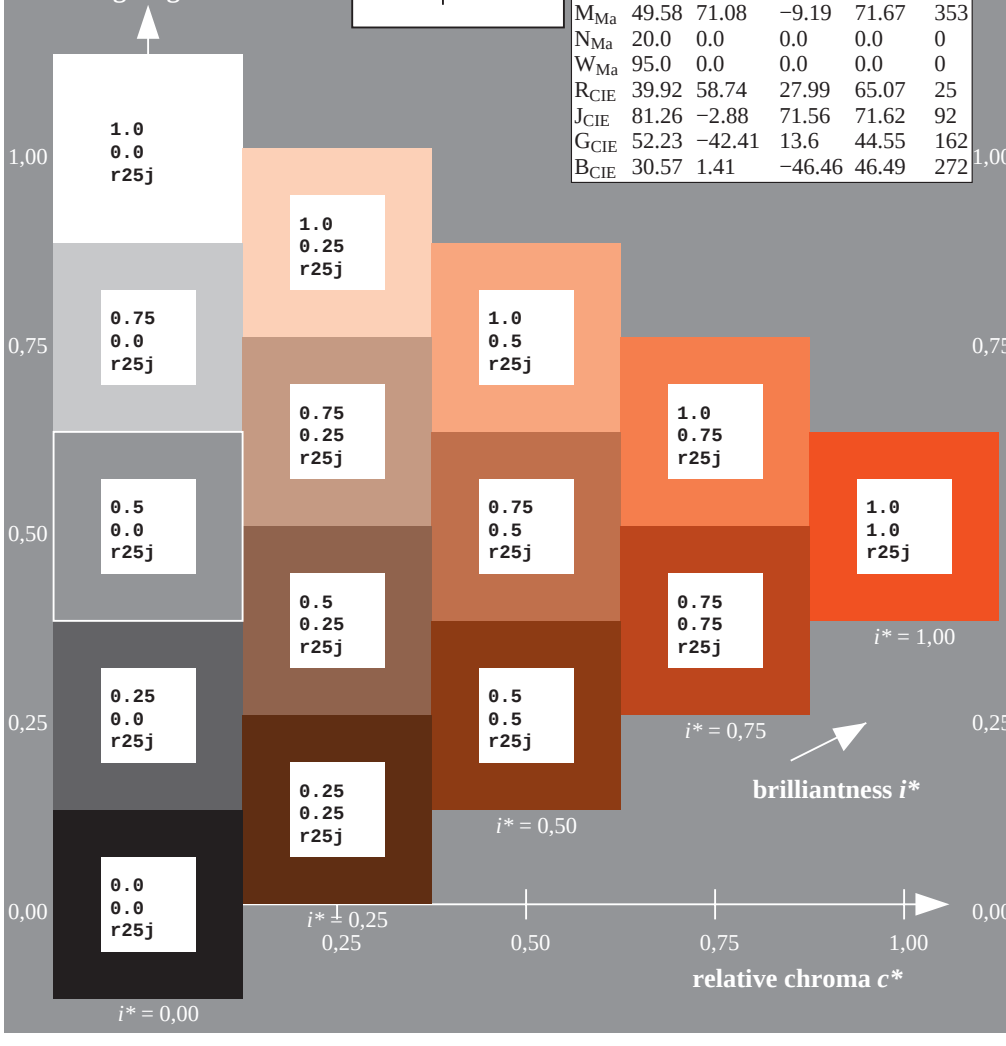
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 56 50 46**
***LAB*LCH**$_{Ma}$: 56 68 42**
***lab*rgb**$_{Ma}$: 1.0 0.25 0.0**
***lab*olv**$_{Ma}$: 1.0 0.17 0.0**
triangle lightness *t**

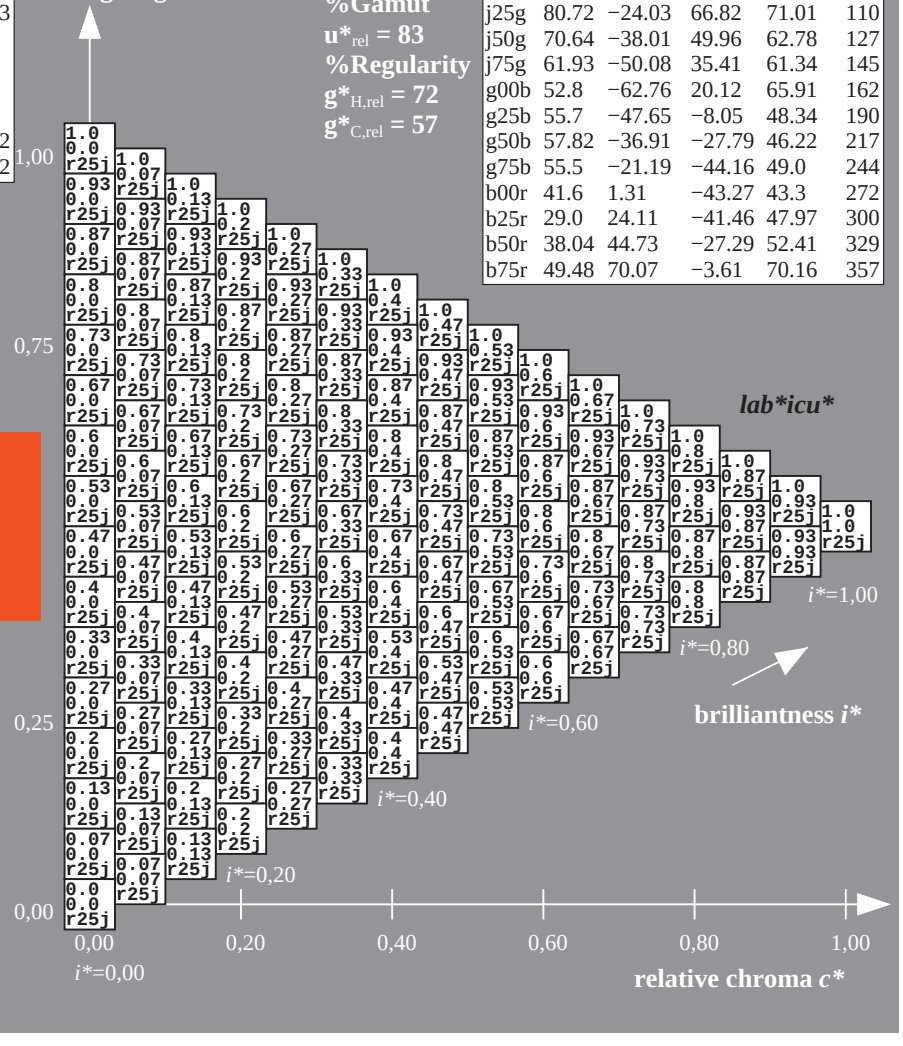
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = r25j
lab*icu*

ORS20_95a; adapted (a) CIELAB data

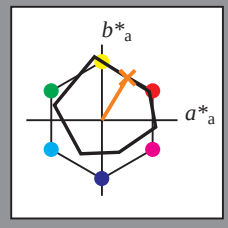
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

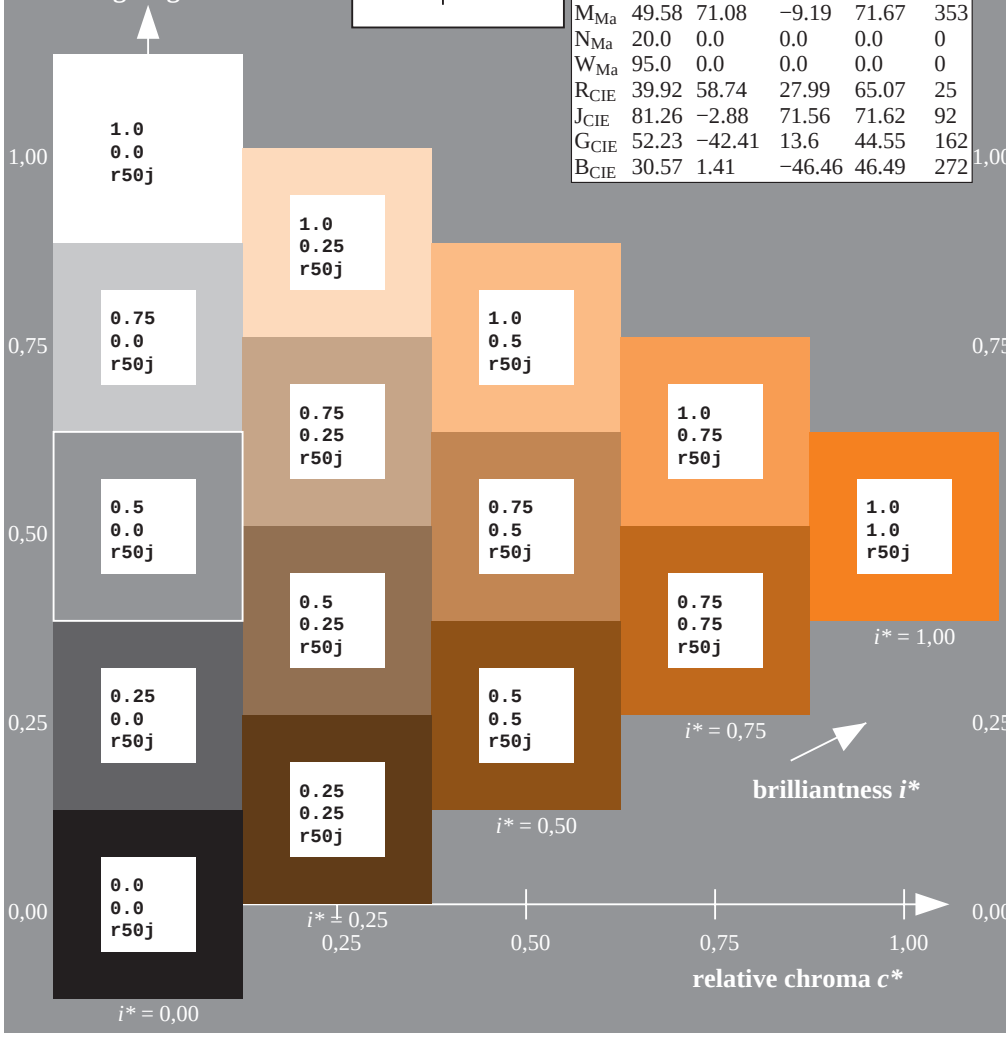
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 65 34 56**
***LAB*LCH**$_{Ma}$: 65 66 59**
***lab*rgb**$_{Ma}$: 1.0 0.5 0.0**
***lab*olv**$_{Ma}$: 1.0 0.4 0.0**
triangle lightness *t**

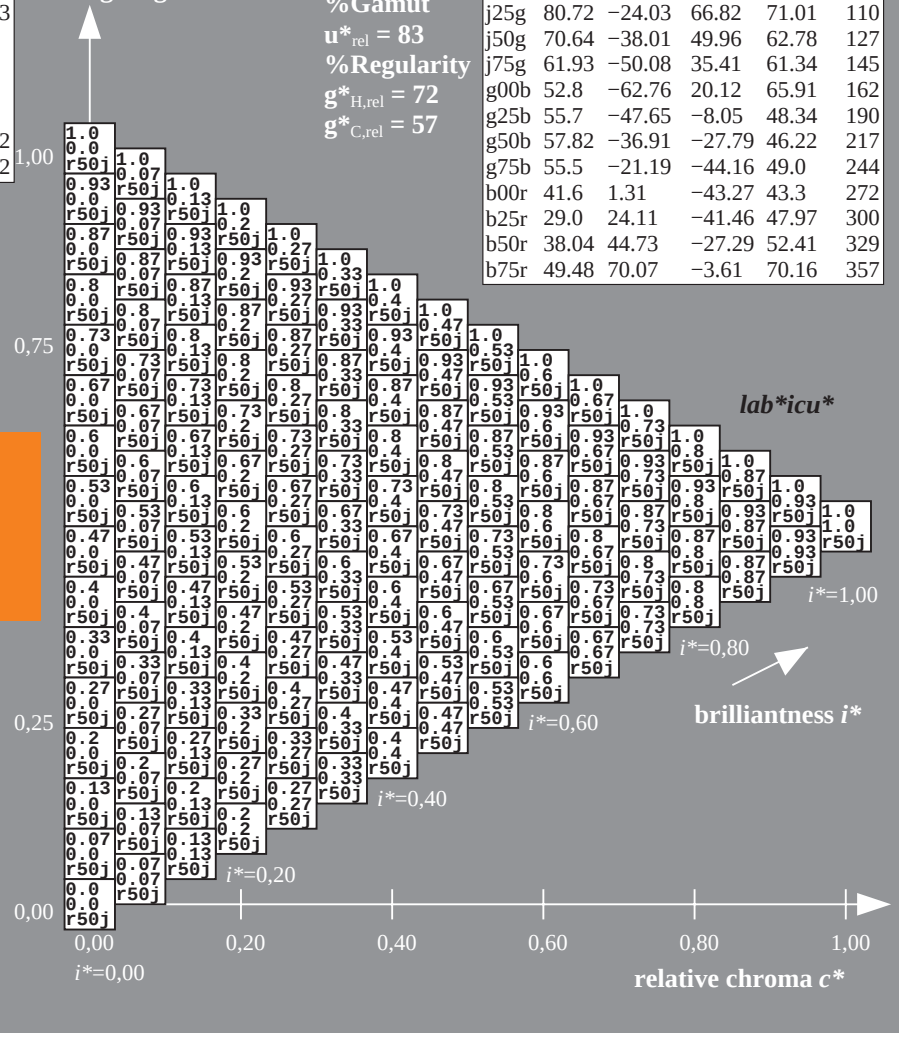
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = r50j
lab*icu*

ORS20_95a; adapted (a) CIELAB data

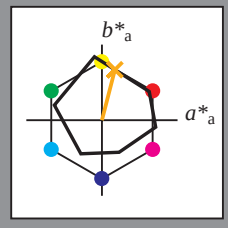
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

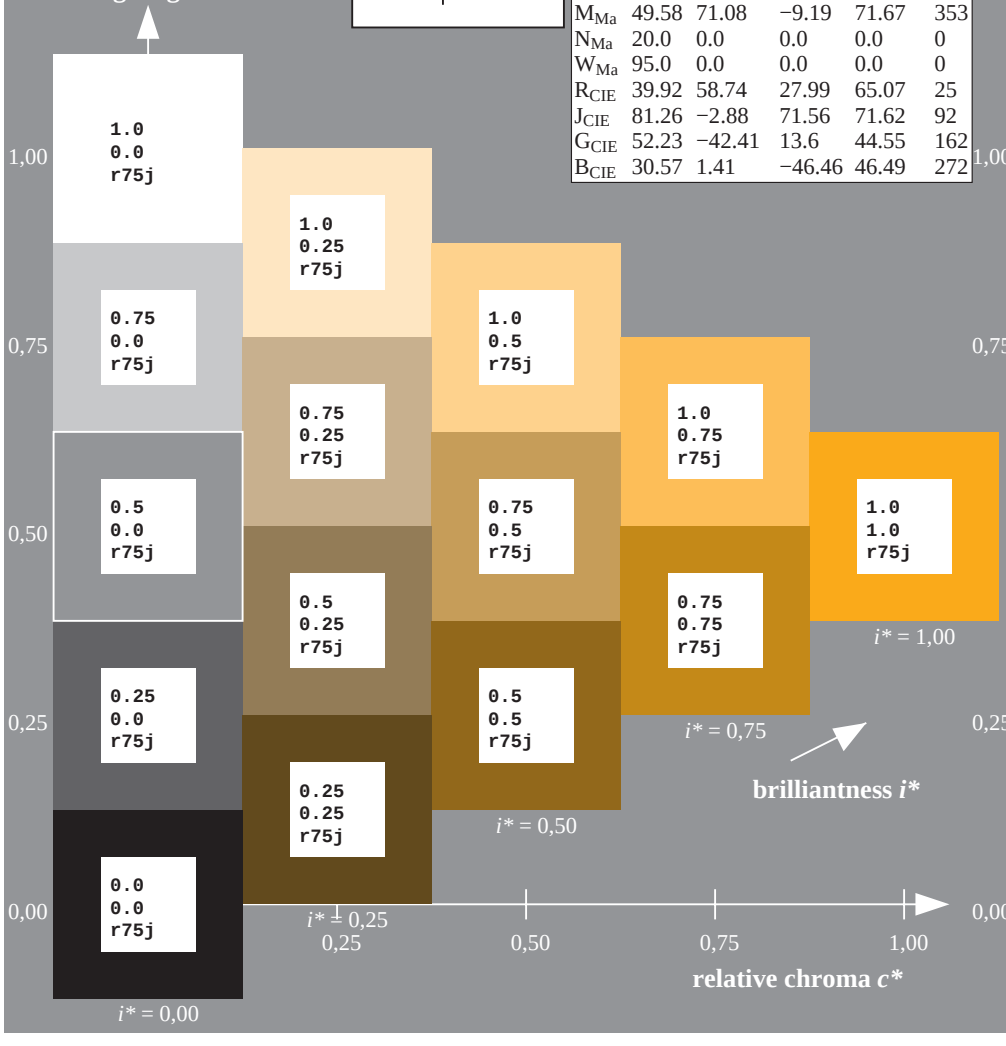
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 75 17 67**
***LAB*LCH**$_{Ma}$: 75 69 76**
***lab*rgb**$_{Ma}$: 1.0 0.75 0.0**
***lab*olv**$_{Ma}$: 1.0 0.63 0.0**
triangle lightness *t**

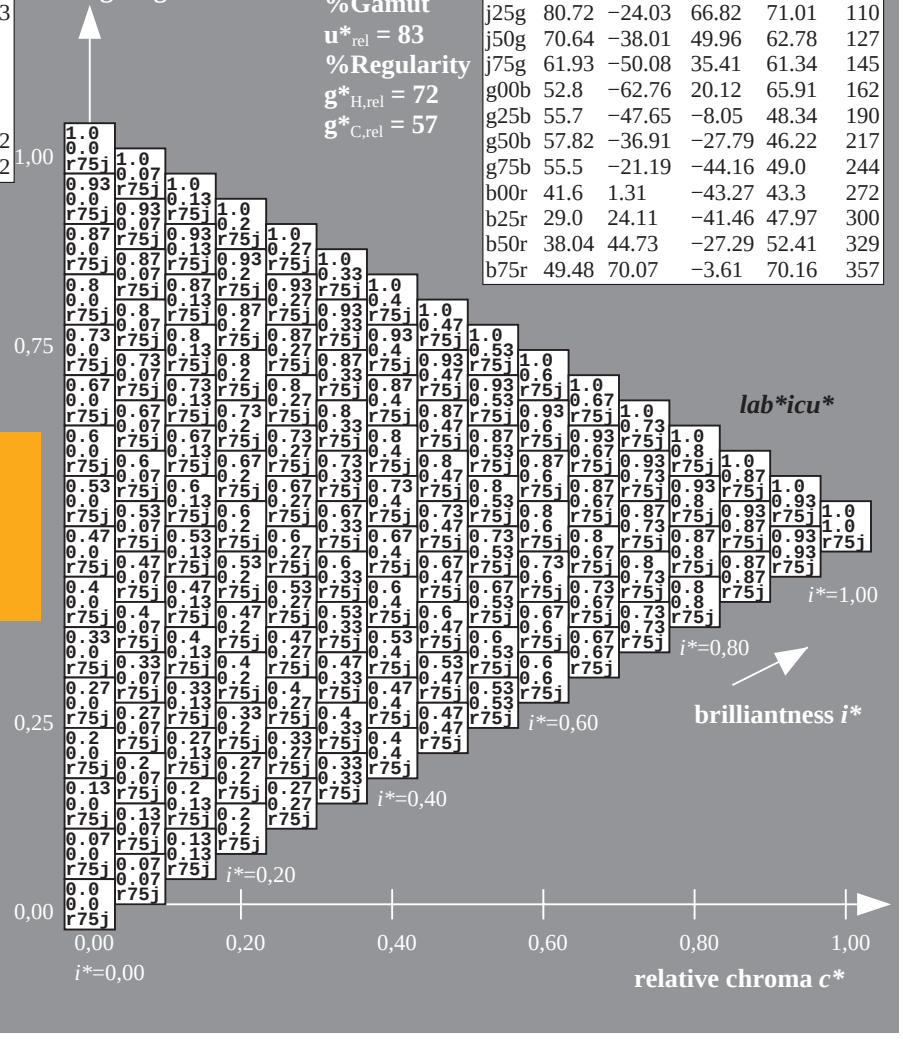
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = r75j
lab*icu*

ORS20_95a; adapted (a) CIELAB data

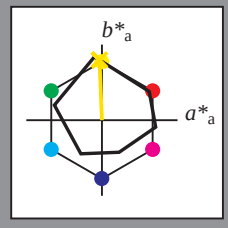
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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:
$c_R = 0.96$
triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

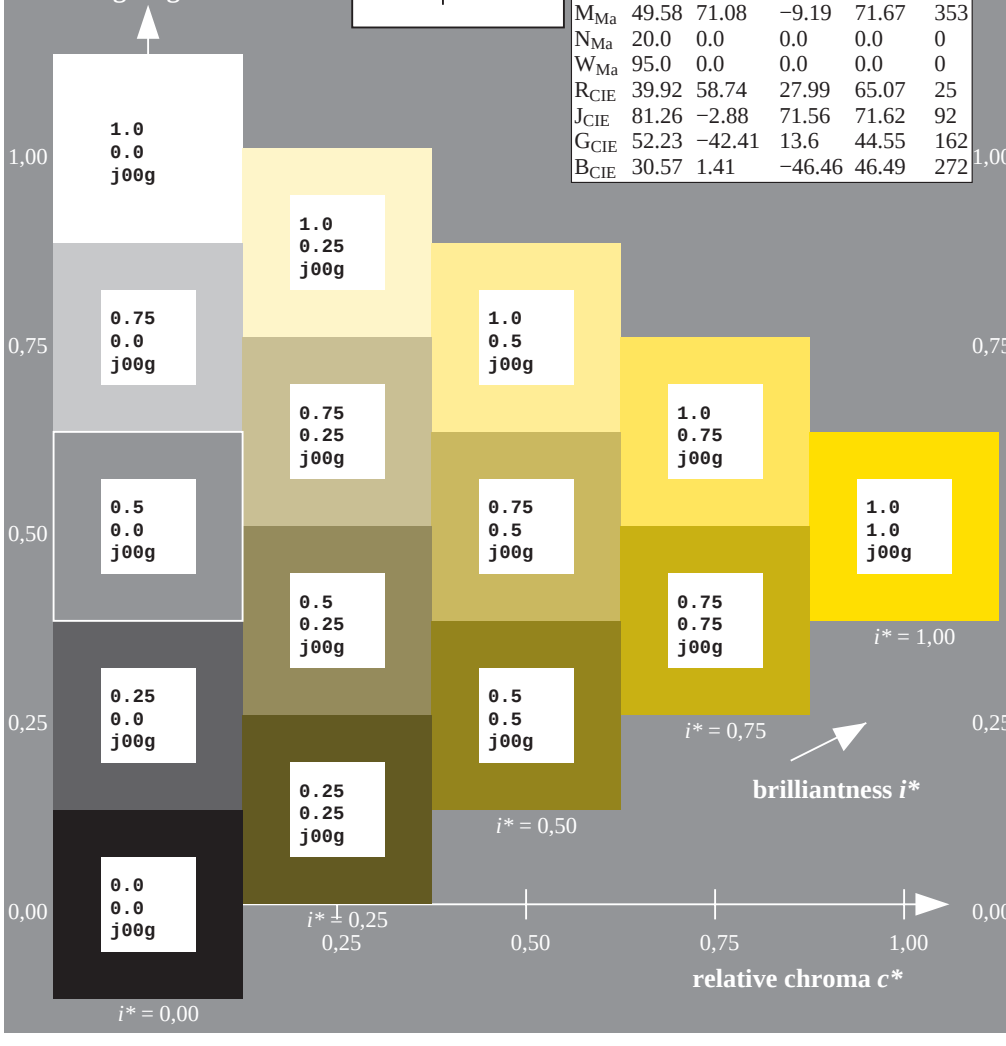
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 87 −2 80
$LAB^*LCH^*_{Ma}$: 87 80 92
$lab^*rgb^*_{Ma}$: 1.0 1.0 0.0
$lab^*olv^*_{Ma}$: 1.0 0.91 0.0
triangle lightness t^*

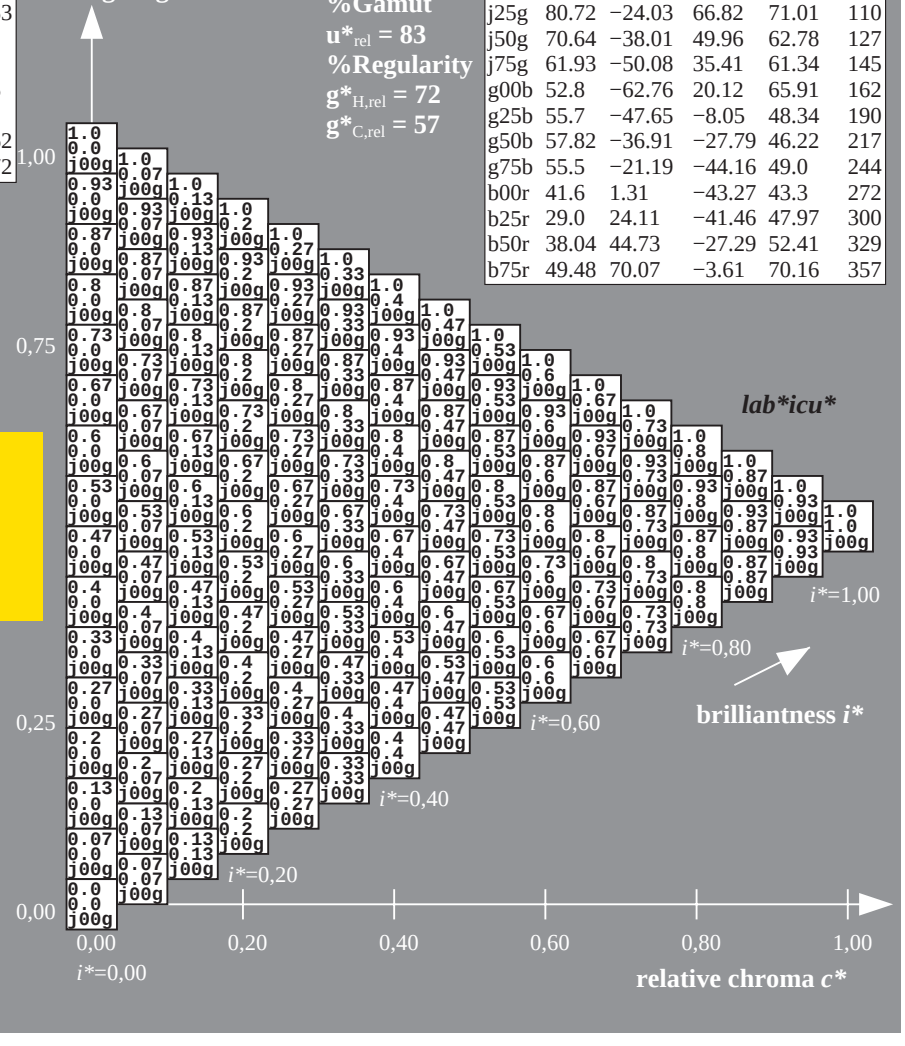
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

$u^* = j00g$
lab^*icu^*

ORS20_95a; adapted (a) CIELAB data

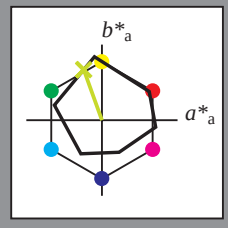
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

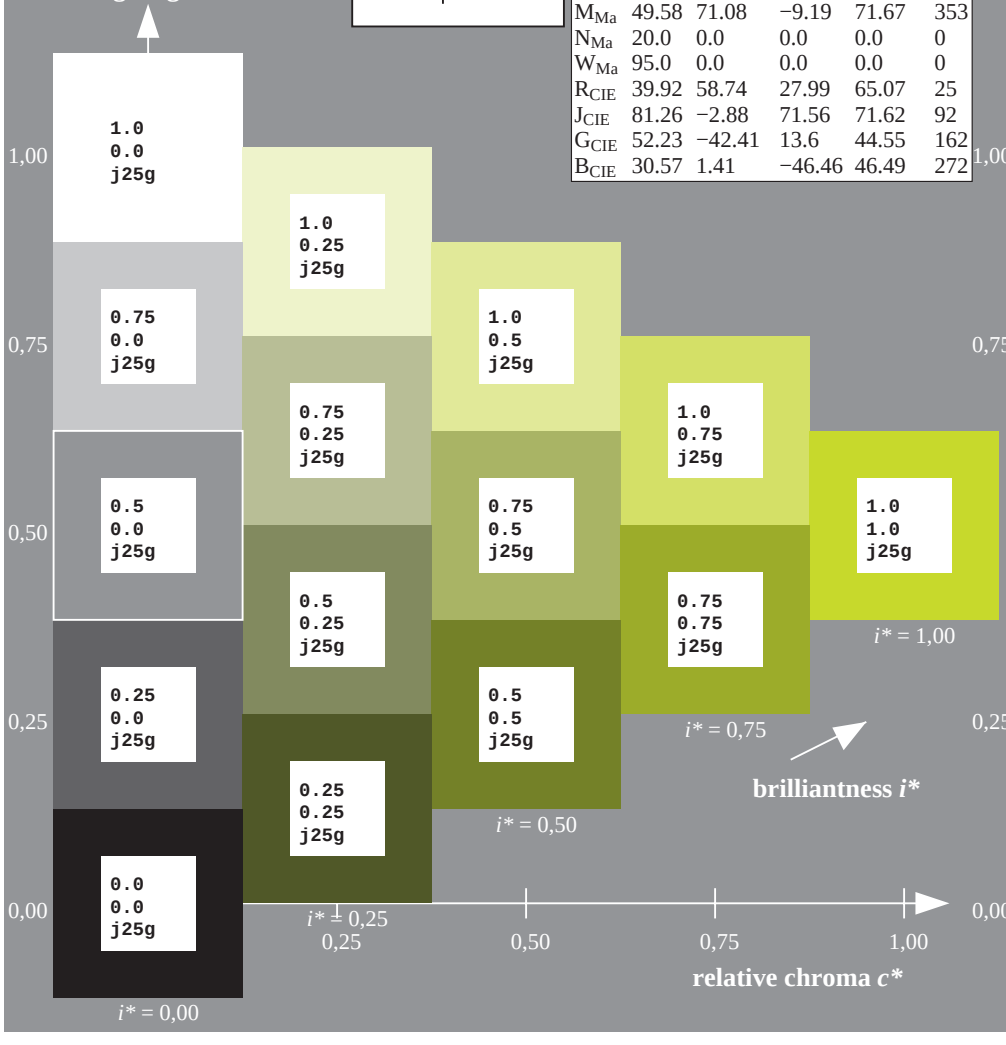
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 81 −23 67**
***LAB*LCH**$_{Ma}$: 81 71 110**
***lab*rgb**$_{Ma}$: 0.75 1.0 0.0**
***lab*olv**$_{Ma}$: 0.73 1.0 0.0**
triangle lightness *t**

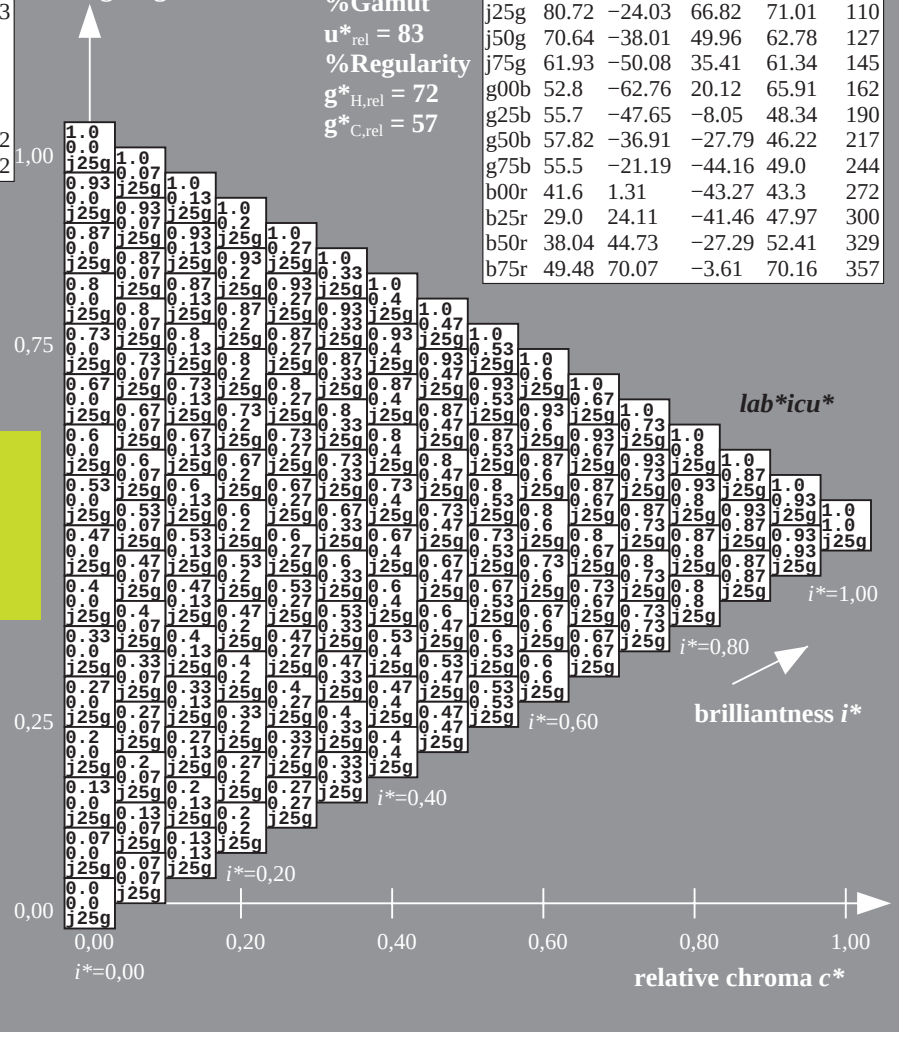
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = j25g
lab*icu*

ORS20_95a; adapted (a) CIELAB data

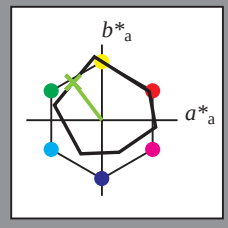
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

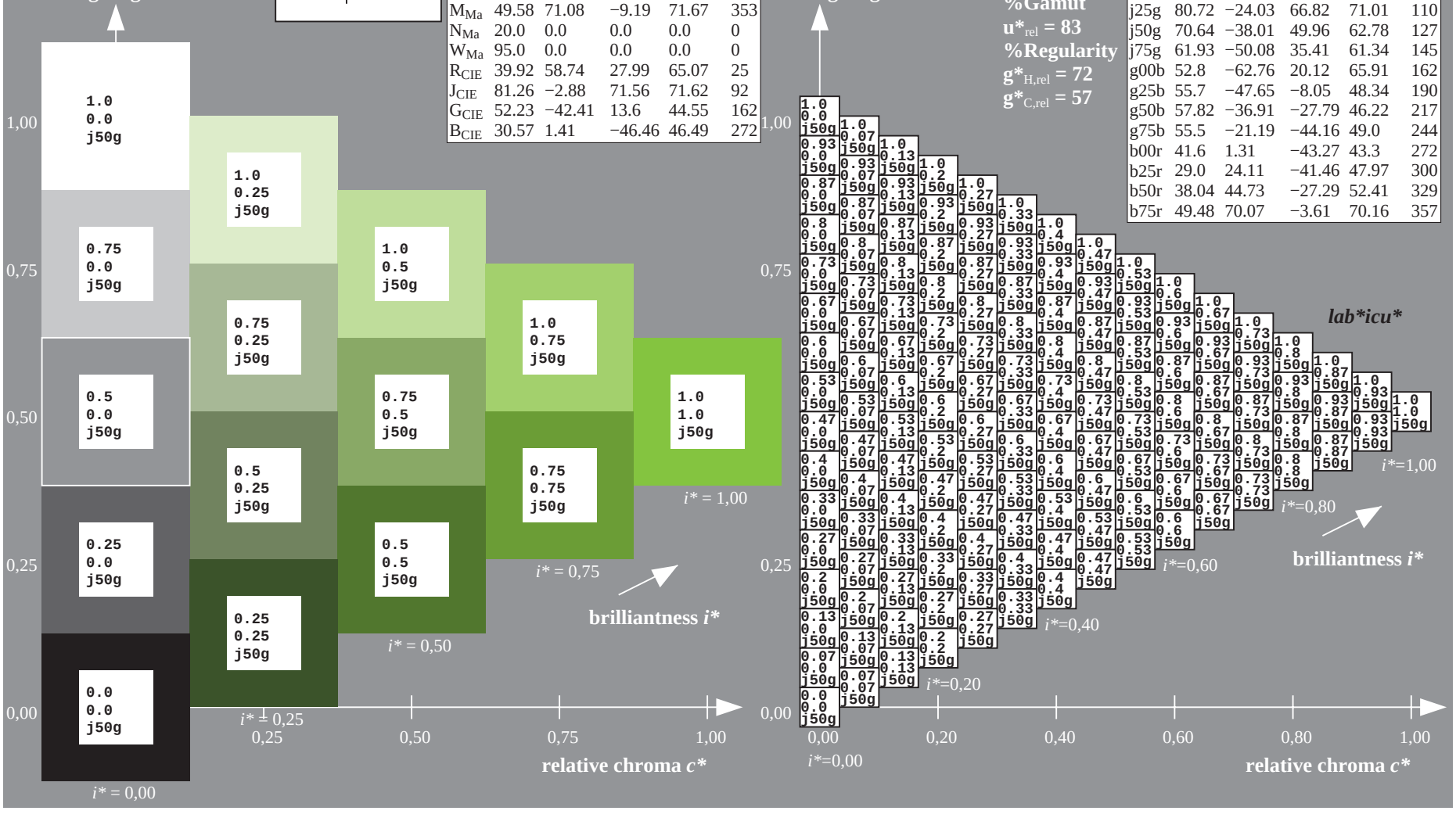
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 71 −37 50**
***LAB*LCH**Ma*: 71 63 127**
***lab*rgb**Ma*: 0.5 1.0 0.0**
***lab*olv**Ma*: 0.47 1.0 0.0**
triangle lightness *t**

***u** = j50g*
lab*icu*

ORS20_95a; adapted (a) CIELAB data

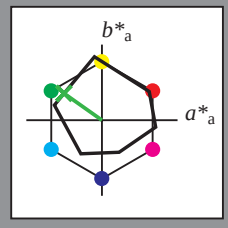
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

%Gamut
***u**rel* = 83**
%Regularity
***g**H,rel* = 72**
***g**C,rel* = 57**



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

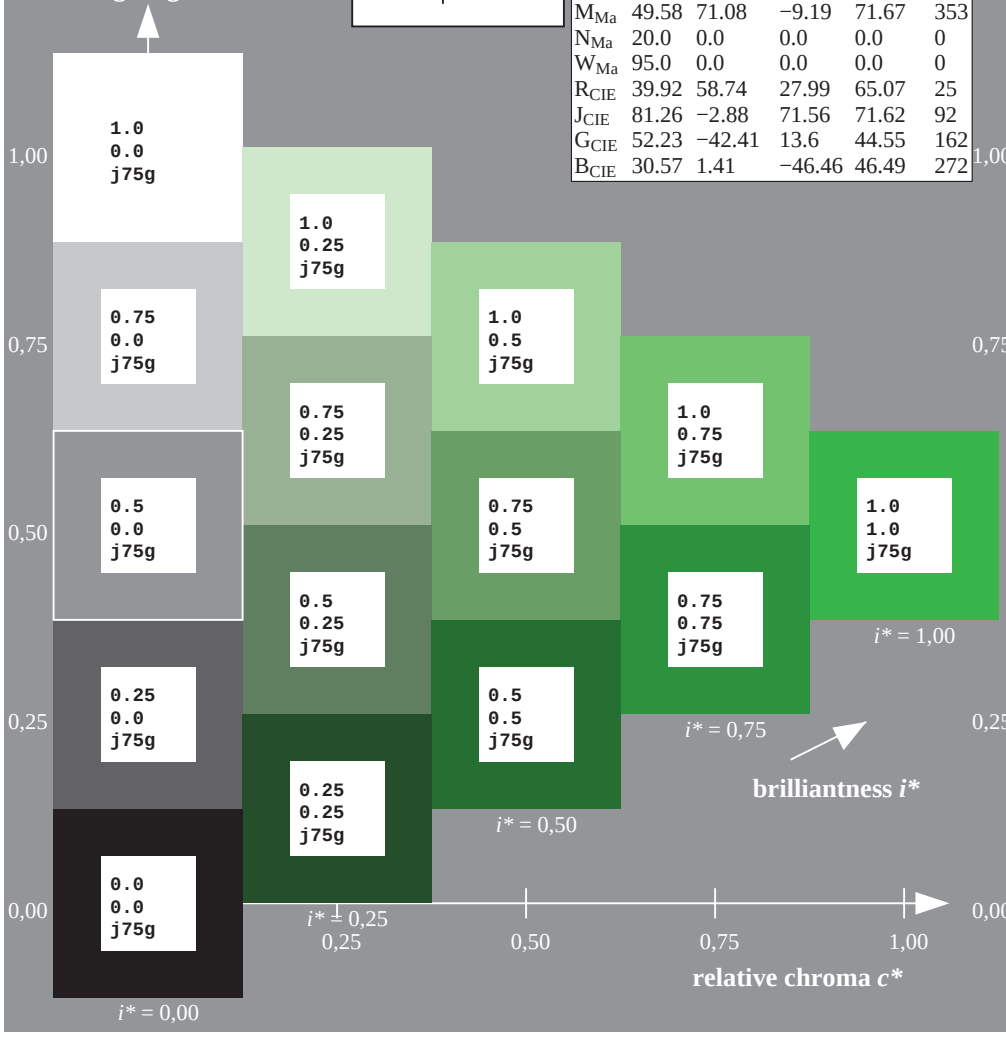
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 62 −49 35**
***LAB*LCH**Ma*: 62 61 145**
***lab*rgb**Ma*: 0.25 1.0 0.0**
***lab*olv**Ma*: 0.24 1.0 0.0**
triangle lightness *t**

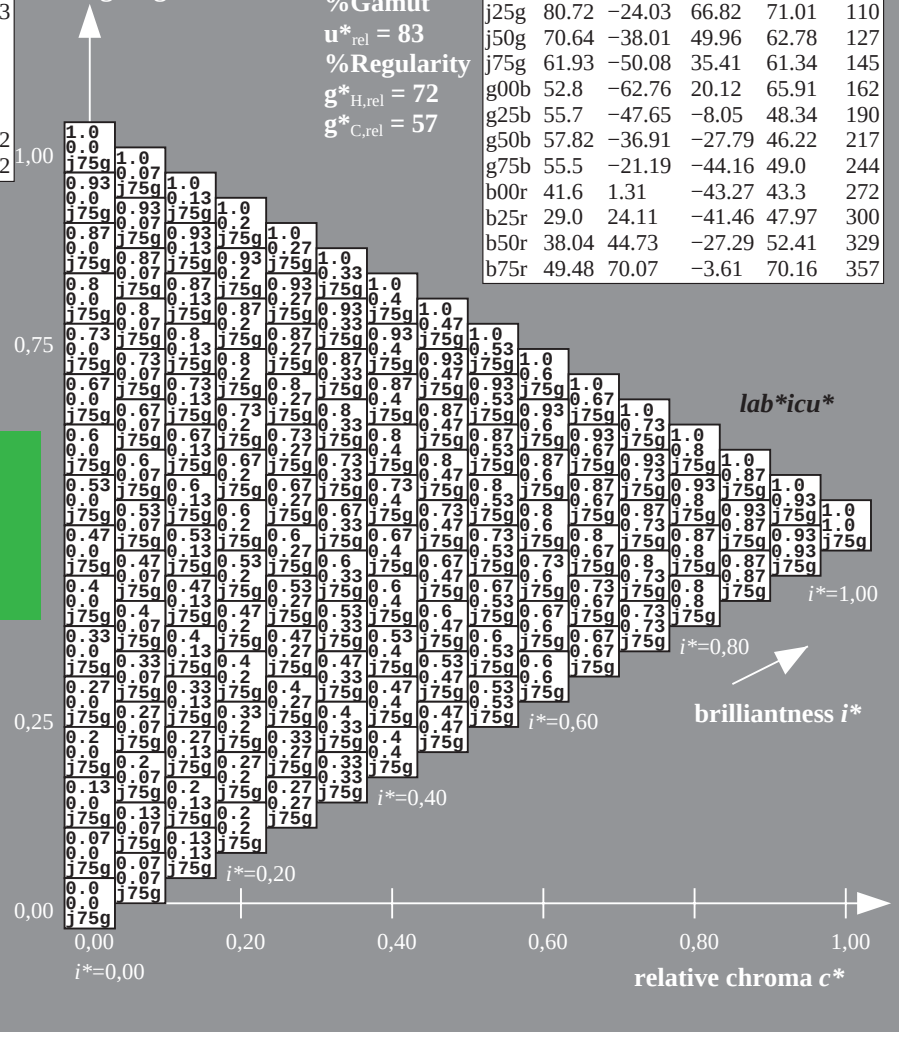
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = j75g
lab*icu*

ORS20_95a; adapted (a) CIELAB data

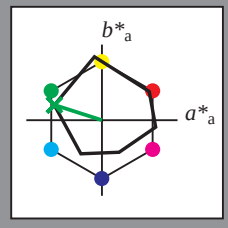
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

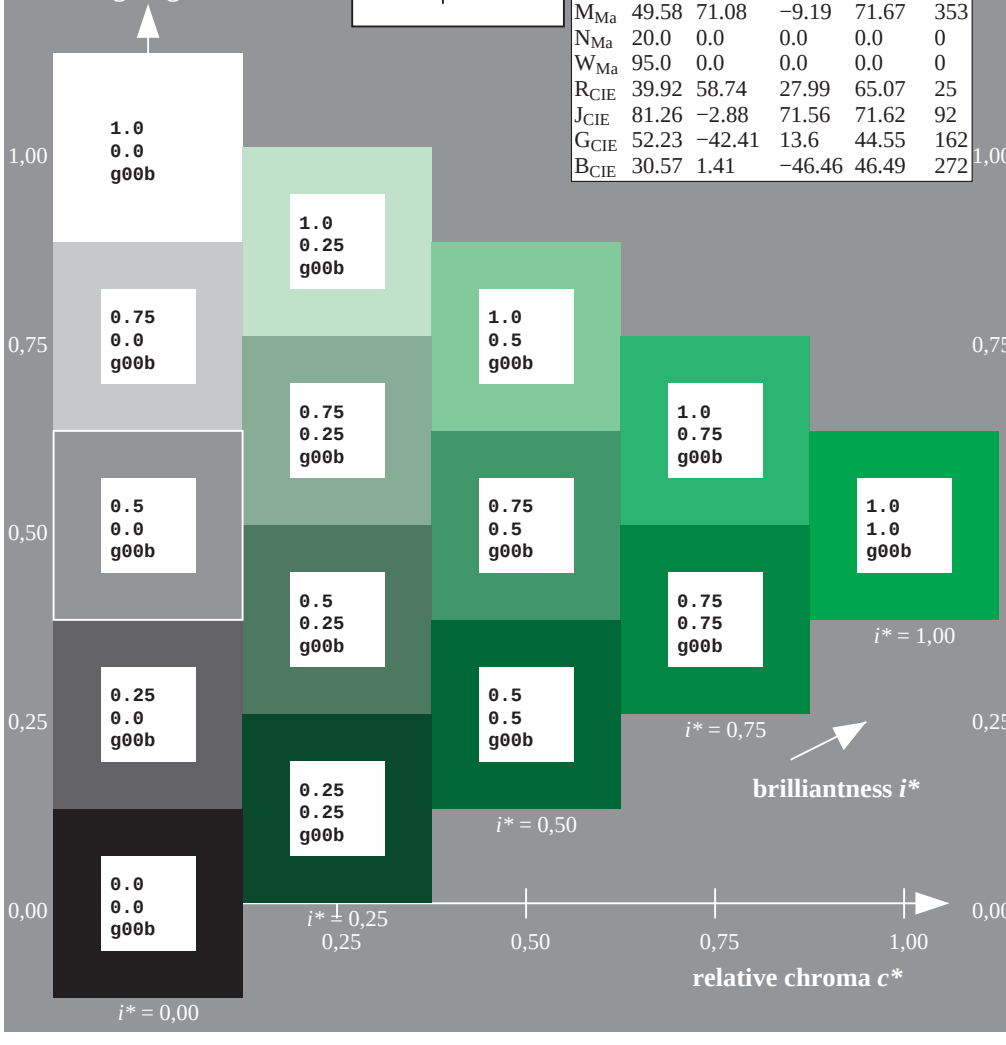
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 53 −62 20**
LAB*LCH*$_{Ma}$**: 53 66 162**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.0**
triangle lightness *t**

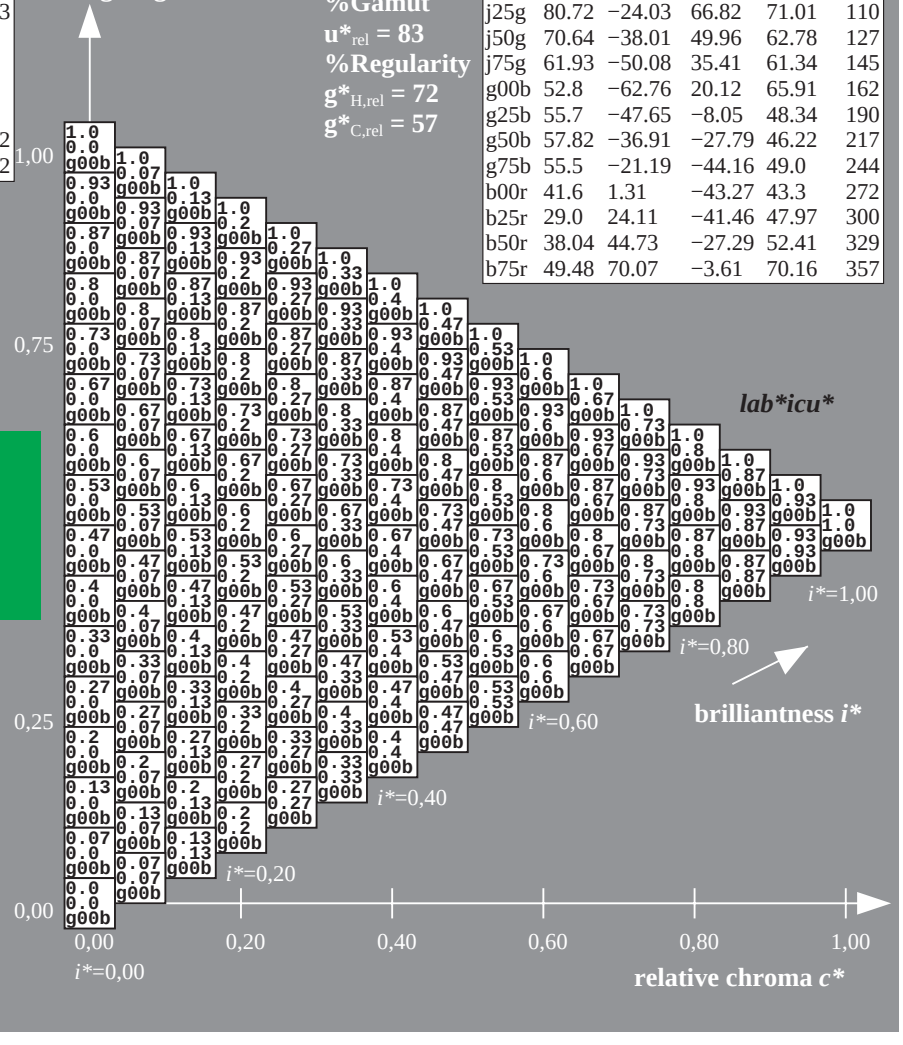
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u* = g00b
lab*icu*

ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	49.48	70.07	−3.61	70.16	357

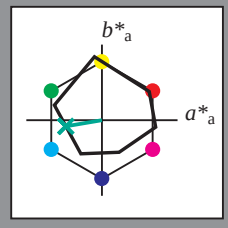




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 190/360 = 0.527**

***u** = g25b*
lab*icu*

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
***u** = g25b*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

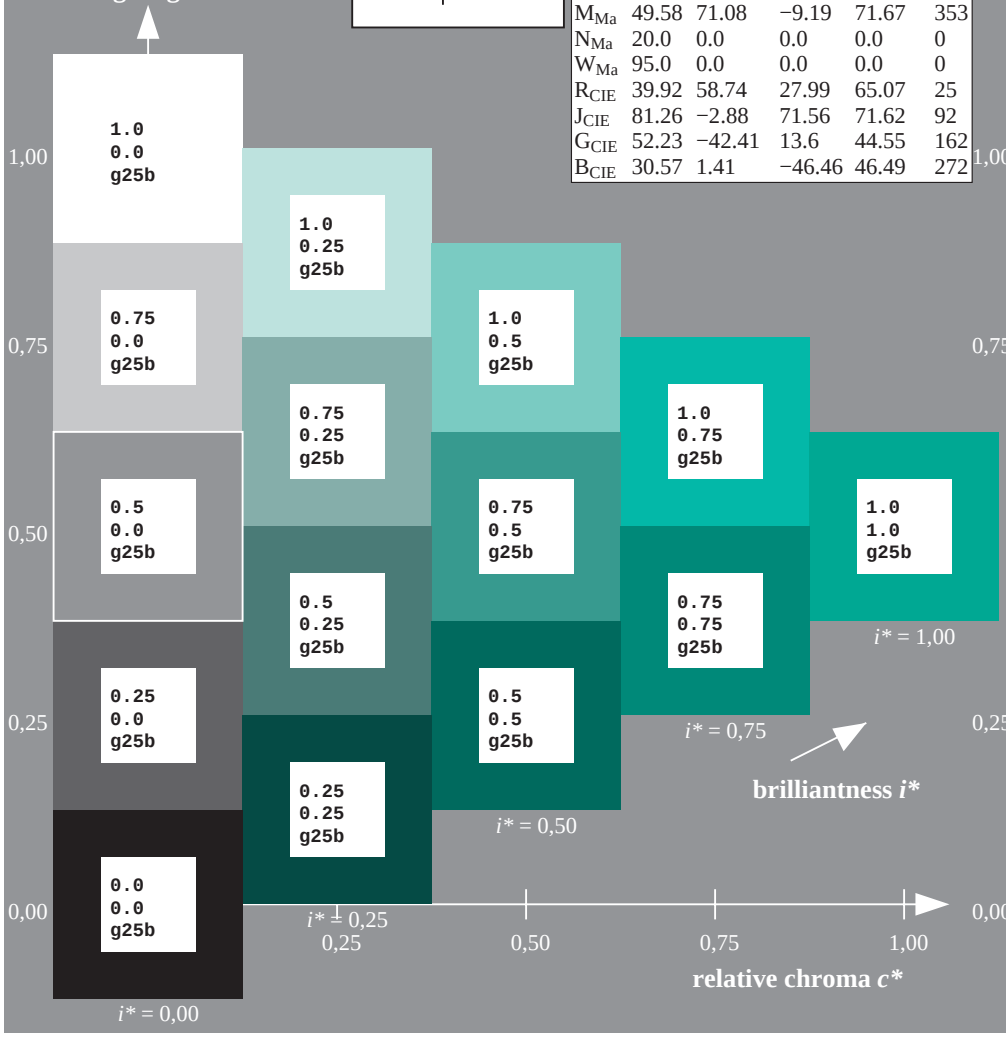
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

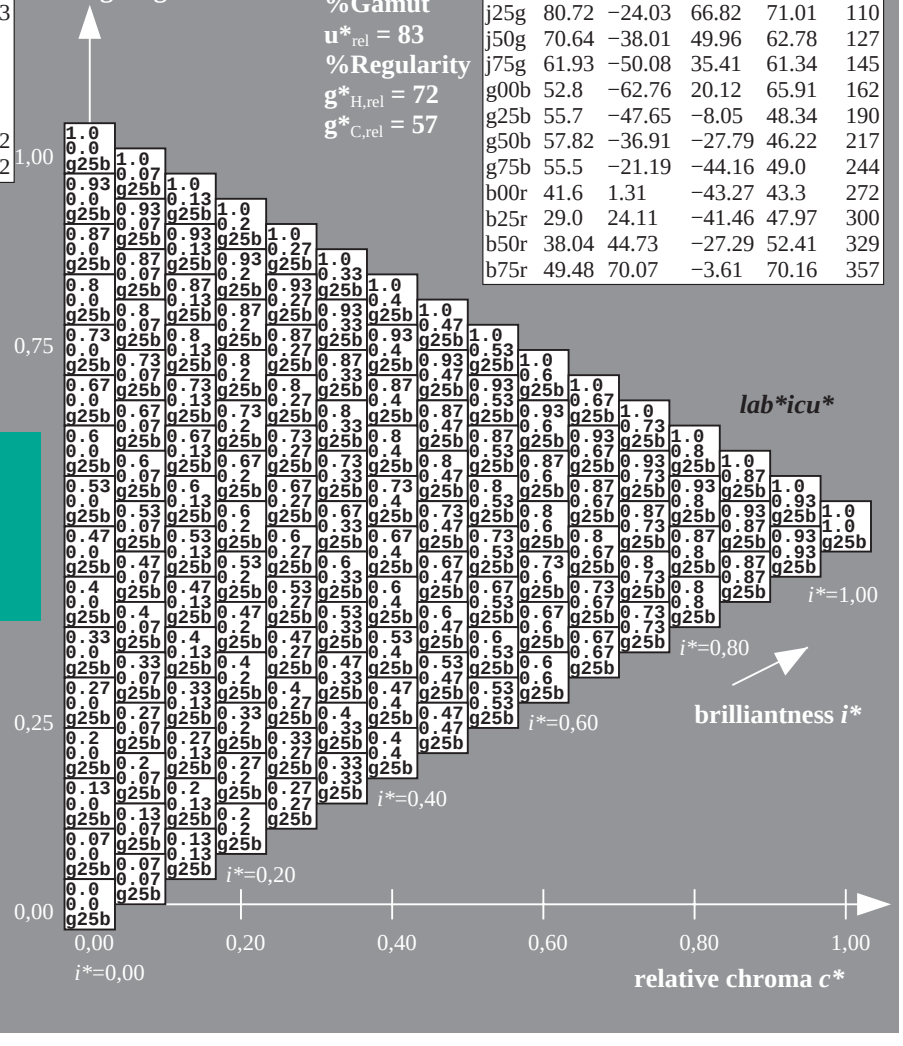
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 56 −47 −7**
***LAB*LCH**Ma*: 56 48 190**
***lab*rgb**Ma*: 0.0 1.0 0.5**
***lab*olv**Ma*: 0.0 1.0 0.44**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

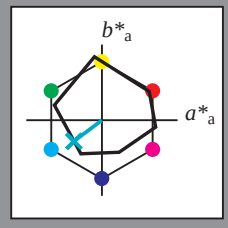
	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

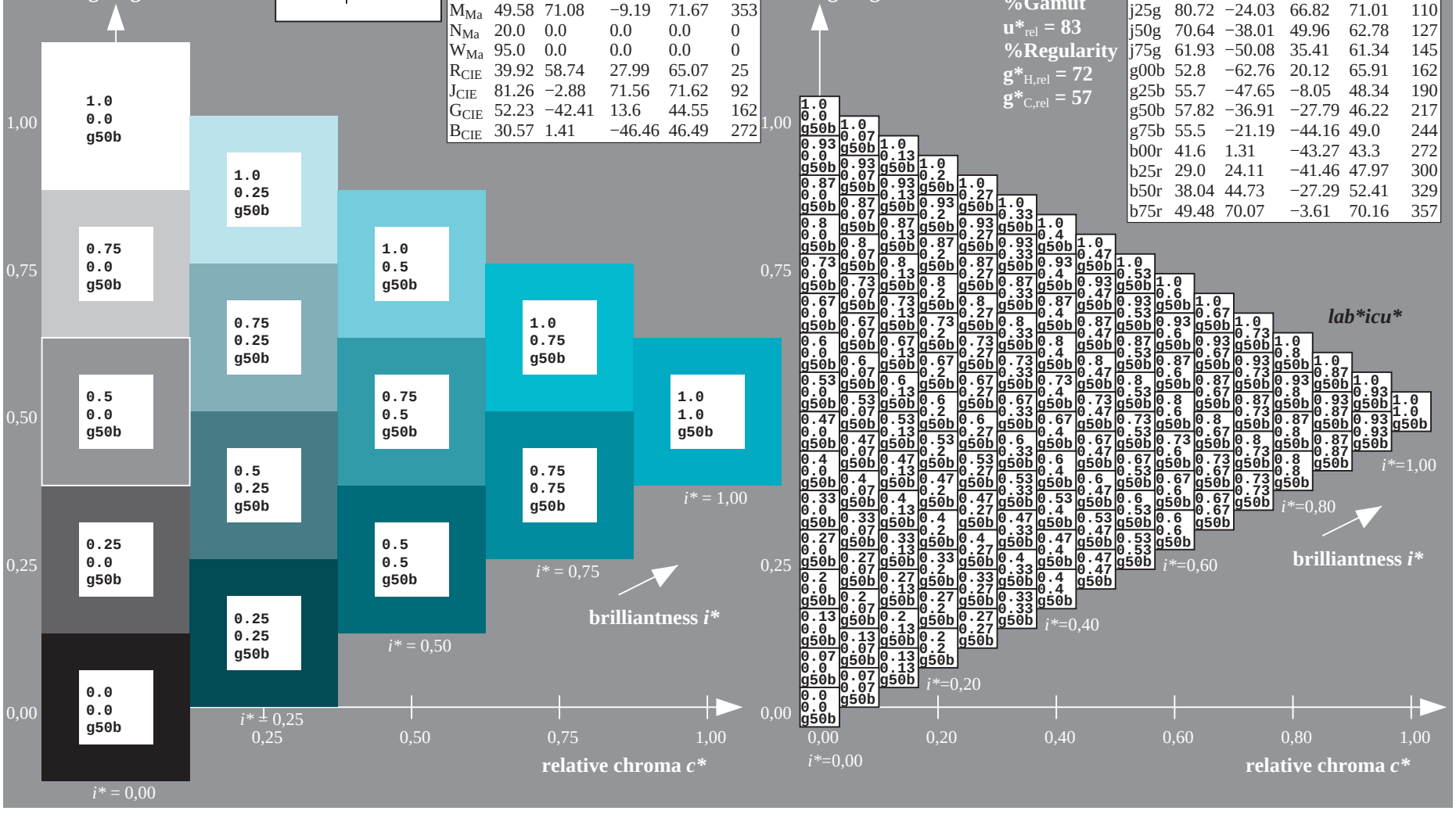
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 58 −36 −27**
***LAB*LCH**$_{Ma}$: 58 46 217**
***lab*rgb**$_{Ma}$: 0.0 1.0 1.0**
***lab*olv**$_{Ma}$: 0.0 1.0 0.74**
triangle lightness *t**

%Gamut
u*$_{rel}$ = 83
%Regularity
g*$_{H,rel}$ = 72
g*$_{C,rel}$ = 57

u** = g50b
lab*icu*

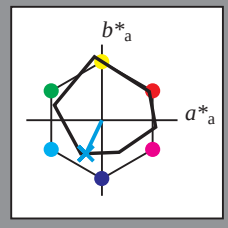
ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

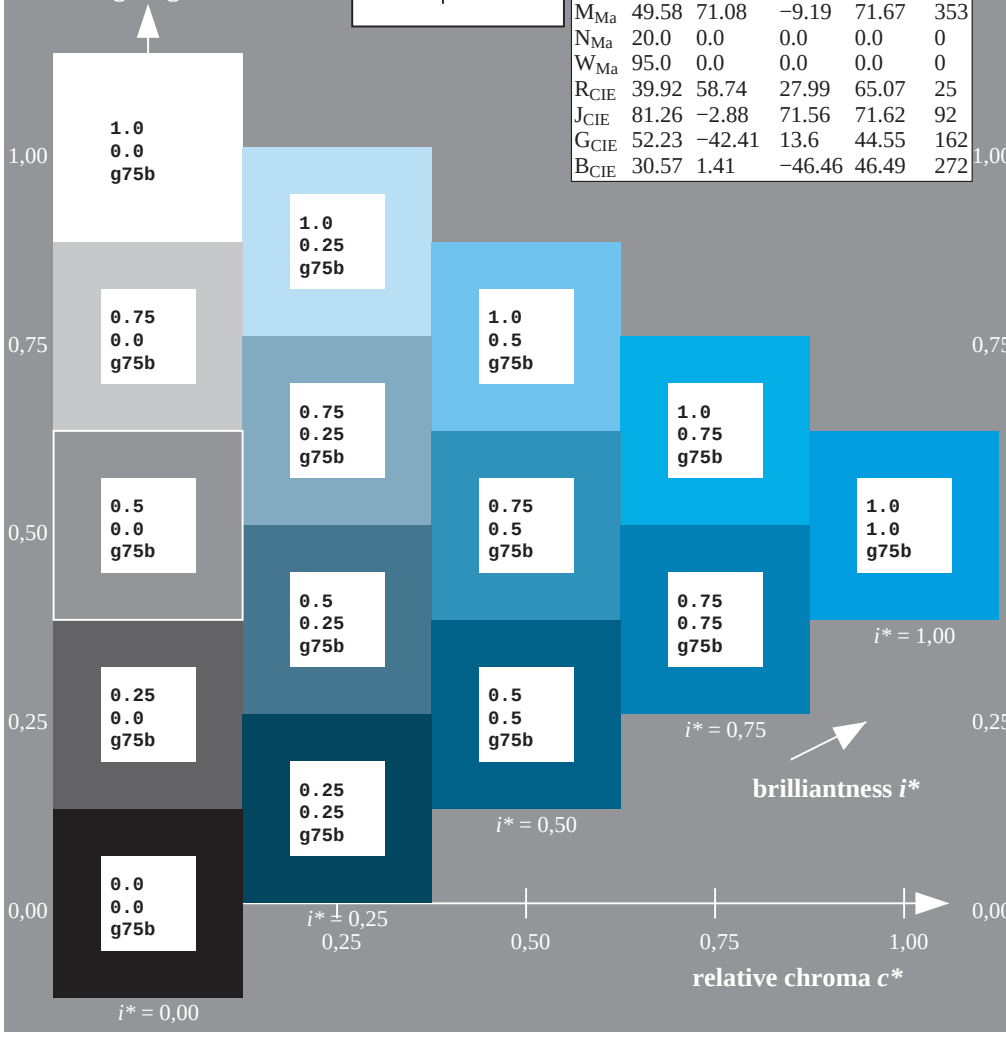
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 55 −20 −43**
***LAB*LCH**$_{Ma}$: 55 49 244**
***lab*rgb**$_{Ma}$: 0.0 0.5 1.0**
***lab*olv**$_{Ma}$: 0.0 0.87 1.0**
triangle lightness *t**

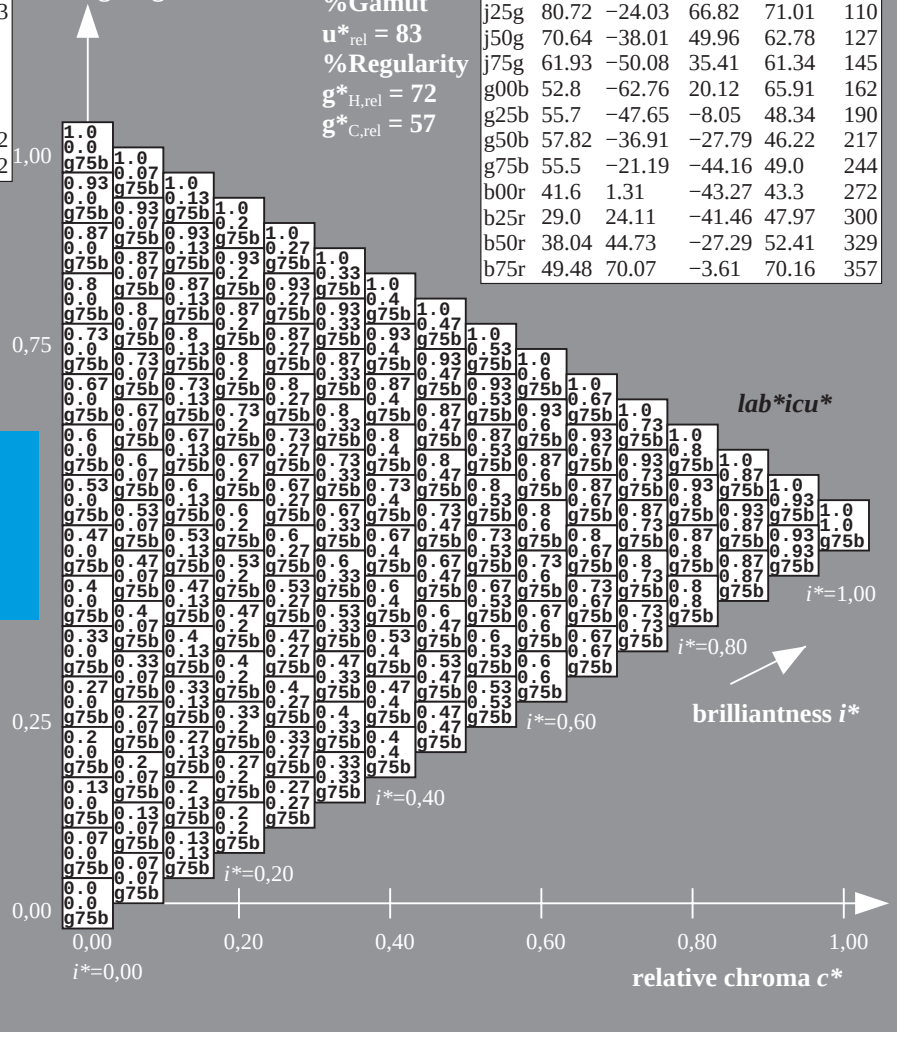
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = g75b
lab*icu*

ORS20_95a; adapted (a) CIELAB data

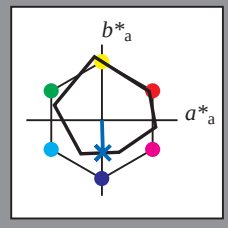
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

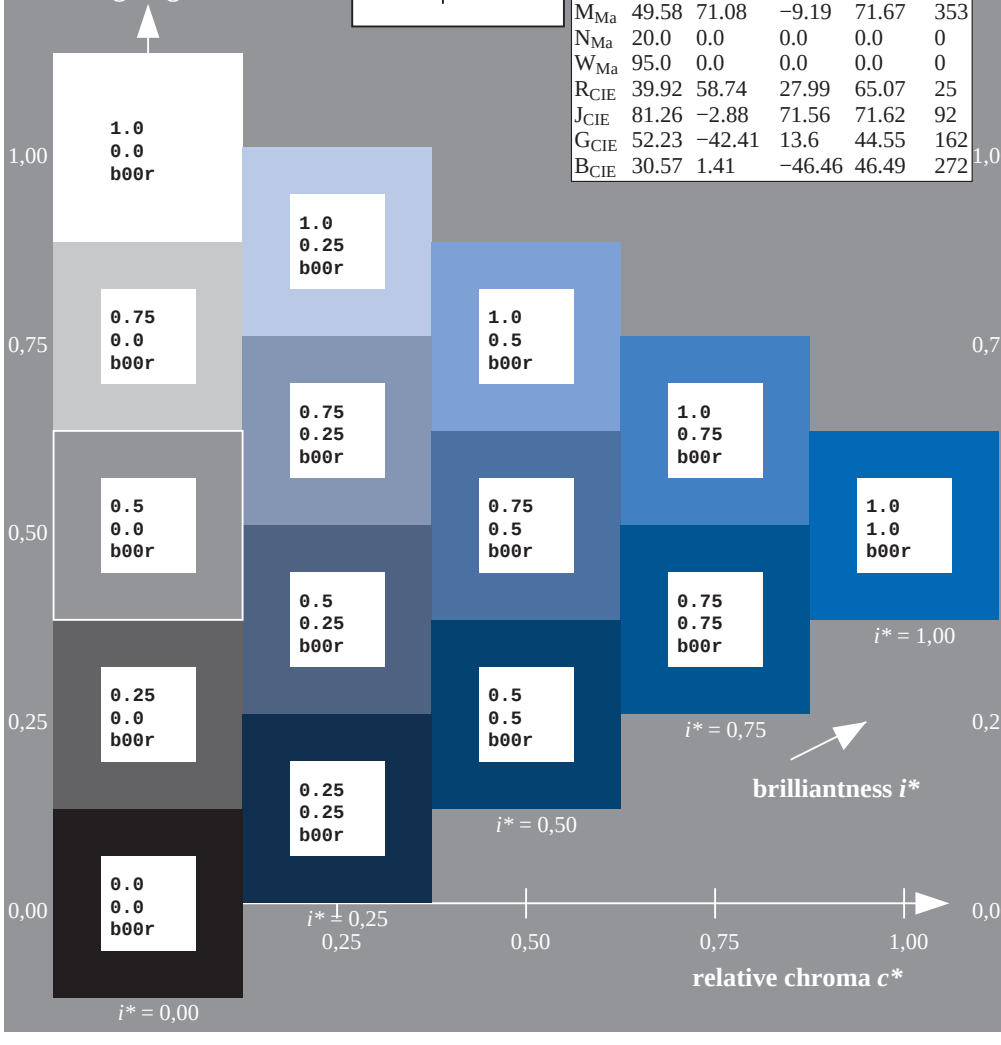
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 42 1 −42**
***LAB*LCH**$_{Ma}$: 42 43 272**
***lab*rgb**$_{Ma}$: 0.0 0.0 1.0**
***lab*olv**$_{Ma}$: 0.0 0.42 1.0**
triangle lightness *t**

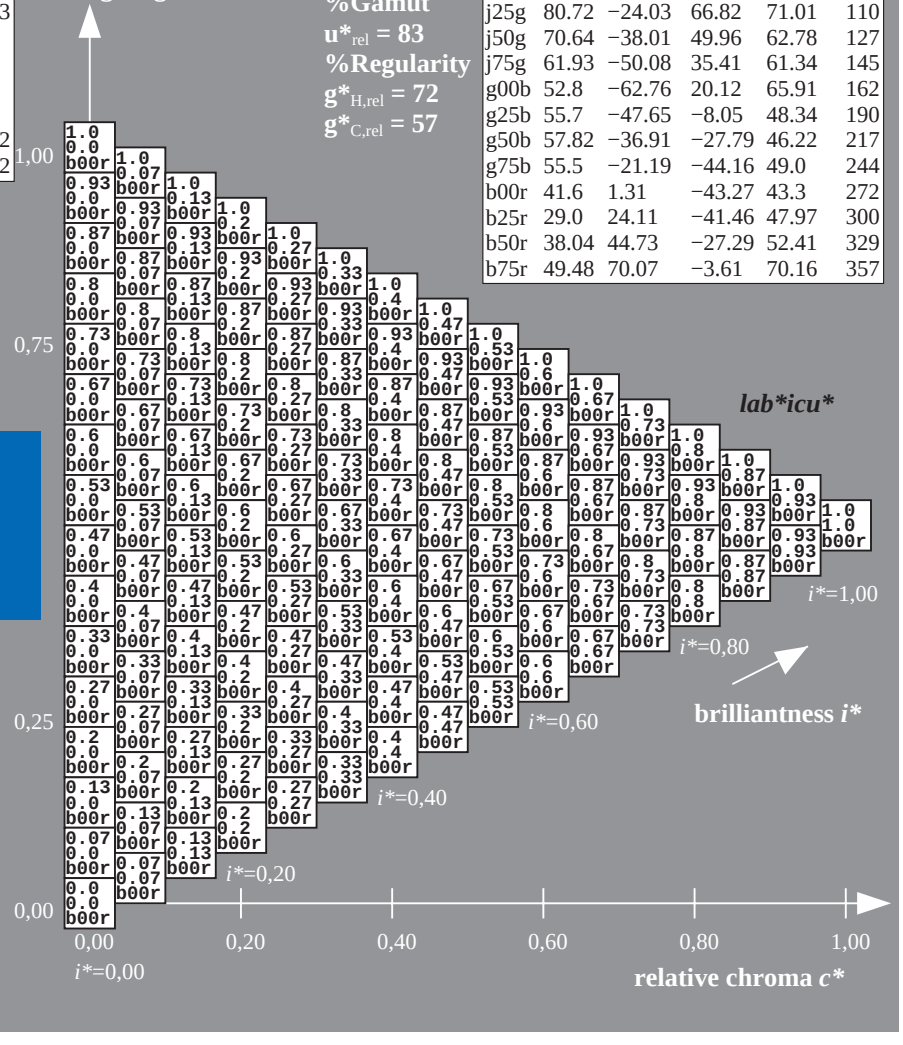
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = b00r
lab*icu*

ORS20_95a; adapted (a) CIELAB data

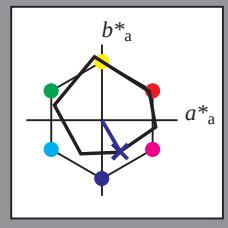
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

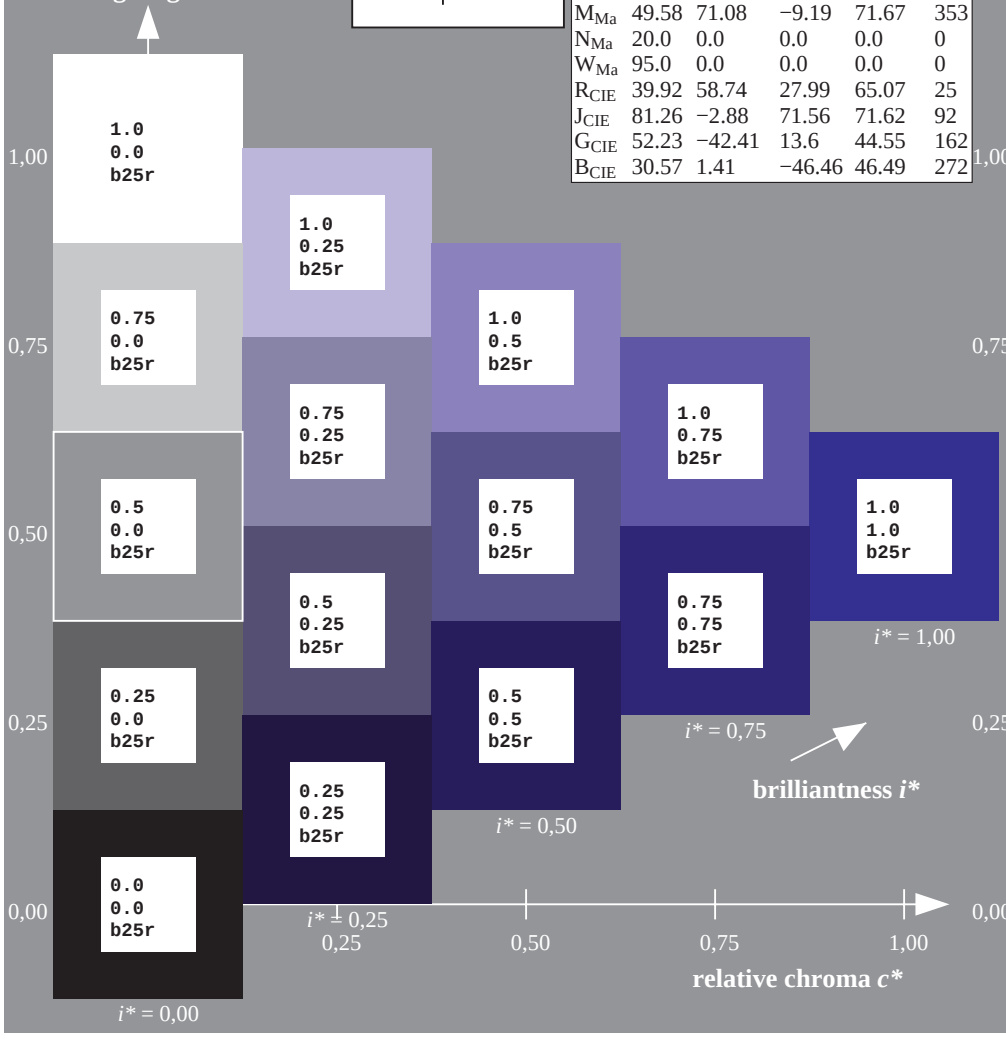
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 29 24 −40**
***LAB*LCH**$_{Ma}$: 29 48 300**
***lab*rgb**$_{Ma}$: 0.5 0.0 1.0**
***lab*olv**$_{Ma}$: 0.03 0.0 1.0**
triangle lightness *t**

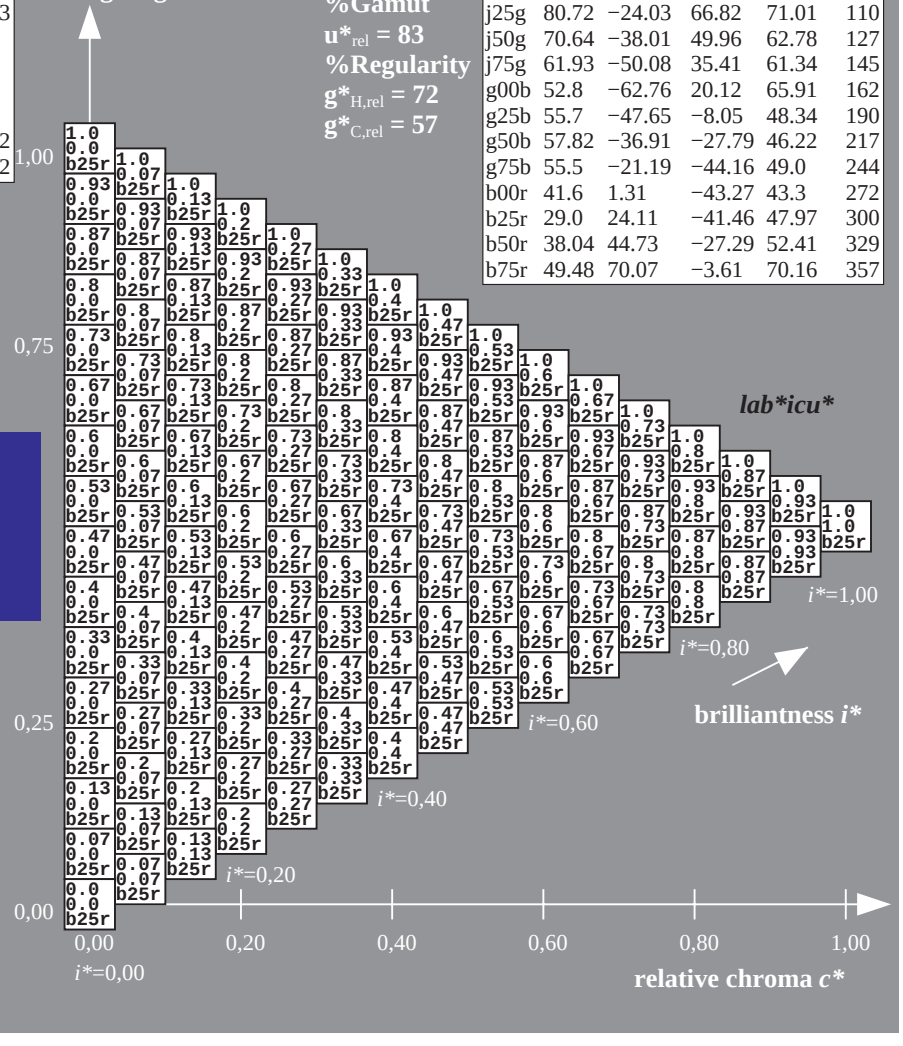
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = b25r
lab*icu*

ORS20_95a; adapted (a) CIELAB data

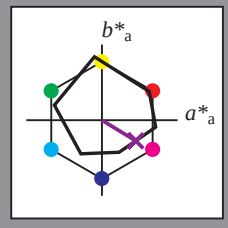
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

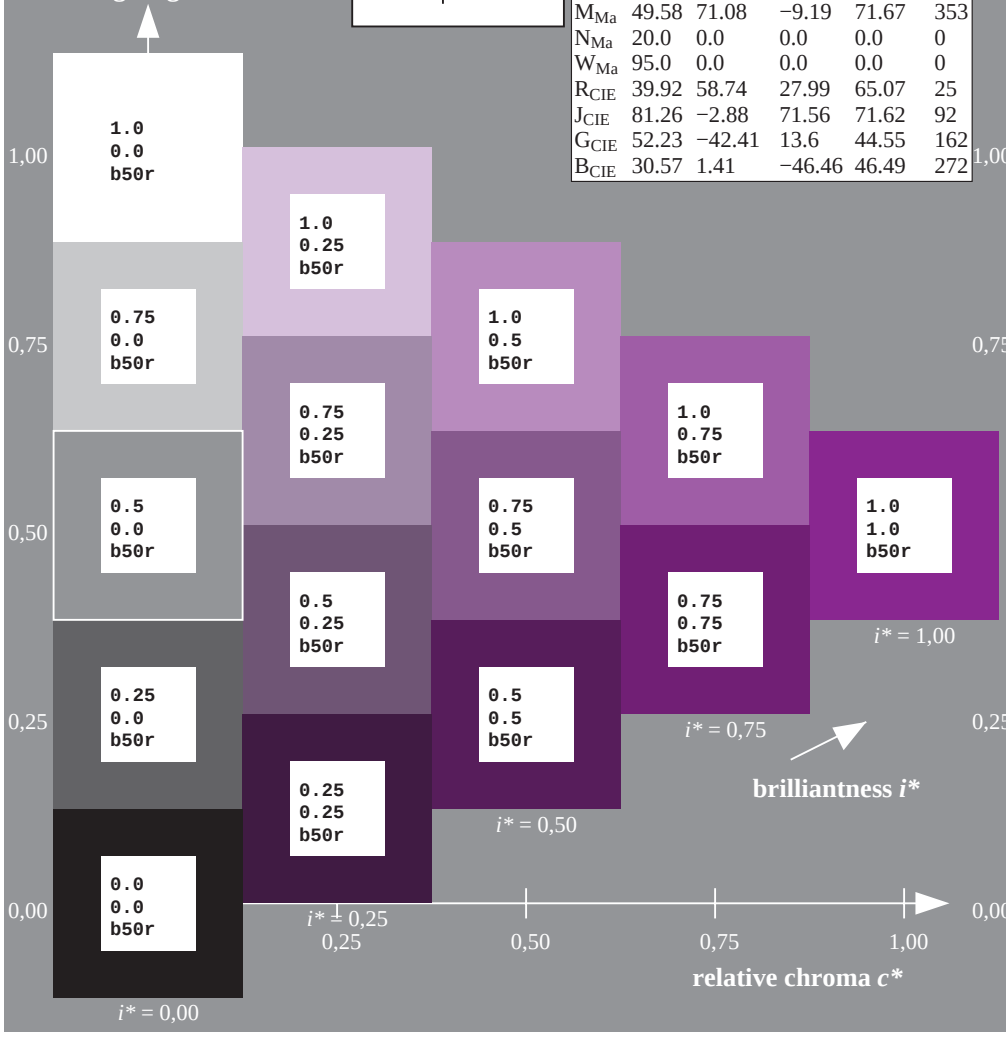
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 38 45 −26**
***LAB*LCH**$_{Ma}$: 38 52 329**
***lab*rgb**$_{Ma}$: 1.0 0.0 1.0**
***lab*olv**$_{Ma}$: 0.46 0.0 1.0**
triangle lightness *t**

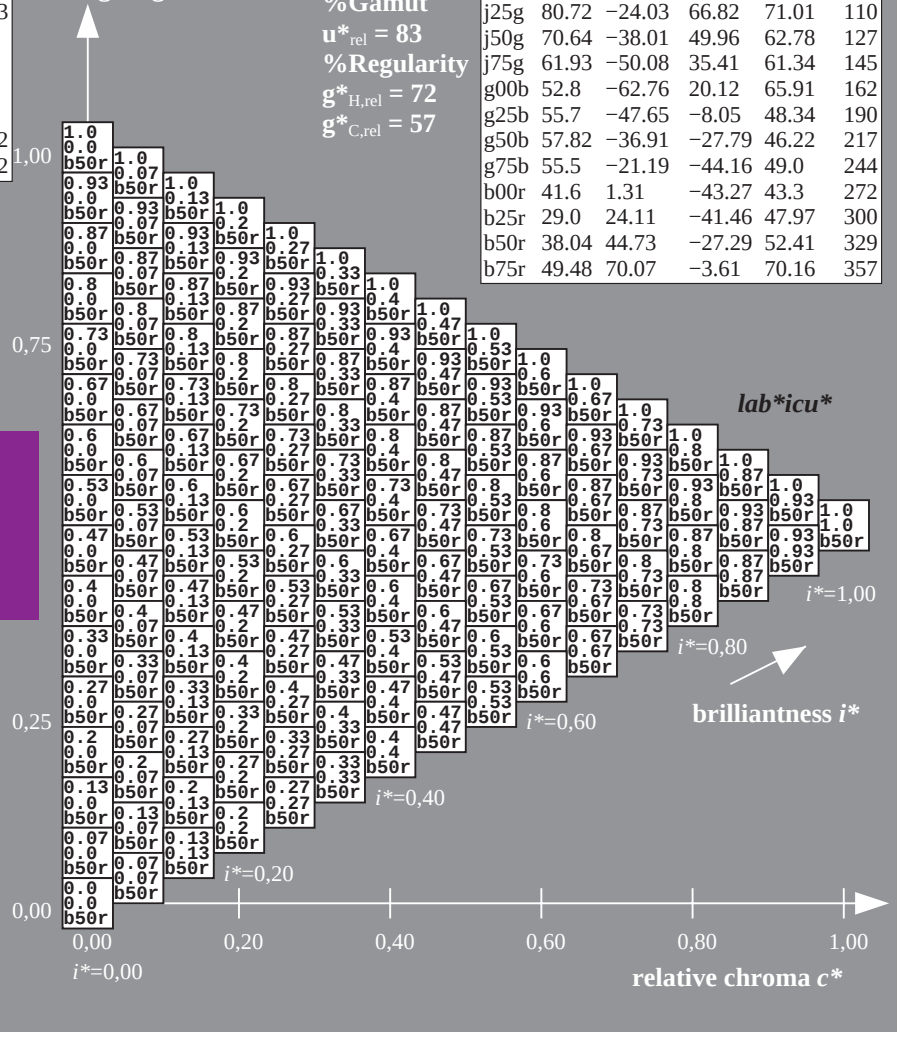
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = b50r
lab*icu*

ORS20_95a; adapted (a) CIELAB data

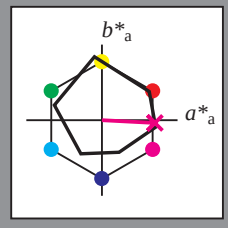
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	48.75	62.56	37.91	73.15	31
Y_{Ma}	90.92	−9.88	83.88	84.46	97
L_{Ma}	52.69	−62.9	19.95	66.0	162
C_{Ma}	59.61	−27.85	−44.43	52.45	238
V_{Ma}	28.39	22.72	−42.42	48.13	298
M_{Ma}	49.58	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

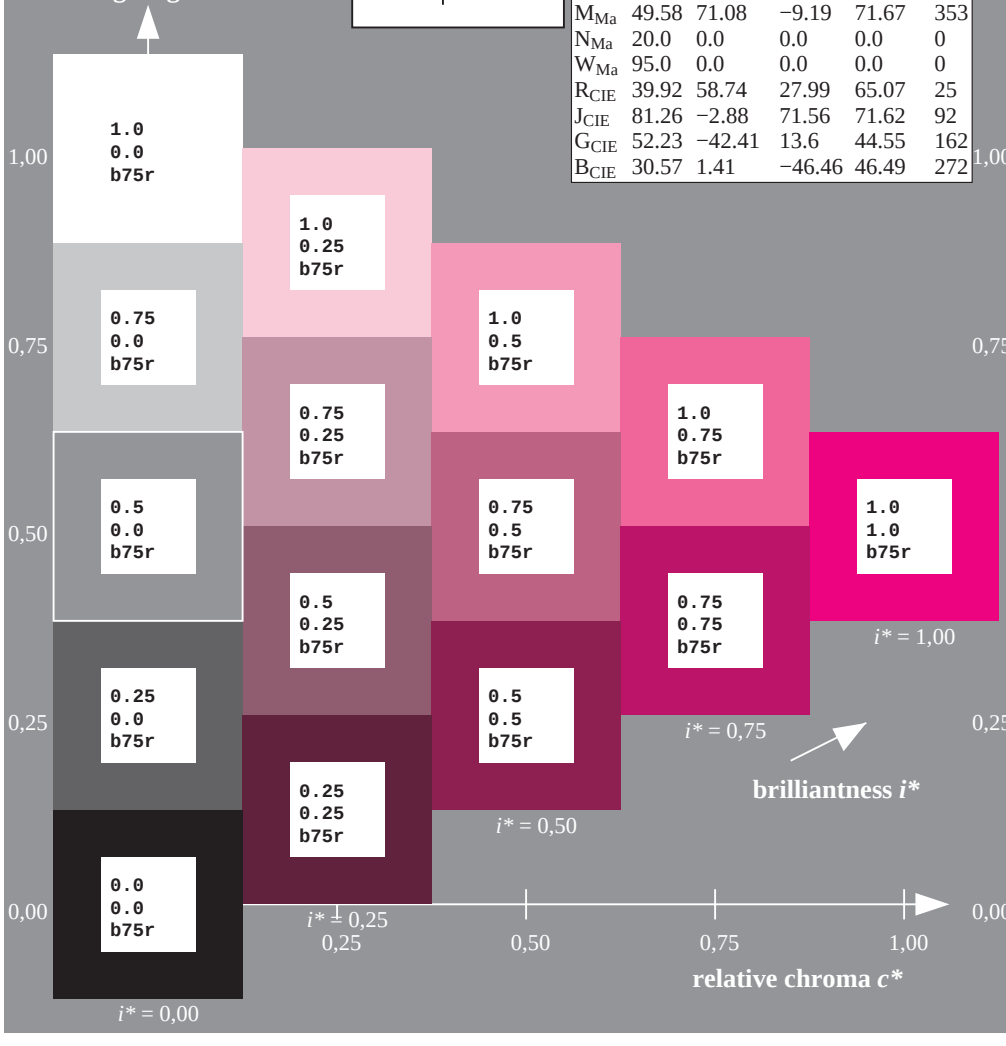
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 49 70 −3**
***LAB*LCH**$_{Ma}$: 49 70 357**
***lab*rgb**$_{Ma}$: 1.0 0.0 0.5**
***lab*olv**$_{Ma}$: 1.0 0.0 0.88**
triangle lightness *t**

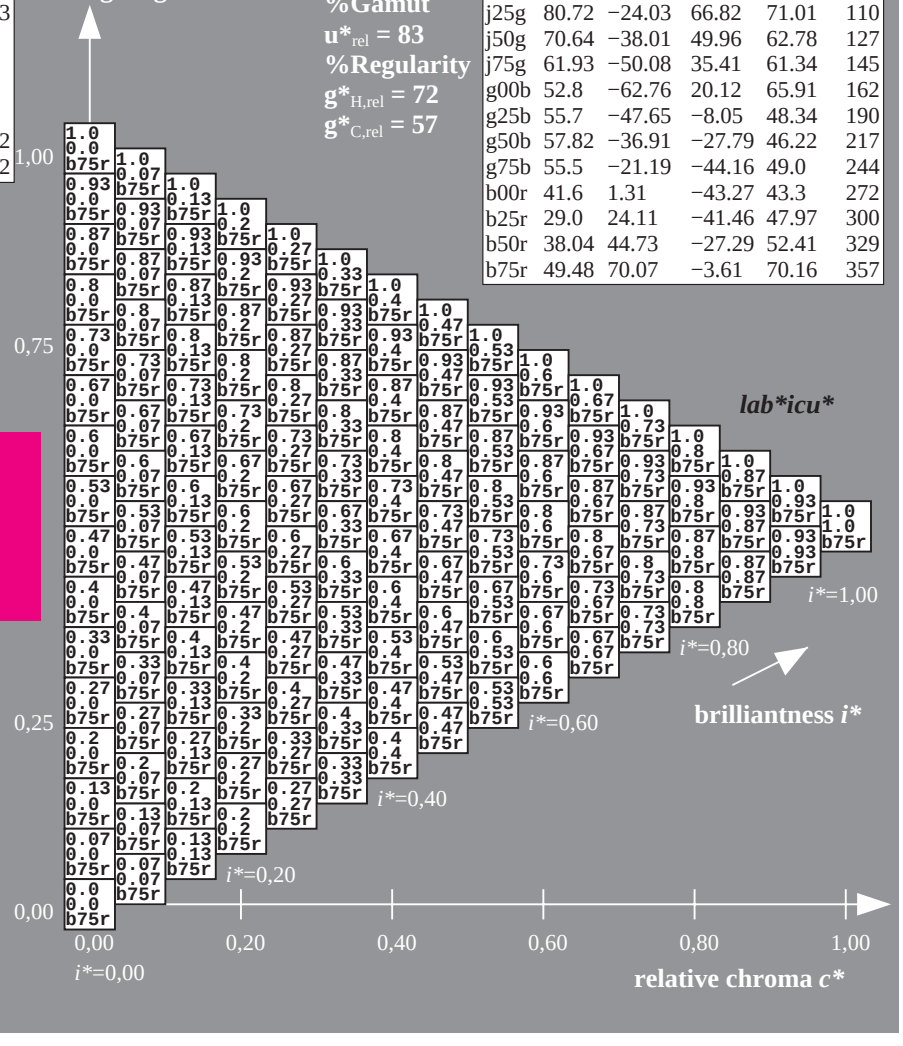
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = b75r
lab*icu*

ORS20_95a; adapted (a) CIELAB data

	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	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	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.12	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.25	0.25	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.0	0.0	0.0
	g94b	g00b	g00b	g00b	g00b	g00b	g00b	g00b	g00b	r08j	j06g	j46g	j64g	j73g	j78g	j82g	j84g	j86g	r08j	r60j	j06g	j30g	j46g	j56g	j64g	j69g	j73g	g94b	r08j	r08j	r08j	r08j	r08j	r08j	r08j	r08j	g94b	g94b	g94b	g94b
02	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.13	0.13	0.13
	0.12	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.12	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.87	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.87	0.12	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.87	0.0	0.0	0.0	0.0
	b23r	g68b	g29b	g17b	g12b	g09b	g07b	g06b	g05b	b70r	g94b	g00b	g00b	g00b	g00b	g00b	g00b	g00b	b87r	r08j	j06g	j46g	j64g	j73g	j78g	j82g	j84g	g68b	g94b	r08j	r08j	r08j	r08j	r08j	r08j	r08j	g94b	g94b	g94b	g94b
03	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.25	0.25	0.25
	0.25	0.25	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.87	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0
	b23r	g94b	g68b	g43b	g29b	g22b	g17b	g14b	g12b	b51r	b23r	g68b	g29b	g17b	g12b	g09b	g07b	g06b	b70r	b70r	g94b	g00b	g00b	g00b	g00b	g00b	g00b	g68b	g68b	g94b	r08j	r08j	r08j	r08j	r08j	r08j	g94b	g94b	g94b	g94b
04	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38
	0.37	0.37	0.37	0.37	0.5	0.62	0.75	0.87	1.0	0.37	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.87	0.37	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.37	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.62	0.0	0.0	0.0	0.0
	b23r	b05r	g84b	g68b	g50b	g37b	g29b	g24b	g20b	b42r	b23r	g94b	g68b	g43b	g29b	g22b	g17b	g14b	b59r	b51r	b23r	g68b	g29b	g17b	g12b	g09b	g07b	g68b	g68b	g68b	g94b	r08j	r08j	r08j	r08j	r08j	g94b	g94b	g94b	g94b
05	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	0.5	0.5	0.5	0.5	0.5	0.62	0.75	0.87	1.0	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.87	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.0	0.0	0.0	0.0
	b23r	b09r	g94b	g80b	g68b	g54b	g43b	g35b	g29b	b38r	b23r	b05r	g84b	g68b	g50b	g37b	g29b	g24b	b51r	b42r	b23r	g94b	g68b	g43b	g29b	g22b	g17b	g68b	g68b	g68b	g68b	g94b	r08j	r08j	r08j	r08j	g94b	g94b	g94b	g94b
06	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.63	0.63	0.63	0.63
	0.62	0.62	0.62	0.62	0.62	0.62	0.75	0.87	1.0	0.62	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.87	0.62	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.62	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.37	0.0	0.0	0.0	0.0
	b23r	b12r	b01r	g88b	g77b	g68b	g56b	g47b	g39b	b35r	b23r	b09r	g94b	g80b	g68b	g54b	g43b	g35b	b46r	b38r	b23r	b05r	g84b	g68b	g50b	g37b	g29b	g68b	g68b	g68b	g68b	g68b	g94b	r08j	r08j	r08j	g94b	g94b	g94b	g94b
07	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.75	0.75	0.75	0.75
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.87	1.0	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.87	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.0	0.0	0.0	0.0
	b23r	b14r	b05r	g94b	g84b	g75b	g68b	g58b	g50b	b33r	b23r	b12r	b01r	g88b	g77b	g68b	g56b	g47b	b42r	b35r	b23r	b09r	g94b	g80b	g68b	g54b	g43b	g68b	g68b	g68b	g68b	g68b	g68b	g94b	r08j	r08j	g94b	g94b	g94b	g94b
08	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.88	0.88	0.88	0.88
	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	1.0	0.87	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.87	0.87	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.12	0.0	0.0	0.0	0.0
	b23r	b15r	b07r	g98b	g90b	g82b	g74b	g68b	g59b	b31r	b23r	b14r	b05r	g94b	g84b	g75b	g68b	g58b	b40r	b33r	b23r	b12r	b01r	g88b	g77b	g68b	g56b	g68b	g68b	g68b	g68b	g68b	g68b	g68b	g94b	r08j	g94b	g94b	g94b	g94b
09	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	1.0	0.87	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.12	0.0	0.0	0.0	0.0	0.0
	b23r	b16r	b09r	b02r	g94b	g87b	g80b	g73b	g68b	b30r	b23r	b15r	b07r	g98b	g90b	g82b	g74b	g68b	b38r	b31r	b23r	b14r	b05r	g94b	g84b	g75b	g68b	g68b	g68b	g68b	g68b	g68b	g68b	g68b	g68b	g94b	g94b	g94b	g94b	g94b
10	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.37	0.37	0.37	0.37	0.5	0.62	0.75	0.87	1.0	0.5	0.5	0.5	0.5	0.5	0.62	0.75	0.87	1.0	0.62	0.62	0.62	0.62	0.62	0.62	0.75	0.87	1.0	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.0	0.0	0.0
	r08j	r42j	r78j	j06g	j23g	j36g	j46g	j53g	j59g	r08j	r33j	r60j	r85j	j06g	j19g	j30g	j39g	j46g	r08j	r28j	r49j	r71j	r90j	j06g	j17g	j26g	j34g	g94b	j06g	j06g	j06g	j06g	j06g	j06g	j06g	j06g	g94b	g94b	g94b	g94b
11	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.07	0.07	0.07	0.07
	0.37	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.87	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.87	0.62	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.87	0.12	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.87	0.0	0.0	0.0	0.0
	b93r	r08j	r60j	j06g	j30g	j46g	j56g	j64g	j69g	b95r	r08j	r42j	r78j	j06g	j23g	j36g	j46g	j53g	b97r	r08j	r33j	r60j	r85j	j06g	j19g	j30g	j39g	b23r	g94b	j06g	j06g	j06g	j06g	j06g	j06g	j06g	g94b	g94b	g94b	g94b
12	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.13	0.13	0.13	0.13
	0.37	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.62	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0
	b81r	b87r	r08j	j06g	j46g	j64g	j73g	j78g	j82g	b87r	b93r	r08j	r60j	j06g	j30g	j46g	j56g	j64g	b90r	b95r	r08j	r42j	r78j	j06g	j23g	j36g	j46g	b23r	b23r	g94b	j06g	j06g	j06g	j06g	j06g	j06g	g94b	g94b	g94b	g94b
13	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.2	0.2	0.2	0.2
	0.37	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.62	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.62	0.62	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.62	0.37	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.62	0.0	0.0	0.0	0.0
	b70r	b70r	b70r	g94b	g00b	g00b	g00b	g00b	g00b	b78r	b81r	b87r	r08j	j06g	j46g	j64g	j73g	j78g	b83r	b87r	b93r	r08j	r60j	j06g	j30g	j46g	j56g	b23r	b23r	b23r	g94b	j06g	j06g	j06g	j06g	j06g	g94b	g94b	g94b	g94b
14	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.27	0.27	0.27	0.27
	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.62	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.62	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.0	0.0	0.0	0.0
	b62r	b59r	b51r	b23r	g68b	g29b	g17b	g12b	g09b	b70r	b70r	b70r	b70r	g94b	g00b	g00b	g00b	g00b	b76r	b78r	b81r	b87r	r08j	j06g	j46g	j64g	j73g	b23r	b23r	b23r	b23r	g94b	j06g	j06g	j06g	j06g	g94b	g94b	g94b	g94b
15	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.33	0.33	0.33	0.33
	0.62	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.62	0.62	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.62	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.37	0.62	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.37	0.0	0.0	0.0	0.0
	b56r	b51r	b42r	b23r	g94b	g68b	g43b	g29b	g22b	b64r	b62r	b59r	b51r	b23r	g68b	g29b	g17b	g12b	b70r	b70r	b70r	b70r	b70r	g94b	g00b	g00b	g00b	b23r	b23r	b23r	b23r	b23r	g94b	j06g	j06g	j06g	g94b	g94b	g94b	g94b
16	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.4	0.4	0.4	0.4
	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.62	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.37	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.0	0.0	0.0	0.0
	b51r	b46r	b38r	b23r	b05r	g84b	g68b	g50b	g37b	b59r	b56r	b51r	b42r	b23r	g94b	g68b	g43b	g29b	b65r	b64r	b62r	b59r	b51r	b23r	g68b	g29b	g17b	b23r	b23r	b23r	b23r	b23r	b23r	g94b	j06g	j06g	g94b	g94b	g94b	g94b
17	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.47	0.47	0.47	0.47
	0.87	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.62	0.87	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.87	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.37	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.12	0.0	0.0	0.0	0.0
	b48r	b42r	b35r	b23r	b09r	g94b	g80b	g68b	g54b	b55r	b51r	b46r	b38r	b23r	b05r	g84b	g68b	g50b	b61r	b59r	b56r	b51r	b42r	b23r	g94b	g68b	g43b	b23r	b23r	b23r	b23r	b23r	b23r	b23r	g94b	j06g	g94b	g94b	g94b	g94b
18	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.53	0.53	0.53	0.53
	1.0	0.87	0.75	0.62	0.62	0.62	0.62	0.62	0.62	1.0	0.87	0.75	0.62	0.5	0.5	0.5	0.5	0.5	1.0	0.87	0.75	0.62	0.5	0.37	0.37	0.37	0.37	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.12	0.0	0.0	0.0	0.0	0.0
	b45r	b40r	b33r	b23r	b12r	b01r	g88b	g77b	g68b	b51r	b48r	b42r	b35r	b23r	b09r	g94b	g80b	g68b	b57r	b55r	b51r	b46r	b38r	b23r	b05r	g84b	g68b	b23r	b23r	b23r	b23r	b23r	b23r	b23r	b23r	g94b	g94b	g94b	g94b	g94b
19	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.6	0.6	0.6
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.87	1.0	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.0	0.0	0.0
	r08j	r24j	r42j	r60j	r78j	r93j	j06g	j15g	j23g	r08j	r22j	r37j	r53j	r68j	r82j	r95j	j06g	j14g	r08j	r20j	r33j	r47j	r60j	r74j	r85j	r96j	j06g	g94b	g00b	g00b	g00b	g00b	g00b	g00b	g00b	g00b	g94b	g94b	g94b	g94b
20	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.67	0.67	0.67	0.67
	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.87	0.87	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.87	1.0	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.12	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.87	0.0	0.0	0.0	0.0
	b98r	r08j	r28j	r49j	r71j	r90j	j06g	j17g	j26g	r00j	r08j	r24j	r42j	r60j	r78j	r93j	j06g	j15g	r01j	r08j	r22j	r37j	r53j	r68j	r82j	r95j	j06g	b70r	g94b	g00b	g00b	g00b	g00b	g00b	g00b	g00b	g94b	g94b	g94b	g94b
21	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.73	0.73	0.73	0.73
	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.87	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	1.0	0.87	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0
	b93r	b97r	r08j	r33j	r60j	r85j	j06g	j19g	j30g	b94r	b98r	r08j	r28j	r49j	r71j	r90j	j06g	j17g	b95r	r00j	r08j	r24j	r42j	r60j	r78j	r93j	j06g	b70r	b70r	g94b	g00b	g00b	g00b	g00b	g00b	g00b	g94b	g94b	g94b	g94b
22	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.8	0.8	0.8	0.8
	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.62	0.87	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.62	1.0	0.87	0.75	0.62	0.62	0.62	0.62	0.62	0.62	0.37	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.62	0.0	0.0	0.0	0.0
	b87r	b90r	b95r	r08j	r42j	r78j	j06g	j23g	j36g	b89r	b93r	b97r	r08j	r33j	r60j	r85j	j06g	j19g	b91r	b94r	b98r	r08j	r28j	r49j	r71j	r90j	j06g	b70r	b70r	b70r	g94b	g00b	g00b	g00b	g00b	g00b	g94b	g94b	g94b	g94b
23	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.87	0.87	0.87	0.87
	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.87	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	1.0	0.87	0.75	0.62	0.5	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.0	0.0	0.0	0.0
	b81r	b83r	b87r	b93r	r08j	r60j	j06g	j30g	j46g	b84r	b87r	b90r	b95r	r08j	r42j	r78j	j06g	j23g	b87r	b89r	b93r	b97r	r08j	r33j	r60j	r85j	j06g	b70r	b70r	b70r	b70r	g94b	g00b	g00b	g00b	g00b	g94b	g94b	g94b	g94b
24	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.93	0.93	0.93	0.93
	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.37	0.87	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.37	1.0	0.87	0.75	0.62	0.5	0.37	0.37	0.37	0.37	0.62	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.37	0.0	0.0	0.0	0.0
	b75r	b76r	b78r	b81r	b87r	r08j	j06g	j46g	j64g	b79r	b81r	b83r	b87r	b93r	r08j	r60j	j06g	j30g	b83r	b84r	b87r	b90r	b95r	r08j	r42j	r78j	j06g	b70r	b70r	b70r	b70r	b70r	g94b	g00b	g00b	g00b	g94b	g94b	g94b	g94b
25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	1.0	1.0	1.0	1.0
	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.25	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.25	0.25	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.0	0.0	0.0	0.0
	b70r	b70r	b70r	b70r	b70r	b70r	g94b	g00b	g00b	b75r	b75r	b76r	b78r	b81r	b87r	r08j	j06g	j46g	b78r	b79r	b81r	b83r	b87r	b93r	r08j	r60j	j06g	b70r	b70r	b70r	b70r	b70r	b70r	g94b	g00b	g00b	g94b	g94b	g94b	g94b
26	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.0	1.0	1.0	1.0
	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.12	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.12	0.12	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.12	0.0	1.0	1.0	1.0
	b66r	b65r	b64r	b62r	b59r	b51r	b23r	g68b	g29b	b70r	b70r	b70r	b70r	b70r	b70r	b70r	g94b	g00b	b74r	b75r	b75r	b76r	b78r	b81r	b87r	r08j	j06g	b70r	b70r	b70r	b70r	b70r	b70r	b70r	g94b	g00b	g94b	r08j	j06g	g00b
27	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	1.0	1.0	1.0	1.0
	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.25	0.25	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.12	0.12	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.12	0.0	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.12	0.0	0.0	1.0	1.0	1.0
	b62r	b61r	b59r	b56r	b51r	b42r	b23r	g94b	g68b	b66r	b66r	b65r	b64r	b62r	b59r	b51r	b23r	g68b	b70r	b70r	b70r	b70r	b70r	b70r	b70r	b70r	g94b	b70r	b70r	b70r	b70r	b70r	b70r	b70r	b70r	g94b	g94b	g68b	b23r	b70r

See for similar files: http://www.ps.bam.de/De99/; www.ps.bam.de/De.HTM
Technical information: http://www.ps.bam.de   Version 2.1, io=1,1, ColSpx=1

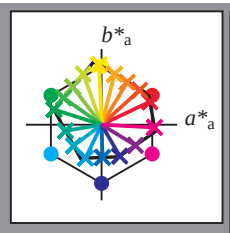
BAM registration: 20080701-De99/10L/L99E00NA.PS/ .TXT   BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

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

Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
lab*tch* **and** ***lab*icu****
elementary hue text:
u* **= 16 hues** ***r00j, r25j, ..., b75r***
contrast reduction factor:
c_R **= 0.96**

ORS20_95a; adapted (a) CIELAB data

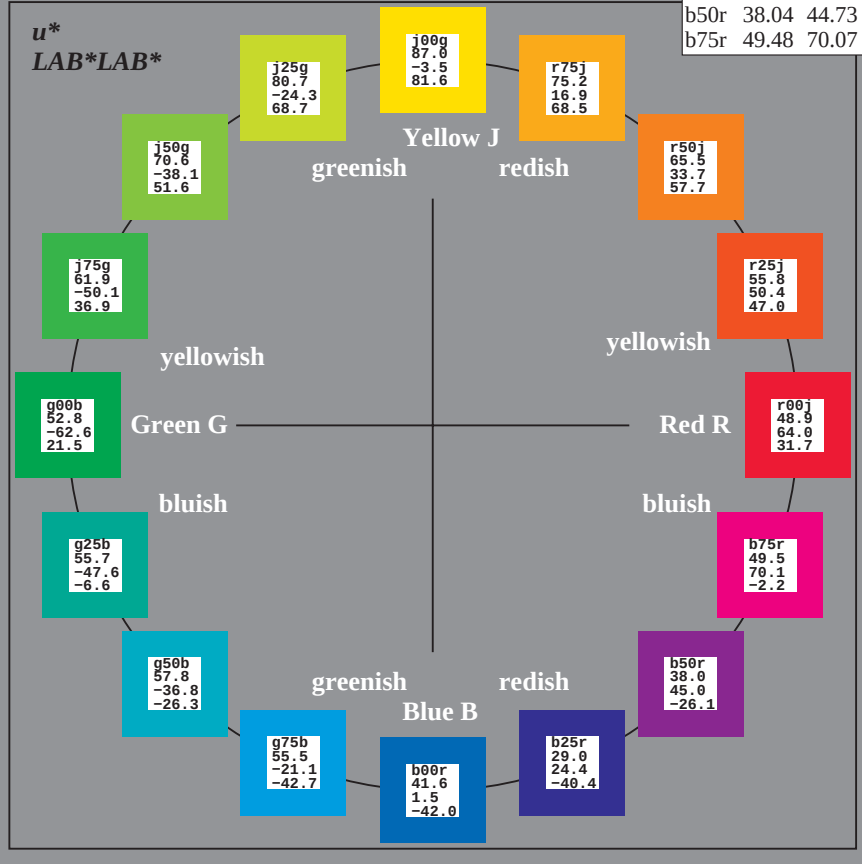
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

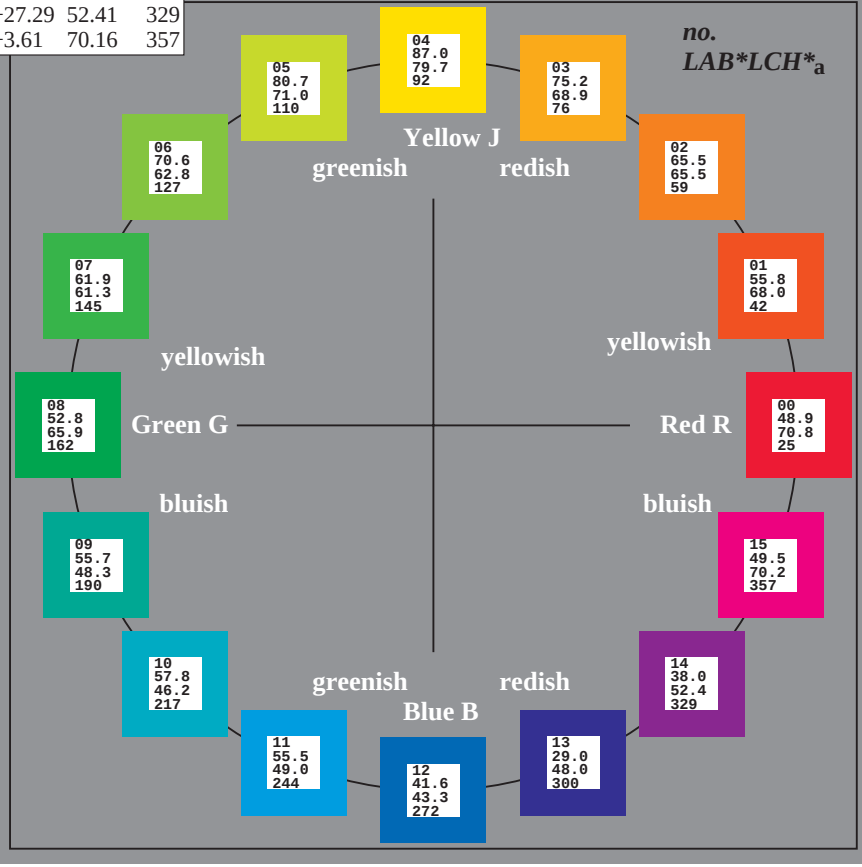


%Gamut
u*rel = 83
%Regularity
g*H,rel = 72
g*C,rel = 57

ORS20_95; CIELAB data

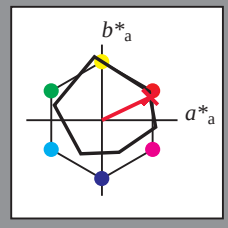
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	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 ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95; CIELAB data

	L=L**	*a**	*b**	C^*_{ab}	h^*_{ab}
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

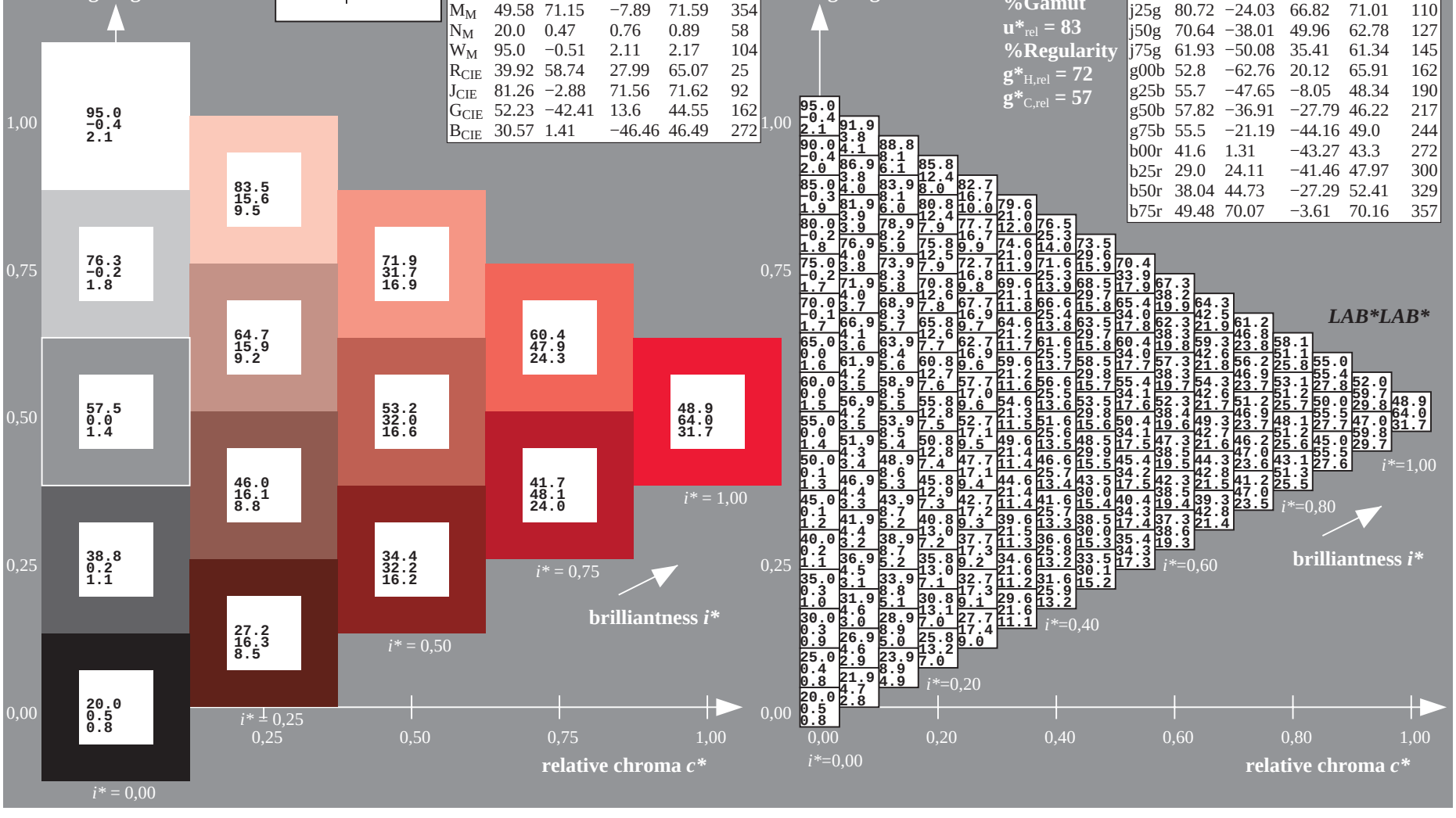
Data for maximum colour (Ma):
***LAB*LAB**Ma: 49 64 30**
***LAB*LCH**Ma: 49 71 25**
***lab*rgb**Ma: 1.0 0.0 0.0**
***lab*olv**Ma: 1.0 0.0 0.16**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = r00j
LAB*LAB*

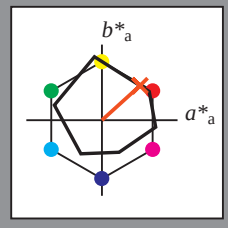
ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

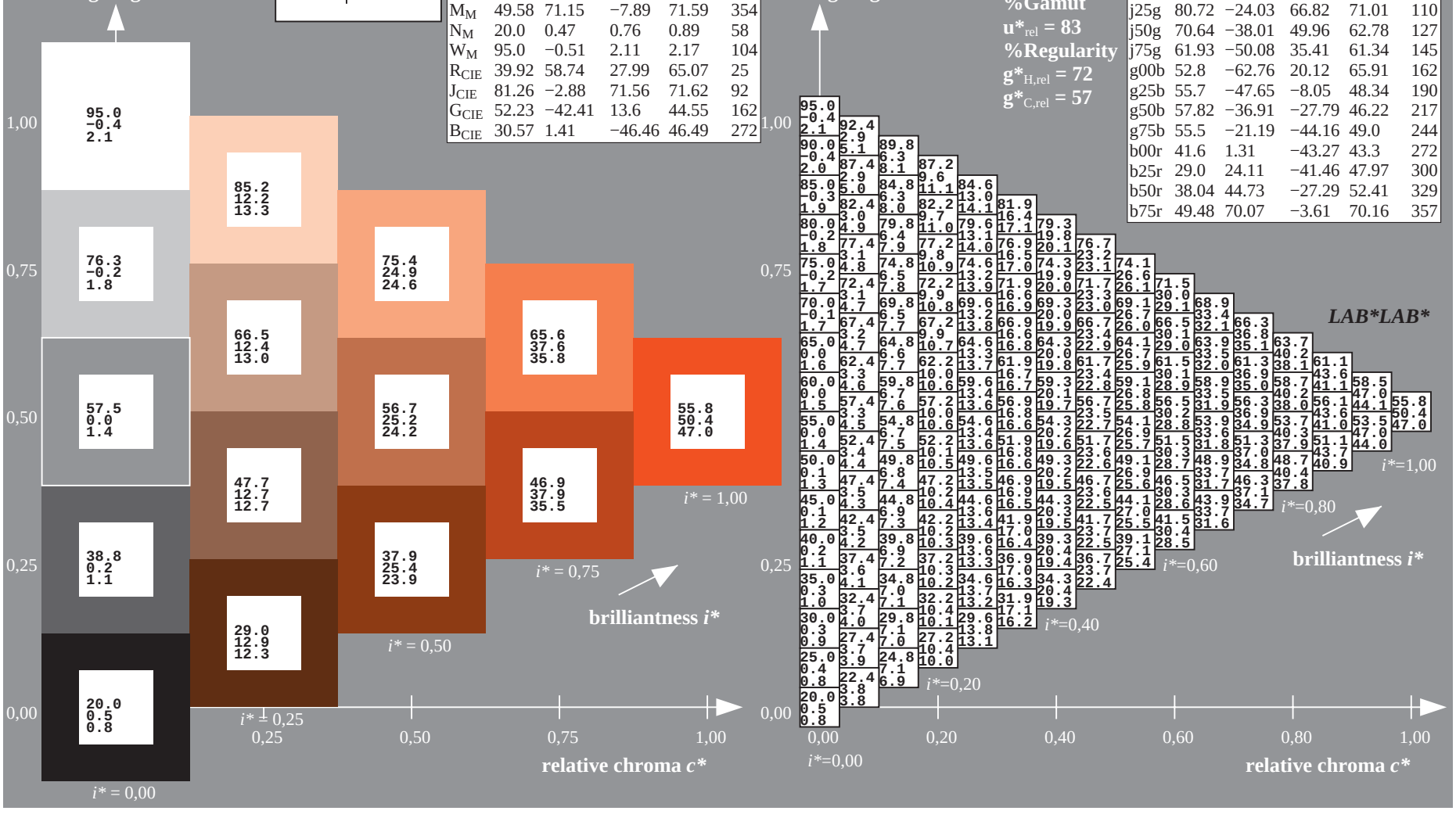
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 56 50 46
*LAB*LCH**$_{Ma}$: 56 68 42
*lab*rgb**$_{Ma}$: 1.0 0.25 0.0
*lab*olv**$_{Ma}$: 1.0 0.17 0.0
triangle lightness *t**

%Gamut
$u^*_{rel} = 83$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

u* = r25j
LAB*LAB*

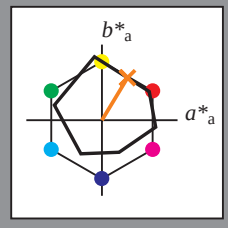
ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

	L*=L*	a*	b*	C*ab	h*ab
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

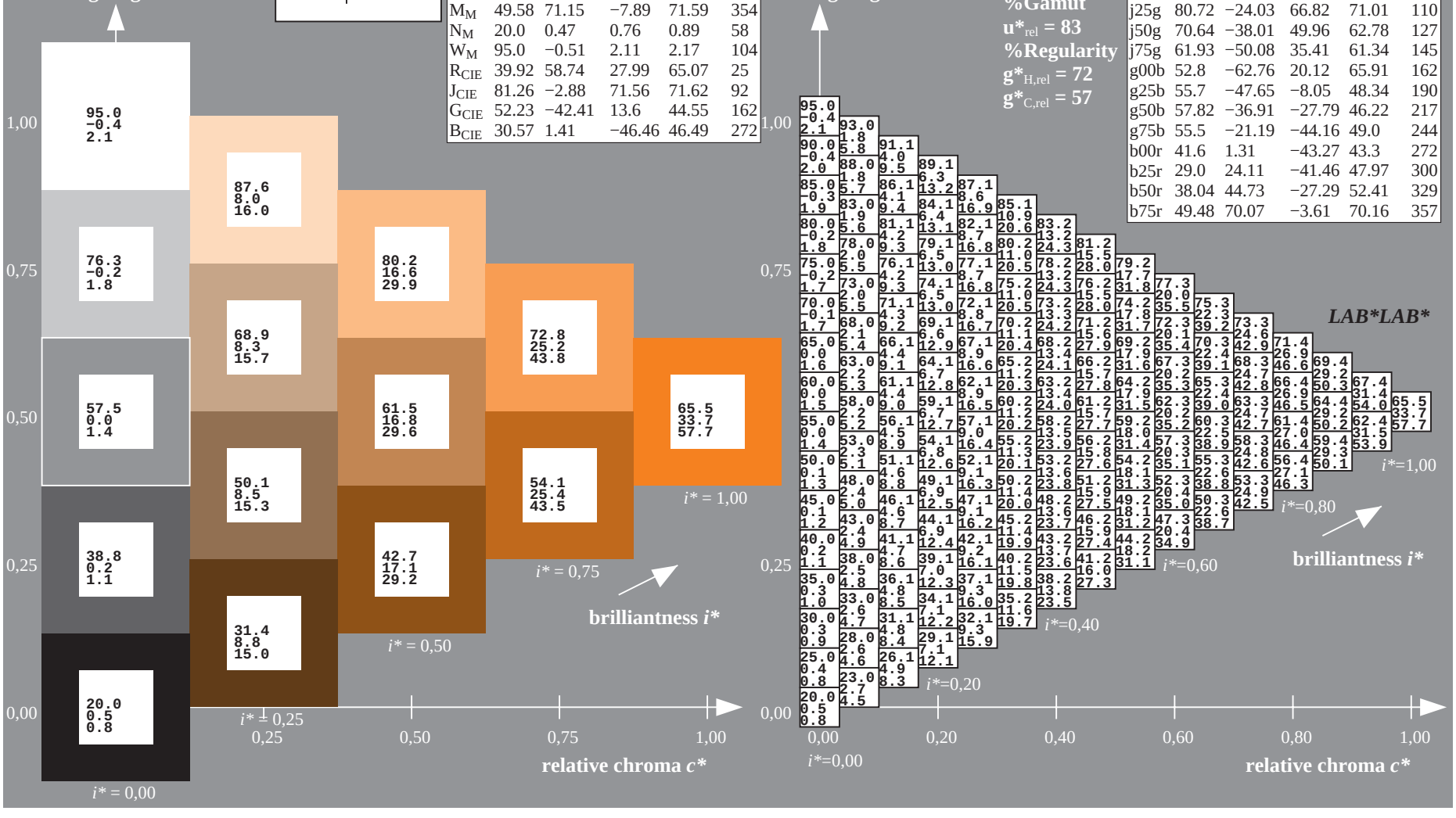
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 65 34 56**
LAB*LCH*$_{Ma}$**: 65 66 59**
lab*rgb*$_{Ma}$**: 1.0 0.5 0.0**
lab*olv*$_{Ma}$**: 1.0 0.4 0.0**
triangle lightness *t**

%Gamut
$u^*_{rel} = 83$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

u* = r50j
LAB*LAB*

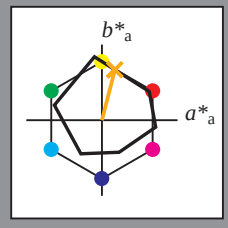
ORS20_95a; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

	L*=L*	a*	b*	C*ab	h*ab
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

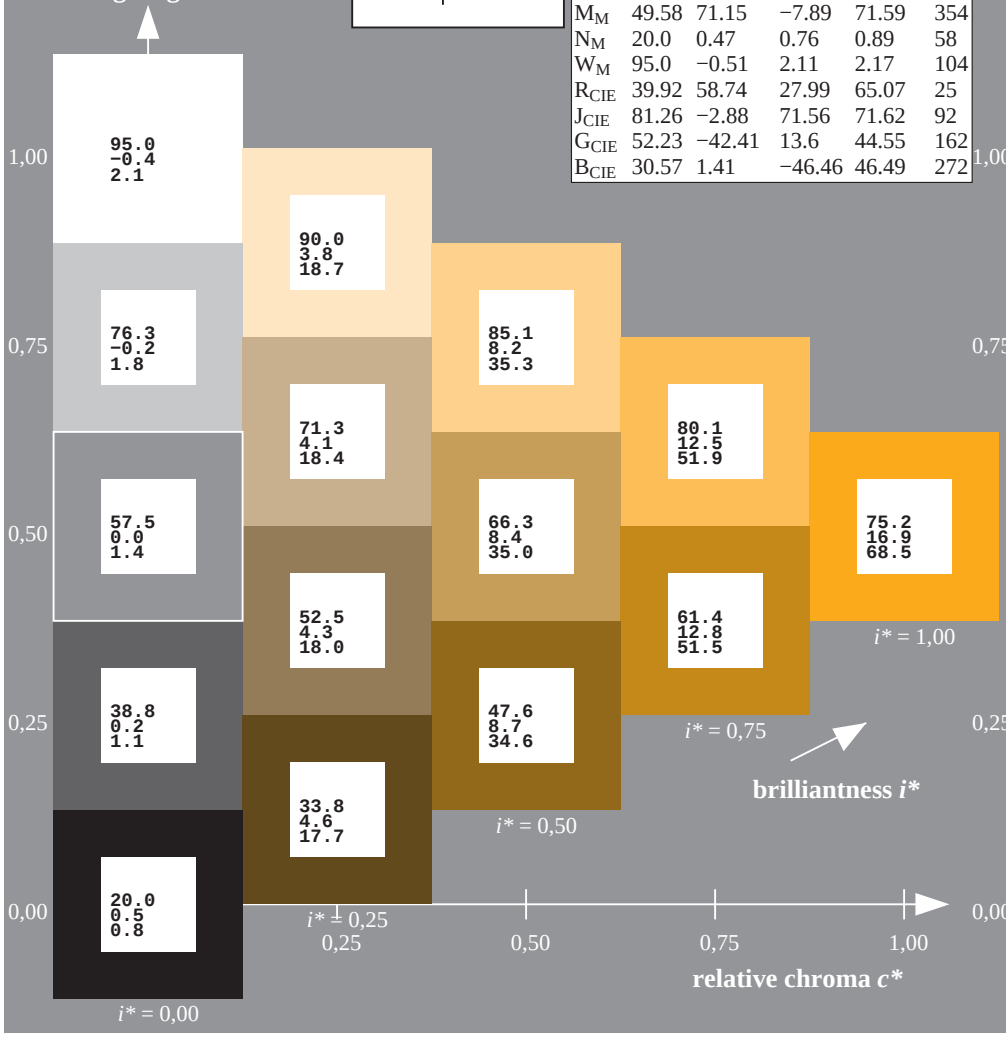
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 75 17 67
LAB*LCH*$_{Ma}$: 75 69 76
lab*rgb*$_{Ma}$: 1.0 0.75 0.0
lab*olv*$_{Ma}$: 1.0 0.63 0.0
triangle lightness *t**

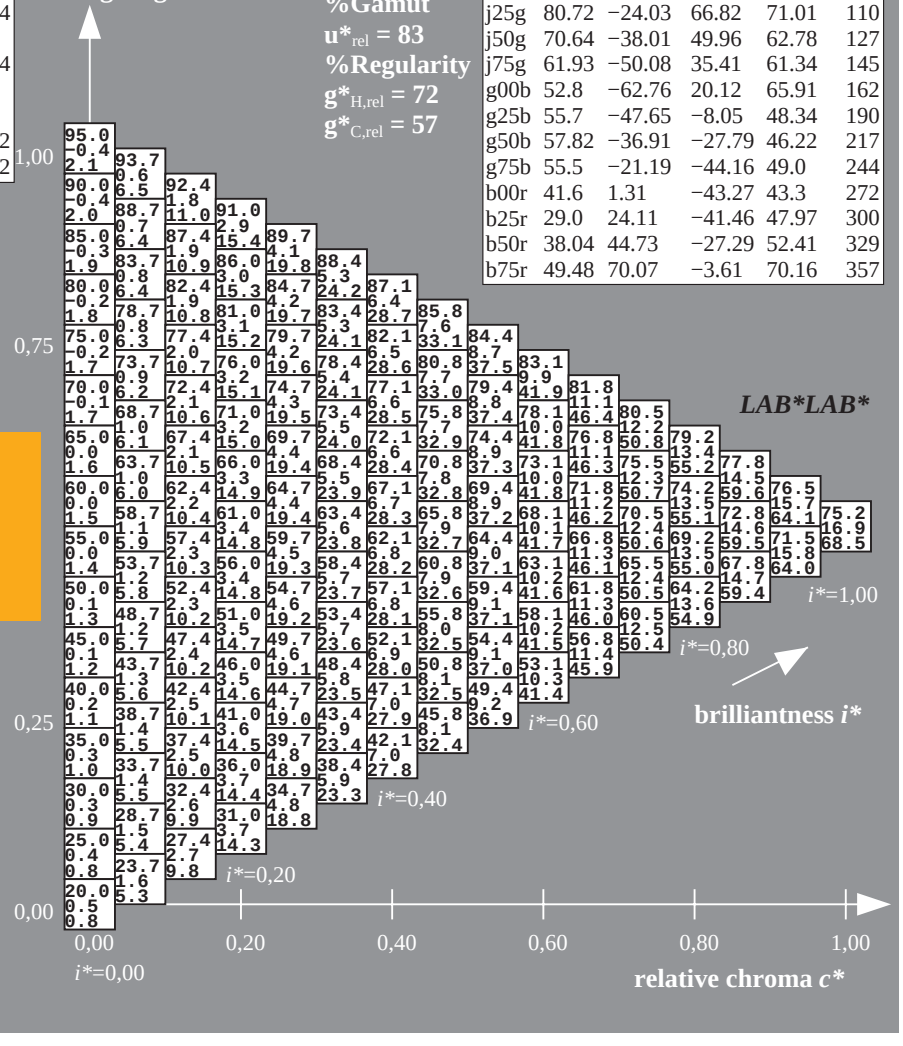
%Gamut
$u^*_{rel} = 83$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

u* = r75j
LAB*LAB*

ORS20_95a; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

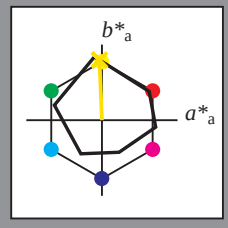




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

u = j00g*
*LAB*LAB**

data for any colour:
*lab*tch** **and** *lab*icu**
elementary hue text:
u = j00g*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

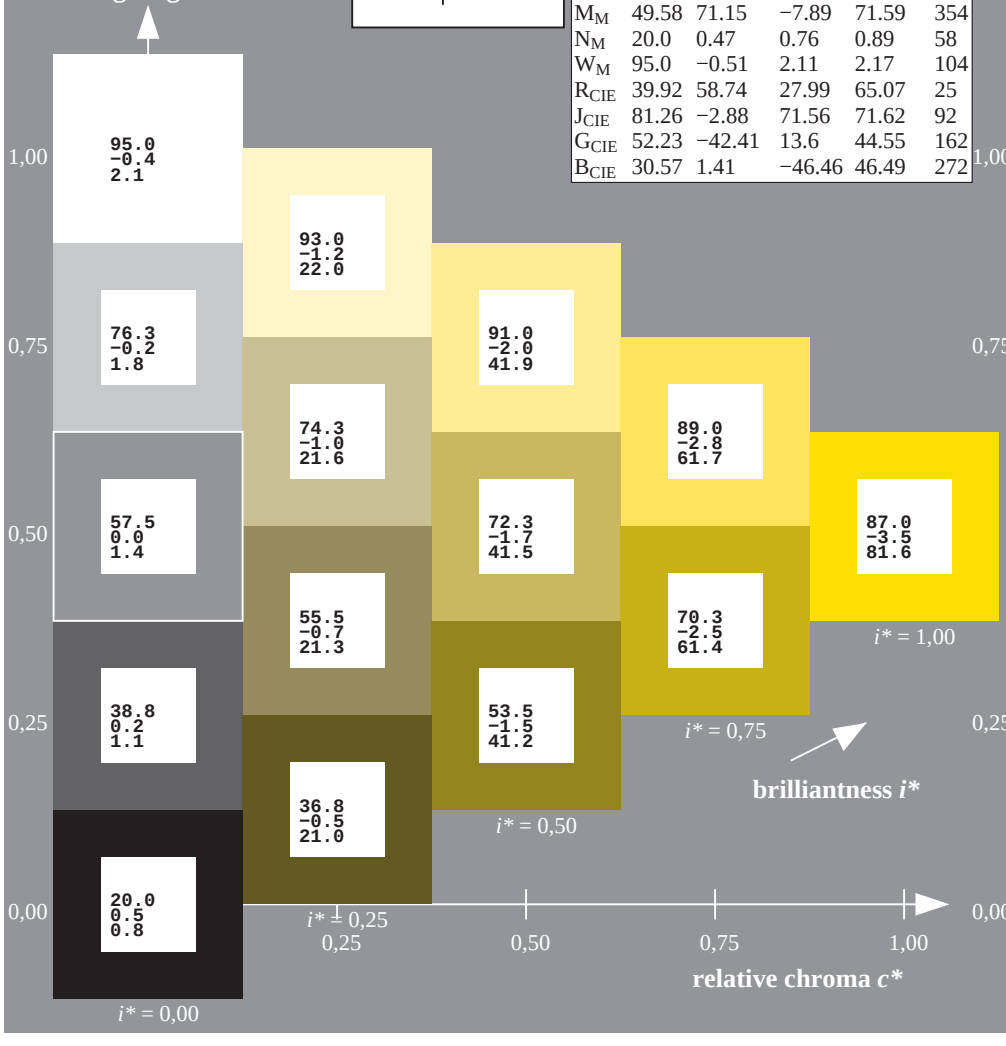
	L*=L*	a*	b*	C*ab	h*ab
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	65.07	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

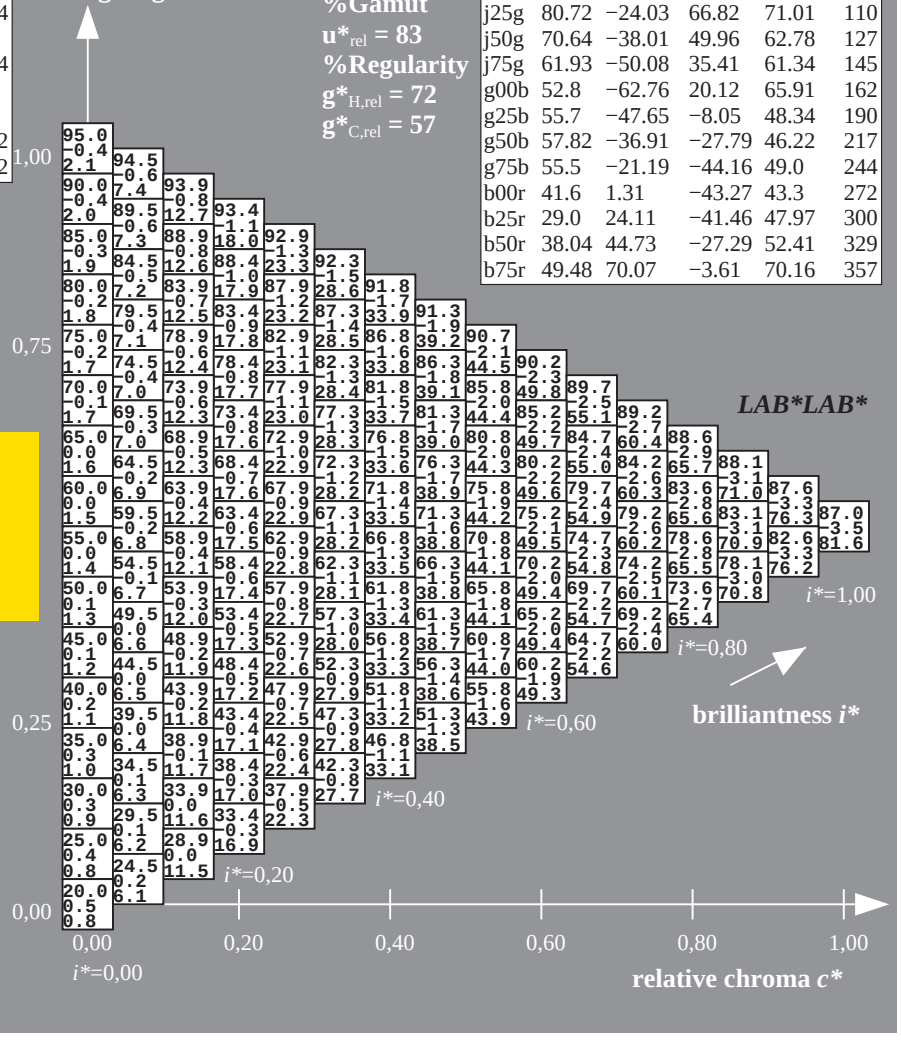
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 87 −2 80
*LAB*LCH**$_{Ma}$: 87 80 92
*lab*rgb**$_{Ma}$: 1.0 1.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.91 0.0
triangle lightness *t**

%Gamut
$u^*_{rel} = 83$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

ORS20_95a; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

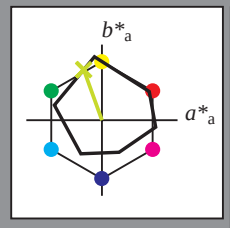




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

u = j25g*
*LAB*LAB**

data for any colour:
*lab*tch** **and** *lab*icu**
elementary hue text:
u = j25g*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

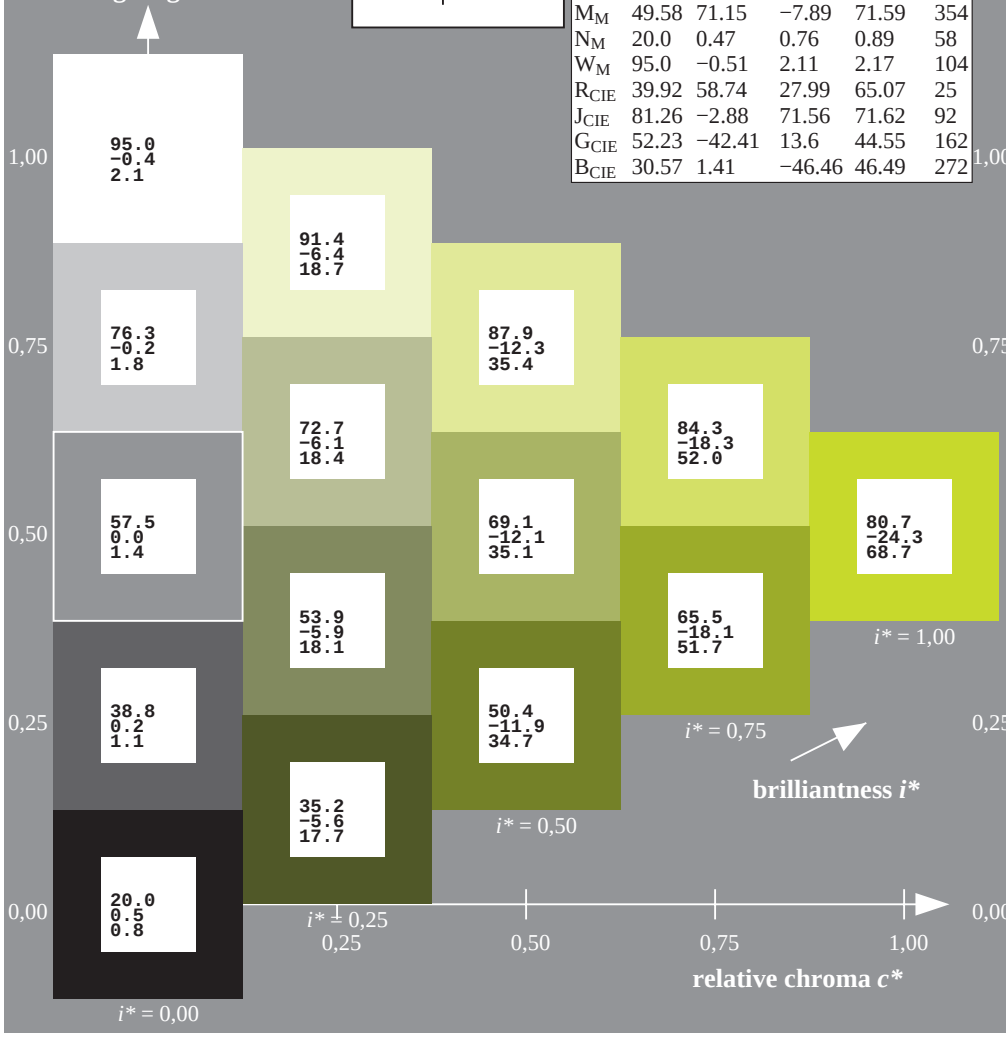
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	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

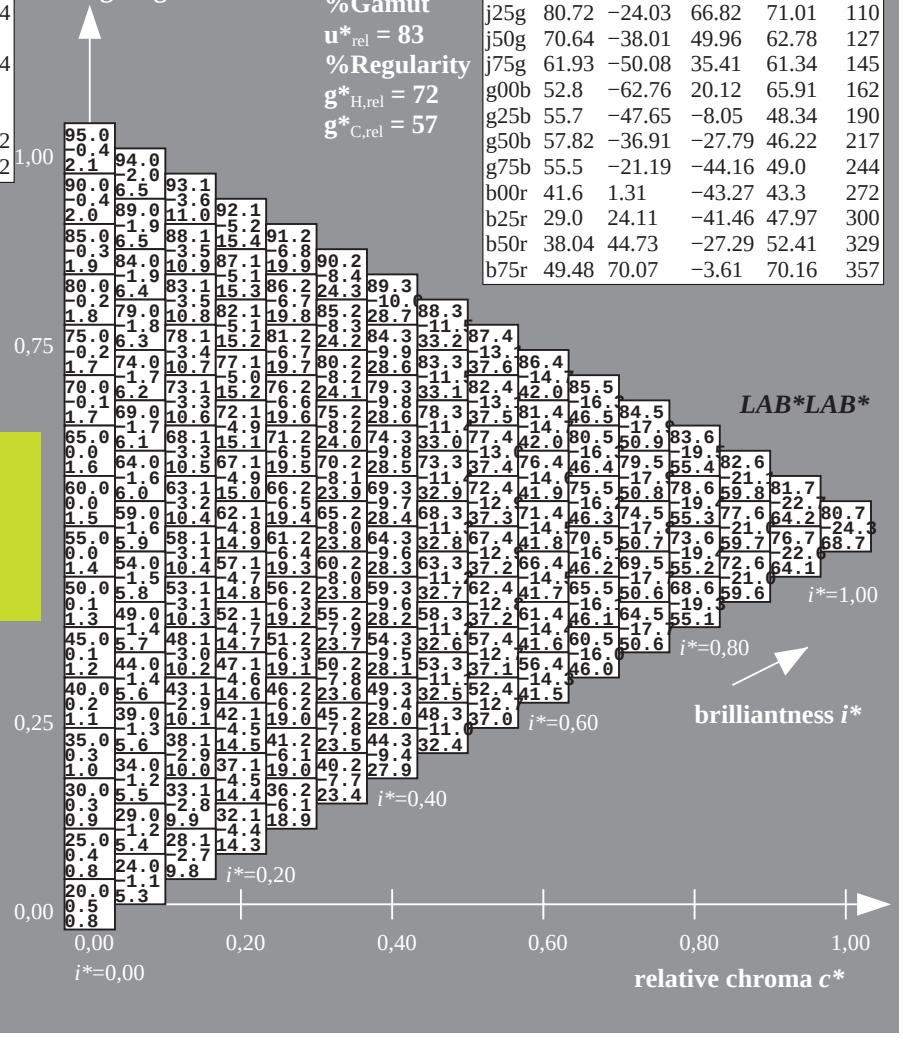
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 81 −23 67
$LAB^*LCH^*_{Ma}$: 81 71 110
$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0
$lab^*olv^*_{Ma}$: 0.73 1.0 0.0
triangle lightness *t**

%Gamut
$u^*_{rel} = 83$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

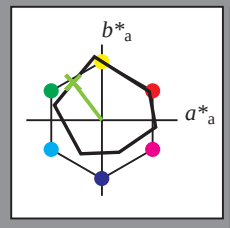




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 127/360 = 0.354**

u* = j50g
LAB*LAB*

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u* = j50g
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95; CIELAB data

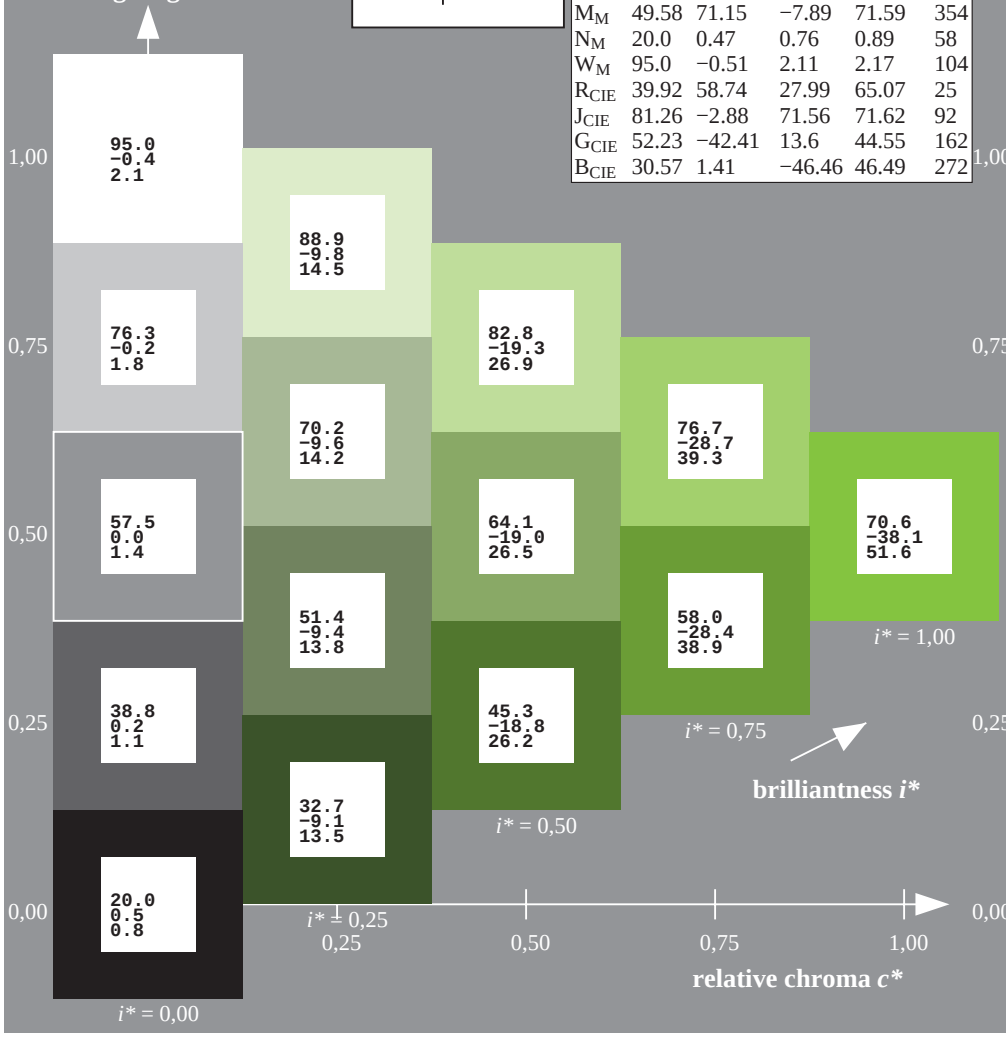
	L=L**	*a**	*b**	C^*_{ab}	h^*_{ab}
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	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

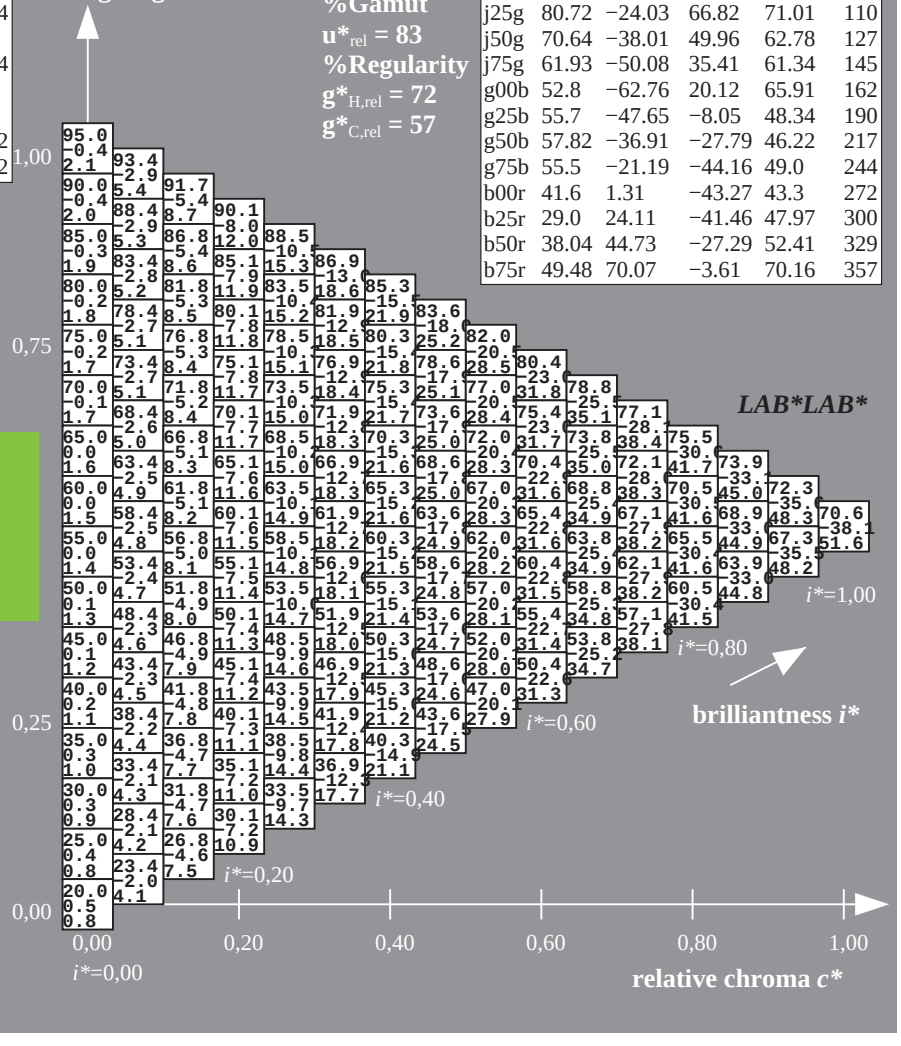
Data for maximum colour (Ma):
***LAB*LAB**Ma: 71 −37 50**
***LAB*LCH**Ma: 71 63 127**
***lab*rgb**Ma: 0.5 1.0 0.0**
***lab*olv**Ma: 0.47 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

	L=L**a	*a**a	*b**a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

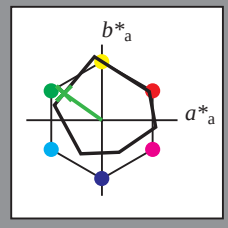




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

u = j75g*
*LAB*LAB**

data for any colour:
*lab*tch** **and** *lab*icu**
elementary hue text:
u = j75g*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

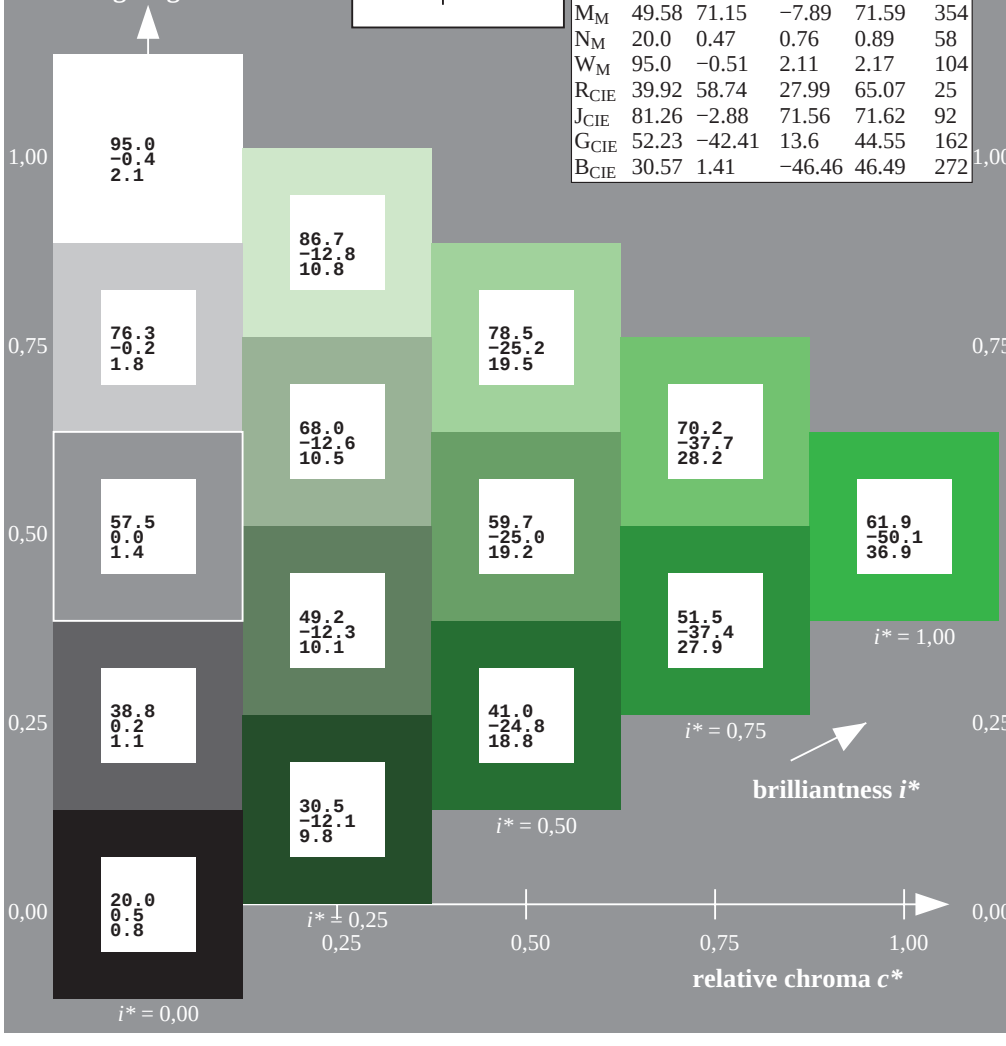
	L*=L*	a*	b*	C*ab	h*ab
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	65.07	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

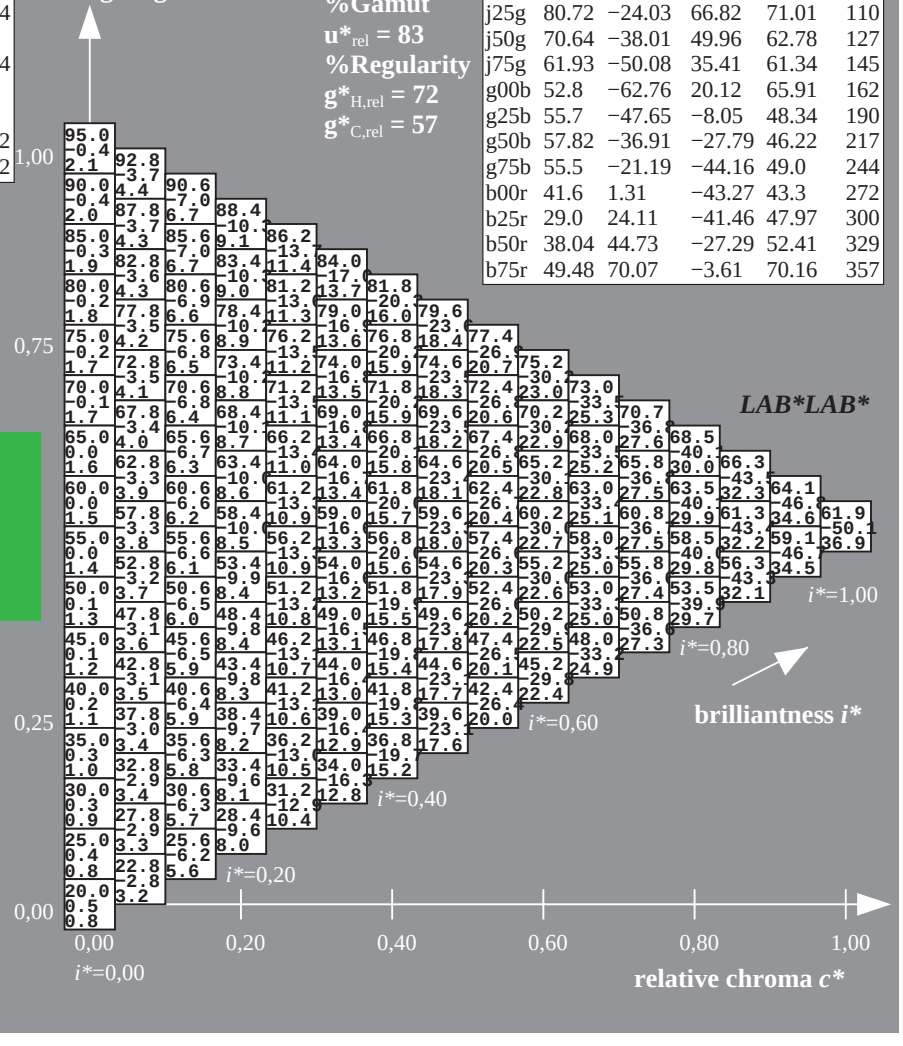
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 62 −49 35
*LAB*LCH**$_{Ma}$: 62 61 145
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.24 1.0 0.0
triangle lightness *t**

%Gamut
$u^*_{rel} = 83$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

ORS20_95a; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

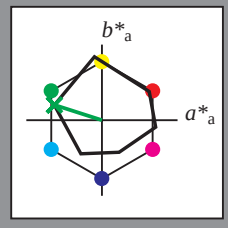




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

u = g00b*
*LAB*LAB**

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
u = g00b*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

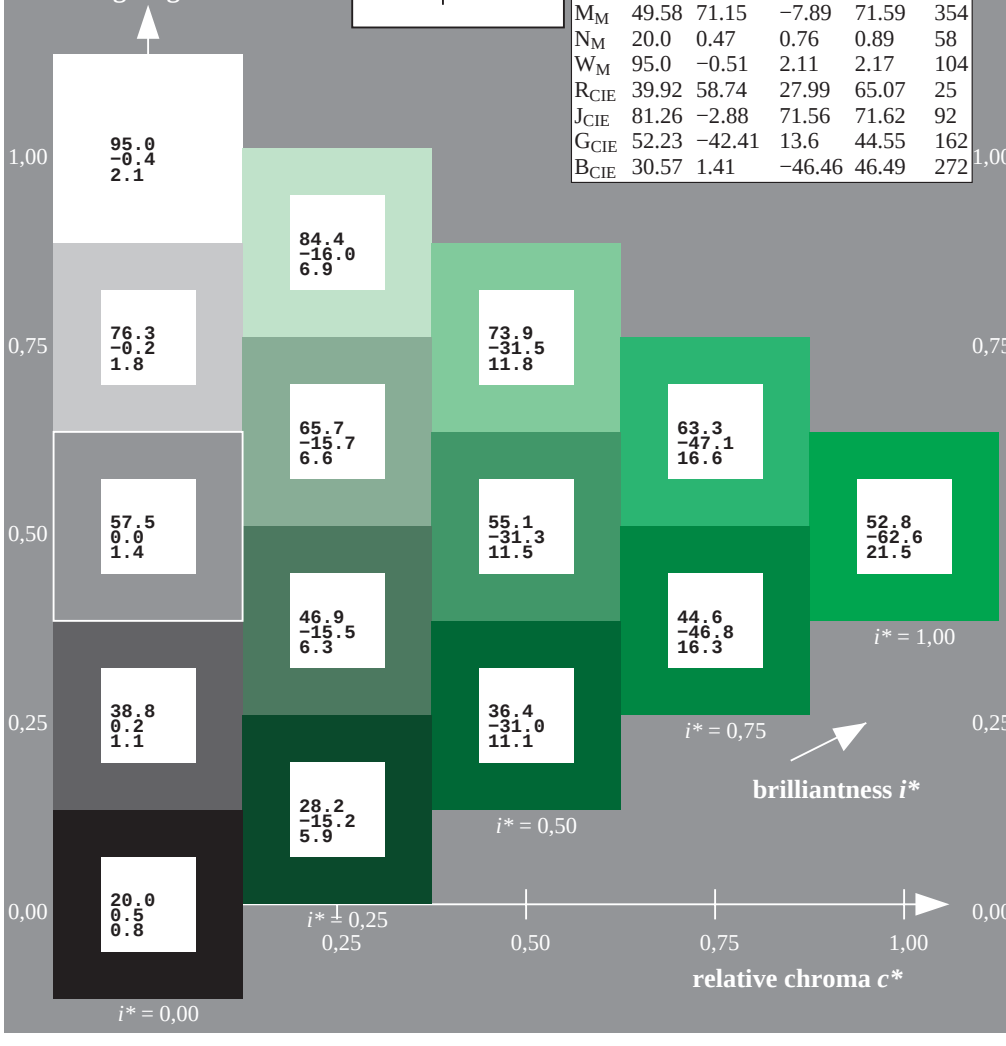
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	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

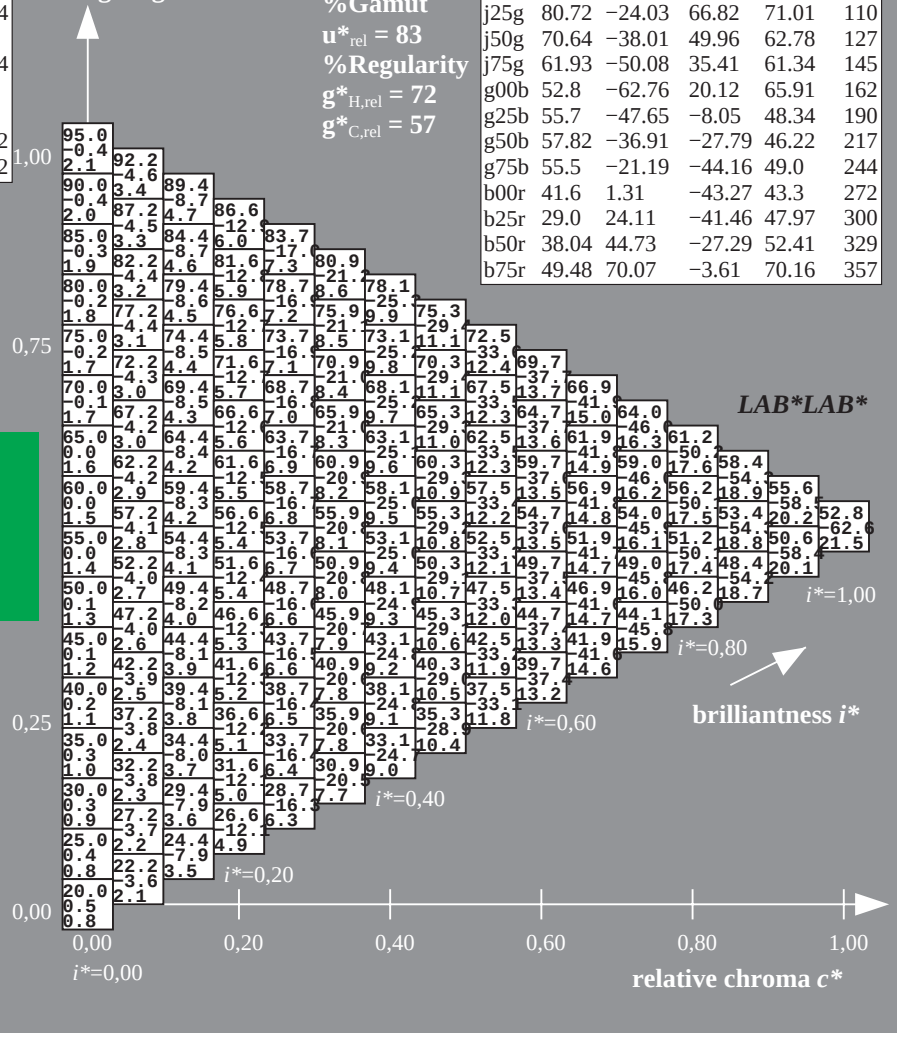
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −62 20
$LAB^*LCH^*_{Ma}$: 53 66 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.0
triangle lightness *t**

%Gamut
$u^*_{rel} = 83$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

ORS20_95a; adapted (a) CIELAB data

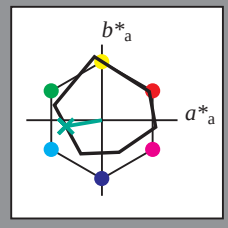
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

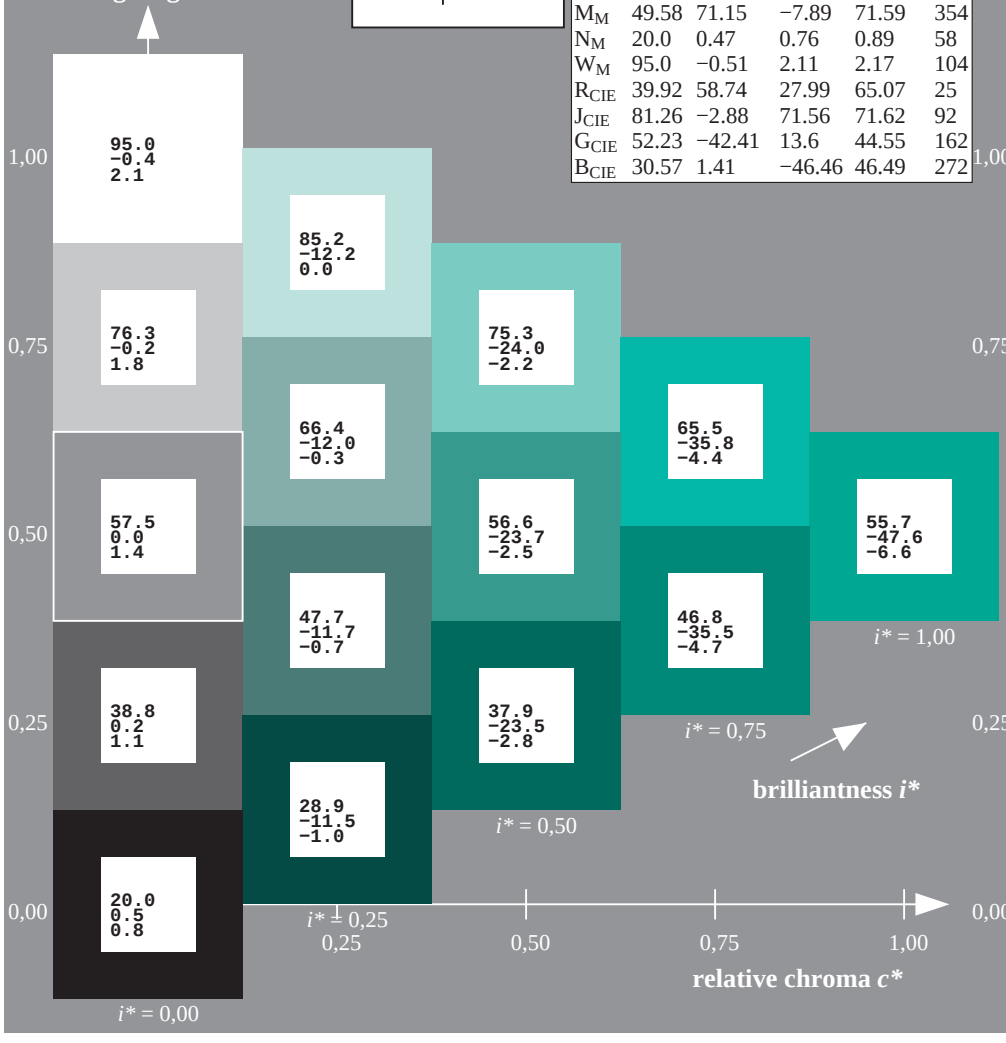
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 56 −47 −7**
LAB*LCH*$_{Ma}$**: 56 48 190**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.5**
lab*olv*$_{Ma}$**: 0.0 1.0 0.44**
triangle lightness *t**

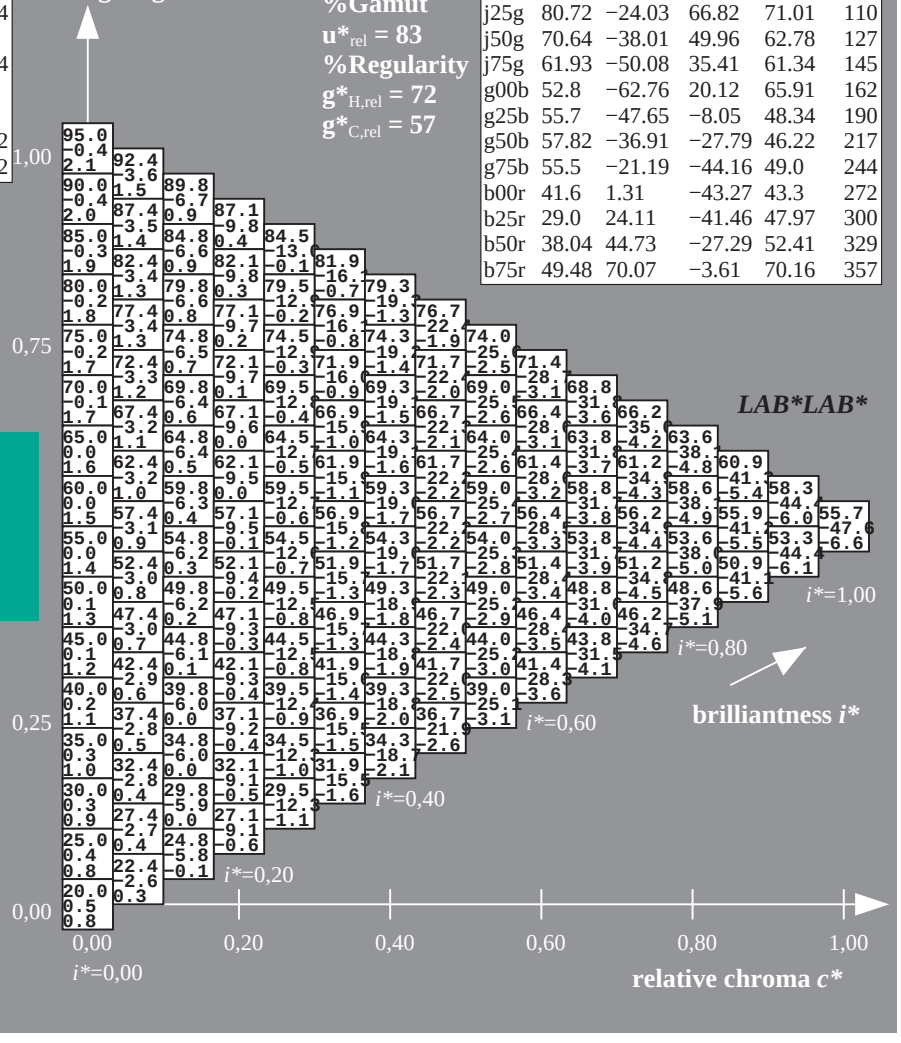
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u* = g25b
LAB*LAB*

ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





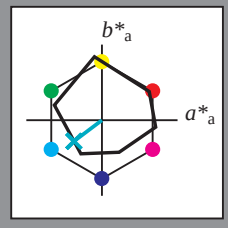
BAM-test chart De99; Colorimetric systems, Page 137/180
colour scales and 8 data tables for 16 hues *r00j* to *b75r*

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

Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95; CIELAB data

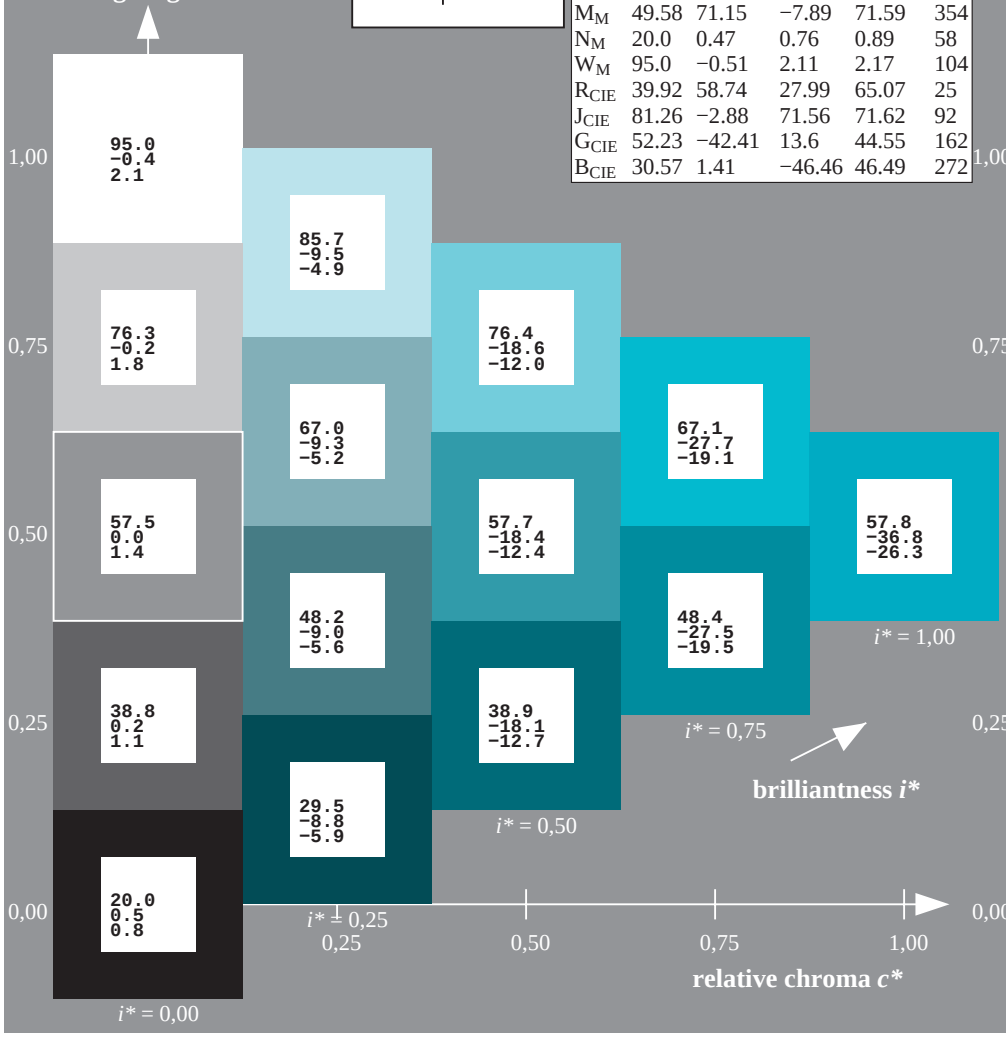
	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	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

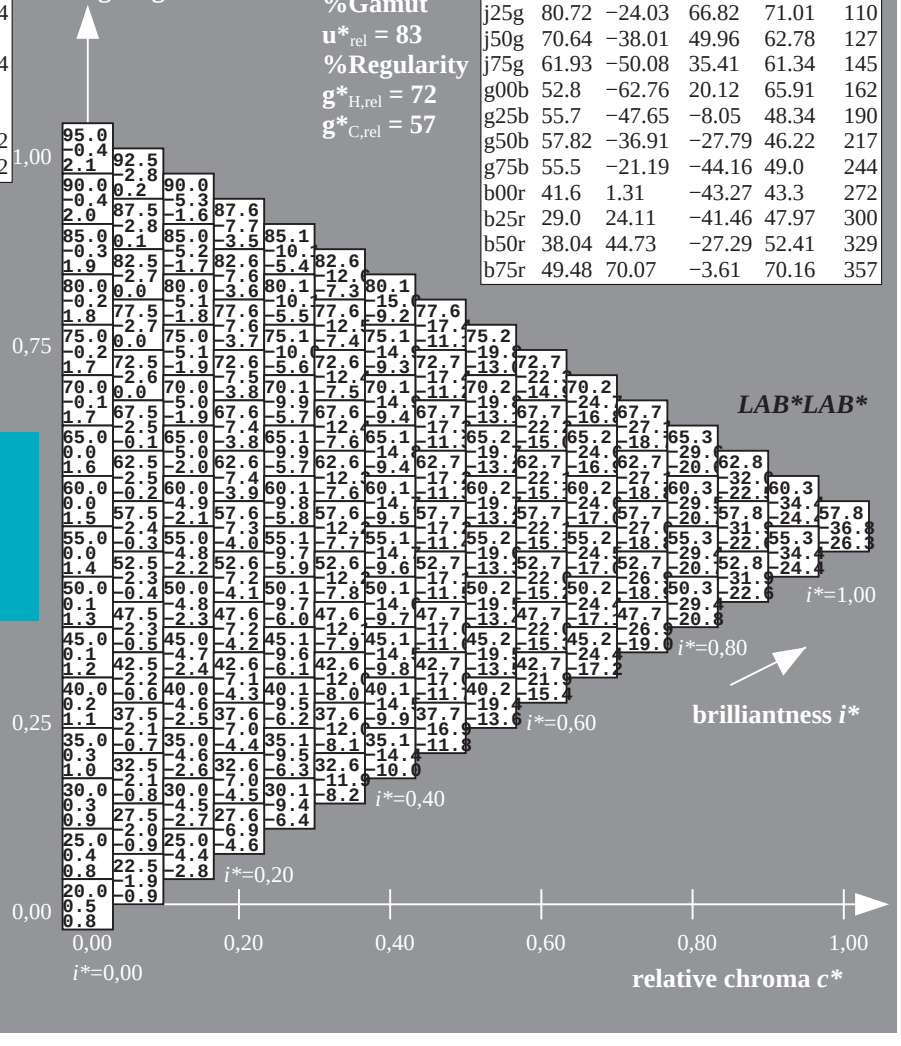
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 58 −36 −27
LAB*LCH*$_{Ma}$: 58 46 217
lab*rgb*$_{Ma}$: 0.0 1.0 1.0
lab*olv*$_{Ma}$: 0.0 1.0 0.74
triangle lightness *t*

%Gamut
u*$_{rel}$ = 83
%Regularity
g*$_{H,rel}$ = 72
g*$_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

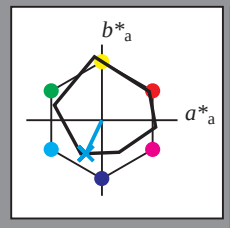




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

u = g75b*
*LAB*LAB**

data for any colour:
*lab*tch** **and** *lab*icu**
elementary hue text:
u = g75b*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

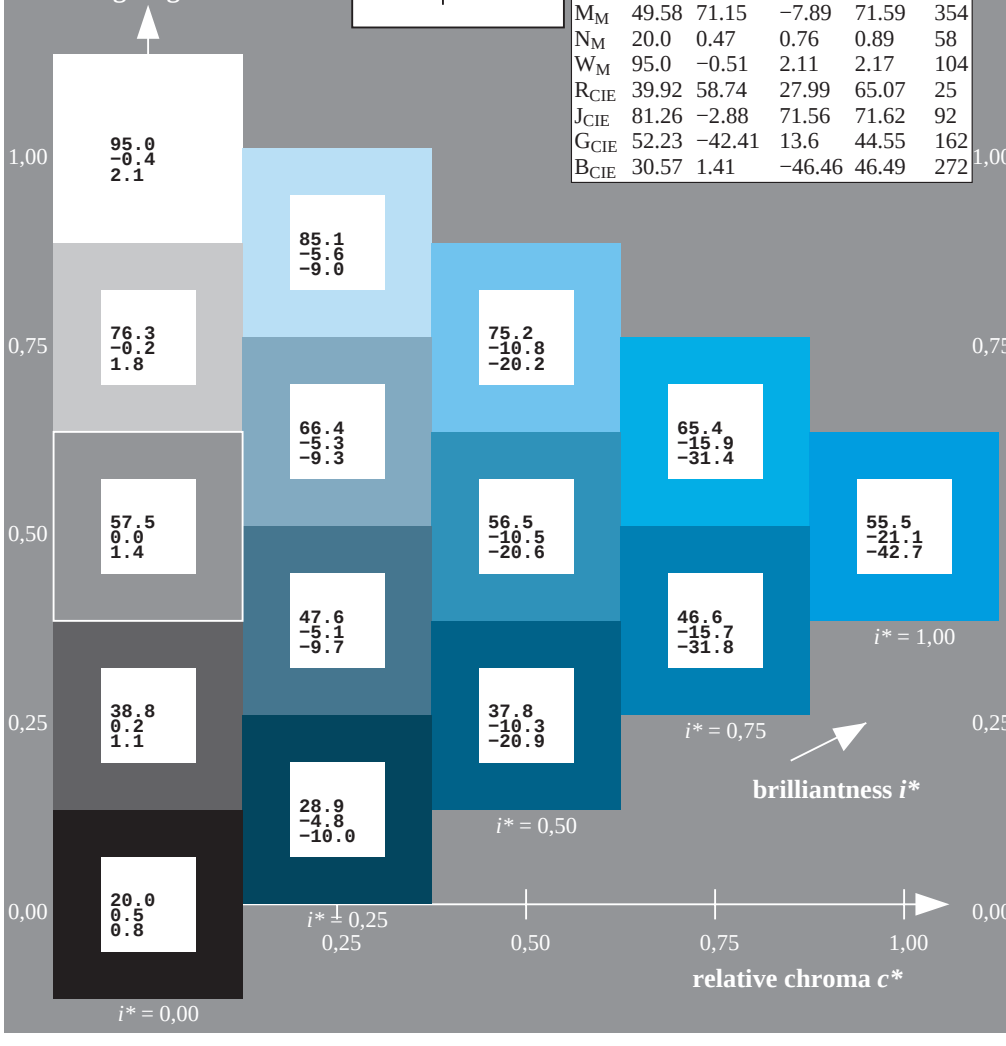
	L*=L*	a*	b*	C*ab	h*ab
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	65.07	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

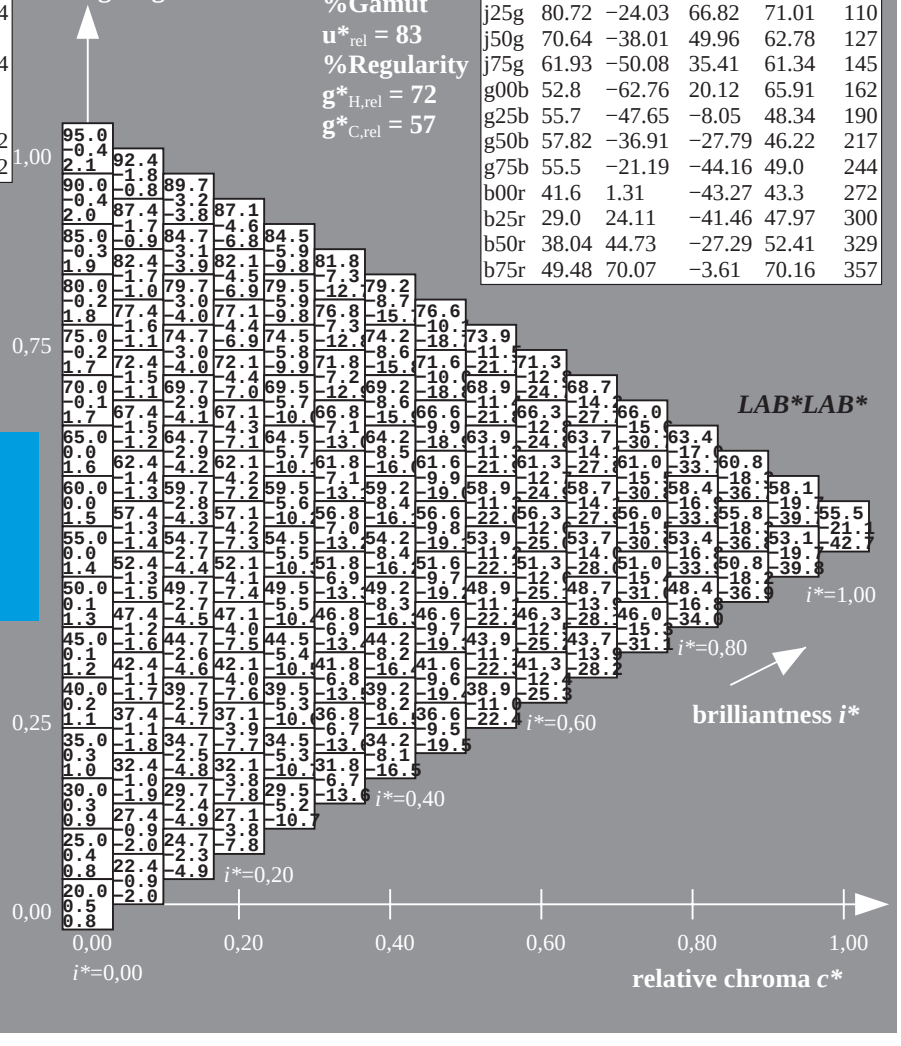
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 55 −20 −43**
***LAB*LCH*Ma*: 55 49 244**
***lab*rgb*Ma*: 0.0 0.5 1.0**
***lab*olv*Ma*: 0.0 0.87 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

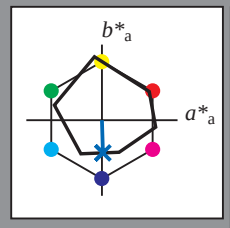




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

u = b00r*
*LAB*LAB**

data for any colour:
*lab*tch** **and** *lab*icu**
elementary hue text:
u = b00r*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

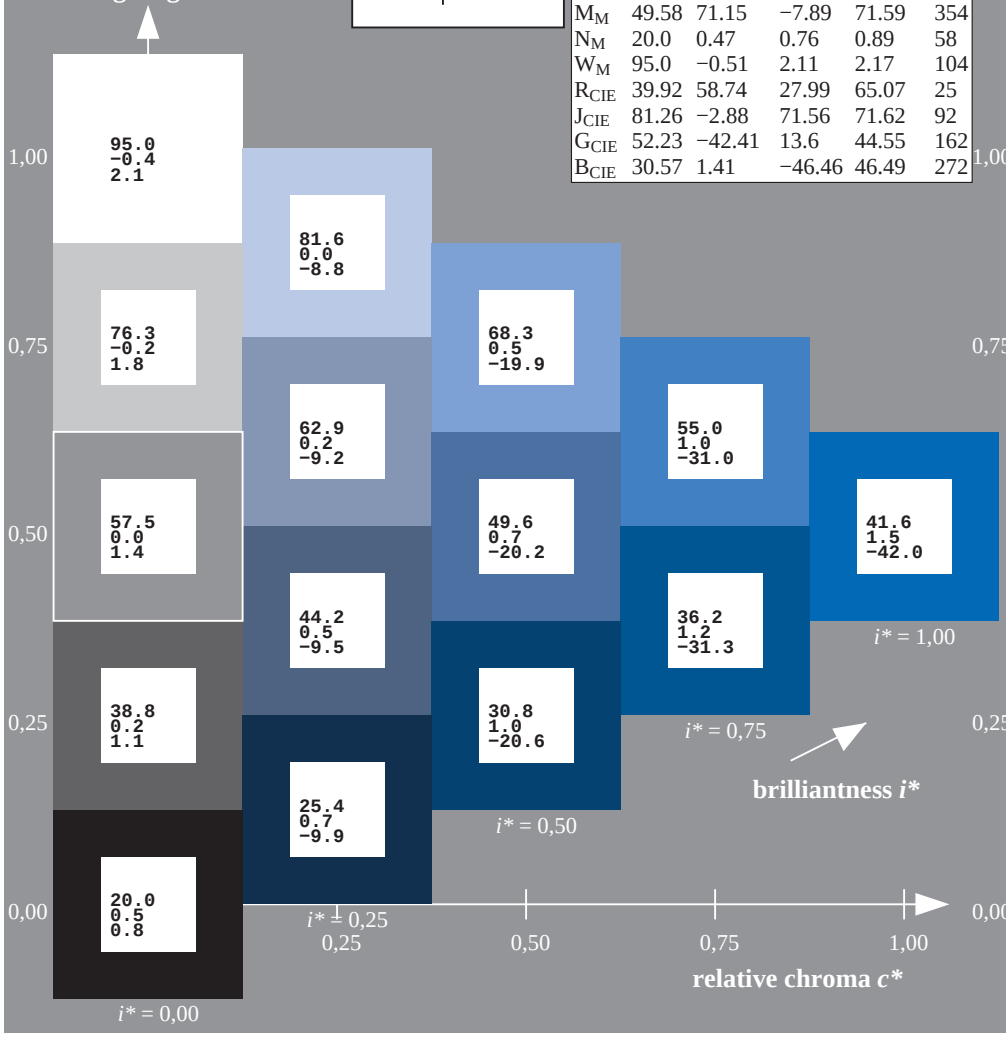
	L*=L*	a*	b*	C*ab	h*ab
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	65.07	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

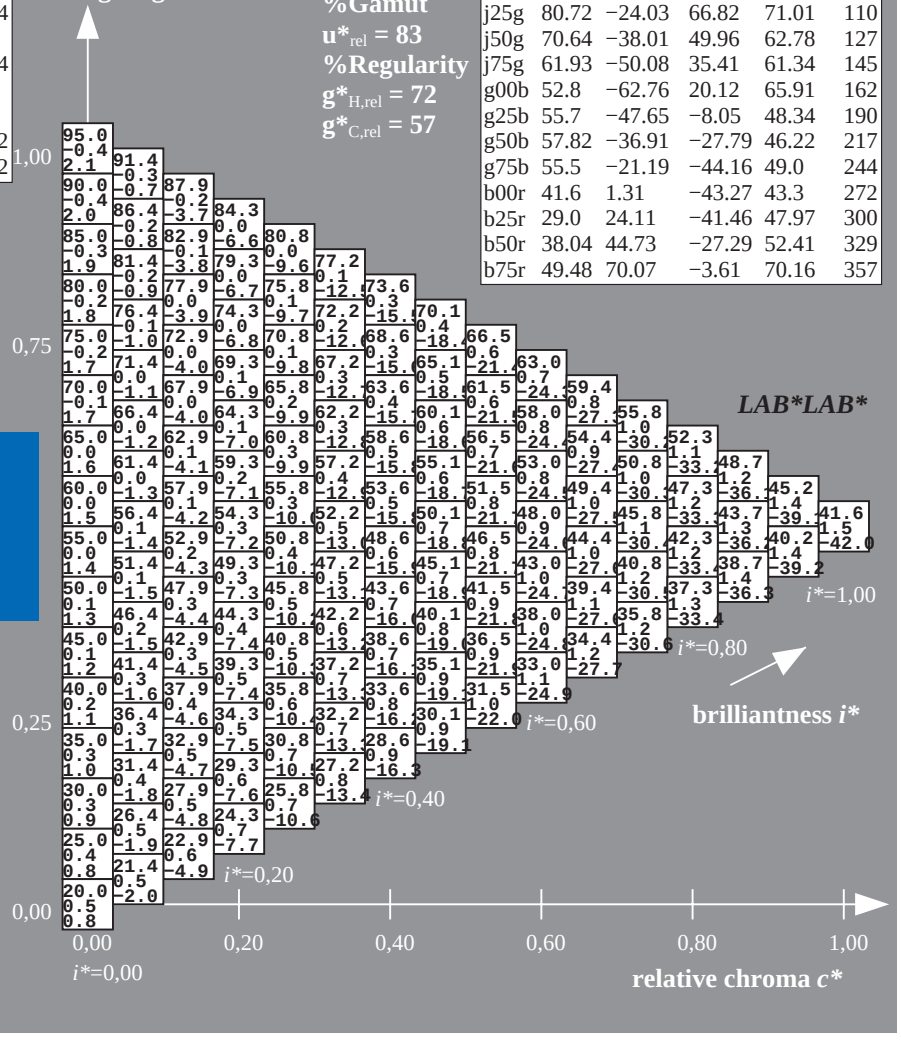
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 1 −42
*LAB*LCH**$_{Ma}$: 42 43 272
*lab*rgb**$_{Ma}$: 0.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.0 0.42 1.0
triangle lightness *t**

%Gamut
$u^*_{rel} = 83$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

ORS20_95a; adapted (a) CIELAB data

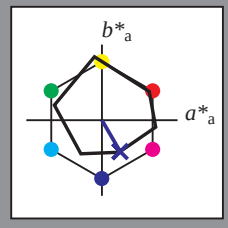
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

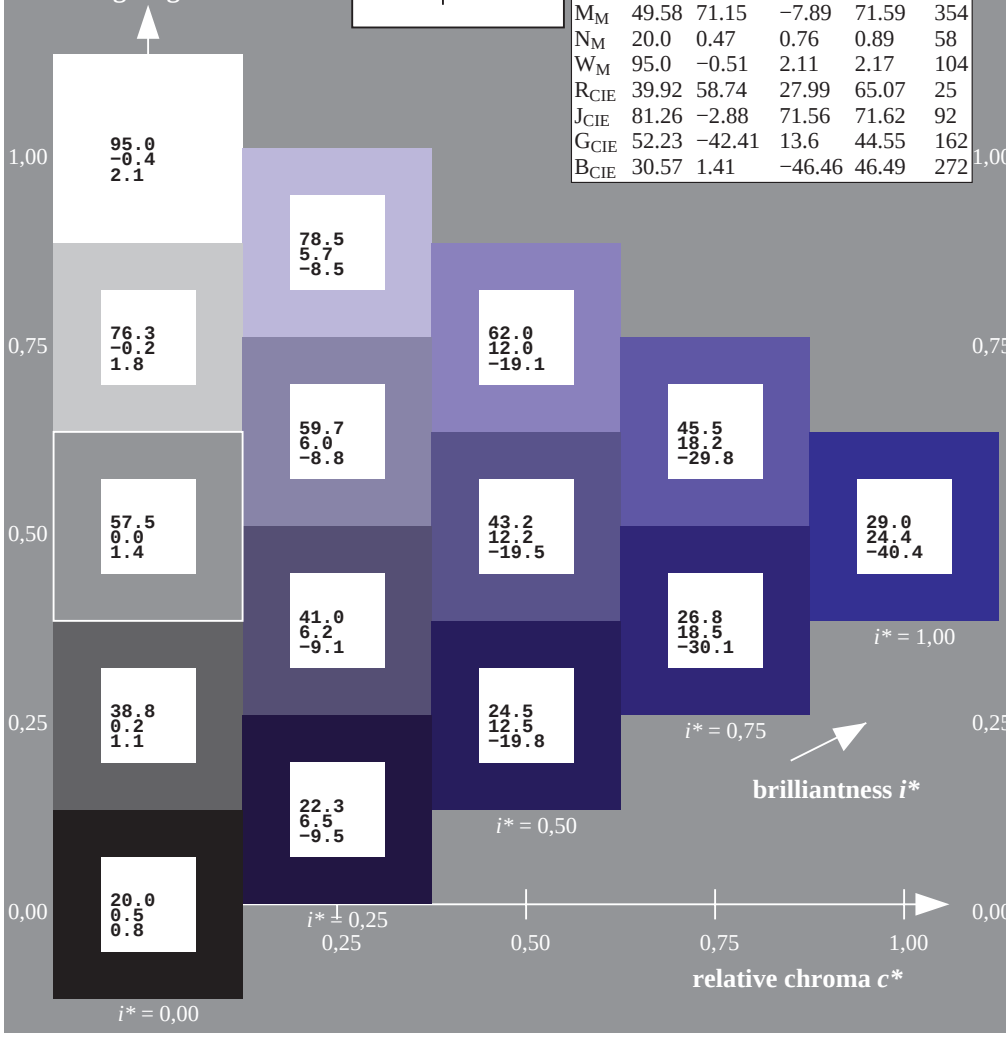
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 29 24 −40**
LAB*LCH*$_{Ma}$**: 29 48 300**
lab*rgb*$_{Ma}$**: 0.5 0.0 1.0**
lab*olv*$_{Ma}$**: 0.03 0.0 1.0**
triangle lightness *t**

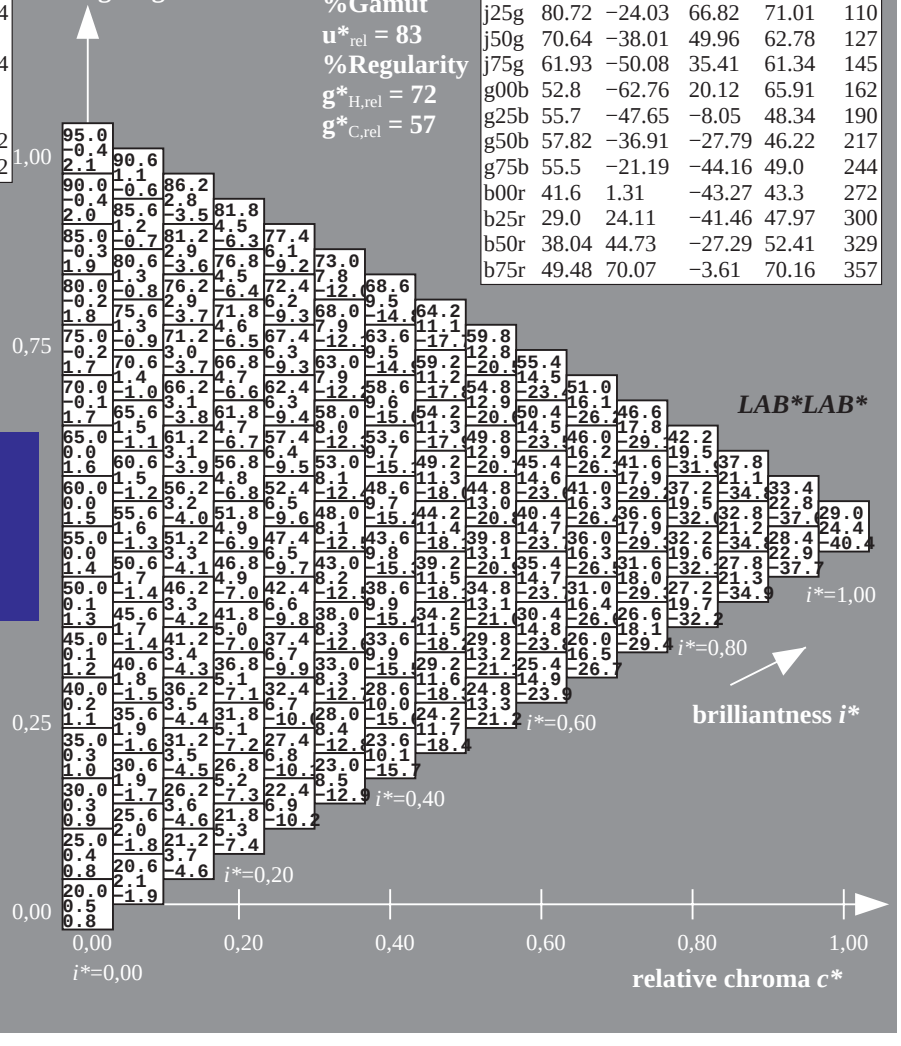
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u* = b25r
LAB*LAB*

ORS20_95a; adapted (a) CIELAB data

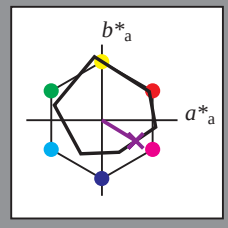
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

	L*=L*	a*	b*	C*ab	h*ab
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

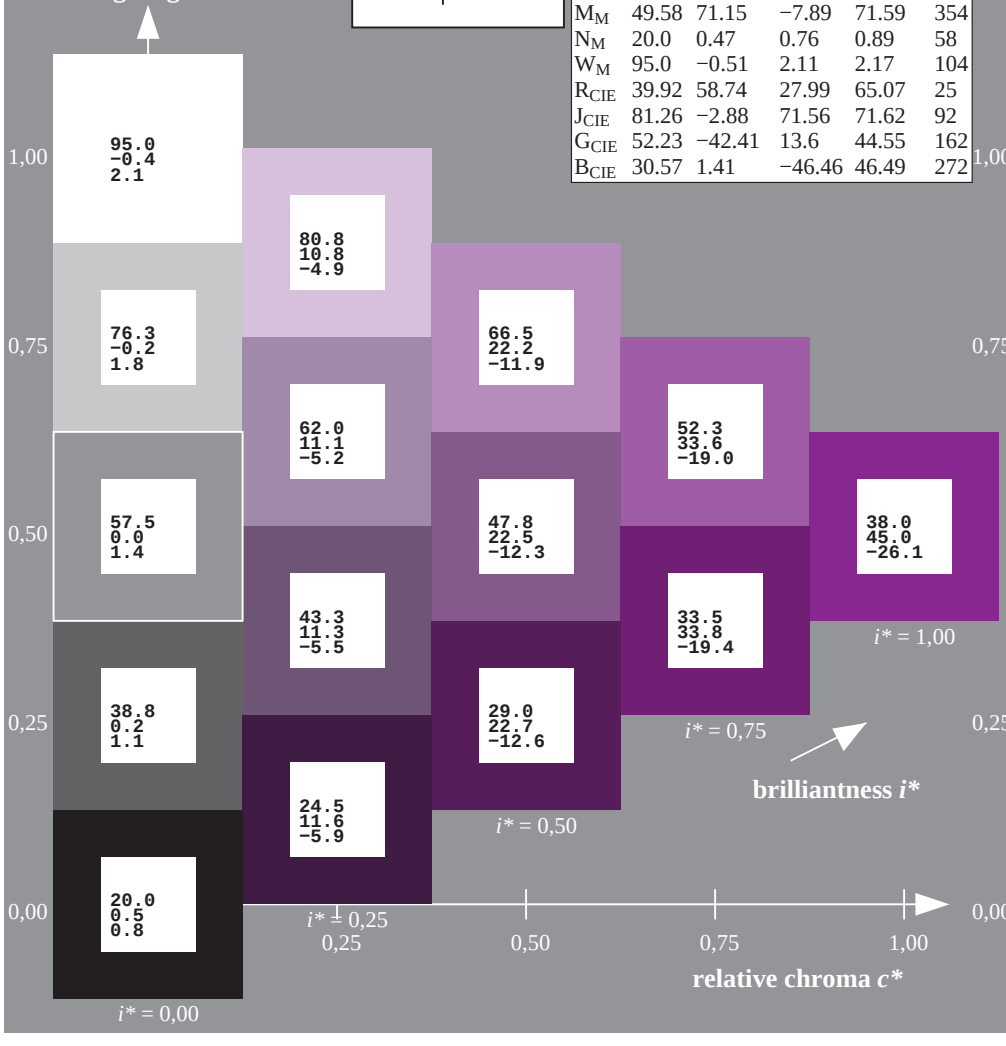
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 38 45 −26**
LAB*LCH*$_{Ma}$**: 38 52 329**
lab*rgb*$_{Ma}$**: 1.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.46 0.0 1.0**
triangle lightness *t**

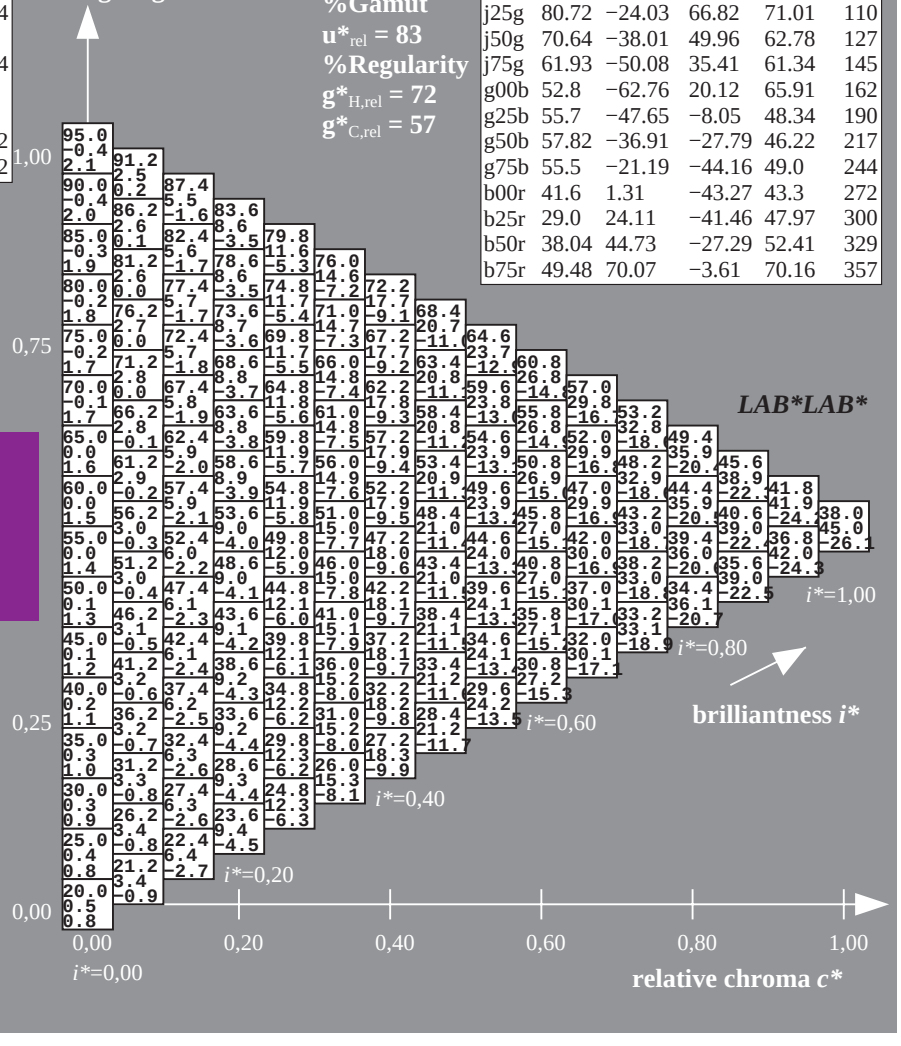
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u* = b50r
LAB*LAB*

ORS20_95a; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

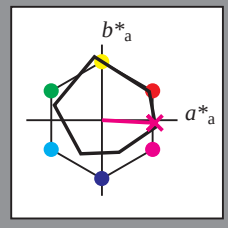




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

u = b75r*
*LAB*LAB**

data for any colour:
*lab*tch** **and** *lab*icu**
elementary hue text:
u = b75r*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

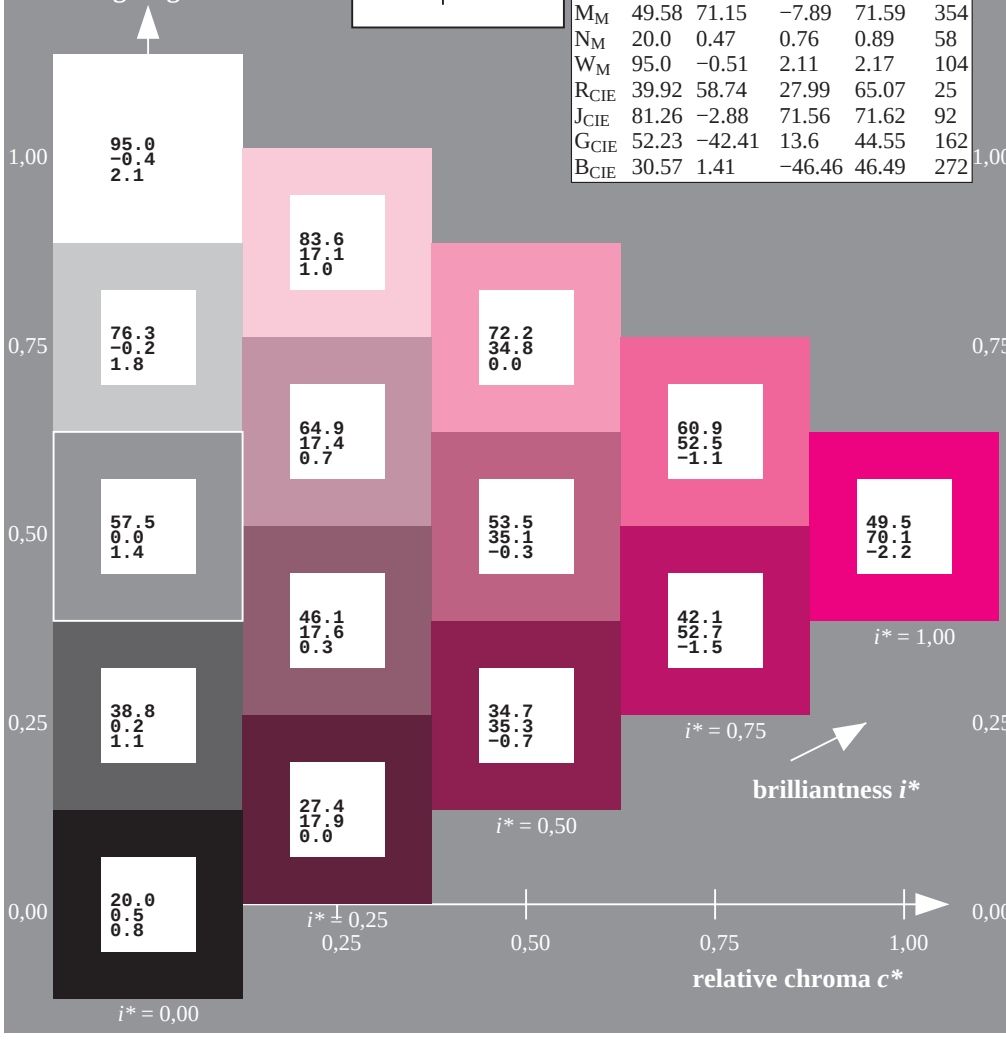
	L*=L*	a*	b*	C*ab	h*ab
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	65.07	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

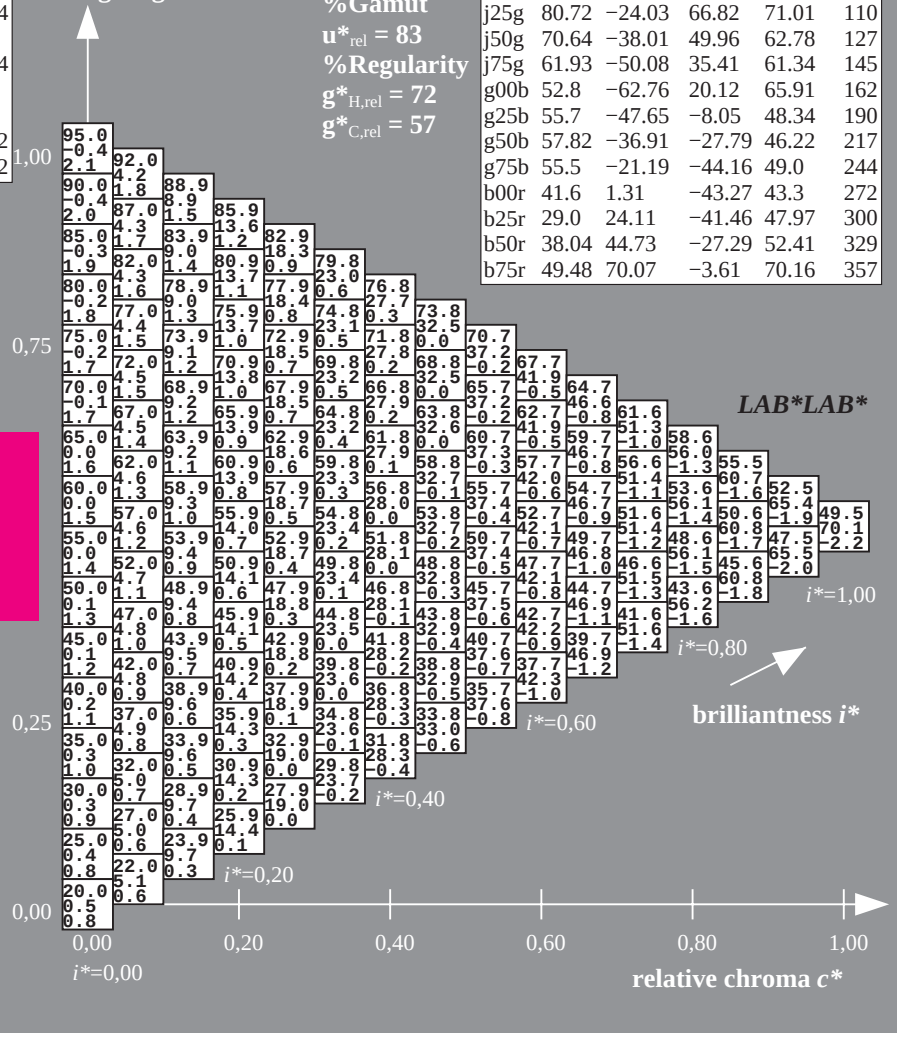
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 49 70 −3
*LAB*LCH**$_{Ma}$: 49 70 357
*lab*rgb**$_{Ma}$: 1.0 0.0 0.5
*lab*olv**$_{Ma}$: 1.0 0.0 0.88
triangle lightness *t**

%Gamut
$u^*_{rel} = 83$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

ORS20_95a; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	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	20.0	24.1	28.2	32.3	36.3	40.4	44.5	48.6	52.7	23.6	28.9	33.0	37.0	41.1	45.2	49.3	53.4	57.5	27.2	32.5	37.7	41.8	45.9	50.0	54.1	58.2	62.2	95.0	89.2	83.4	77.7	71.9	66.1	60.3	54.5	48.8	20.0	20.0	20.0	20.0
	0.5	-7.3	-15.3	-23.2	-31.1	-39.0	-46.9	-54.9	-62.8	8.2	-0.8	-8.7	-16.6	-24.5	-32.5	-40.4	-48.3	-56.2	16.0	6.9	-2.1	-10.1	-18.0	-25.9	-33.8	-41.7	-49.6	-0.4	7.4	15.3	23.2	31.1	39.0	46.8	54.7	62.6	0.5	0.5	0.5	0.5
	0.8	3.3	5.9	8.5	11.0	13.6	16.2	18.7	21.3	5.6	11.4	14.0	16.5	19.1	21.7	24.2	26.8	29.4	10.4	16.2	22.0	24.6	27.2	29.7	32.3	34.9	37.4	2.1	6.7	11.4	16.0	20.6	25.3	29.9	34.5	39.2	0.8	0.8	0.8	0.8
02	21.1	25.0	29.0	33.1	37.2	41.3	45.4	49.5	53.6	23.7	29.4	33.5	37.5	41.6	45.7	49.8	53.9	58.0	27.3	33.0	38.2	42.3	46.4	50.5	54.6	58.7	62.8	90.6	85.6	79.8	74.1	68.3	62.5	56.7	50.9	45.2	29.4	29.4	29.4	29.4
	3.3	-3.0	-10.9	-18.8	-26.7	-34.7	-42.6	-50.5	-58.4	9.3	0.3	-7.5	-15.4	-23.3	-31.2	-39.1	-47.1	-55.0	17.1	8.1	-0.9	-8.8	-16.7	-24.7	-32.6	-40.5	-48.4	-3.8	-0.3	7.5	15.4	23.3	31.2	39.1	47.0	54.9	0.3	0.3	0.3	0.3
	-4.4	-4.6	-2.0	0.4	3.0	5.6	8.1	10.7	13.3	-0.2	0.9	3.5	6.1	8.6	11.2	13.8	16.3	18.9	4.5	5.7	11.6	14.1	16.7	19.3	21.8	24.4	27.0	-3.4	1.9	6.6	11.2	15.8	20.5	25.1	29.7	34.4	0.9	0.9	0.9	0.9
03	22.1	26.0	29.9	34.0	38.1	42.2	46.3	50.3	54.4	24.8	30.4	34.3	38.4	42.5	46.6	50.7	54.8	58.8	27.4	33.1	38.8	42.8	46.9	51.0	55.1	59.2	63.3	86.1	81.2	76.3	70.5	64.7	58.9	53.1	47.3	41.6	38.8	38.8	38.8	38.8
	6.1	-0.2	-6.5	-14.4	-22.4	-30.3	-38.2	-46.1	-54.0	12.1	3.2	-3.1	-11.0	-18.9	-26.9	-34.8	-42.7	-50.6	18.1	9.2	0.2	-7.6	-15.5	-23.4	-31.4	-39.3	-47.2	-7.3	-3.7	-0.2	7.6	15.5	23.4	31.3	39.2	47.1	0.2	0.2	0.2	0.2
	-9.7	-9.9	-10.1	-7.5	-4.9	-2.4	0.1	2.7	5.2	-5.5	-4.3	-4.4	-1.9	0.6	3.2	5.7	8.3	10.9	-1.3	-0.1	1.1	3.7	6.2	8.8	11.4	13.9	16.5	-9.1	-3.6	1.8	6.4	11.0	15.7	20.3	24.9	29.6	1.1	1.1	1.1	1.1
04	23.2	27.1	31.0	34.9	38.9	43.0	47.1	51.2	55.3	25.8	31.5	35.4	39.3	43.4	47.5	51.5	55.6	59.7	28.4	34.1	39.8	43.7	47.8	51.9	56.0	60.0	64.1	81.7	76.8	71.8	66.9	61.1	55.3	49.5	43.8	38.0	48.1	48.1	48.1	48.1
	8.9	2.6	-3.7	-10.1	-18.0	-25.9	-33.8	-41.7	-49.7	14.9	6.0	-0.3	-6.7	-14.6	-22.5	-30.4	-38.3	-46.2	21.0	12.0	3.0	-3.2	-11.1	-19.1	-27.0	-34.9	-42.8	-10.7	-7.1	-3.6	-0.1	7.7	15.6	23.5	31.4	39.3	0.1	0.1	0.1	0.1
	-15.0	-15.2	-15.4	-15.5	-13.0	-10.4	-7.8	-5.3	-2.7	-10.8	-9.5	-9.7	-9.9	-7.3	-4.8	-2.2	0.3	2.8	-6.6	-5.3	-4.1	-4.3	-1.7	0.8	3.3	5.9	8.5	-14.7	-9.2	-3.8	1.6	6.2	10.9	15.5	20.1	24.8	1.3	1.3	1.3	1.3
05	24.2	28.1	32.0	35.9	39.8	43.9	48.0	52.1	56.2	26.8	32.5	36.4	40.3	44.2	48.3	52.4	56.5	60.6	29.5	35.2	40.8	44.8	48.7	52.7	56.8	60.9	65.0	77.3	72.4	67.4	62.5	57.5	51.7	45.9	40.2	34.4	57.5	57.5	57.5	57.5
	11.8	5.4	-0.9	-7.2	-13.6	-21.5	-29.5	-37.4	-45.3	17.8	8.8	2.4	-3.8	-10.2	-18.1	-26.0	-34.0	-41.9	23.8	14.8	5.9	-0.4	-6.8	-14.7	-22.6	-30.5	-38.4	-14.1	-10.6	-7.0	-3.5	0.0	7.9	15.8	23.7	31.5	0.0	0.0	0.0	0.0
	-20.3	-20.5	-20.6	-20.8	-21.0	-18.4	-15.9	-13.3	-10.7	-16.1	-14.8	-15.0	-15.2	-15.4	-12.8	-10.2	-7.7	-5.1	-11.9	-10.6	-9.4	-9.6	-9.7	-7.2	-4.6	-2.0	0.4	-20.3	-14.9	-9.4	-3.9	1.4	6.1	10.7	15.3	20.0	1.4	1.4	1.4	1.4
06	25.3	29.1	33.1	37.0	40.9	44.8	48.8	52.9	57.0	27.9	33.6	37.5	41.4	45.3	49.2	53.3	57.4	61.4	30.5	36.2	41.9	45.8	49.7	53.6	57.7	61.8	65.9	72.9	67.9	63.0	58.0	53.1	48.1	42.3	36.6	30.8	66.9	66.9	66.9	66.9
	14.6	8.2	1.9	-4.4	-10.8	-17.2	-25.1	-33.0	-40.9	20.6	11.6	5.3	-1.0	-7.4	-13.8	-21.7	-29.6	-37.5	26.6	17.7	8.7	2.3	-4.0	-10.3	-18.2	-26.2	-34.1	-17.5	-14.0	-10.4	-6.9	-3.4	0.1	8.0	15.9	23.8	-0.1	-0.1	-0.1	-0.1
	-25.6	-25.7	-25.9	-26.1	-26.3	-26.5	-23.9	-21.3	-18.8	-21.4	-20.1	-20.3	-20.5	-20.7	-20.8	-18.3	-15.7	-13.1	-17.2	-15.9	-14.7	-14.8	-15.0	-15.2	-12.6	-10.1	-7.5	-26.0	-20.5	-15.0	-9.6	-4.1	1.3	5.9	10.5	15.2	1.6	1.6	1.6	1.6
07	26.3	30.2	34.1	38.0	41.9	45.8	49.7	53.8	57.9	28.9	34.6	38.5	42.4	46.3	50.2	54.1	58.2	62.3	31.6	37.3	42.9	46.8	50.8	54.7	58.6	62.6	66.7	68.5	63.5	58.6	53.6	48.7	43.7	38.8	33.0	27.2	76.3	76.3	76.3	76.3
	17.4	11.1	4.7	-1.6	-8.0	-14.3	-20.7	-28.6	-36.5	23.4	14.5	8.1	1.7	-4.6	-10.9	-17.3	-25.2	-33.1	29.4	20.5	11.5	5.1	-1.1	-7.5	-13.9	-21.8	-29.7	-21.0	-17.4	-13.9	-10.3	-6.8	-3.2	0.2	8.1	16.0	-0.2	-0.2	-0.2	-0.2
	-30.8	-31.0	-31.2	-31.4	-31.6	-31.7	-31.9	-29.4	-26.8	-26.6	-25.4	-25.6	-25.8	-25.9	-26.1	-26.3	-23.7	-21.2	-22.4	-21.2	-19.9	-20.1	-20.3	-20.5	-20.7	-18.1	-15.5	-31.6	-26.1	-20.7	-15.2	-9.7	-4.3	1.1	5.7	10.4	1.8	1.8	1.8	1.8
08	27.3	31.2	35.1	39.1	43.0	46.9	50.8	54.7	58.7	30.0	35.7	39.6	43.5	47.4	51.3	55.2	59.1	63.2	32.6	38.3	44.0	47.9	51.8	55.7	59.6	63.5	67.6	64.0	59.1	54.1	49.2	44.2	39.3	34.3	29.4	23.6	85.6	85.6	85.6	85.6
	20.2	13.9	7.5	1.1	-5.1	-11.5	-17.9	-24.3	-32.2	26.3	17.3	10.9	4.5	-1.7	-8.1	-14.5	-20.8	-28.8	32.3	23.3	14.3	8.0	1.6	-4.7	-11.0	-17.4	-25.3	-24.4	-20.8	-17.3	-13.8	-10.2	-6.7	-3.1	0.3	8.2	-0.3	-0.3	-0.3	-0.3
	-36.1	-36.3	-36.5	-36.7	-36.9	-37.0	-37.2	-37.4	-34.8	-31.9	-30.7	-30.9	-31.0	-31.2	-31.4	-31.6	-31.8	-29.2	-27.7	-26.5	-25.2	-25.4	-25.6	-25.8	-25.9	-26.1	-23.6	-37.2	-31.8	-26.3	-20.8	-15.4	-9.9	-4.4	0.9	5.6	1.9	1.9	1.9	1.9
09	28.4	32.3	36.2	40.1	44.0	47.9	51.8	55.7	59.6	31.0	36.7	40.6	44.5	48.4	52.3	56.2	60.1	64.0	33.7	39.4	45.0	48.9	52.8	56.7	60.7	64.6	68.5	59.6	54.7	49.7	44.8	39.8	34.9	29.9	25.0	20.0	95.0	95.0	95.0	95.0
	23.1	16.7	10.3	4.0	-2.3	-8.7	-15.1	-21.4	-27.8	29.1	20.1	13.7	7.4	1.0	-5.3	-11.6	-18.0	-24.4	35.1	26.1	17.2	10.8	4.4	-1.9	-8.2	-14.6	-21.0	-27.8	-24.3	-20.7	-17.2	-13.6	-10.1	-6.5	-3.0	0.5	-0.4	-0.4	-0.4	-0.4
	-41.4	-41.6	-41.8	-41.9	-42.1	-42.3	-42.5	-42.7	-42.9	-37.2	-36.0	-36.1	-36.3	-36.5	-36.7	-36.9	-37.0	-37.2	-33.0	-31.8	-30.5	-30.7	-30.9	-31.0	-31.2	-31.4	-31.6	-42.9	-37.4	-31.9	-26.5	-21.0	-15.5	-10.1	-4.6	0.8	2.1	2.1	2.1	2.1
10	30.8	36.1	41.3	46.6	50.7	54.8	58.9	62.9	67.0	34.4	39.6	44.9	50.2	55.5	59.5	63.6	67.7	71.8	38.0	43.2	48.5	53.8	59.1	64.3	68.4	72.5	76.6	95.0	94.5	94.0	93.5	93.0	92.4	91.9	91.4	90.9	20.0	20.0	20.0	20.0
	23.8	14.7	5.5	-3.5	-11.4	-19.3	-27.2	-35.2	-43.1	31.5	22.4	13.3	4.2	-4.8	-12.8	-20.7	-28.6	-36.5	39.3	30.2	21.1	12.0	2.8	-6.2	-14.1	-22.0	-29.9	-0.4	-1.7	-2.9	-4.1	-5.3	-6.6	-7.8	-9.0	-10.3	0.5	0.5	0.5	0.5
	15.2	21.0	26.8	32.7	35.3	37.8	40.4	43.0	45.5	20.0	25.8	31.6	37.5	43.3	45.9	48.5	51.0	53.6	24.8	30.6	36.4	42.3	48.1	54.0	56.5	59.1	61.7	2.1	12.6	23.1	33.5	44.0	54.5	65.0	75.4	85.9	0.8	0.8	0.8	0.8
11	30.9	36.6	41.8	47.1	51.2	55.3	59.4	63.4	67.5	34.5	40.2	45.4	50.7	56.0	60.1	64.1	68.2	72.3	38.1	43.8	49.0	54.3	59.6	64.8	68.9	73.0	77.1	86.7	85.6	85.1	84.6	84.1	83.6	83.1	82.6	82.1	25.0	25.0	25.0	25.0
	24.8	15.9	6.8	-2.3	-10.2	-18.1	-26.0	-33.9	-41.8	32.6	23.7	14.5	5.4	-3.6	-11.5	-19.5	-27.4	-35.3	40.4	31.4	22.3	13.2	4.1	-5.0	-12.9	-20.8	-28.7	2.4	-0.3	-1.5	-2.8	-4.0	-5.2	-6.5	-7.7	-8.9	0.4	0.4	0.4	0.4
	9.3	10.5	16.4	22.2	24.8	27.4	29.9	32.5	35.0	14.1	15.3	21.2	27.0	32.9	35.4	38.0	40.6	43.1	18.9	20.1	26.0	31.8	37.7	43.5	46.1	48.6	51.2	-3.2	1.9	12.4	22.9	33.4	43.8	54.3	64.8	75.3	0.8	0.8	0.8	0.8
12	31.0	36.7	42.3	47.6	51.7	55.8	59.9	64.0	68.0	34.6	40.3	45.9	51.2	56.5	60.6	64.7	68.7	72.8	38.2	43.9	49.5	54.8	60.1	65.3	69.4	73.5	77.6	78.3	77.3	76.3	75.7	75.2	74.7	74.2	73.7	73.2	30.0	30.0	30.0	30.0
	25.9	17.0	8.0	-1.0	-9.0	-16.9	-24.8	-32.7	-40.6	33.7	24.7	15.8	6.6	-2.4	-10.3	-18.2	-26.1	-34.1	41.4	32.5	23.5	14.4	5.3	-3.7	-11.7	-19.6	-27.5	5.4	2.6	-0.2	-1.4	-2.6	-3.9	-5.1	-6.3	-7.6	0.3	0.3	0.3	0.3
	3.4	4.6	5.9	11.7	14.3	16.9	19.4	22.0	24.6	8.2	9.5	10.7	16.5	22.4	25.0	27.5	30.1	32.7	13.0	14.3	15.5	21.3	27.2	33.0	35.6	38.2	40.7	-8.7	-3.4	1.8	12.2	22.7	33.2	43.7	54.1	64.6	0.9	0.9	0.9	0.9
13	31.1	36.8	42.4	48.1	52.2	56.3	60.4	64.5	68.6	34.7	40.4	46.0	51.7	57.0	61.1	65.2	69.2	73.3	38.3	44.0	49.6	55.3	60.6	65.9	69.9	74.0	78.1	70.0	69.0	67.9	66.9	66.4	65.9	65.3	64.8	64.3	35.0	35.0	35.0	35.0
	27.0	18.0	9.1	0.1	-7.7	-15.6	-23.6	-31.5	-39.4	34.7	25.8	16.8	7.9	-1.2	-9.1	-17.0	-24.9	-32.8	42.5	33.6	24.6	15.6	6.5	-2.5	-10.4	-18.3	-26.3	8.3	5.5	2.7	-0.1	-1.3	-2.5	-3.7	-5.0	-6.2	0.3	0.3	0.3	0.3
	-2.4	-1.1	0.0	1.3	3.8	6.4	9.0	11.5	14.1	2.3	3.6	4.8	6.1	11.9	14.5	17.0	19.6	22.2	7.1	8.4	9.6	10.9	16.7	22.6	25.1	27.7	30.3	-14.1	-8.9	-3.6	1.6	12.1	22.6	33.0	43.5	54.0	1.0	1.0	1.0	1.0
14	32.1	37.8	43.5	49.2	53.1	57.2	61.2	65.3	69.4	34.8	40.5	46.1	51.8	57.5	61.6	65.7	69.8	73.8	38.4	44.1	49.7	55.4	61.1	66.4	70.5	74.5	78.6	61.7	60.6	59.6	58.5	57.5	57.0	56.5	56.0	55.5	40.0	40.0	40.0	40.0
	29.8	20.8	11.9	2.9	-3.4	-11.3	-19.2	-27.1	-35.0	35.8	26.9	17.9	8.9	0.0	-7.8	-15.8	-23.7	-31.6	43.6	34.6	25.7	16.7	7.7	-1.3	-9.2	-17.1	-25.0	11.3	8.4	5.6	2.8	0.0	-1.2	-2.4	-3.6	-4.8	0.2	0.2	0.2	0.2
	-7.7	-6.4	-5.2	-3.9	-4.1	-1.5	0.9	3.5	6.1	-3.5	-2.2	-1.0	0.2	1.4	4.0	6.6	9.1	11.7	1.2	2.5	3.7	5.0	6.2	12.1	14.6	17.2	19.8	-19.6	-14.3	-9.0	-3.7	1.4	11.9	22.4	32.9	43.3	1.1	1.1	1.1	1.1
15	33.2	38.9	44.5	50.2	54.1	58.0	62.1	66.2	70.3	35.8	41.5	47.2	52.9	58.5	62.5	66.5	70.6	74.7	38.5	44.2	49.8	55.5	61.2	66.9	71.0	75.0	79.1	53.4	52.3	51.3	50.2	49.2	48.1	47.6	47.1	46.6	45.0	45.0	45.0	45.0
	32.6	23.7	14.7	5.7	-0.5	-6.9	-14.8	-22.7	-30.6	38.6	29.7	20.7	11.8	2.8	-3.5	-11.4	-19.3	-27.2	44.6	35.7	26.7	17.8	8.8	-0.1	-8.0	-15.9	-23.8	14.2	11.4	8.6	5.7	2.9	0.1	-1.0	-2.3	-3.5	0.1	0.1	0.1	0.1
	-13.0	-11.7	-10.5	-9.2	-9.4	-9.6	-7.0	-4.4	-1.9	-8.8	-7.5	-6.3	-5.0	-3.7	-3.9	-1.4	1.1	3.7	-4.6	-3.3	-2.1	-0.8	0.4	1.6	4.2	6.7	9.3	-25.1	-19.8	-14.5	-9.2	-3.9	1.3	11.7	22.2	32.7	1.2	1.2	1.2	1.2
16	34.2	39.9	45.6	51.3	55.2	59.1	63.0	67.1	71.1	36.9	42.6	48.2	53.9	59.6	63.5	67.4	71.5	75.6	39.5	45.2	50.9	56.6	62.2	67.9	71.8	75.9	80.0	45.0	44.0	42.9	41.9	40.8	39.8	38.8	38.2	37.7	50.0	50.0	50.0	50.0
	35.4	26.5	17.5	8.6	2.2	-4.1	-10.4	-18.4	-26.3	41.5	32.5	23.5	14.6	5.6	-0.7	-7.0	-14.9	-22.9	47.5	38.5	29.6	20.6	11.6	2.7	-3.6	-11.5	-19.4	17.2	14.3	11.5	8.7	5.9	3.0	0.2	-0.9	-2.1	0.1	0.1	0.1	0.1
	-18.2	-17.0	-15.7	-14.5	-14.7	-14.8	-15.0	-12.5	-9.9	-14.0	-12.8	-11.5	-10.3	-9.0	-9.2	-9.4	-6.8	-4.3	-9.8	-8.6	-7.3	-6.1	-4.8	-3.6	-3.8	-1.2	1.3	-30.5	-25.2	-19.9	-14.7	-9.4	-4.1	1.1	11.6	22.0	1.3	1.3	1.3	1.3
17	35.3	41.0	46.6	52.3	56.2	60.1	64.0	67.9	72.0	37.9	43.6	49.3	55.0	60.6	64.5	68.5	72.4	76.4	40.6	46.3	51.9	57.6	63.3	69.0	72.9	76.8	80.9	36.7	35.7	34.6	33.6	32.5	31.5	30.4	29.4	28.9	55.0	55.0	55.0	55.0
	38.3	29.3	20.4	11.4	5.0	-1.2	-7.6	-14.0	-21.9	44.3	35.3	26.4	17.4	8.4	2.1	-4.2	-10.6	-18.5	50.3	41.3	32.4	23.4	14.5	5.5	-0.8	-7.1	-15.1	20.1	17.3	14.5	11.6	8.8	6.0	3.2	0.3	-0.8	0.0	0.0	0.0	0.0
	-23.5	-22.3	-21.0	-19.8	-20.0	-20.1	-20.3	-20.5	-17.9	-19.3	-18.1	-16.8	-15.6	-14.3	-14.5	-14.7	-14.9	-12.3	-15.1	-13.9	-12.6	-11.4	-10.1	-8.9	-9.0	-9.2	-6.7	-36.0	-30.7	-25.4	-20.1	-14.8	-9.5	-4.3	0.9	11.4	1.4	1.4	1.4	1.4
18	36.3	42.0	47.7	53.4	57.3	61.2	65.1	69.0	72.9	39.0	44.7	50.3	56.0	61.7	65.6	69.5	73.4	77.3	41.6	47.3	53.0	58.7	64.3	70.0	73.9	77.8	81.7	28.4	27.3	26.3	25.3	24.2	23.2	22.1	21.1	20.0	60.0	60.0	60.0	60.0
	41.1	32.1	23.2	14.2	7.8	1.5	-4.8	-11.2	-17.5	47.1	38.2	29.2	20.2	11.3	4.9	-1.4	-7.7	-14.1	53.1	44.2	35.2	26.2	17.3	8.3	1.9	-4.3	-10.7	23.1	20.2	17.4	14.6	11.8	8.9	6.1	3.3	0.5	0.0	0.0	0.0	0.0
	-28.8	-27.6	-26.3	-25.1	-25.2	-25.4	-25.6	-25.8	-26.0	-24.6	-23.4	-22.1	-20.8	-19.6	-19.8	-20.0	-20.1	-20.3	-20.4	-19.2	-17.9	-16.6	-15.4	-14.1	-14.3	-14.5	-14.7	-41.4	-36.1	-30.8	-25.6	-20.3	-15.0	-9.7	-4.4	0.8	1.5	1.5	1.5	1.5
19	41.6	46.8	52.1	57.4	62.6	67.9	73.2	77.3	81.4	45.2	50.4	55.7	61.0	66.2	71.5	76.8	82.1	86.1	48.8	54.0	59.3	64.6	69.8	75.1	80.4	85.6	90.9	95.0	89.7	84.4	79.1	73.8	68.6	63.3	58.0	52.7	65.0	65.0	65.0	65.0
	47.1	38.0	28.8	19.7	10.6	1.5	-7.6	-15.5	-23.4	54.9	45.7	36.6	27.5	18.4	9.2	0.1	-8.9	-16.8	62.6	53.5	44.4	35.3	26.1	17.0	7.9	-1.1	-10.3	-0.4	-8.2	-16.0	-23.8	-31.6	-39.4	-47.2	-55.0	-62.8	0.0	0.0	0.0	0.0
	29.6	35.4	41.3	47.1	52.9	58.8	64.6	67.2	69.7	34.4	40.2	46.1	51.9	57.7	63.6	69.4	75.3	77.8	39.2	45.0	50.9	56.7	62.5	68.4	74.2	80.1	85.9	2.1	4.5	6.9	9.3	11.7	14.1	16.5	18.9	21.3	1.6	1.6	1.6	1.6
20	41.7	47.3	52.6	57.9	63.2	68.4	73.7	77.8	81.9	45.3	50.9	56.2	61.5	66.8	72.0	77.3	82.6	86.6	48.9	54.5	59.8	65.1	70.3	75.6	80.9	86.2	91.4	89.3	85.6	80.3	75.0	69.8	64.5	59.2	53.9	48.6	70.0	70.0	70.0	70.0
	48.2	39.2	30.1	21.0	11.8	2.7	-6.3	-14.2	-22.2	55.9	47.0	37.9	28.7	19.6	10.5	1.3	-7.7	-15.6	63.7	54.7	45.6	36.5	27.4	18.2	9.1	0.0	-9.0	8.4	-0.3	-8.1	-15.9	-23.7	-31.5	-39.3	-47.1	-54.9	-0.1	-0.1	-0.1	-0.1
	23.7	24.9	30.8	36.6	42.5	48.3	54.1	56.7	59.3	28.5	29.7	35.6	41.4	47.3	53.1	59.0	64.8	67.4	33.3	34.5	40.4	46.2	52.1	57.9	63.8	69.6	75.4	0.9	1.9	4.3	6.7	9.1	11.5	13.9	16.3	18.7	1.7	1.7	1.7	1.7
21	41.8	47.4	53.1	58.4	63.7	68.9	74.2	78.3	82.4	45.4	51.0	56.7	62.0	67.3	72.5	77.8	83.1	87.2	49.0	54.6	60.3	65.6	70.9	76.1	81.4	86.7	91.9	83.6	79.9	76.3	71.0	65.7	60.4	55.1	49.8	44.5	75.0	75.0	75.0	75.0
	49.2	40.3	31.3	22.2	13.1	3.9	-5.1	-13.0	-20.9	57.0	48.0	39.1	30.0	20.8	11.7	2.6	-6.5	-14.4	64.8	55.8	46.8	37.7	28.6	19.5	10.3	1.2	-7.8	17.4	8.6	-0.2	-8.0	-15.8	-23.6	-31.4	-39.1	-46.9	-0.2	-0.2	-0.2	-0.2
	17.8	19.1	20.3	26.2	32.0	37.8	43.7	46.2	48.8	22.6	23.9	25.1	31.0	36.8	42.6	48.5	54.3	56.9	27.4	28.7	29.9	35.8	41.6	47.4	53.3	59.1	65.0	-0.3	0.7	1.8	4.2	6.6	9.0	11.4	13.8	16.2	1.7	1.7	1.7	1.7
22	41.9	47.6	53.2	58.9	64.2	69.4	74.7	78.8	82.9	45.5	51.1	56.8	62.5	67.8	73.0	78.3	83.6	87.7	49.1	54.7	60.4	66.1	71.4	76.6	81.9	87.2	92.4	78.0	74.3	70.6	66.9	61.6	56.3	51.0	45.7	40.4	80.0	80.0	80.0	80.0
	50.3	41.3	32.4	23.4	14.3	5.2	-3.9	-11.8	-19.7	58.1	49.1	40.1	31.2	22.1	12.9	3.8	-5.2	-13.1	65.8	56.9	47.9	39.0	29.8	20.7	11.6	2.4	-6.6	26.3	17.5	8.7	-0.1	-7.8	-15.6	-23.4	-31.2	-39.0	-0.2	-0.2	-0.2	-0.2
	11.9	13.2	14.4	15.7	21.5	27.4	33.2	35.8	38.3	16.7	18.0	19.2	20.5	26.3	32.2	38.0	43.8	46.4	21.5	22.8	24.0	25.3	31.1	37.0	42.8	48.6	54.5	-1.5	-0.5	0.5	1.6	4.0	6.4	8.8	11.2	13.6	1.8	1.8	1.8	1.8
23	42.0	47.7	53.3	59.0	64.7	70.0	75.2	79.3	83.4	45.6	51.2	56.9	62.6	68.3	73.6	78.8	84.1	88.2	49.2	54.8	60.5	66.2	71.9	77.1	82.4	87.7	93.0	72.3	68.6	64.9	61.2	57.5	52.2	46.9	41.6	36.3	85.0	85.0	85.0	85.0
	51.3	42.4	33.4	24.5	15.5	6.4	-2.6	-10.6	-18.5	59.1	50.2	41.2	32.2	23.3	14.2	5.0	-4.0	-11.9	66.9	57.9	49.0	40.0	31.1	21.9	12.8	3.7	-5.3	35.3	26.5	17.6	8.8	0.0	-7.7	-15.5	-23.3	-31.1	-0.3	-0.3	-0.3	-0.3
	6.0	7.3	8.5	9.8	11.0	16.9	22.7	25.3	27.9	10.8	12.1	13.3	14.6	15.8	21.7	27.5	33.4	35.9	15.6	16.9	18.1	19.4	20.6	26.5	32.3	38.2	44.0	-2.8	-1.7	-0.6	0.4	1.4	3.8	6.2	8.6	11.0	1.9	1.9	1.9	1.9
24	42.1	47.8	53.4	59.1	64.8	70.5	75.7	79.8	83.9	45.7	51.4	57.0	62.7	68.4	74.1	79.3	84.6	88.7	49.3	54.9	60.6	66.3	72.0	77.7	82.9	88.2	93.5	66.6	62.9	59.2	55.5	51.8	48.1	42.8	37.5	32.3	90.0	90.0	90.0	90.0
	52.4	43.5	34.5	25.5	16.6	7.6	-1.4	-9.3	-17.2	60.2	51.2	42.3	33.3	24.4	15.4	6.3	-2.8	-10.7	68.0	59.0	50.0	41.1	32.1	23.2	14.0	4.9	-4.1	44.3	35.4	26.6	17.8	8.9	0.1	-7.6	-15.4	-23.2	-0.4	-0.4	-0.4	-0.4
	0.2	1.4	2.7	3.9	5.2	6.4	12.2	14.8	17.4	5.0	6.2	7.5	8.7	10.0	11.2	17.1	22.9	25.5	9.8	11.0	12.3	13.5	14.8	16.0	21.9	27.7	33.5	-4.0	-3.0	-1.9	-0.8	0.2	1.3	3.7	6.1	8.5	2.0	2.0	2.0	2.0
25	42.2	47.9	53.5	59.2	64.9	70.6	76.3	80.3	84.4	45.8	51.5	57.1	62.8	68.5	74.2	79.8	85.1	89.2	49.4	55.0	60.7	66.4	72.1	77.8	83.4	88.7	94.0	60.9	57.2	53.5	49.8	46.1	42.4	38.8	33.5	28.2	95.0	95.0	95.0	95.0
	53.5	44.5	35.6	26.6	17.6	8.7	-0.2	-8.1	-16.0	61.2	52.3	43.3	34.4	25.4	16.5	7.5	-1.5	-9.4	69.0	60.1	51.1	42.1	33.2	24.2	15.3	6.1	-2.9	53.2	44.4	35.6	26.7	17.9	9.1	0.2	-7.5	-15.3	-0.4	-0.4	-0.4	-0.4
	-5.6	-4.4	-3.1	-1.9	-0.6	0.5	1.8	4.3	6.9	-0.8	0.3	1.6	2.8	4.1	5.3	6.6	12.4	15.0	3.9	5.1	6.4	7.6	8.9	10.1	11.4	17.2	23.1	-5.3	-4.2	-3.1	-2.1	-1.0	0.0	1.1	3.5	5.9	2.1	2.1	2.1	2.1
26	43.2	48.9	54.6	60.3	65.9	71.6	77.3	81.2	85.3	45.9	51.6	57.2	62.9	68.6	74.3	79.9	85.6	89.7	49.5	55.2	60.8	66.5	72.2	77.9	83.5	89.2	94.5	55.3	51.6	47.9	44.2	40.5	36.8	33.1	29.4	24.1	20.0	48.8	90.9	52.7
	56.3	47.3	38.4	29.4	20.5	11.5	2.6	-3.7	-11.6	62.3	53.4	44.4	35.4	26.5	17.5	8.6	-0.3	-8.2	70.1	61.1	52.2	43.2	34.2	25.3	16.3	7.4	-1.7	62.2	53.4	44.5	35.7	26.9	18.0	9.2	0.3	-7.3	0.5	62.6	-10.3	-62.8
	-10.9	-9.7	-8.4	-7.2	-5.9	-4.7	-3.4	-3.6	-1.0	-6.7	-5.5	-4.2	-3.0	-1.7	-0.5	0.7	1.9	4.5	-1.9	-0.7	0.5	1.7	3.0	4.2	5.5	6.7	12.6	-6.6	-5.5	-4.4	-3.3	-2.2	-1.1	-0.1	0.9	3.3	0.8	39.2	85.9	21.3
27	44.3	50.0	55.6	61.3	67.0	72.7	78.3	82.2	86.1	46.9	52.6	58.3	64.0	69.6	75.3	81.0	86.7	90.6	49.6	55.3	60.9	66.6	72.3	78.0	83.6	89.3	95.0	49.6	45.9	42.2	38.5	34.8	31.1	27.4	23.7	20.0	95.0	59.6	28.4	49.6
	59.1	50.2	41.2	32.3	23.3	14.3	5.4	-0.9	-7.3	65.1	56.2	47.2	38.3	29.3	20.3	11.4	2.4	-3.8	71.1	62.2	53.2	44.3	35.3	26.3	17.4	8.4	-0.4	71.1	62.3	53.5	44.6	35.8	27.0	18.1	9.3	0.5	-0.4	-27.8	23.1	71.1
	-16.2	-14.9	-13.7	-12.4	-11.2	-9.9	-8.7	-8.9	-9.1	-12.0	-10.7	-9.5	-8.2	-7.0	-5.7	-4.5	-3.2	-3.4	-7.8	-6.6	-5.3	-4.0	-2.8	-1.5	-0.3	0.9	2.1	-7.8	-6.7	-5.6	-4.6	-3.5	-2.4	-1.3	-0.2	0.8	2.1	-42.9	-41.4	-7.8

See for similar files: http://www.ps.bam.de/De99/; www.ps.bam.de/De.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

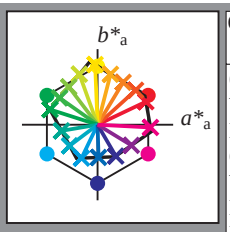
BAM registration: 20080701-De99/10L/L99E00NA.PS/ .TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

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

Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
lab*tch* **and** ***lab*icu****
elementary hue text:
u* **= 16 hues** ***r00j, r25j, ..., b75r***
contrast reduction factor:
c_R **= 0.96**

ORS20_95a; adapted (a) CIELAB data

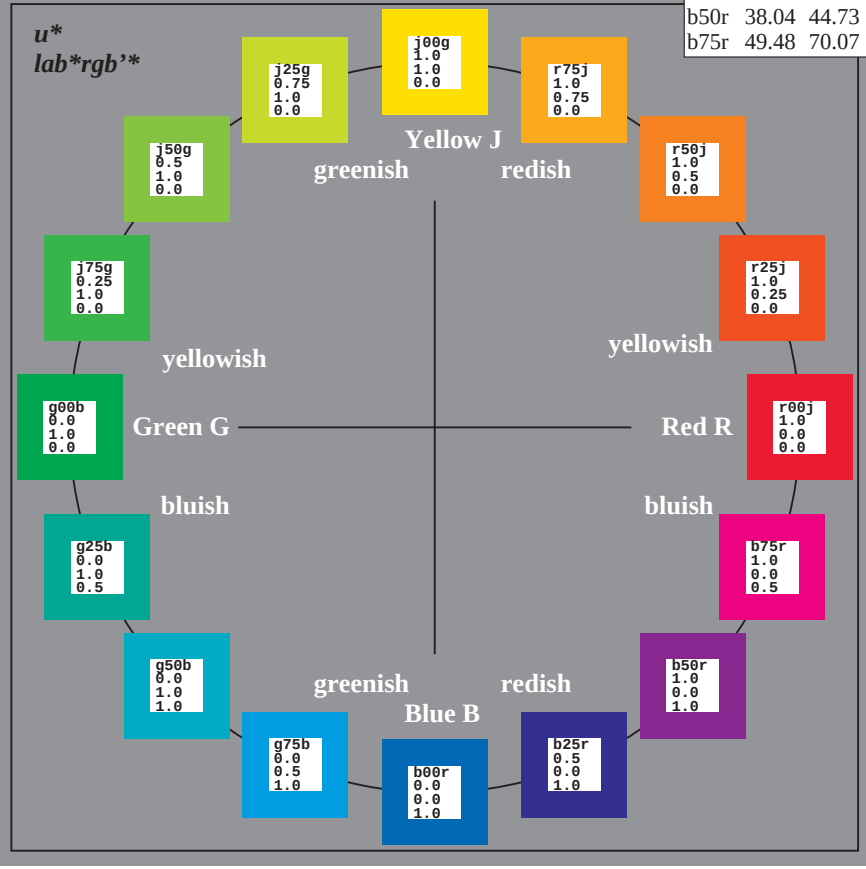
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

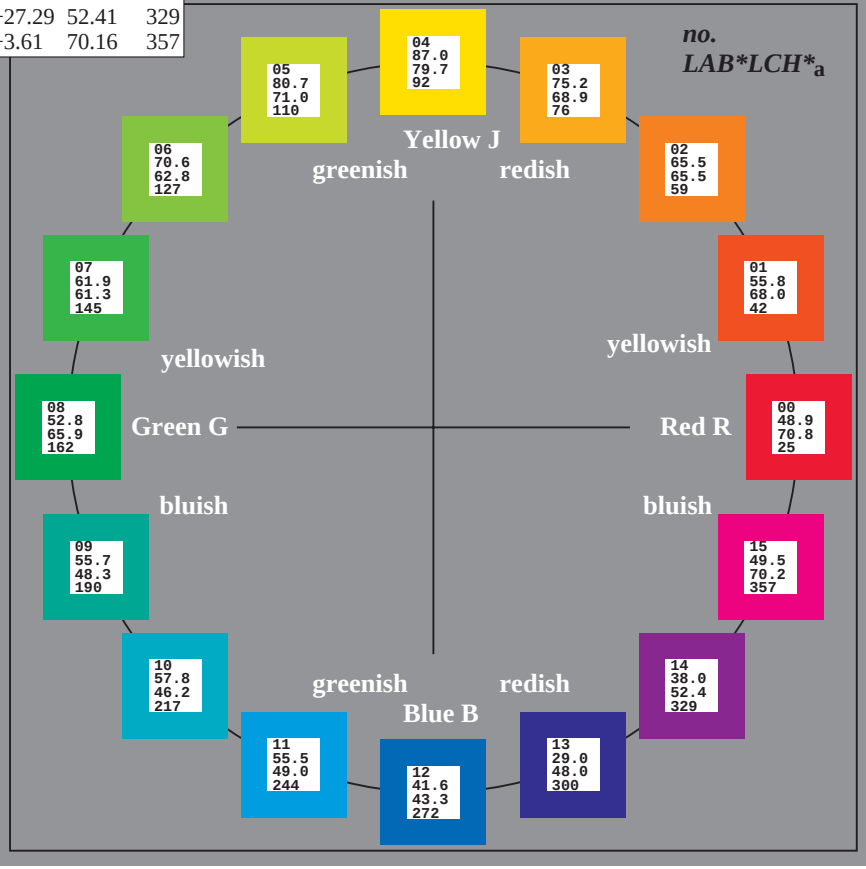


%Gamut
u*rel = 83
%Regularity
g*H,rel = 72
g*C,rel = 57

ORS20_95a; CIELAB data

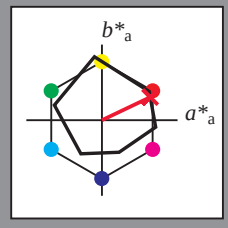
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	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 ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

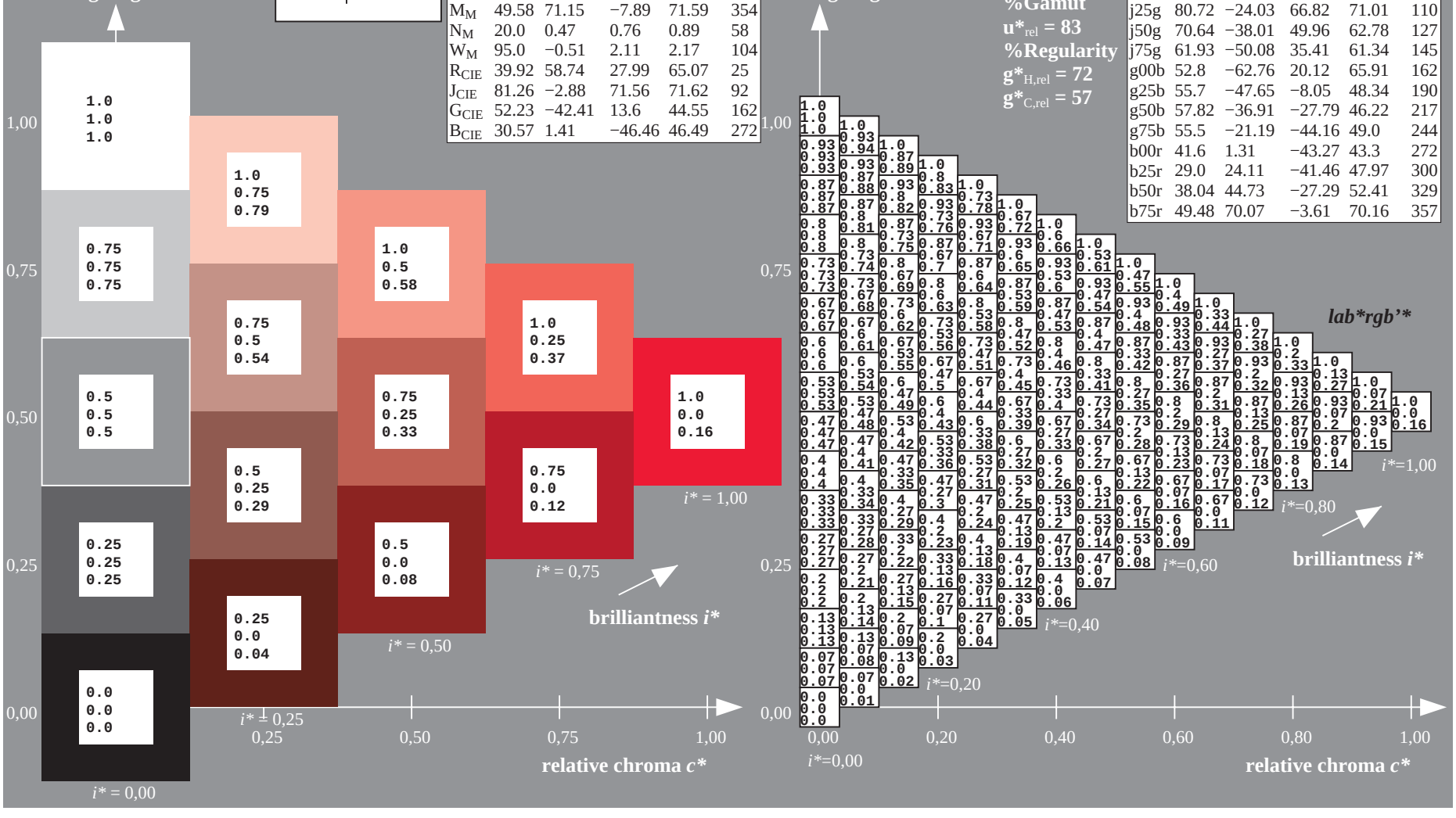
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 49 64 30**
LAB*LCH*$_{Ma}$**: 49 71 25**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.16**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u* = r00j
lab*rgb'*

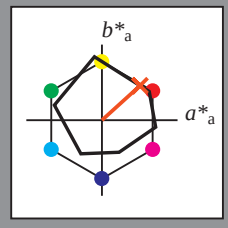
ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

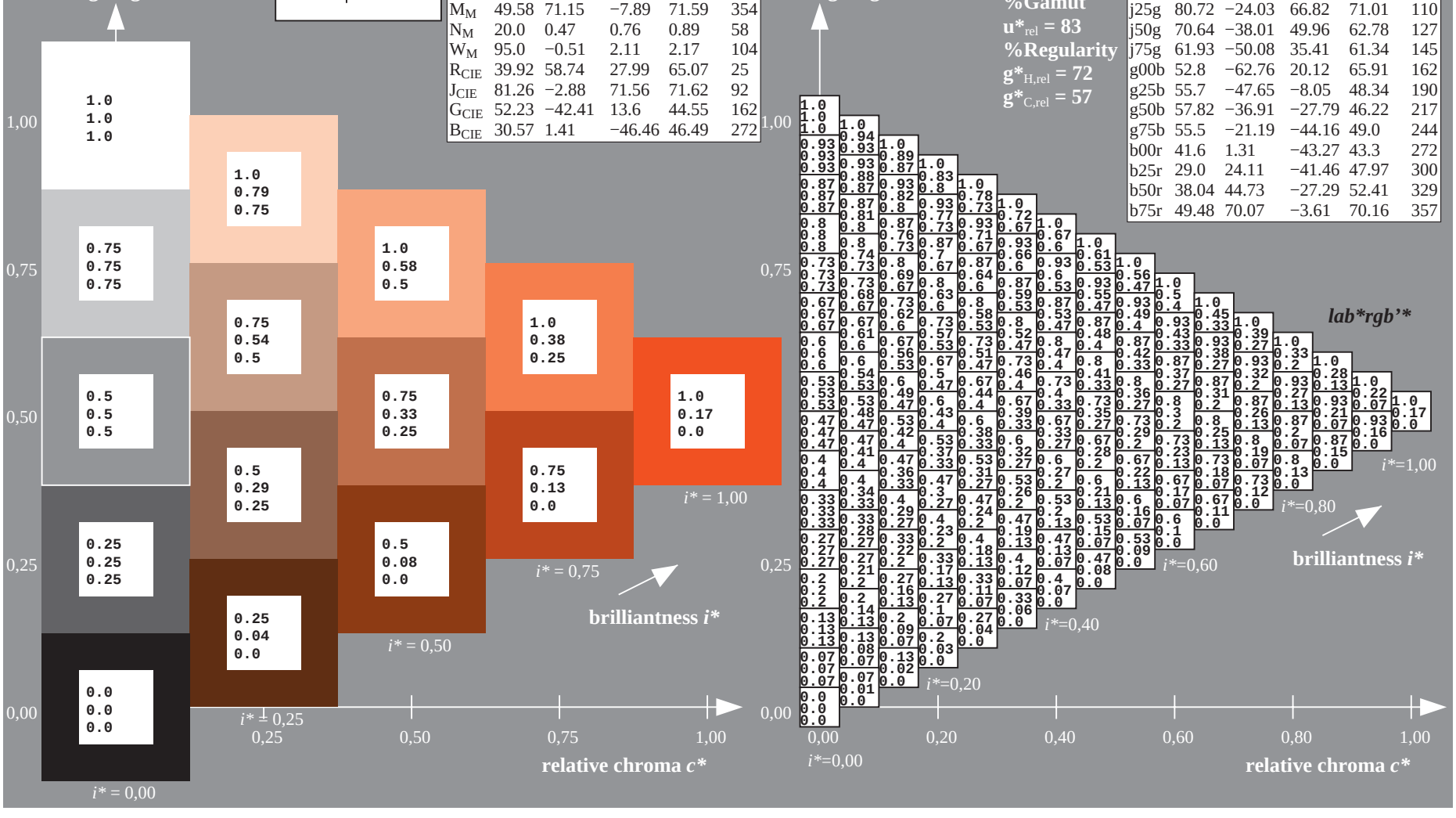
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 56 50 46**
***LAB*LCH**Ma*: 56 68 42**
***lab*rgb**Ma*: 1.0 0.25 0.0**
***lab*olv**Ma*: 1.0 0.17 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = r25j
lab*rgb'*

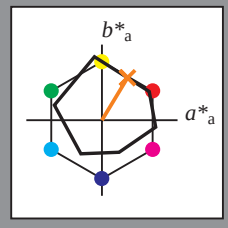
ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

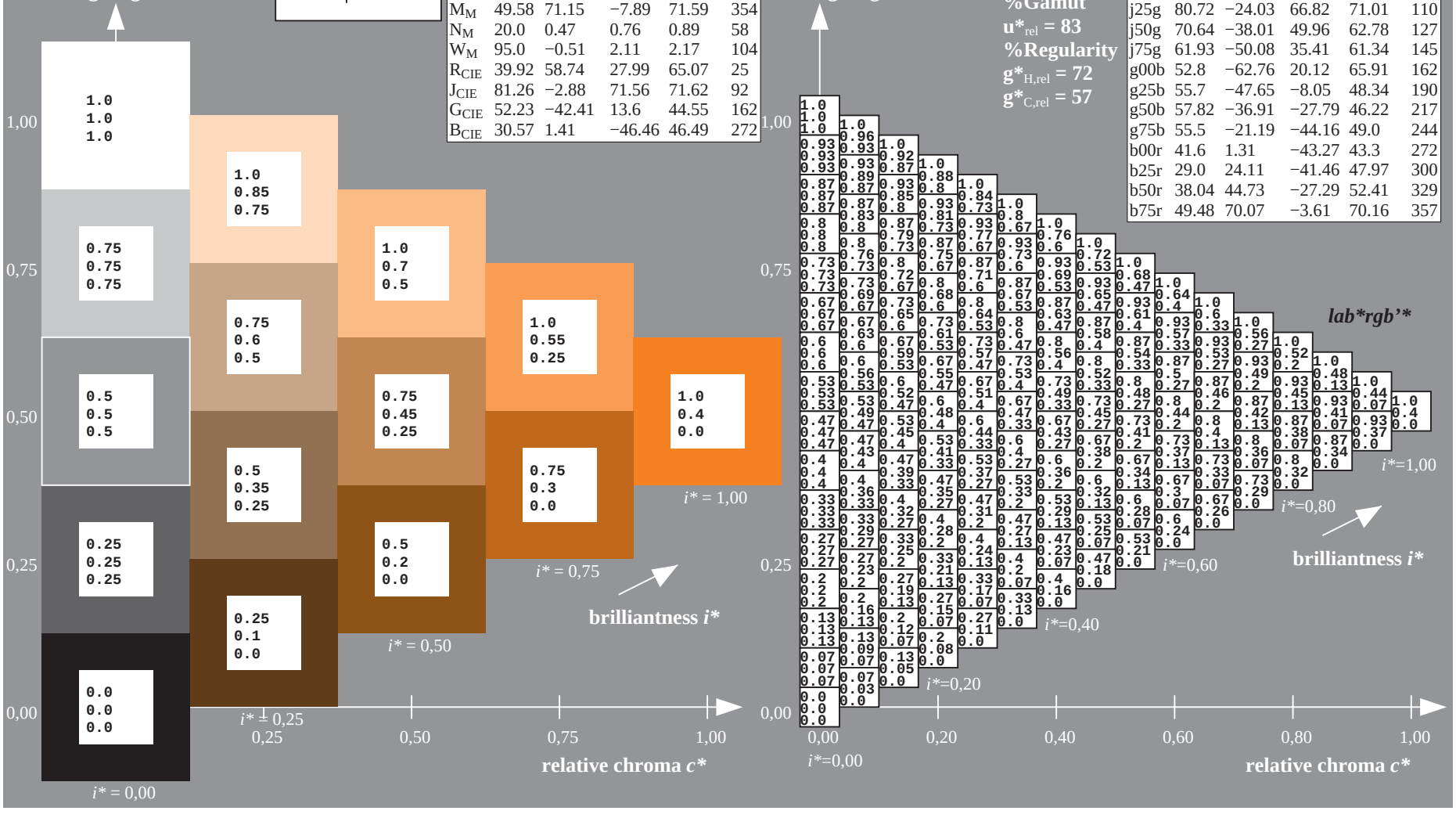
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 65 34 56**
***LAB*LCH**Ma*: 65 66 59**
***lab*rgb**Ma*: 1.0 0.5 0.0**
***lab*olv**Ma*: 1.0 0.4 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = r50j
lab*rgb'*

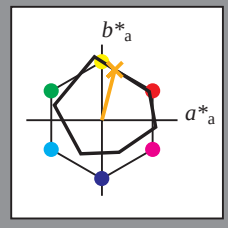
ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

	L=L**	*a**	*b**	C^*_{ab}	h^*_{ab}
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

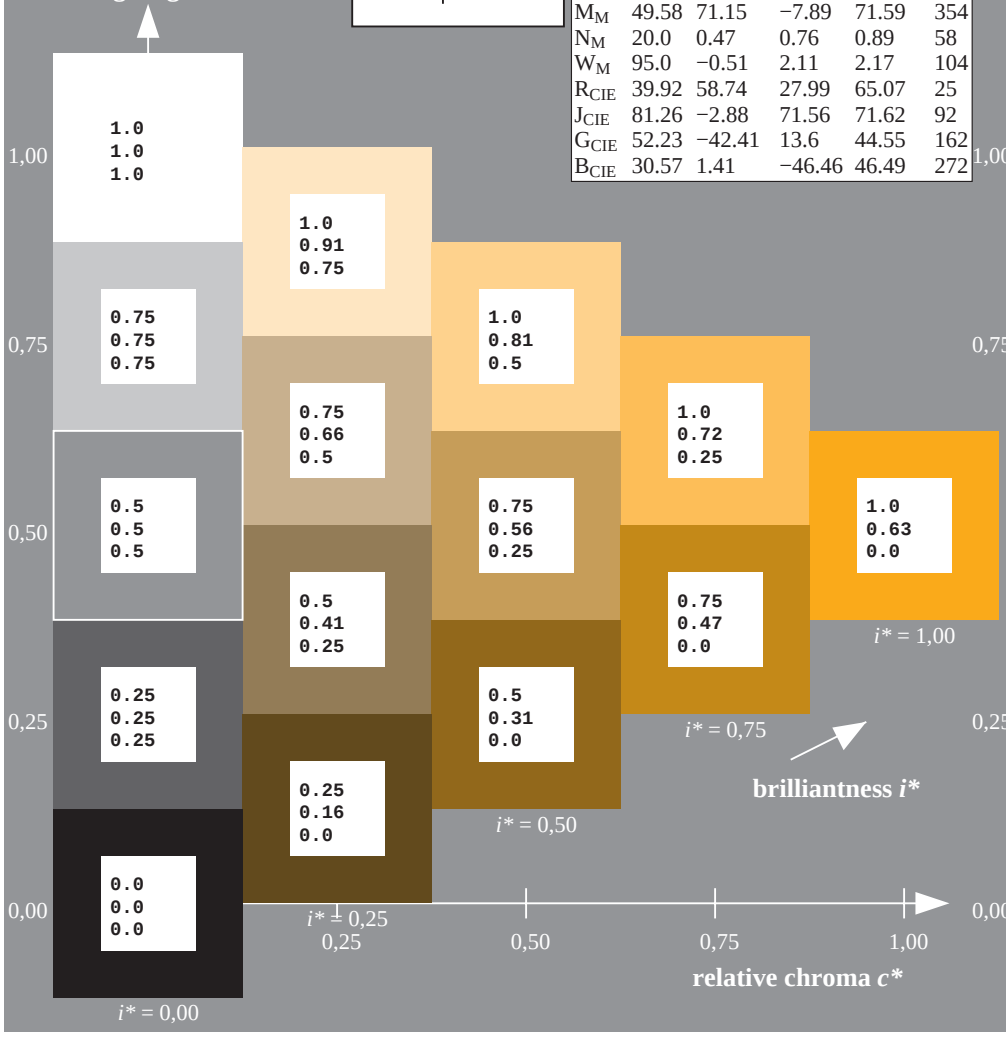
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 75 17 67**
LAB*LCH*$_{Ma}$**: 75 69 76**
lab*rgb*$_{Ma}$**: 1.0 0.75 0.0**
lab*olv*$_{Ma}$**: 1.0 0.63 0.0**
triangle lightness *t**

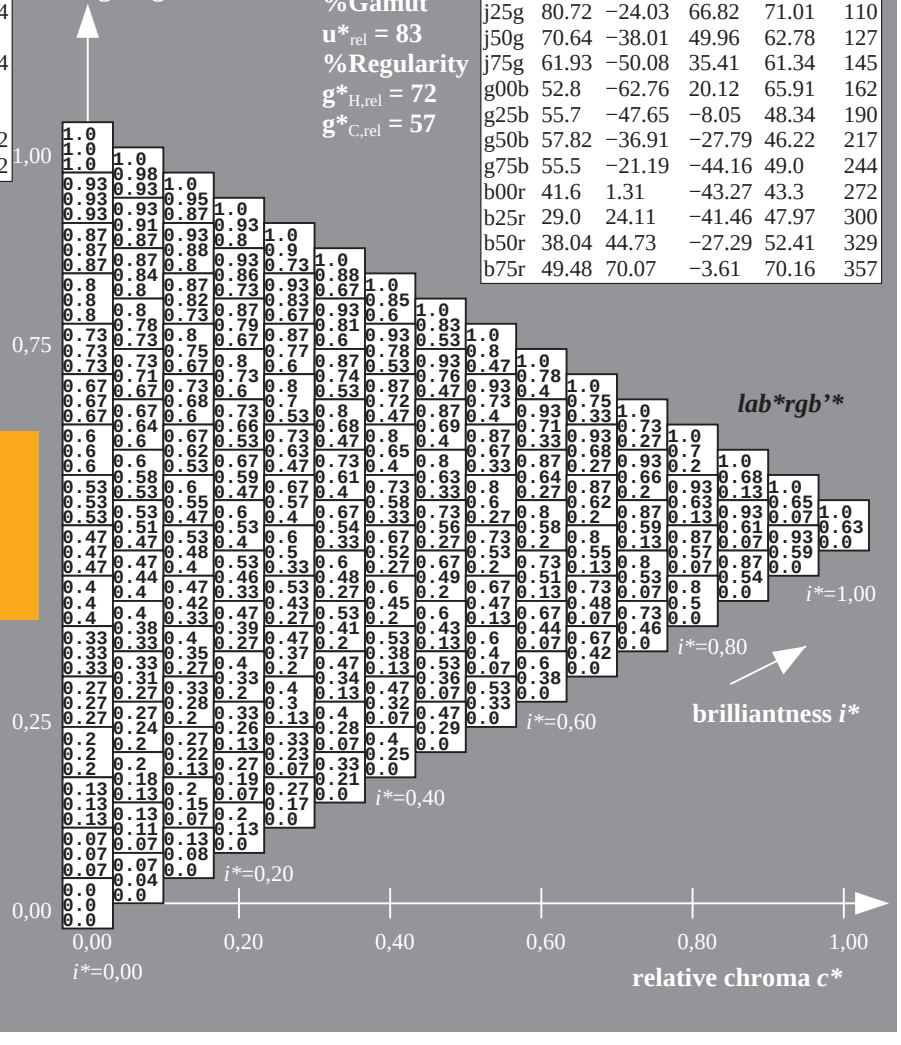
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u* = r75j
lab*rgb'*

ORS20_95a; adapted (a) CIELAB data

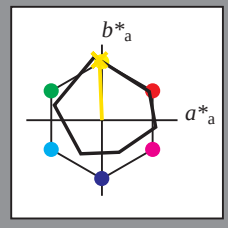
	L=L**$_a$	*a**$_a$	*b**$_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

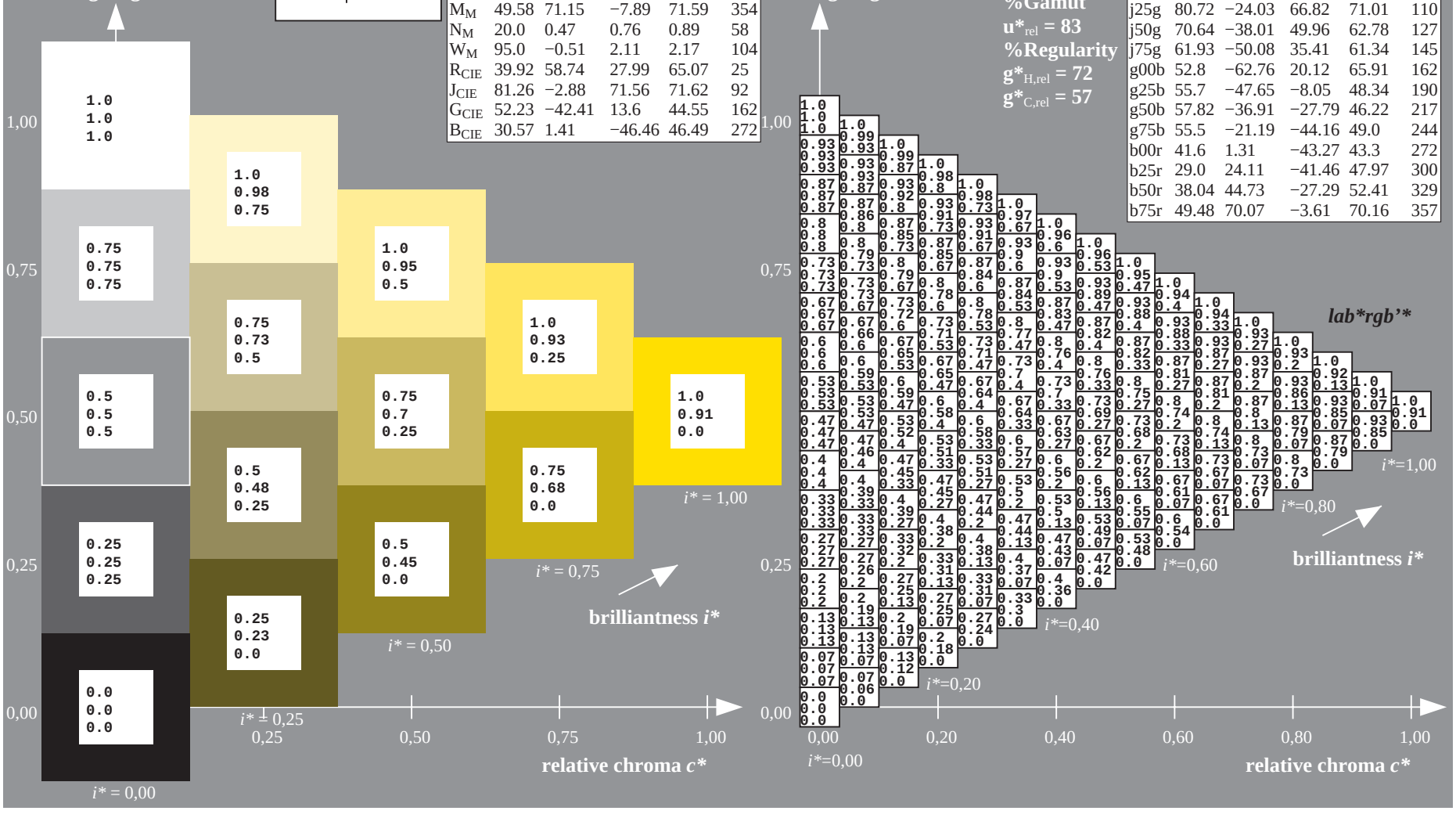
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 87 −2 80**
***LAB*LCH**Ma*: 87 80 92**
***lab*rgb**Ma*: 1.0 1.0 0.0**
***lab*olv**Ma*: 1.0 0.91 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = j00g
lab*rgb'*

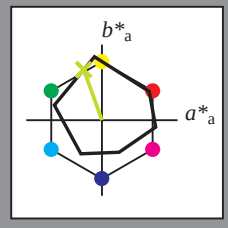
ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

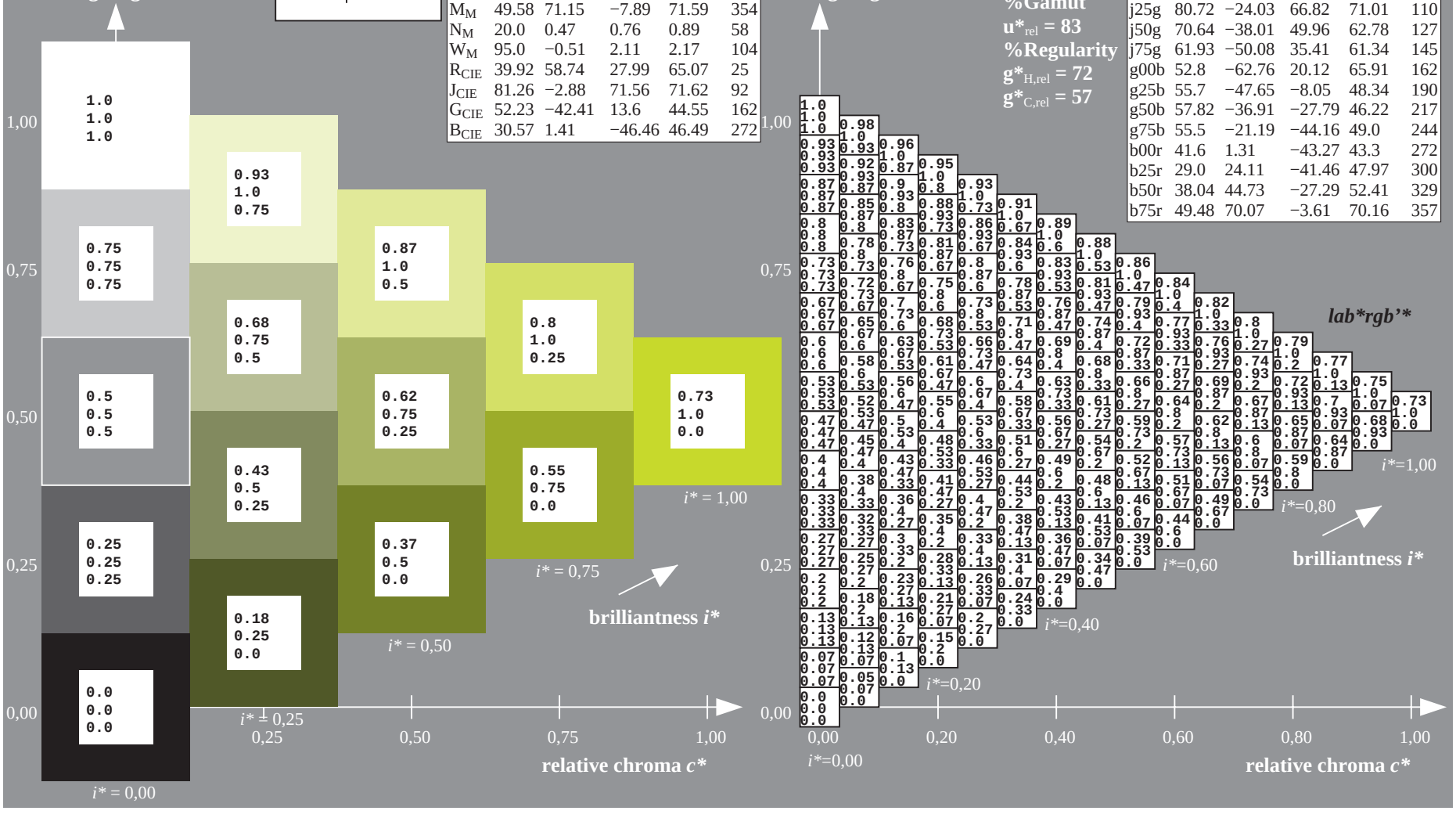
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 81 −23 67**
***LAB*LCH**Ma*: 81 71 110**
***lab*rgb**Ma*: 0.75 1.0 0.0**
***lab*olv**Ma*: 0.73 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = j25g
lab*rgb'*

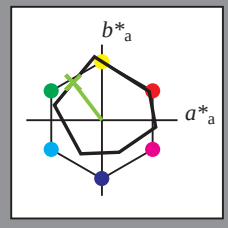
ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

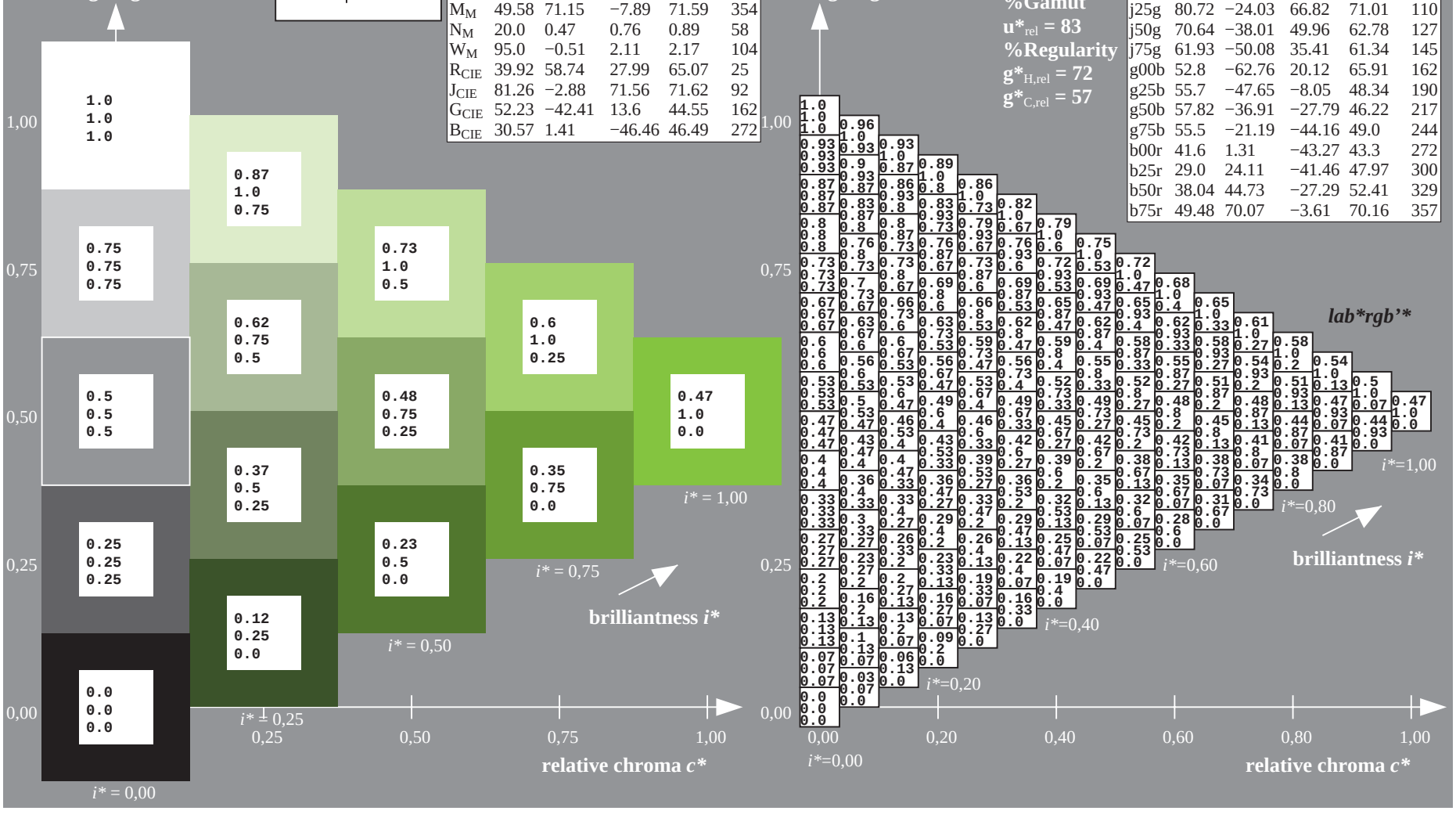
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 71 −37 50**
***LAB*LCH**Ma*: 71 63 127**
***lab*rgb**Ma*: 0.5 1.0 0.0**
***lab*olv**Ma*: 0.47 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = j50g
lab*rgb'*

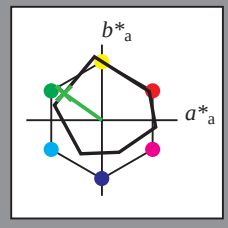
ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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:
$c_R = 0.96$
triangle lightness t^*



ORS20_95a; CIELAB data

	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

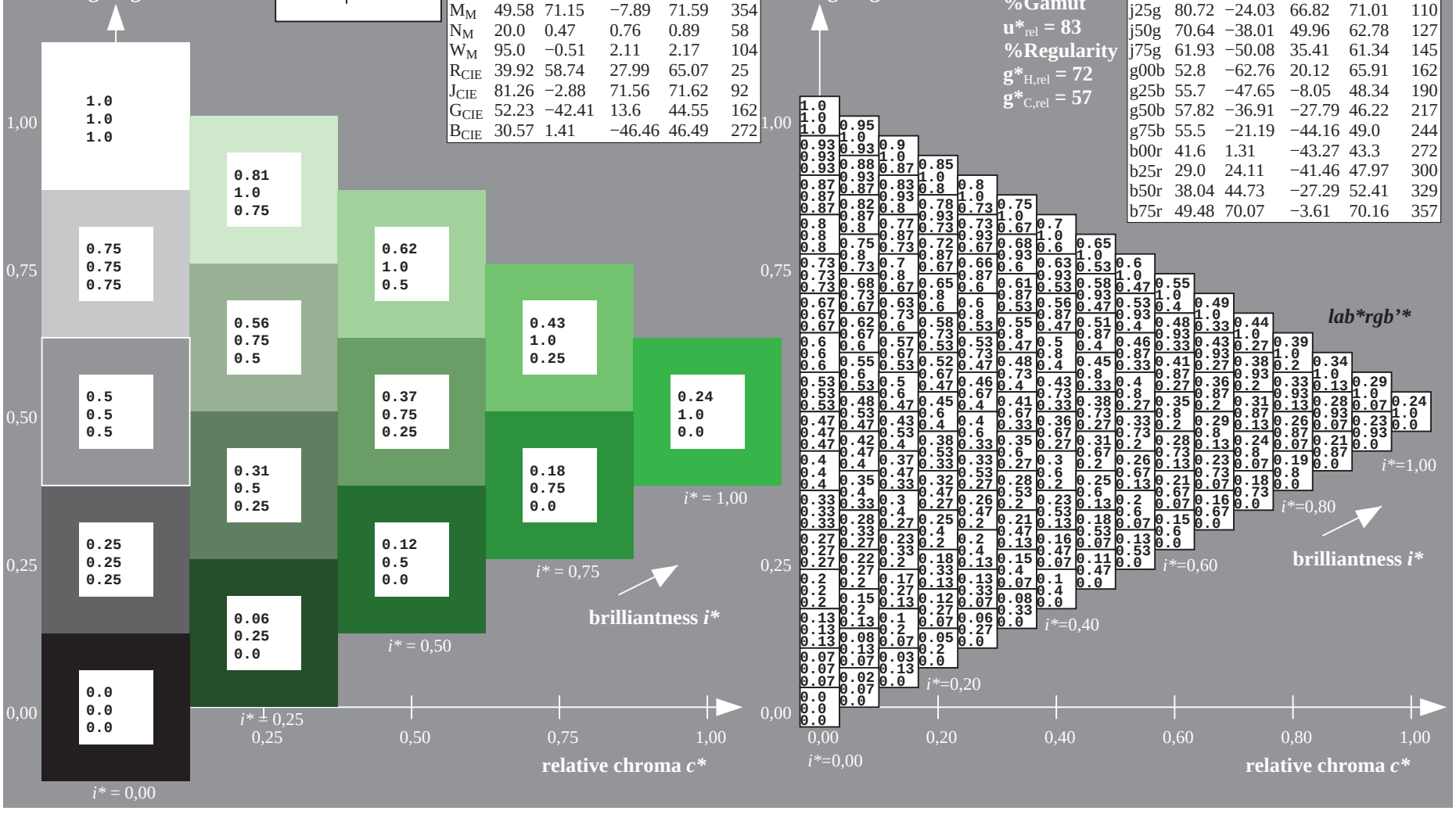
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 62 −49 35
$LAB^*LCH^*_{Ma}$: 62 61 145
$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0
$lab^*olv^*_{Ma}$: 0.24 1.0 0.0
triangle lightness t^*

%Gamut
$u^*_{rel} = 83$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

u* = j75g
lab*rgb'*

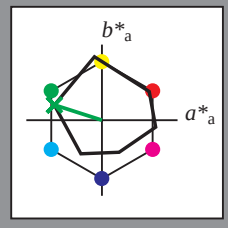
ORS20_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

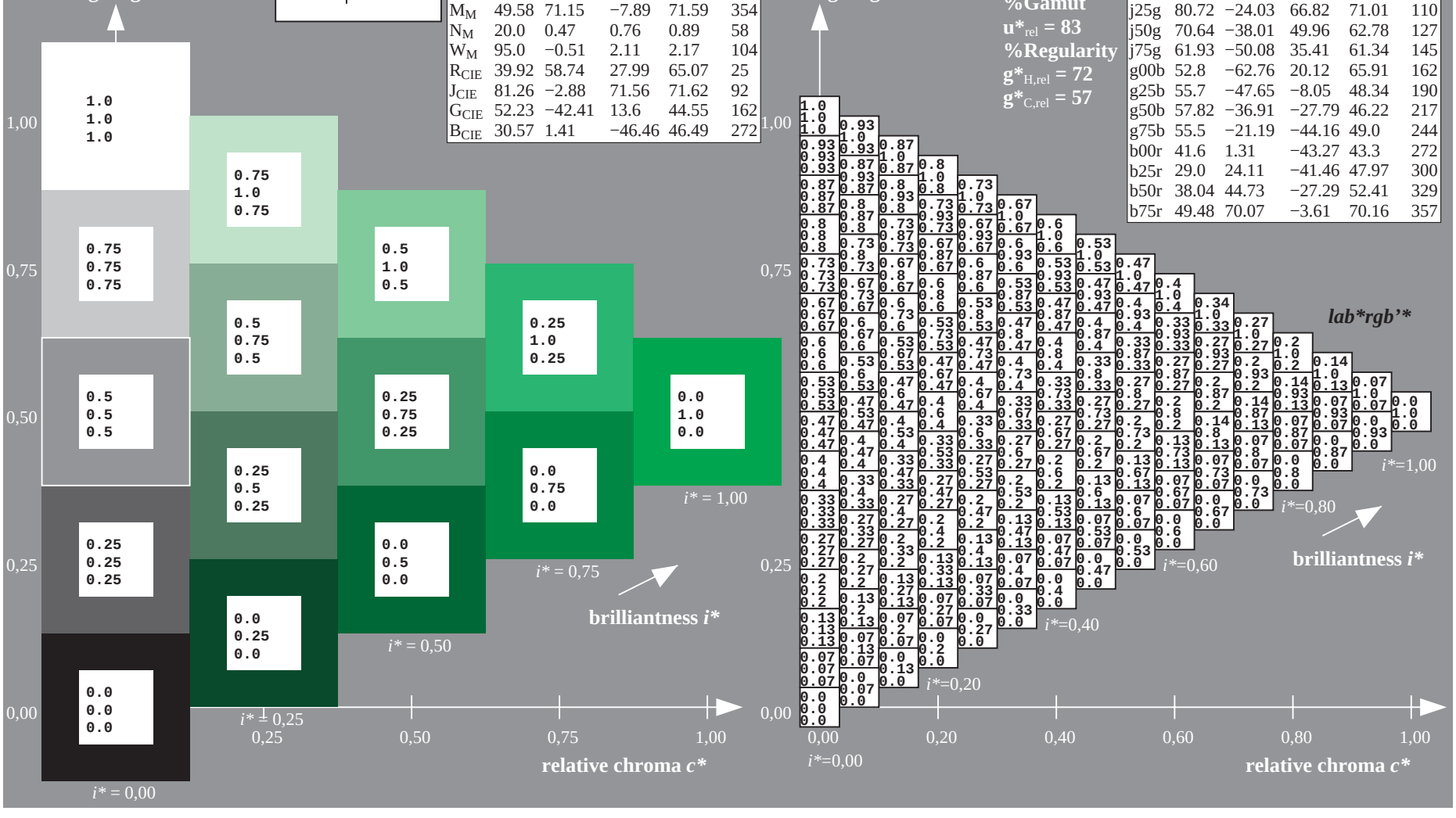
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 53 −62 20**
***LAB*LCH**Ma*: 53 66 162**
***lab*rgb**Ma*: 0.0 1.0 0.0**
***lab*olv**Ma*: 0.0 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

***u** = g00b*
lab*rgb'*

ORS20_95a; adapted (a) CIELAB data

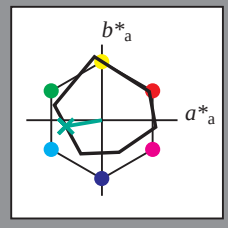
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

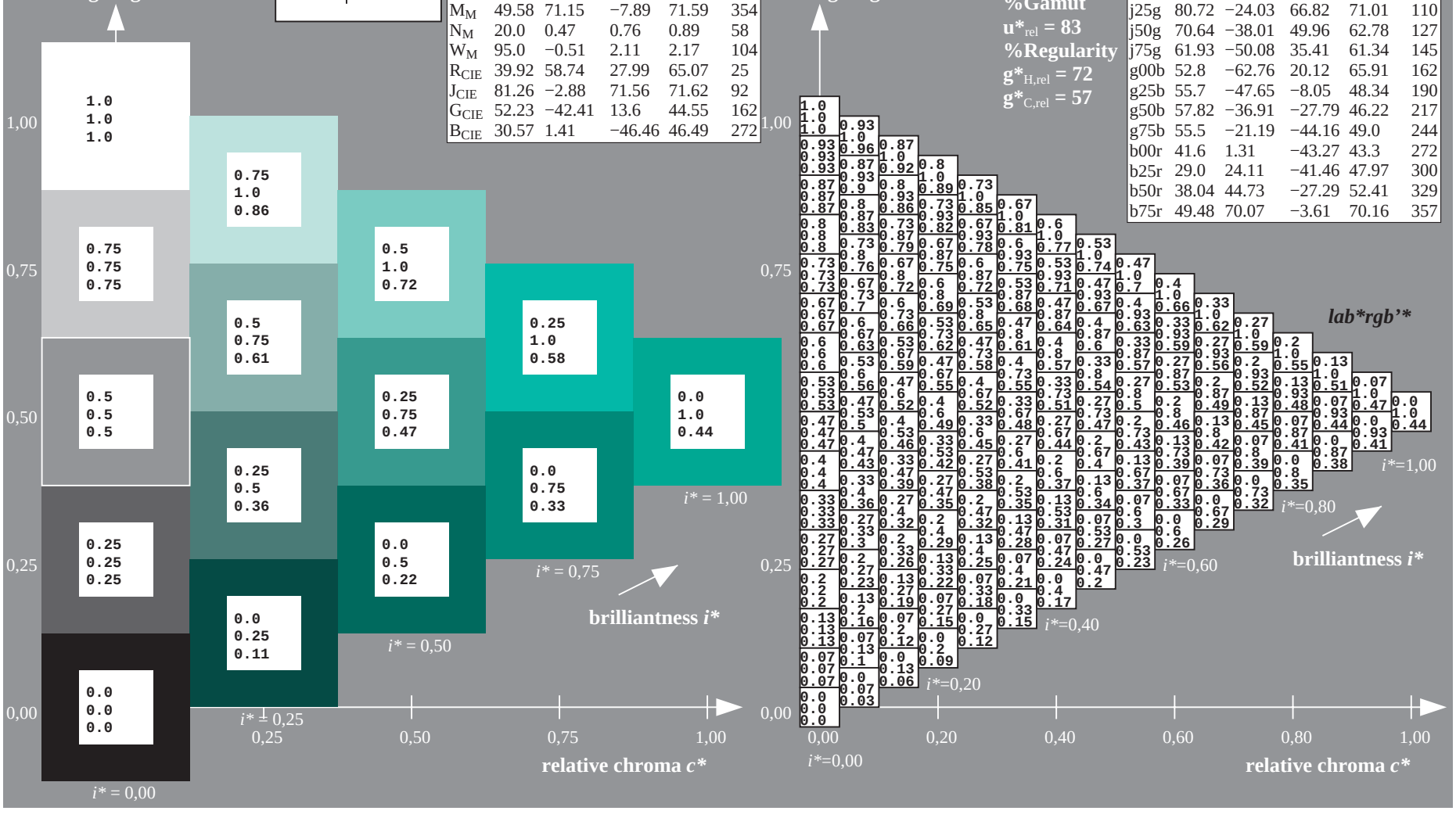
	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	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 −47 −7**
***LAB*LCH**Ma*: 56 48 190**
***lab*rgb**Ma*: 0.0 1.0 0.5**
***lab*olv**Ma*: 0.0 1.0 0.44**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

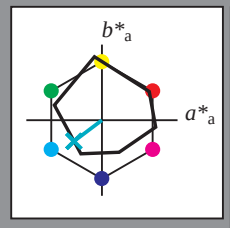
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

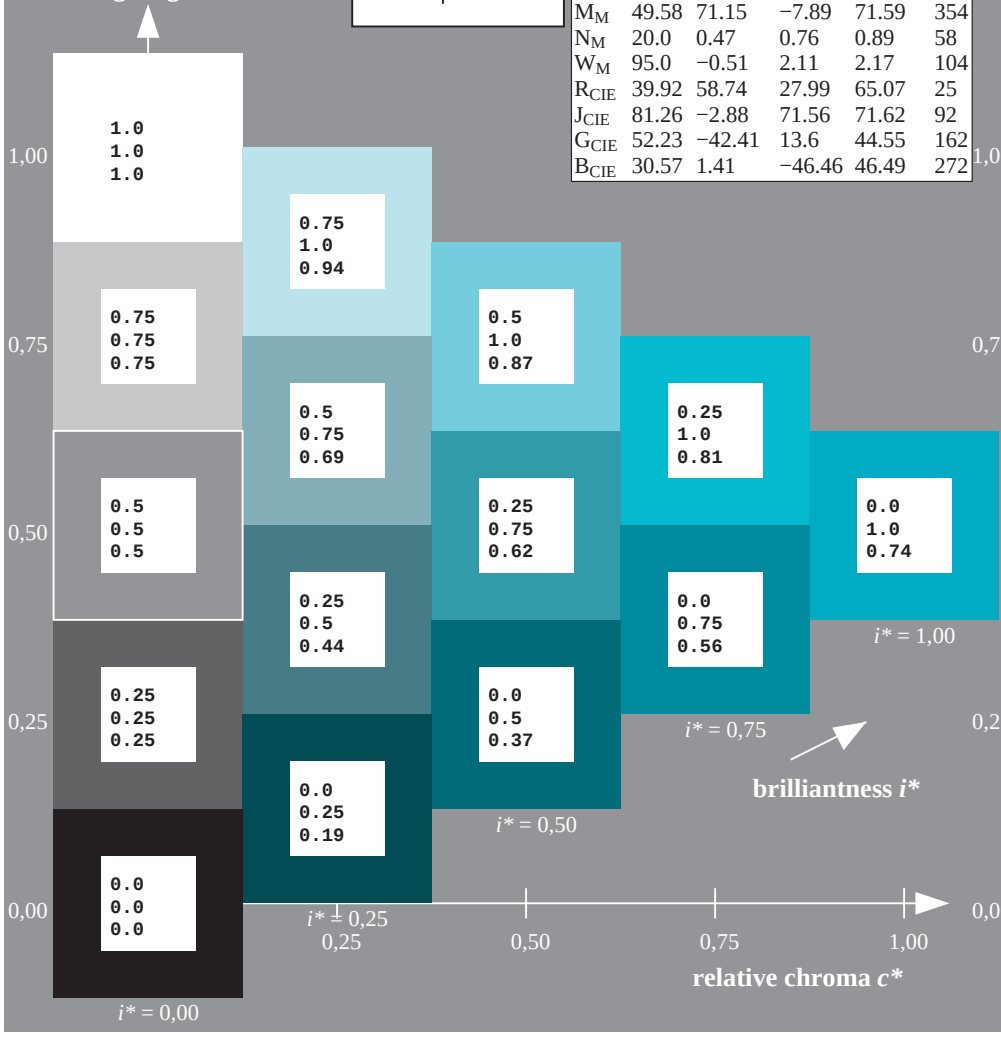
	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	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

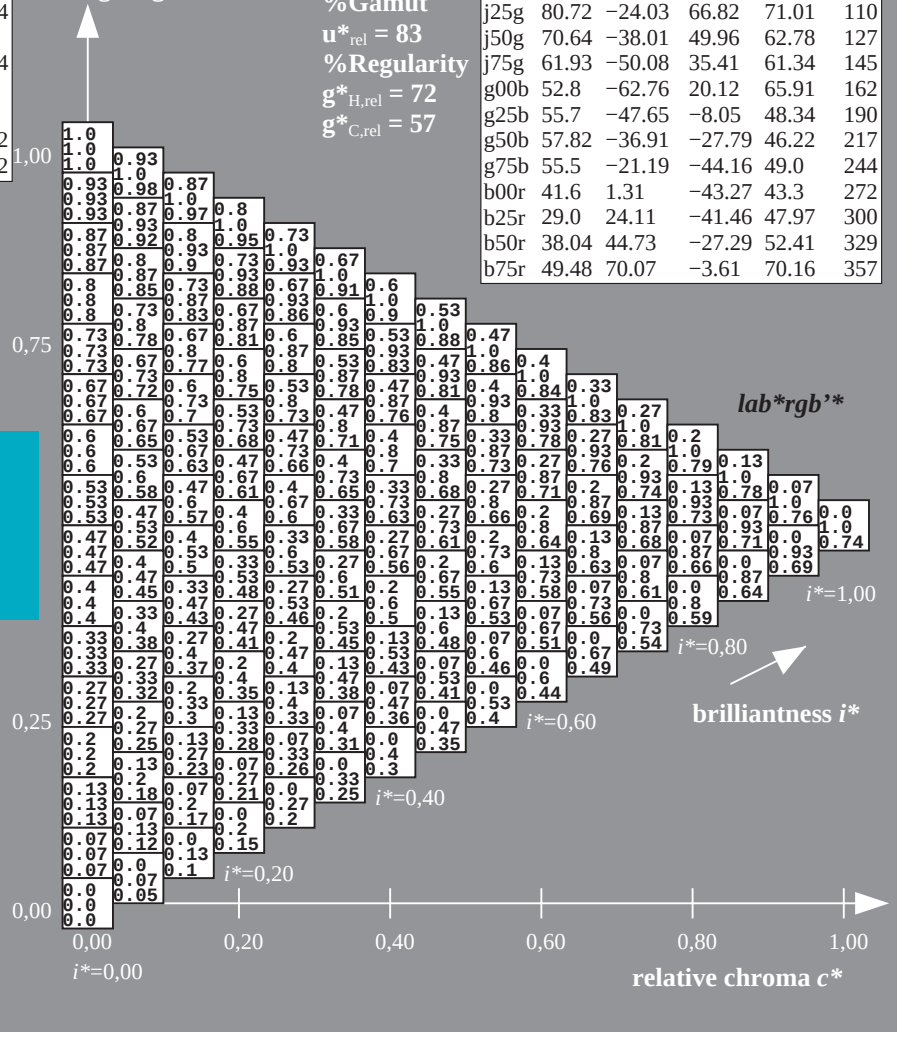
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 58 −36 −27**
***LAB*LCH**Ma*: 58 46 217**
***lab*rgb**Ma*: 0.0 1.0 1.0**
***lab*olv**Ma*: 0.0 1.0 0.74**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

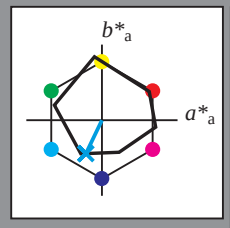




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 244/360 = 0.679**

u** = g75b
lab*rgb'*

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u** = g75b
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

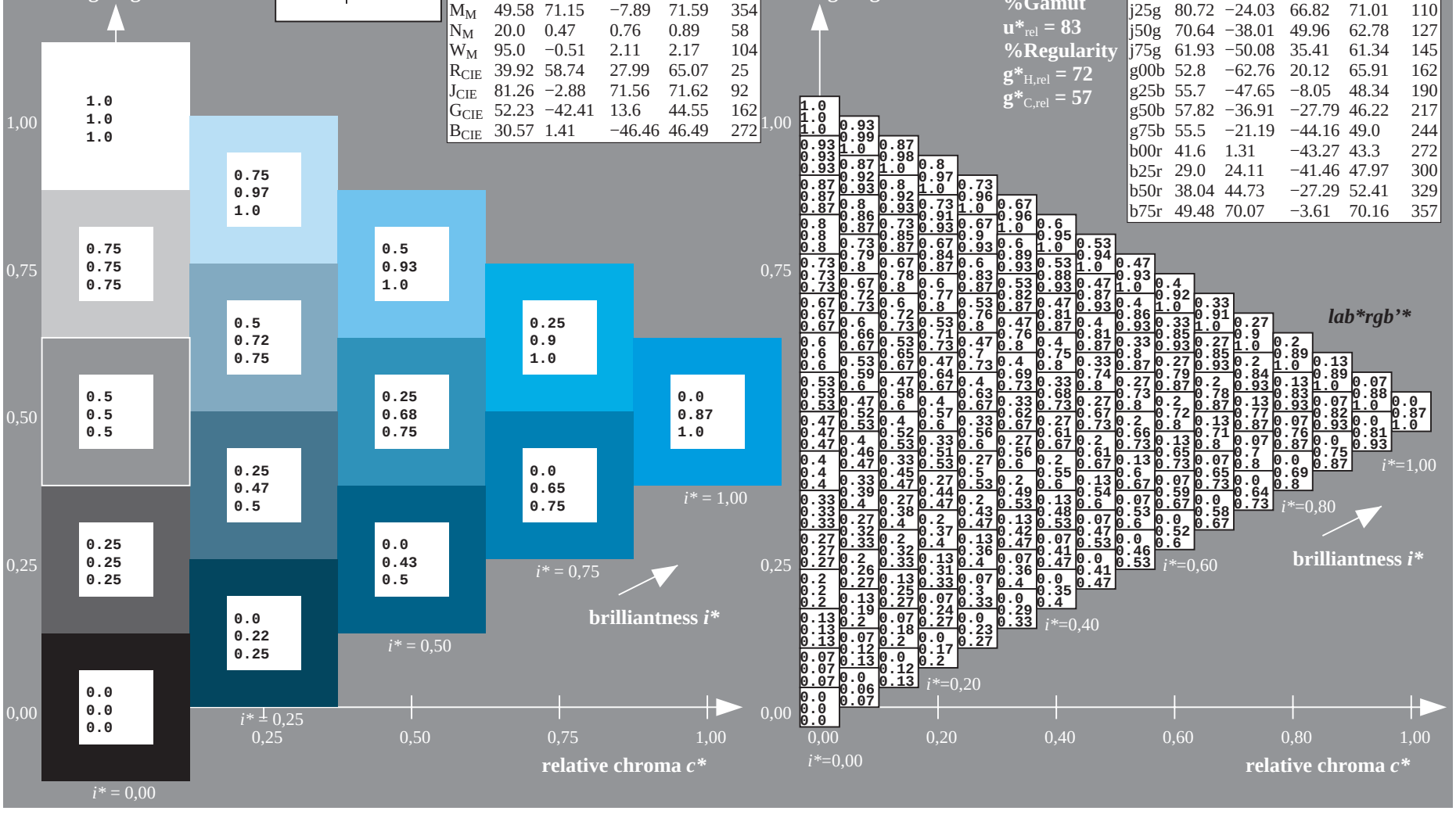
	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	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 −20 −43**
***LAB*LCH**Ma*: 55 49 244**
***lab*rgb**Ma*: 0.0 0.5 1.0**
***lab*olv**Ma*: 0.0 0.87 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

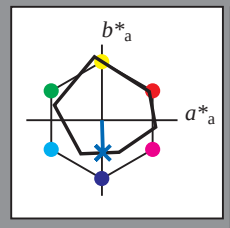
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

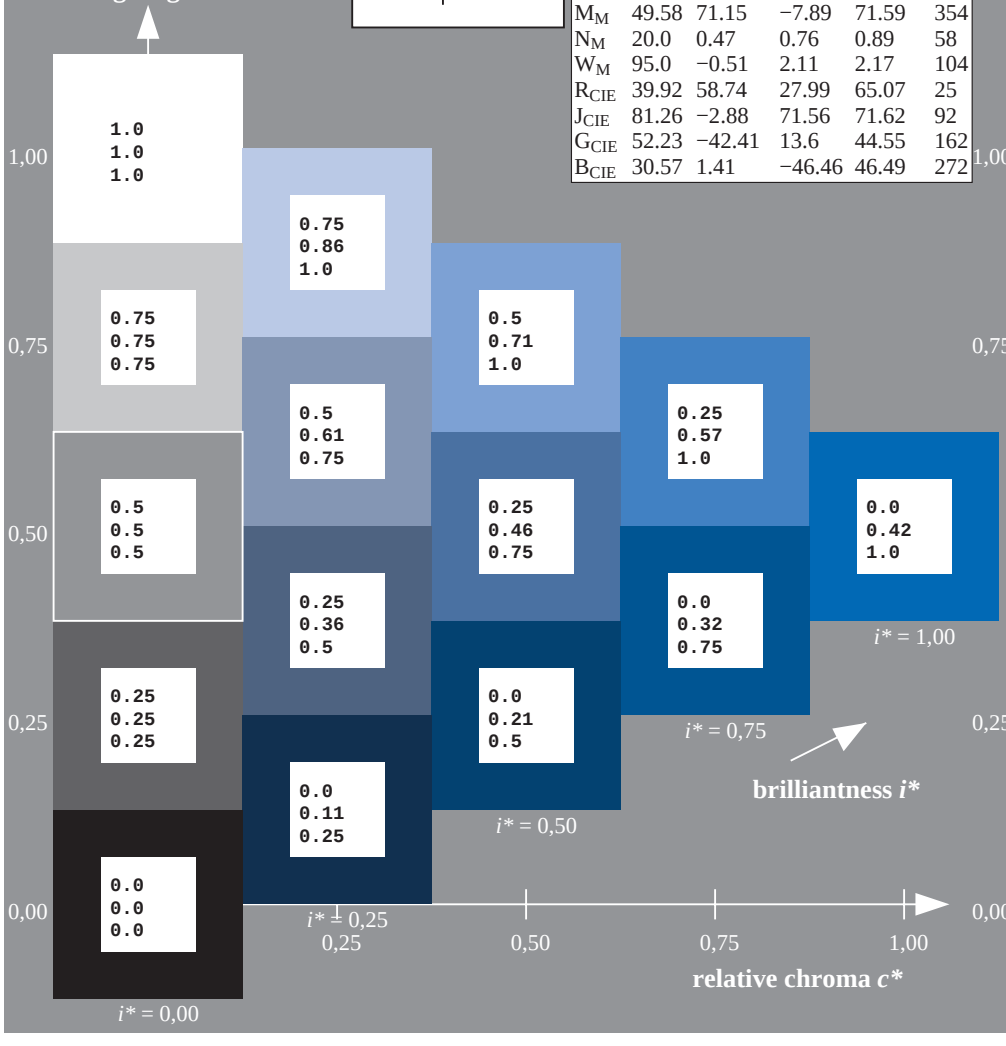
	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	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

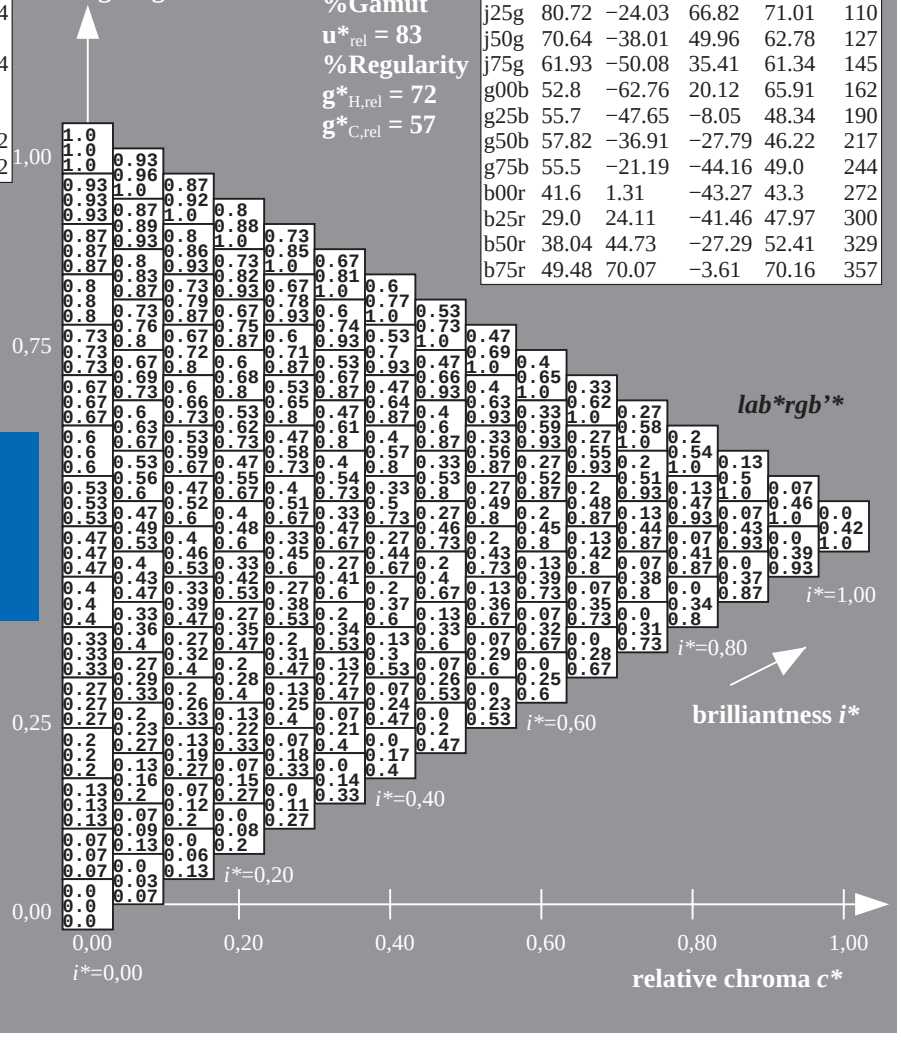
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 1 −42
*LAB*LCH**$_{Ma}$: 42 43 272
*lab*rgb**$_{Ma}$: 0.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.0 0.42 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

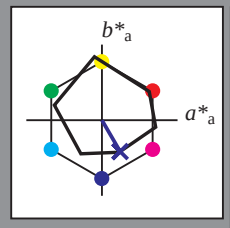




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 300/360 = 0.834**

u** = b25r
lab*rgb'*

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u** = b25r
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

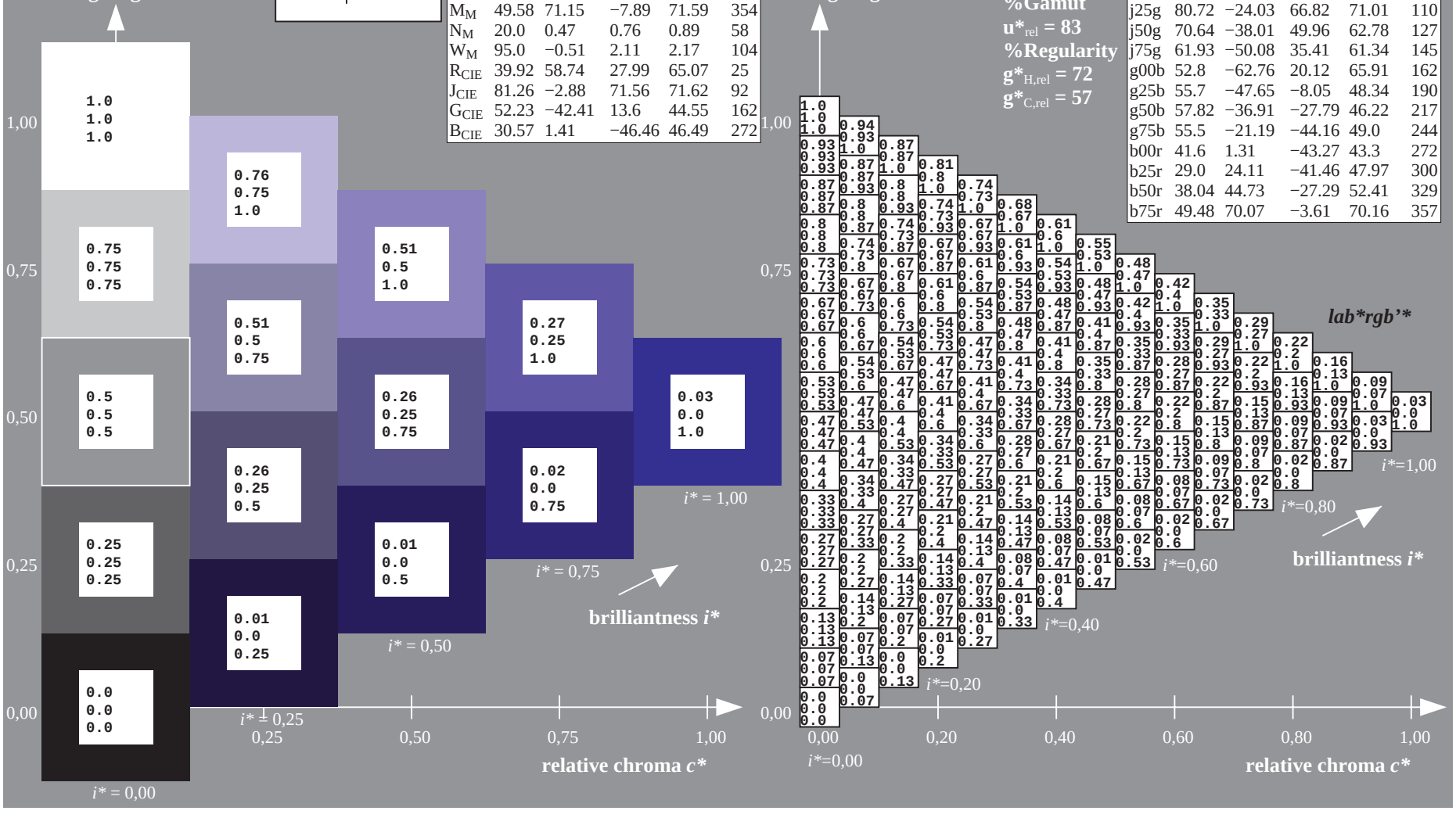
	*L**=*L**	*a**	*b**	*C**$_{ab}$	*h**$_{ab}$
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	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 24 −40**
***LAB*LCH**$_{Ma}$: 29 48 300**
***lab*rgb**$_{Ma}$: 0.5 0.0 1.0**
***lab*olv**$_{Ma}$: 0.03 0.0 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

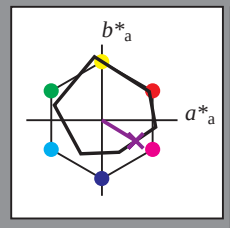
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

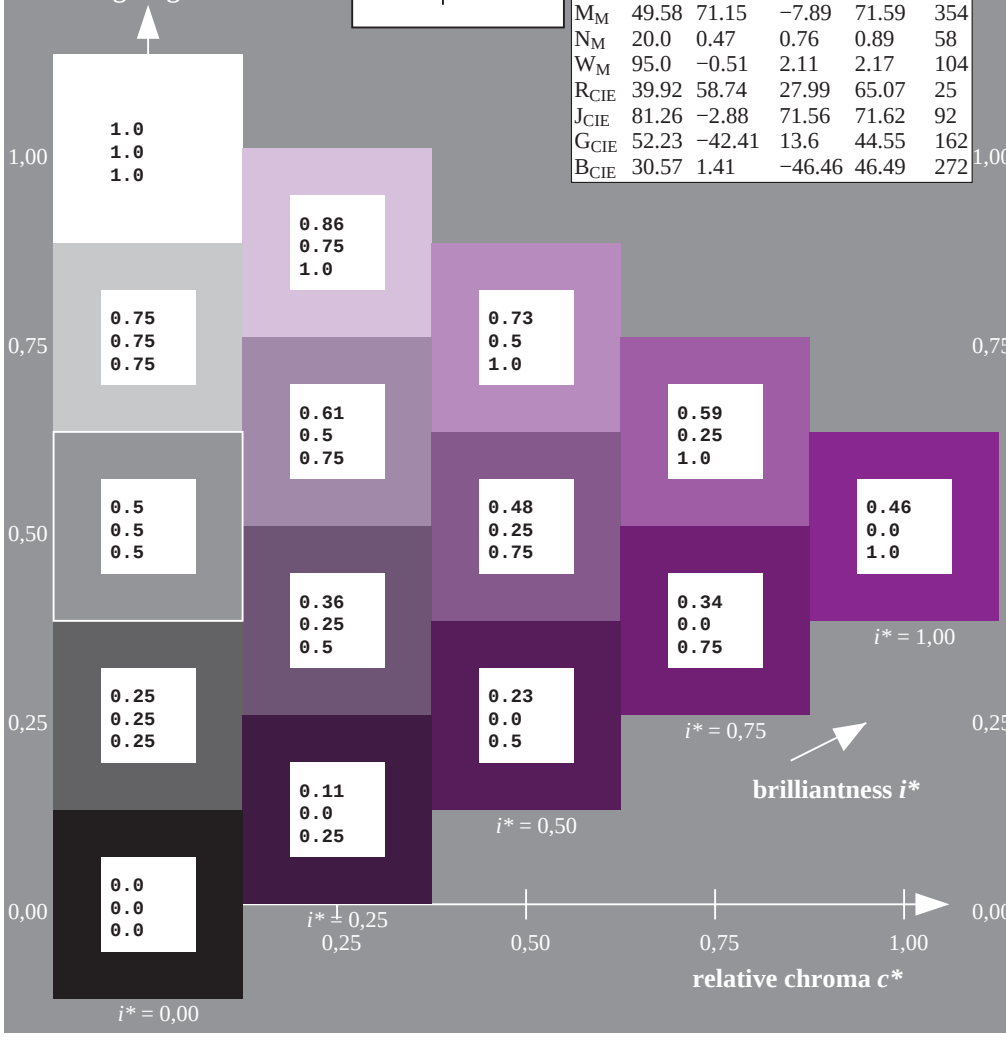
	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	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

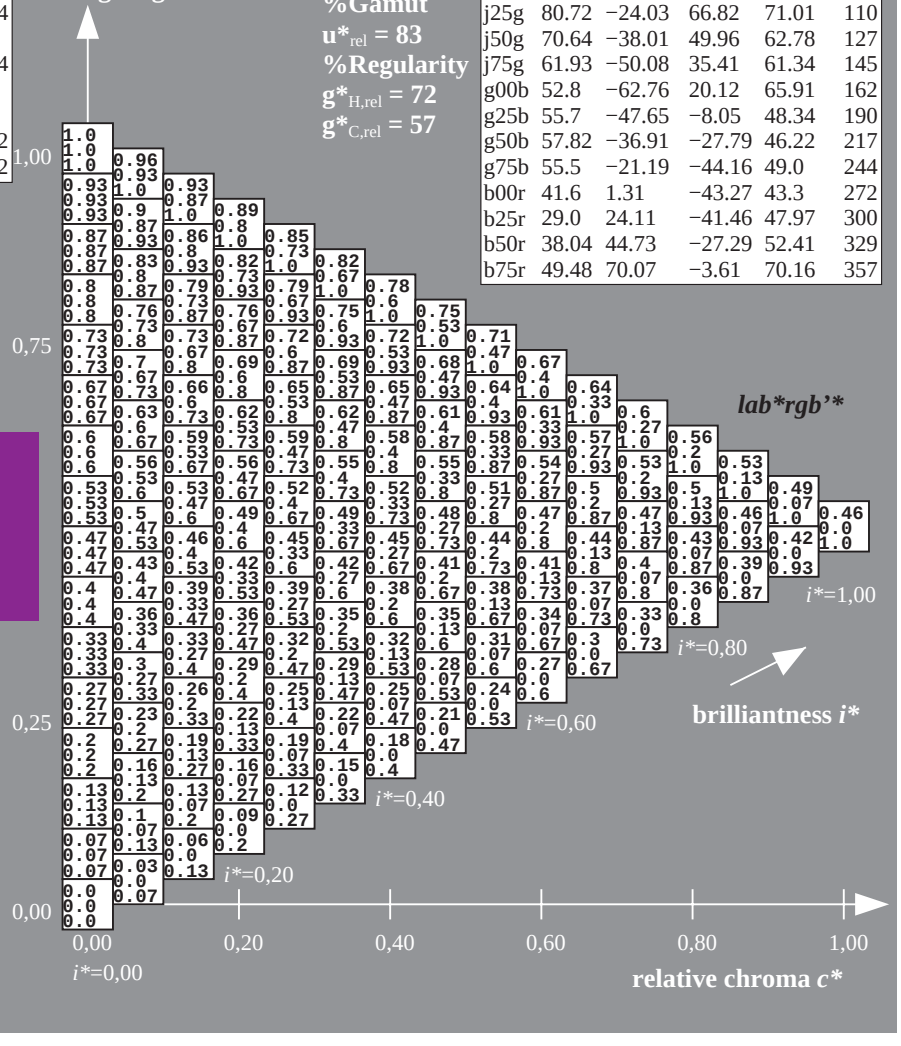
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 38 45 −26**
***LAB*LCH**Ma*: 38 52 329**
***lab*rgb**Ma*: 1.0 0.0 1.0**
***lab*olv**Ma*: 0.46 0.0 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

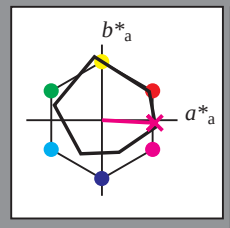




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 357/360 = 0.992**

u** = b75r
lab*rgb'*

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u** = b75r
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

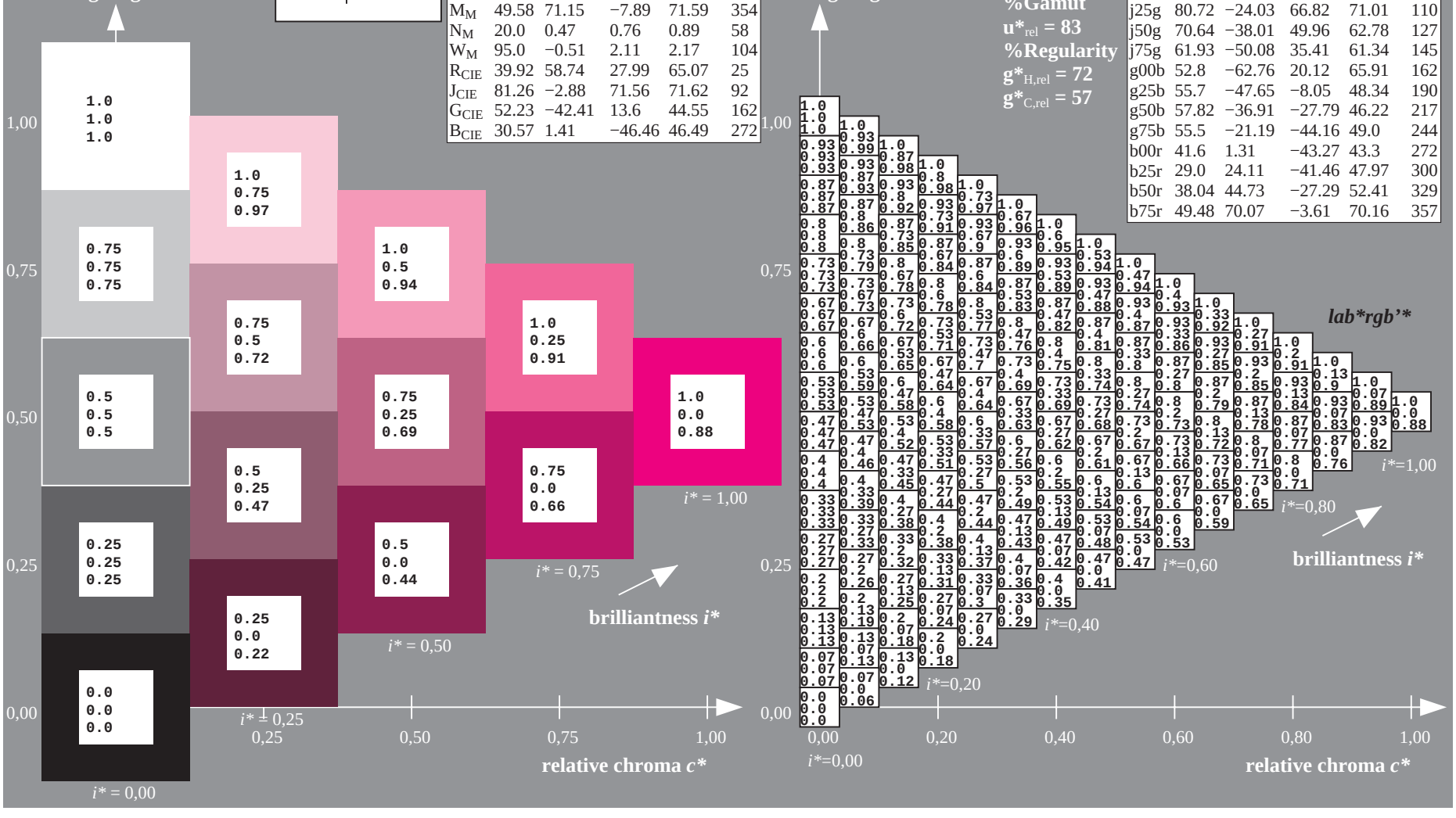
	L*=L*	a*	b*	C*ab	h*ab
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	65.07	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

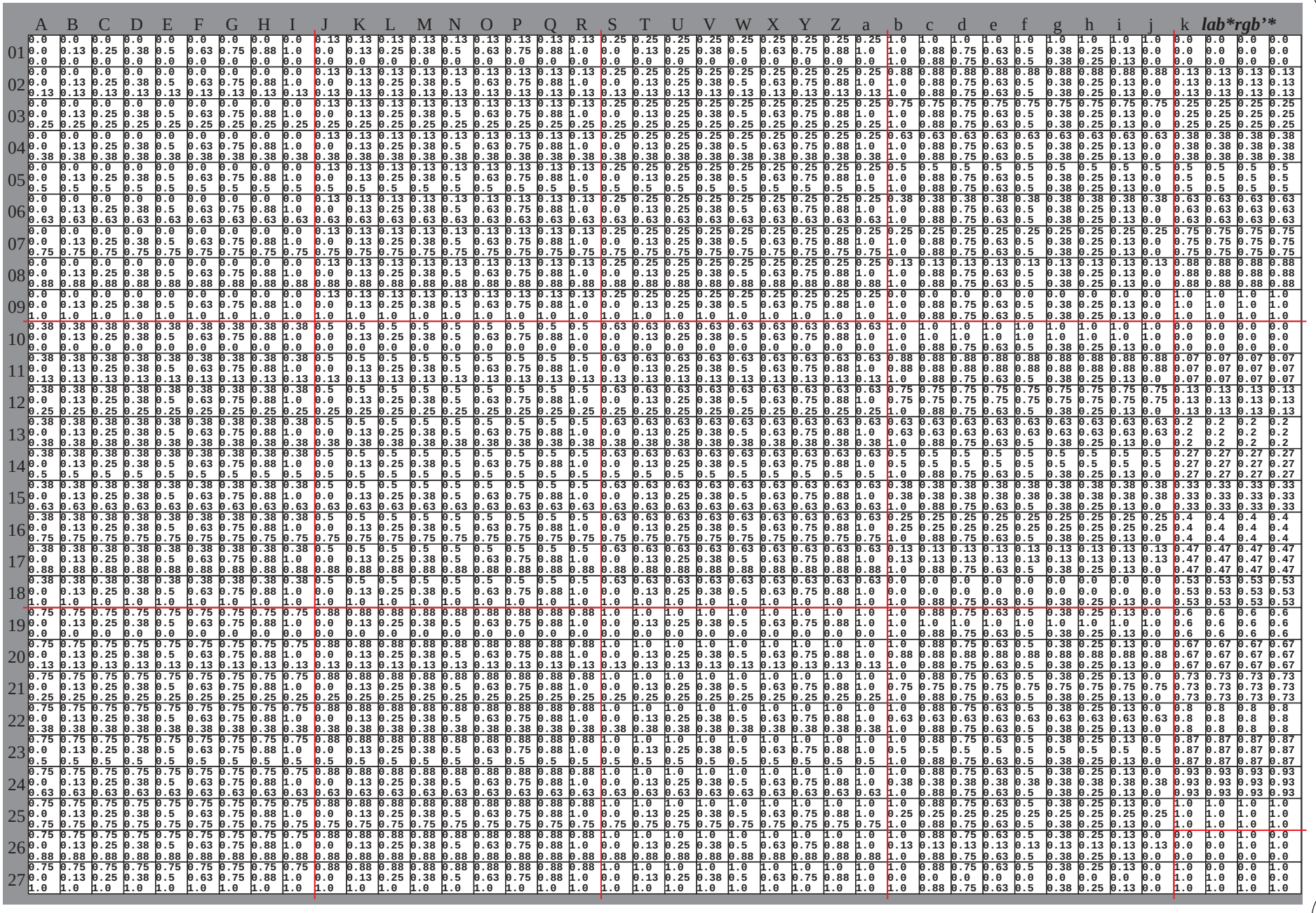
Data for maximum colour (Ma):
LAB*LAB**Ma: 49 70 −3
LAB*LCH**Ma: 49 70 357
lab*rgb**Ma: 1.0 0.0 0.5
lab*olv**Ma: 1.0 0.0 0.88
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	49.48	70.07	−3.61	70.16	357

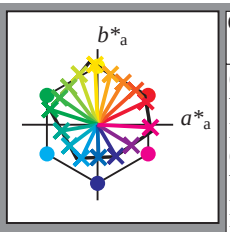




Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
lab*tch* **and** ***lab*icu****
elementary hue text:
u* **= 16 hues** ***r00j, r25j, ..., b75r***
contrast reduction factor:
c_R **= 0.96**

ORS20_95a; adapted (a) CIELAB data

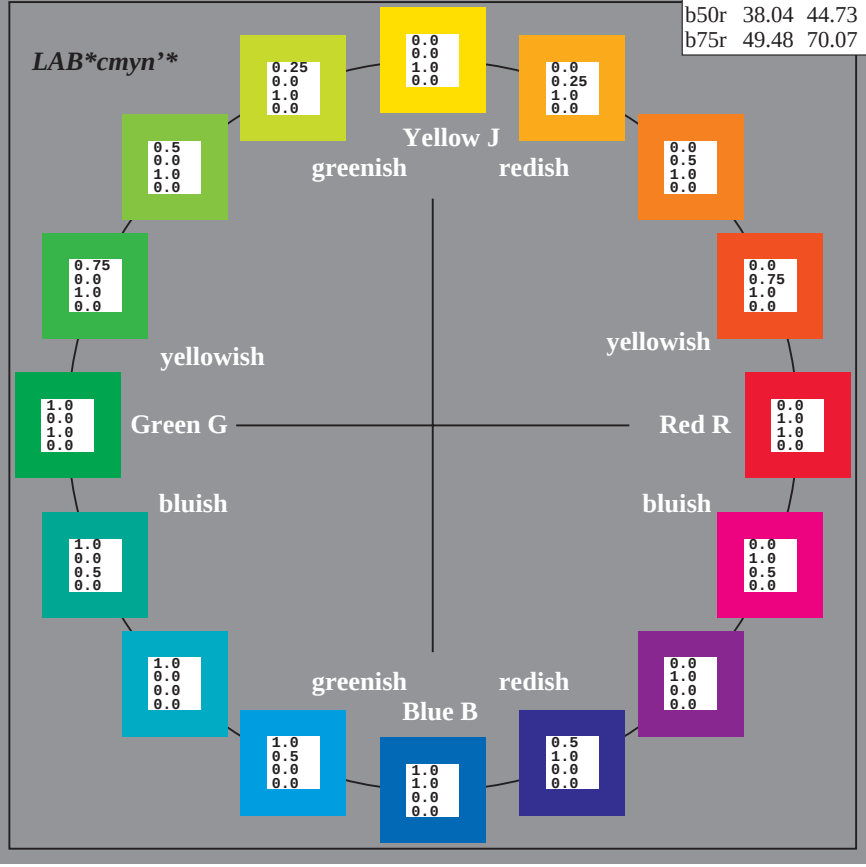
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

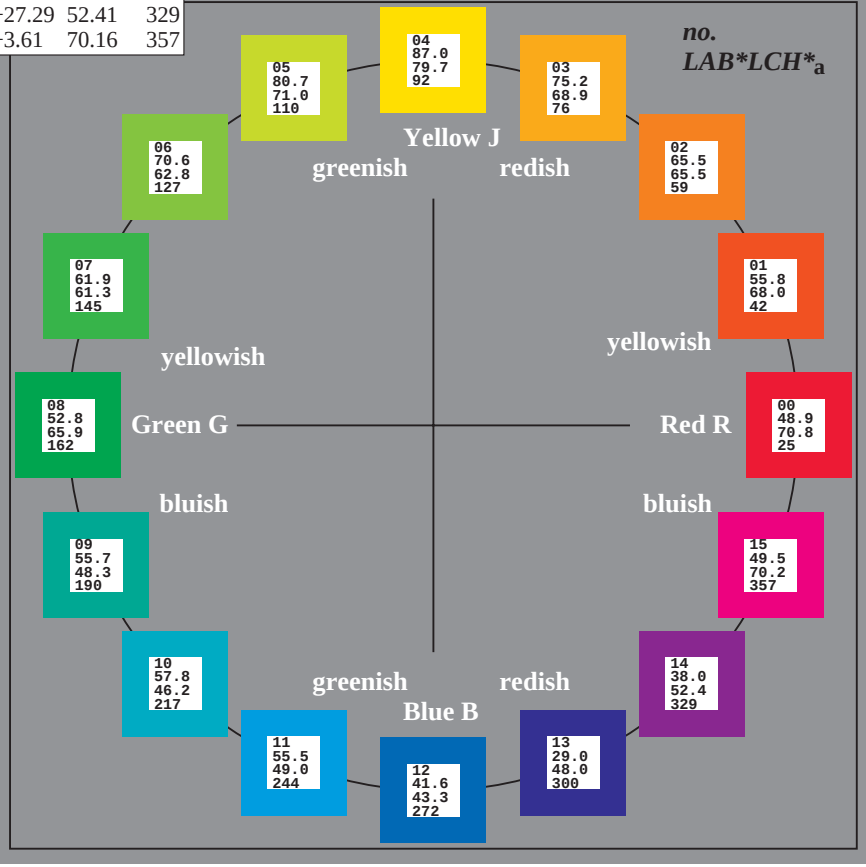


%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; CIELAB data

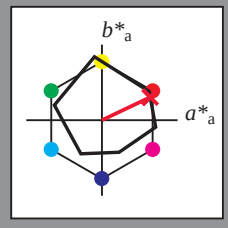
	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	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 ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

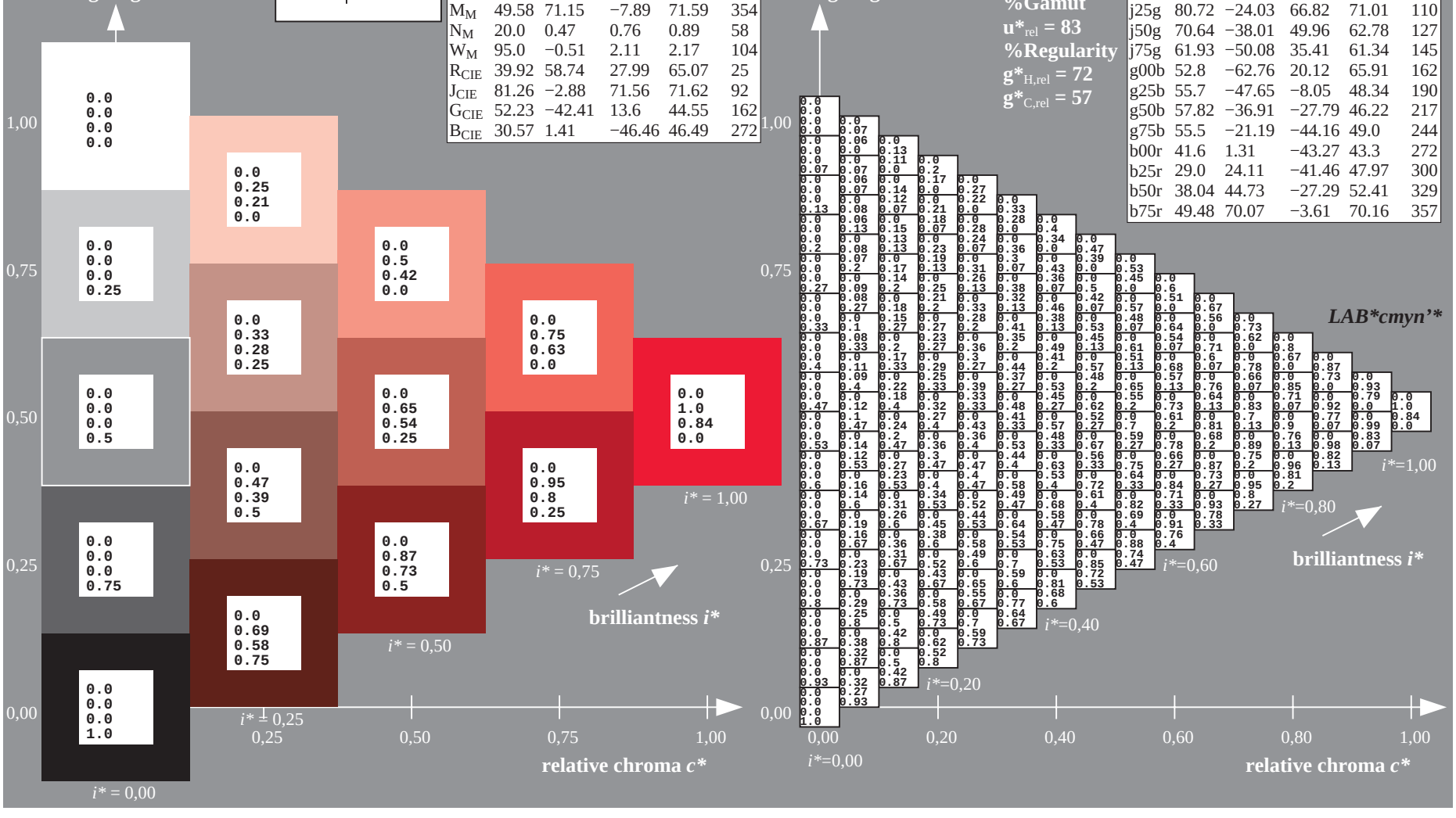
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 49 64 30**
***LAB*LCH**Ma*: 49 71 25**
***lab*rgb**Ma*: 1.0 0.0 0.0**
***lab*olv**Ma*: 1.0 0.0 0.16**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = r00j
LAB*cmyn'*

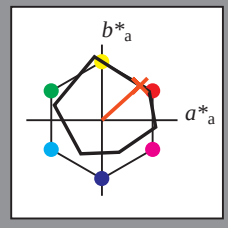
ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

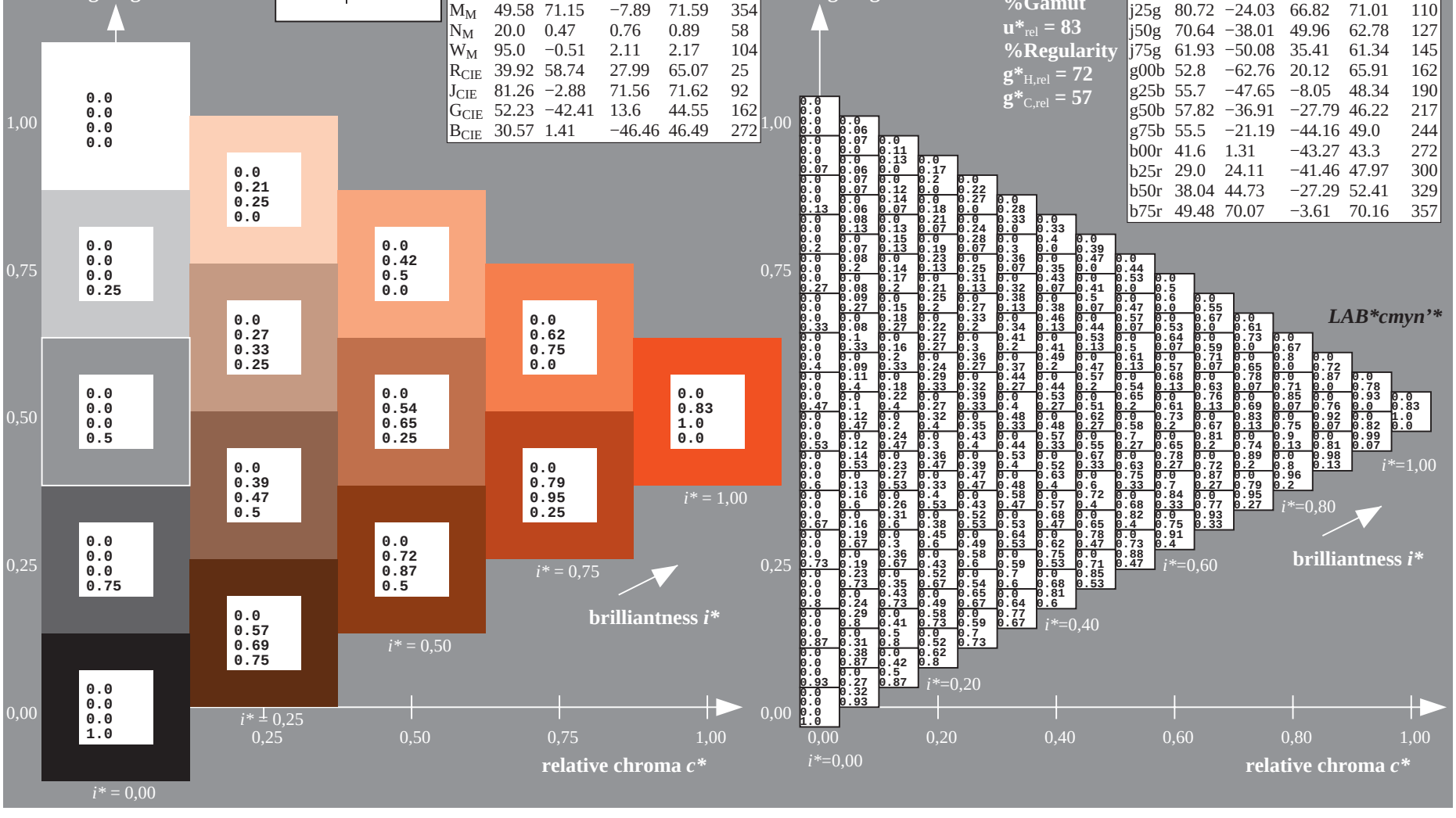
Data for maximum colour (Ma):
***LAB*LAB**Ma:** 56 50 46*
***LAB*LCH**Ma:** 56 68 42*
***lab*rgb**Ma:** 1.0 0.25 0.0*
***lab*olv**Ma:** 1.0 0.17 0.0*
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = r25j
LAB*cmyn'*

ORS20_95a; adapted (a) CIELAB data

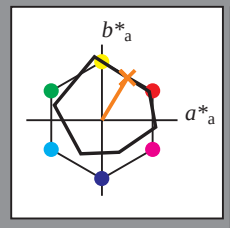
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**

u** = r50j
LAB*cmyn'*



ORS20_95a; CIELAB data

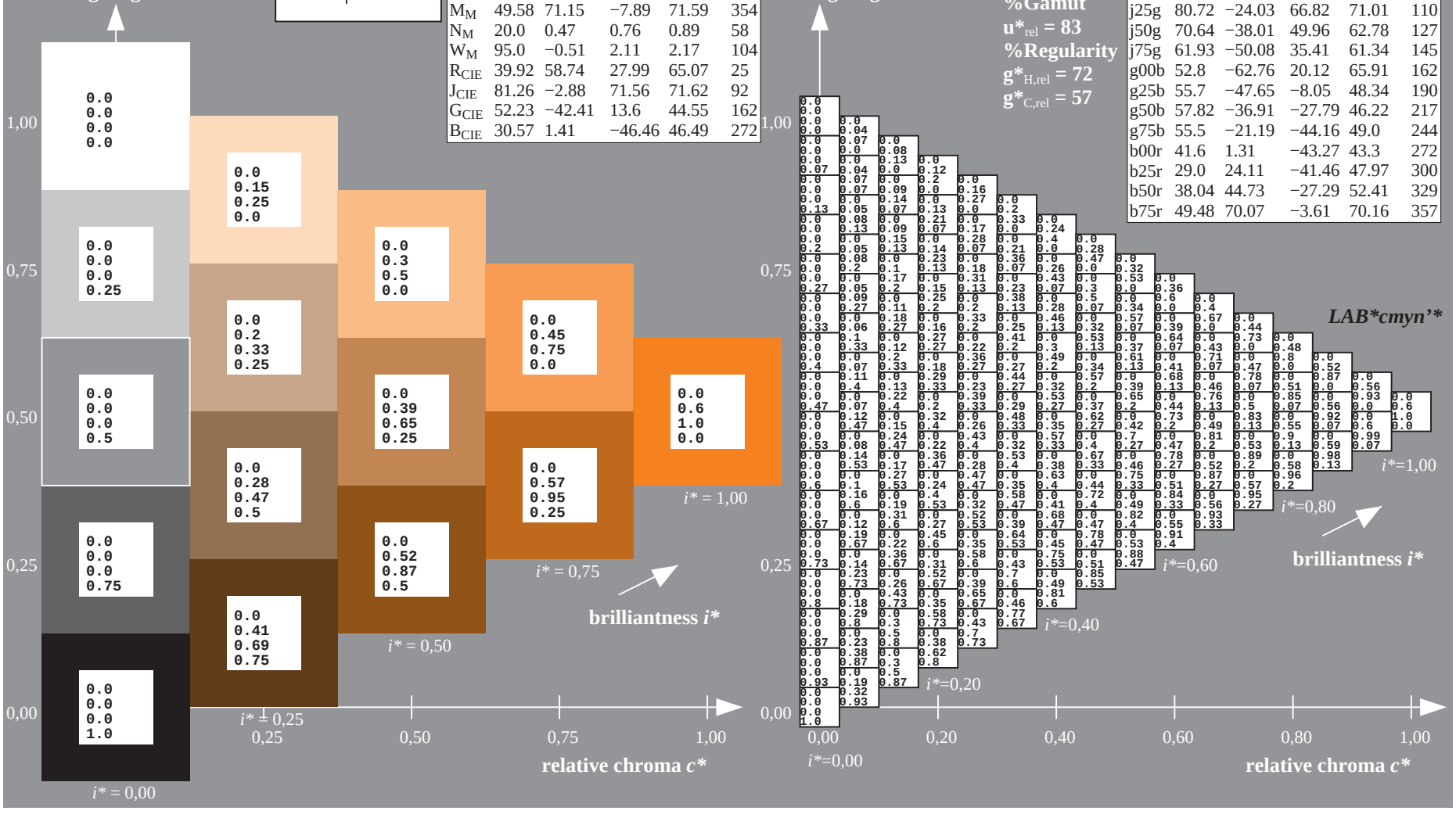
	L*=L*	a*	b*	C*ab	h*ab
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	65.07	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 34 56**
***LAB*LCH**Ma*: 65 66 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} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

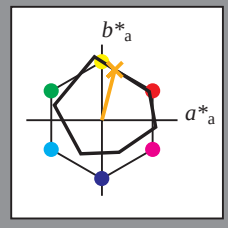
ORS20_95a; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

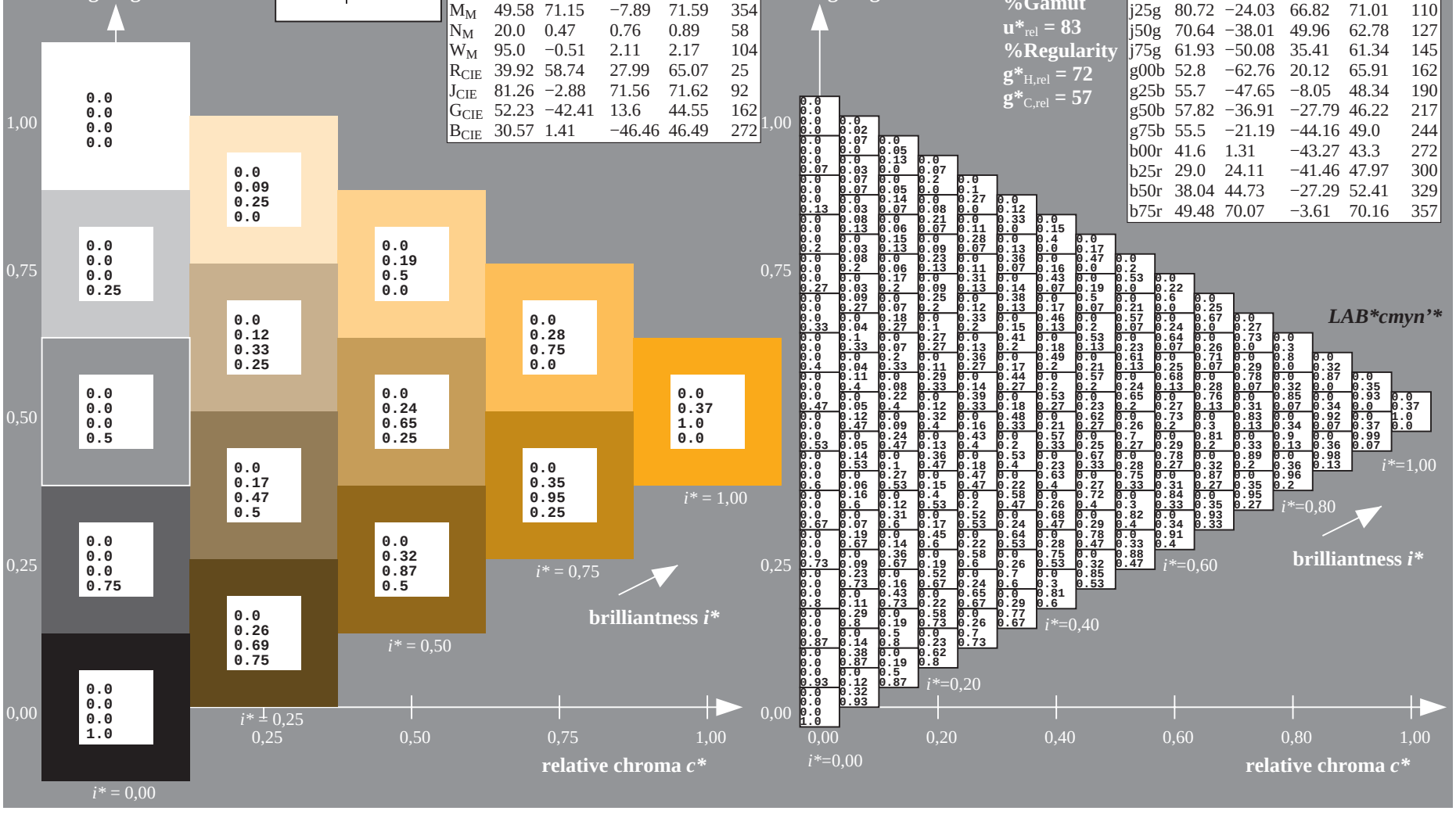
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 75 17 67**
***LAB*LCH**Ma*: 75 69 76**
***lab*rgb**Ma*: 1.0 0.75 0.0**
***lab*olv**Ma*: 1.0 0.63 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = r75j
LAB*cmyn'*

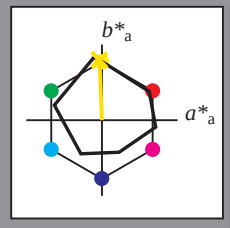
ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

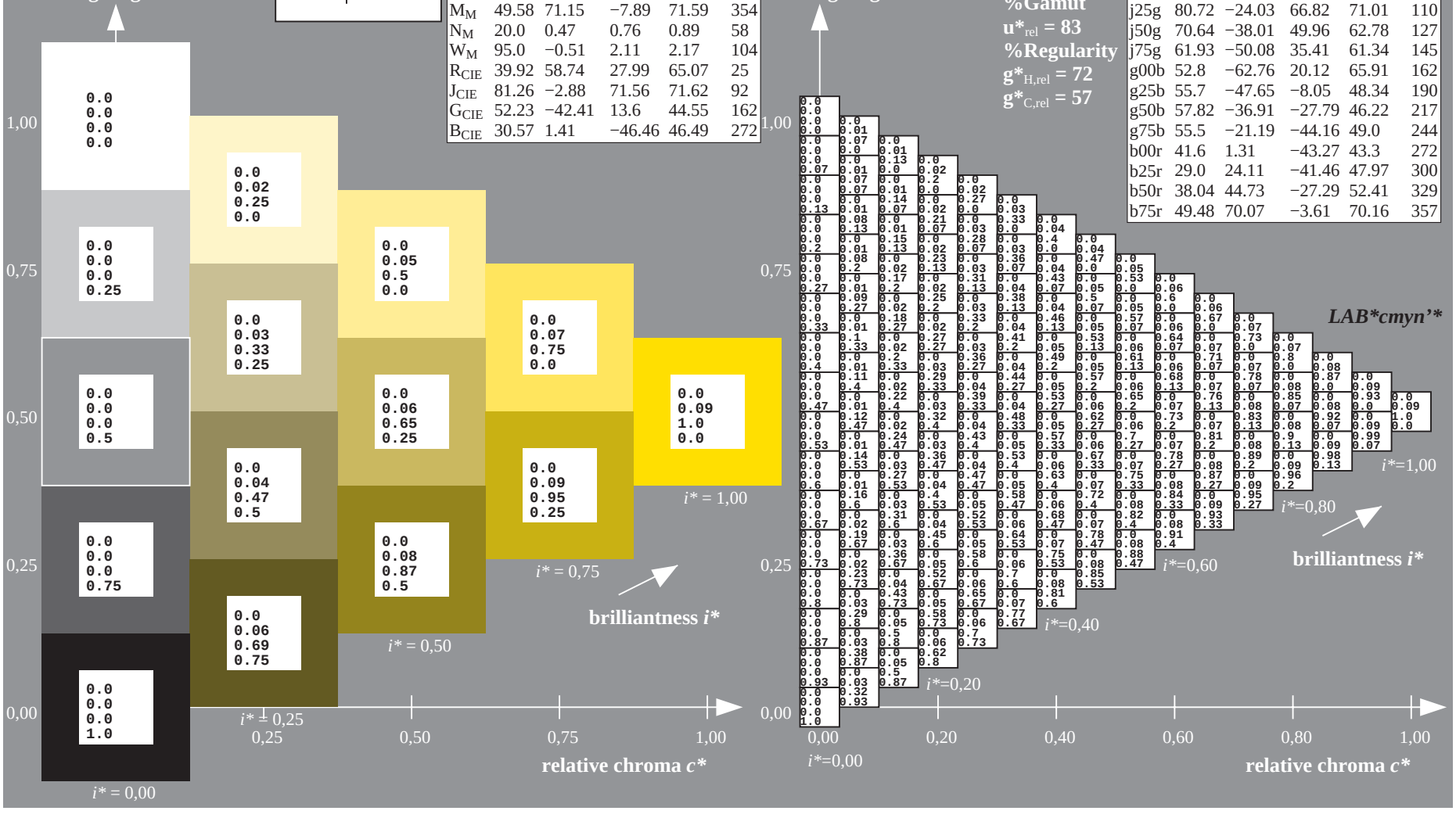
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 87 −2 80**
***LAB*LCH**Ma*: 87 80 92**
***lab*rgb**Ma*: 1.0 1.0 0.0**
***lab*olv**Ma*: 1.0 0.91 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = j00g
LAB*cmyn'*

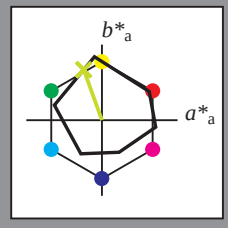
ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

	L=L**	*a**	*b**	C^*_{ab}	h^*_{ab}
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

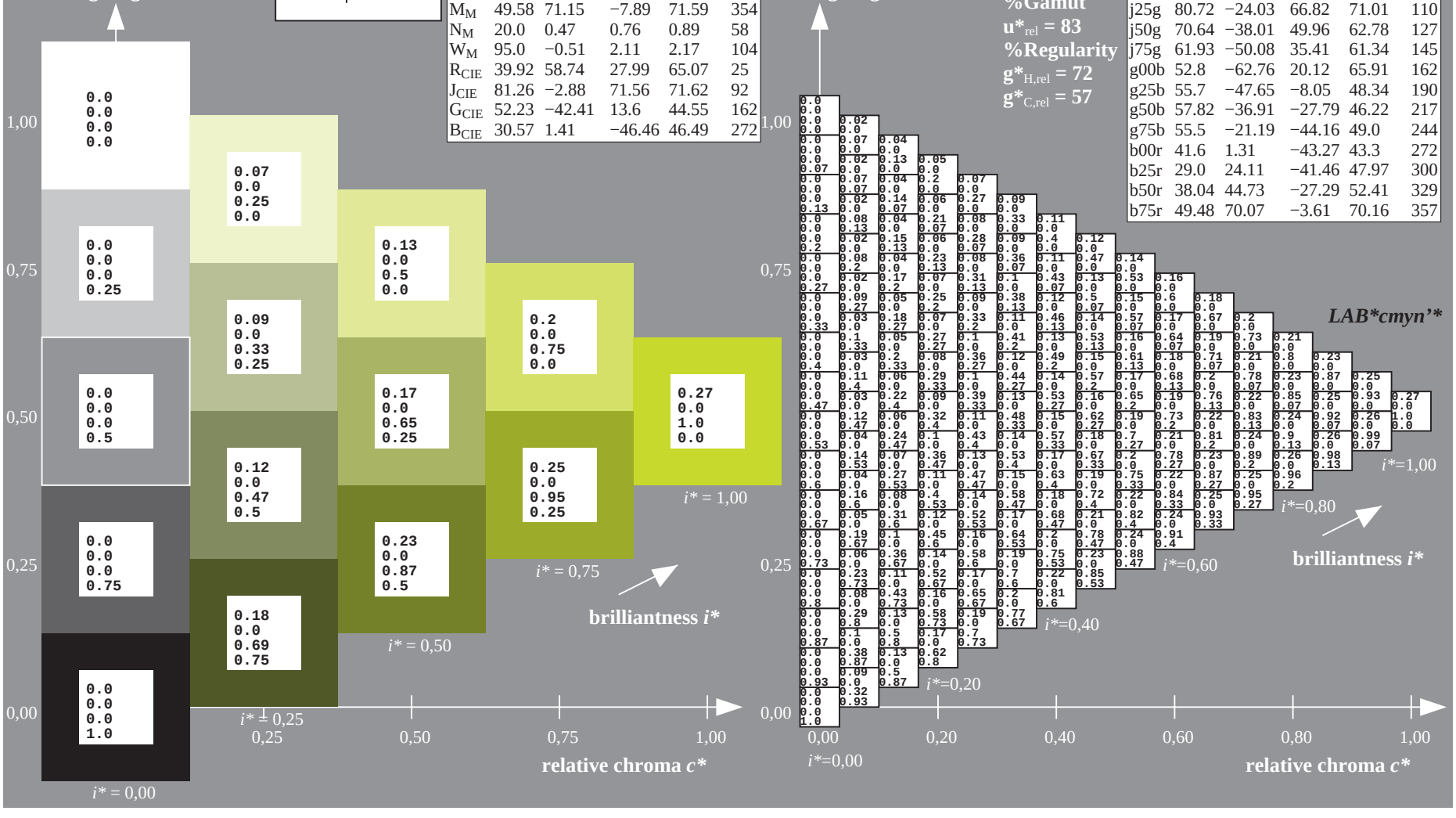
Data for maximum colour (Ma):
LAB*LAB**Ma: 81 −23 67
LAB*LCH**Ma: 81 71 110
lab*rgb**Ma: 0.75 1.0 0.0
lab*olv**Ma: 0.73 1.0 0.0
triangle lightness *t*

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = j25g
LAB*cmyn'*

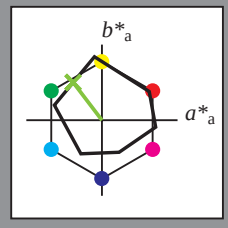
ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

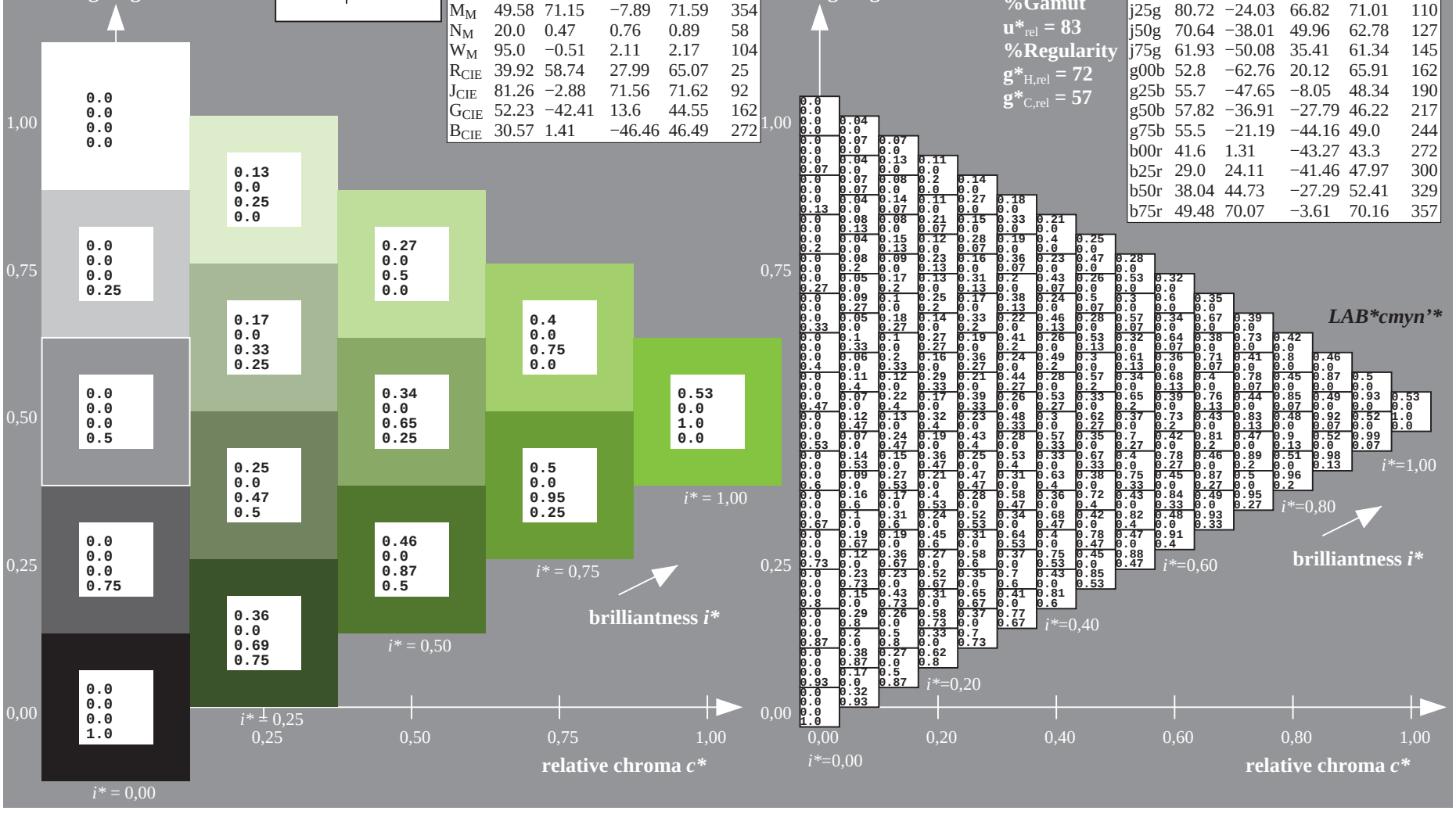
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 71 −37 50**
***LAB*LCH**Ma*: 71 63 127**
***lab*rgb**Ma*: 0.5 1.0 0.0**
***lab*olv**Ma*: 0.47 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = j50g
LAB*cmyn'*

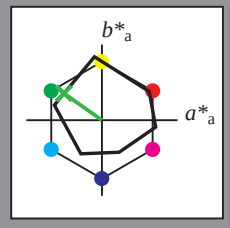
ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

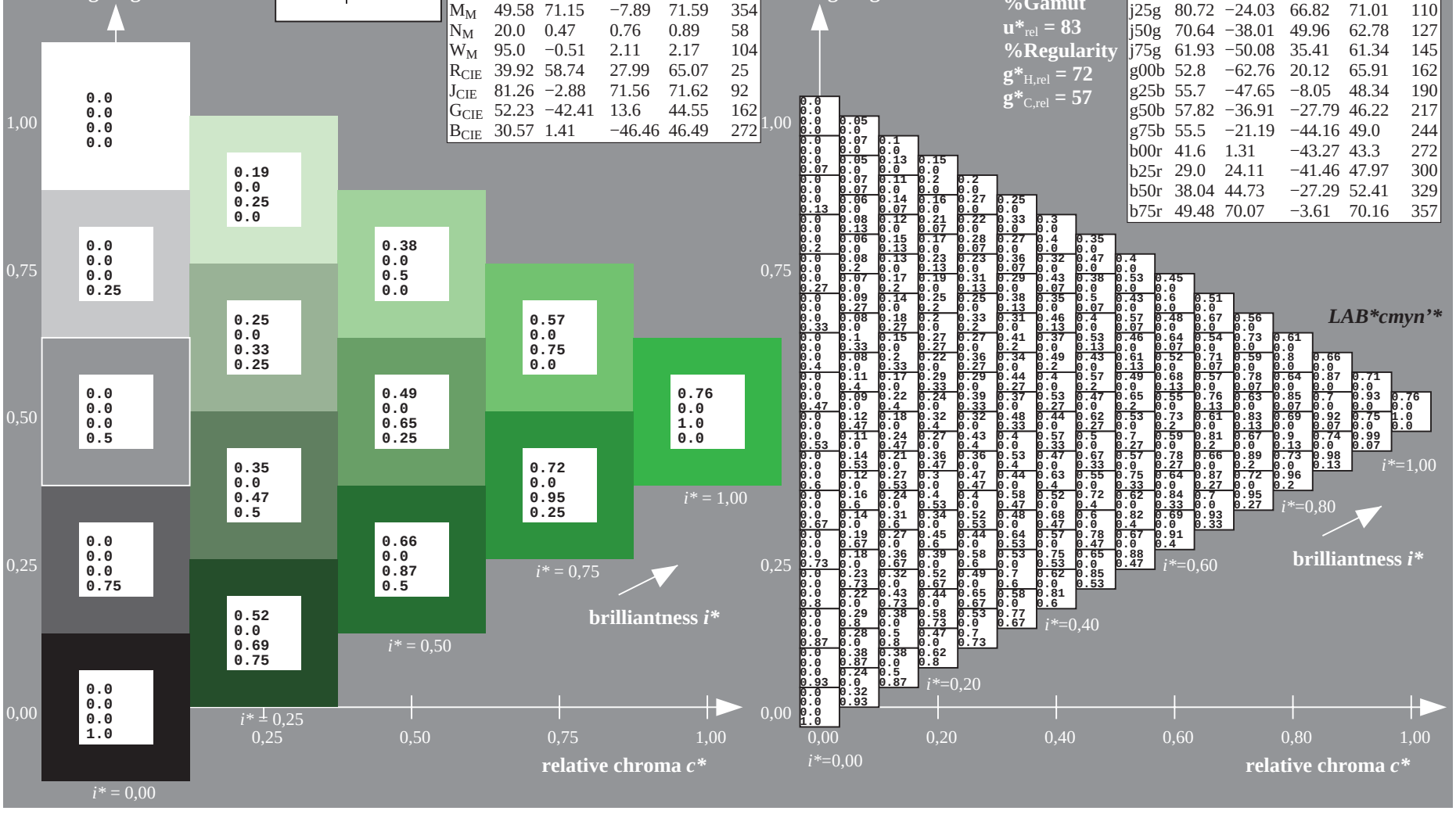
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 62 −49 35**
***LAB*LCH**Ma*: 62 61 145**
***lab*rgb**Ma*: 0.25 1.0 0.0**
***lab*olv**Ma*: 0.24 1.0 0.0**
triangle lightness *t**

u** = j75g
LAB*cmyn'*

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

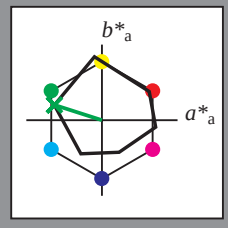
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 162/360 = 0.451**

u = g00b*
*LAB*cmyn'**

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
u = g00b*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

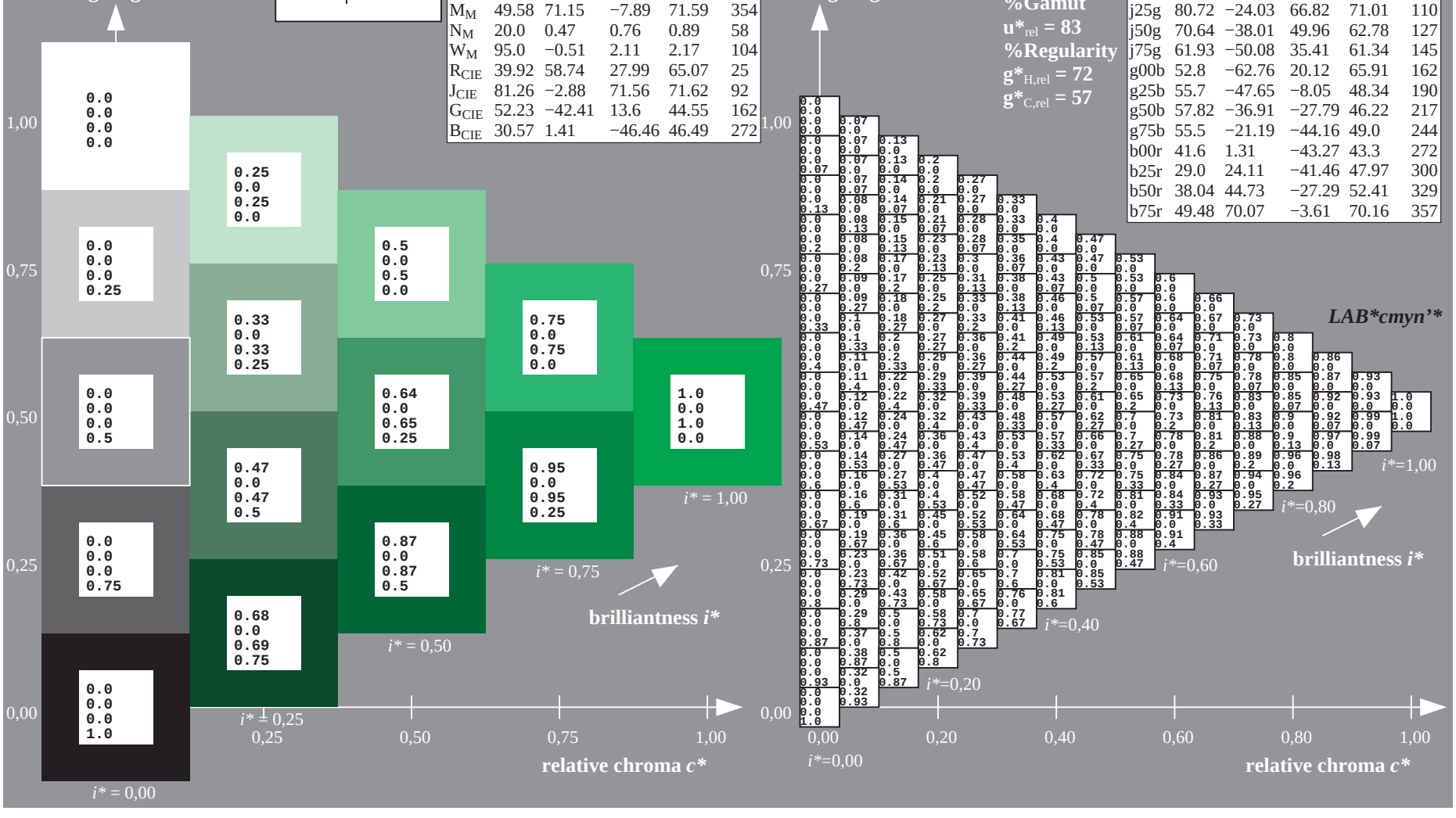
	L*=L*	a*	b*	C*ab	h*ab
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	65.07	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 −62 20
*LAB*LCH**$_{Ma}$: 53 66 162
*lab*rgb**$_{Ma}$: 0.0 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

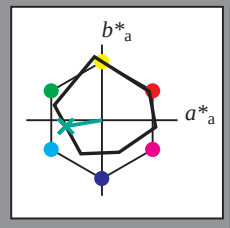
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 190/360 = 0.527**

u** = g25b
LAB*cmyn'*

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u** = g25b
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

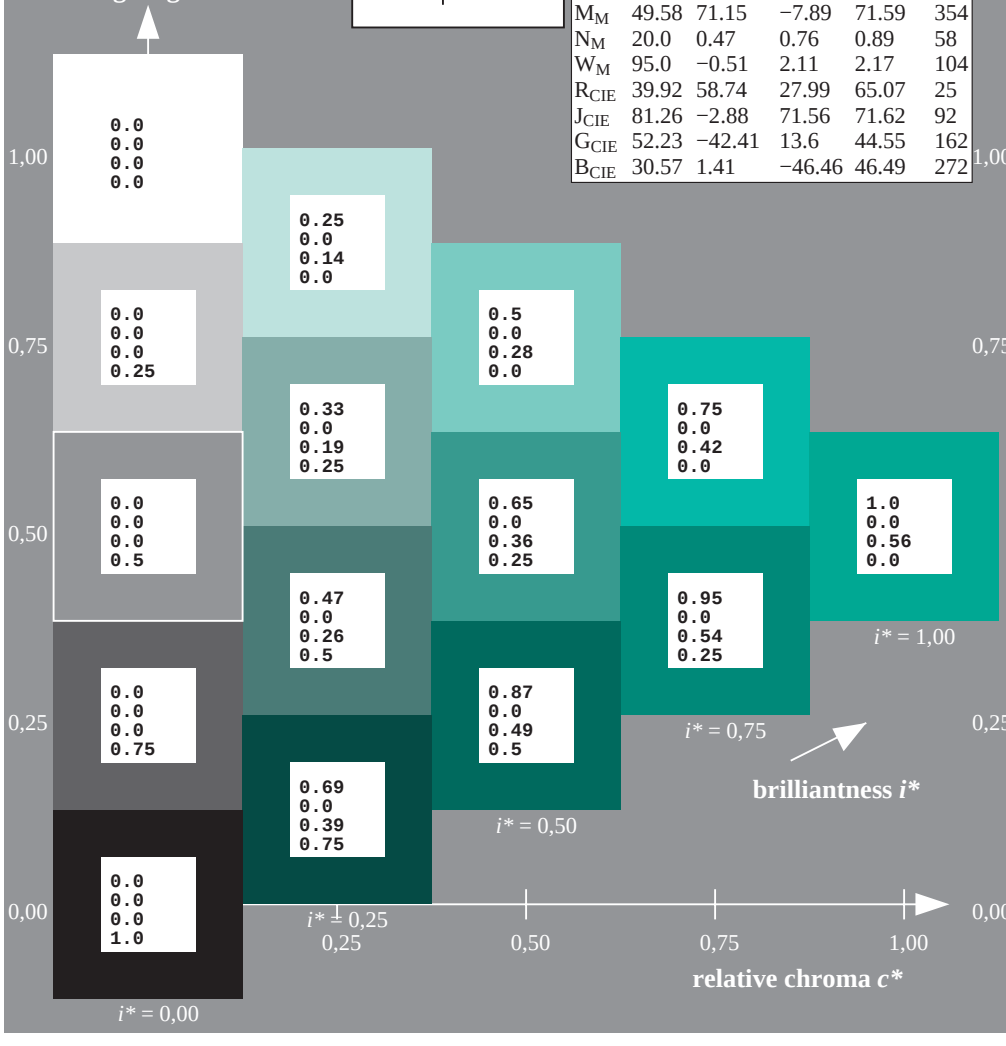
	L*=L*	a*	b*	C*ab	h*ab
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	65.07	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

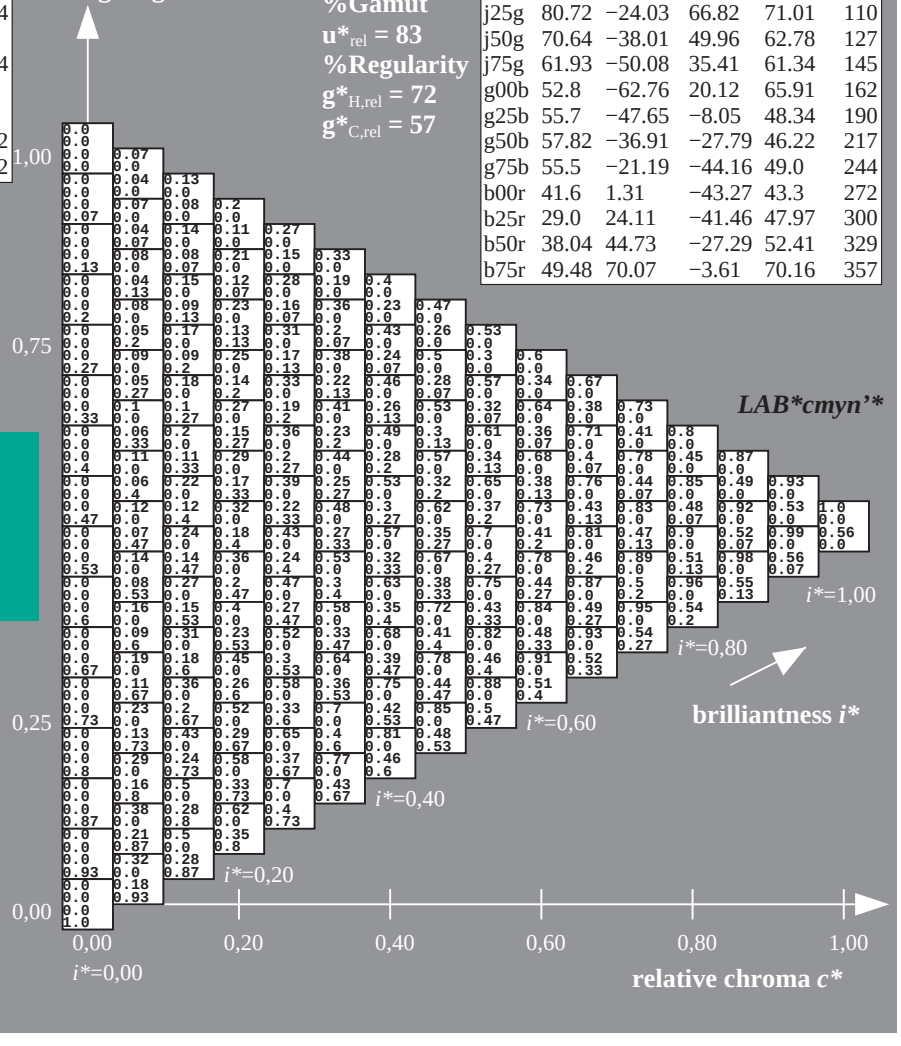
Data for maximum colour (Ma):
LAB*LAB**Ma: 56 −47 −7
LAB*LCH**Ma: 56 48 190
lab*rgb**Ma: 0.0 1.0 0.5
lab*olv**Ma: 0.0 1.0 0.44
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357

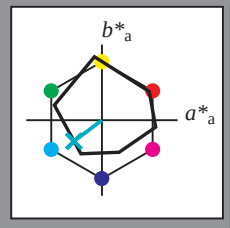




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 217/360 = 0.603**

u** = g50b
LAB*cmyn'*

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u** = g50b
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

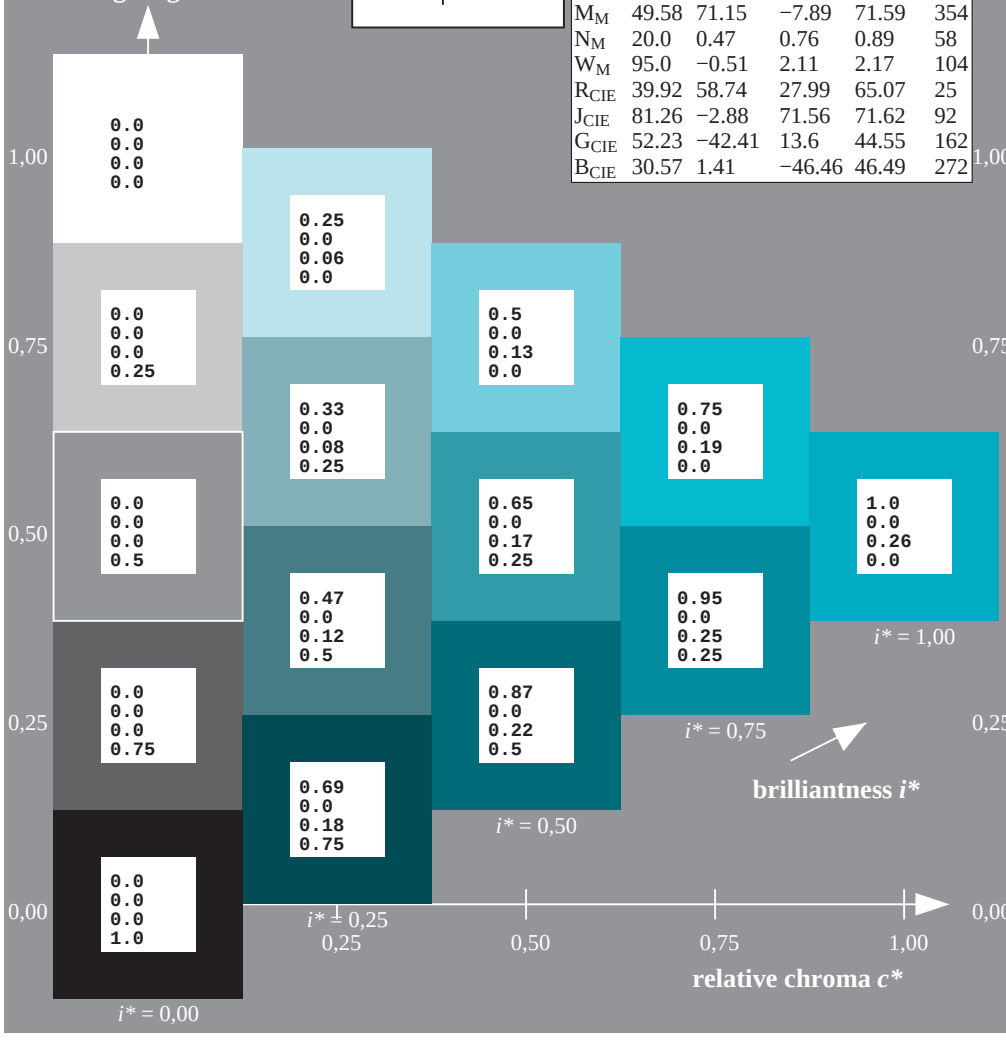
	*L**=*L**	*a**	*b**	*C**$_{ab}$	*h**$_{ab}$
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	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

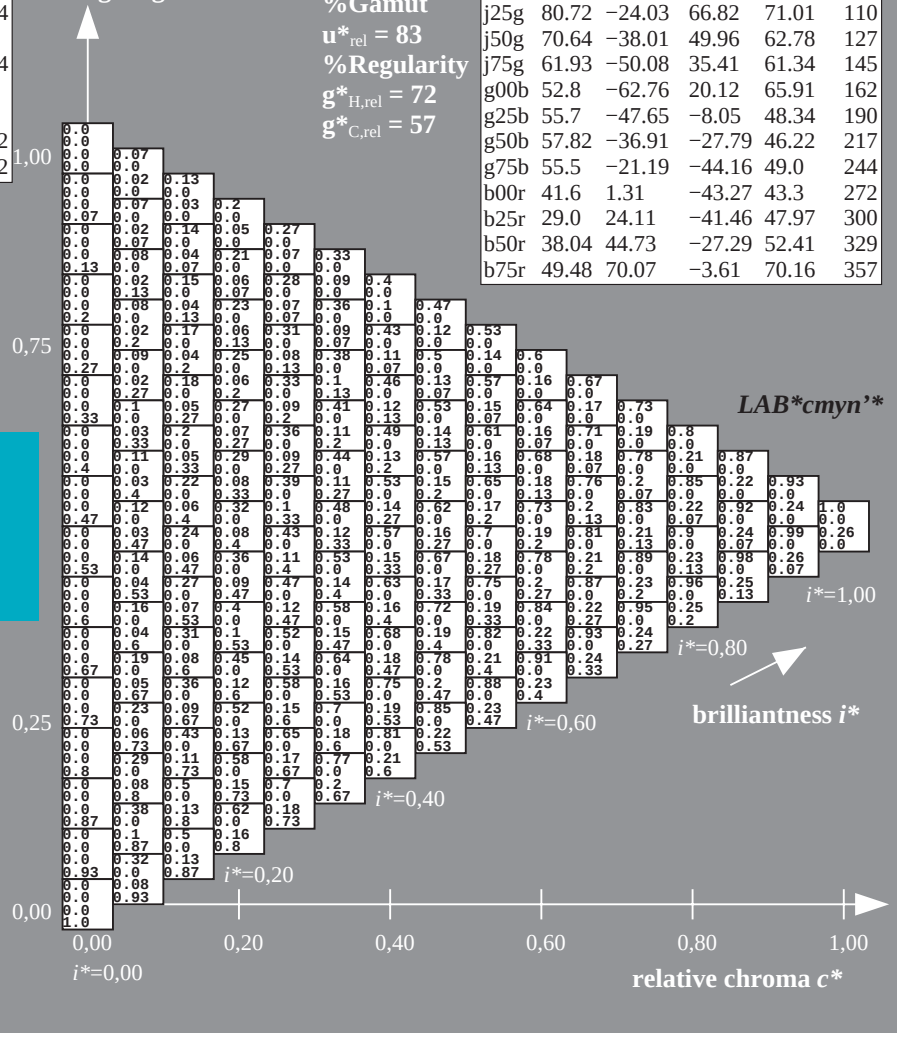
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 58 −36 −27**
***LAB*LCH**$_{Ma}$: 58 46 217**
***lab*rgb**$_{Ma}$: 0.0 1.0 1.0**
***lab*olv**$_{Ma}$: 0.0 1.0 0.74**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

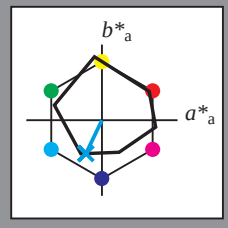
	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

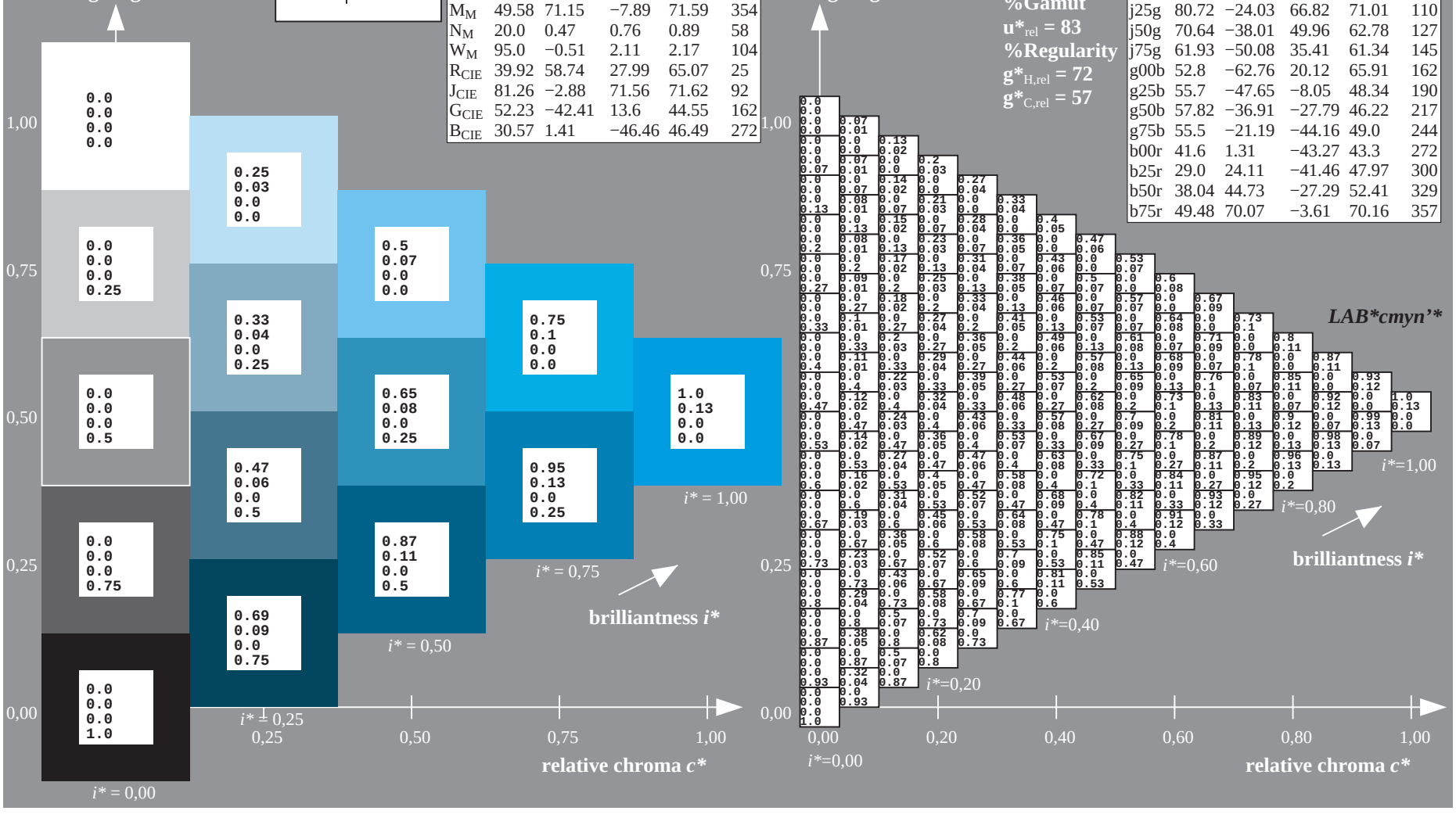
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 55 −20 −43**
***LAB*LCH**Ma*: 55 49 244**
***lab*rgb**Ma*: 0.0 0.5 1.0**
***lab*olv**Ma*: 0.0 0.87 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = g75b
LAB*cmyn'*

ORS20_95a; adapted (a) CIELAB data

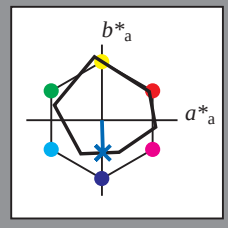
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

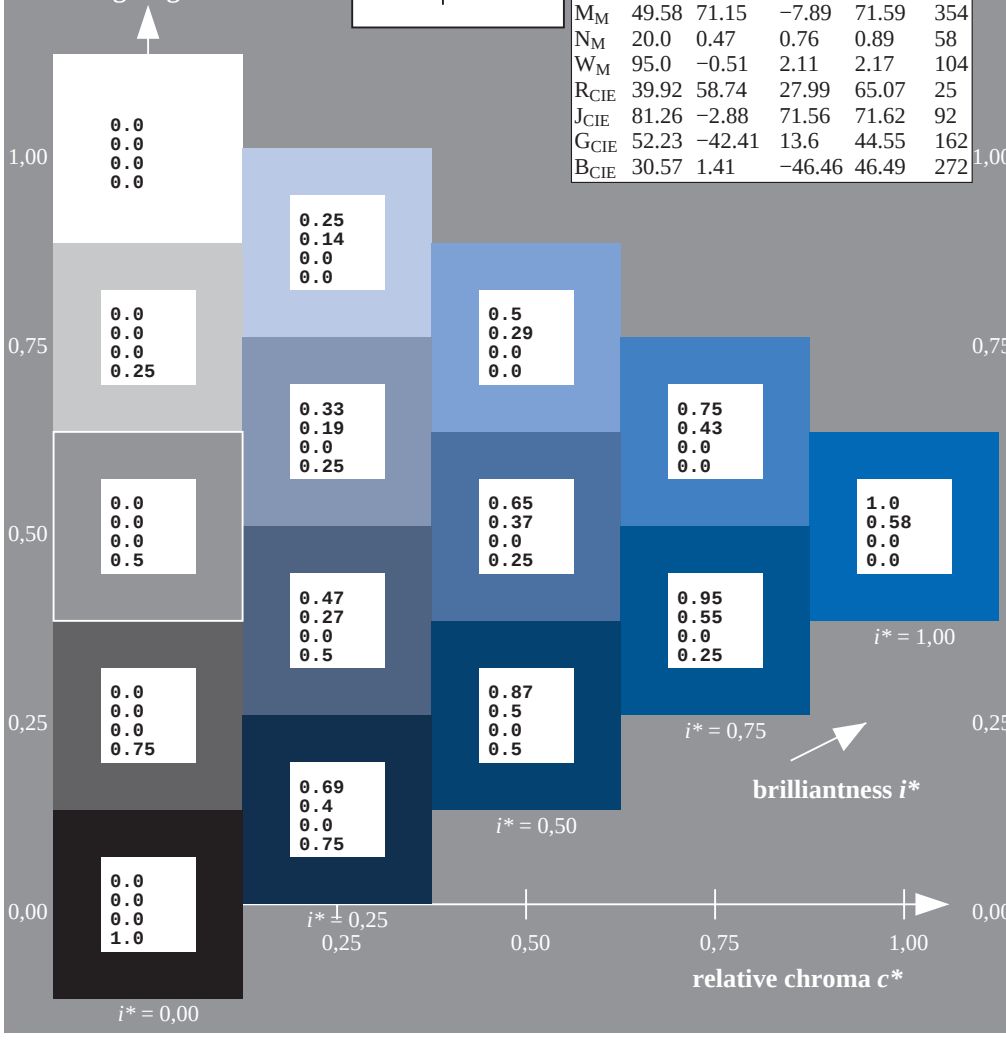
	L*=L*	a*	b*	C*ab	h*ab
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	65.07	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

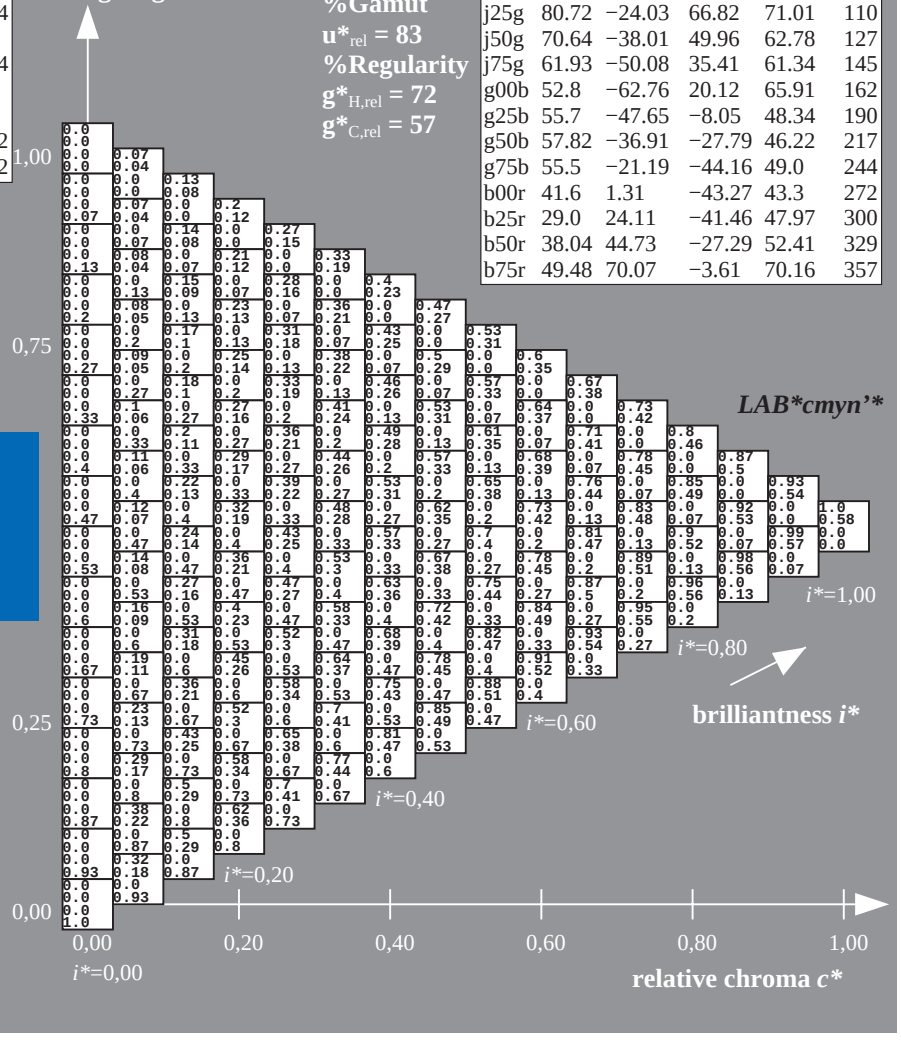
Data for maximum colour (Ma):
LAB*LAB**Ma: 42 1 −42
LAB*LCH**Ma: 42 43 272
lab*rgb**Ma: 0.0 0.0 1.0
lab*olv**Ma: 0.0 0.42 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

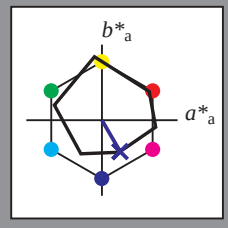
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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

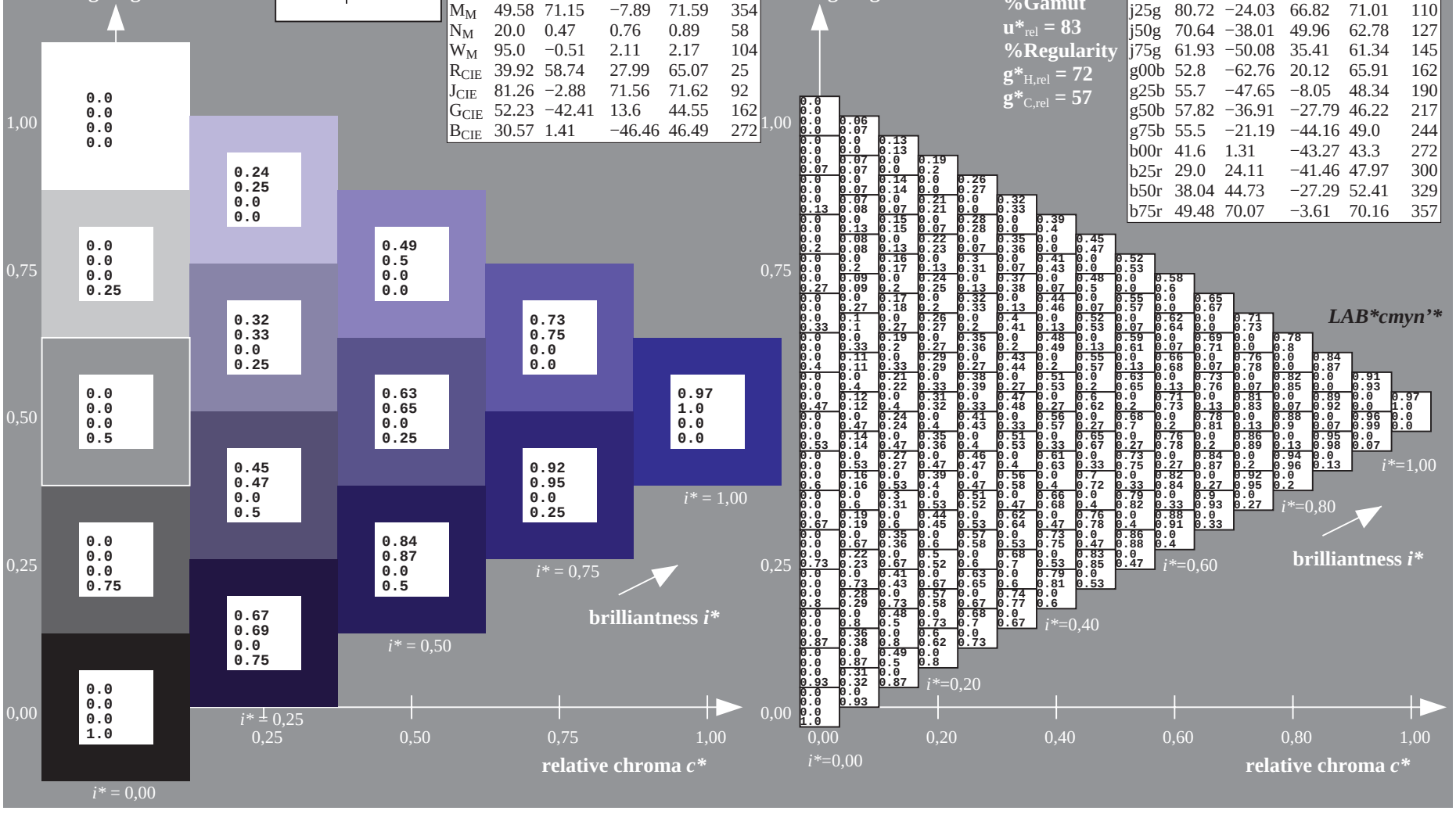
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 29 24 −40**
***LAB*LCH**Ma*: 29 48 300**
***lab*rgb**Ma*: 0.5 0.0 1.0**
***lab*olv**Ma*: 0.03 0.0 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = b25r
LAB*cmyn'*

ORS20_95a; adapted (a) CIELAB data

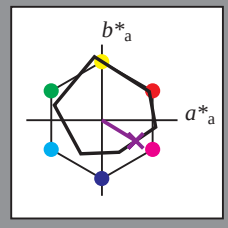
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 329/360 = 0.913**

u** = b50r
LAB*cmyn'*

data for any colour:
lab*tch** and *lab*icu*
elementary hue text:
u** = b50r
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

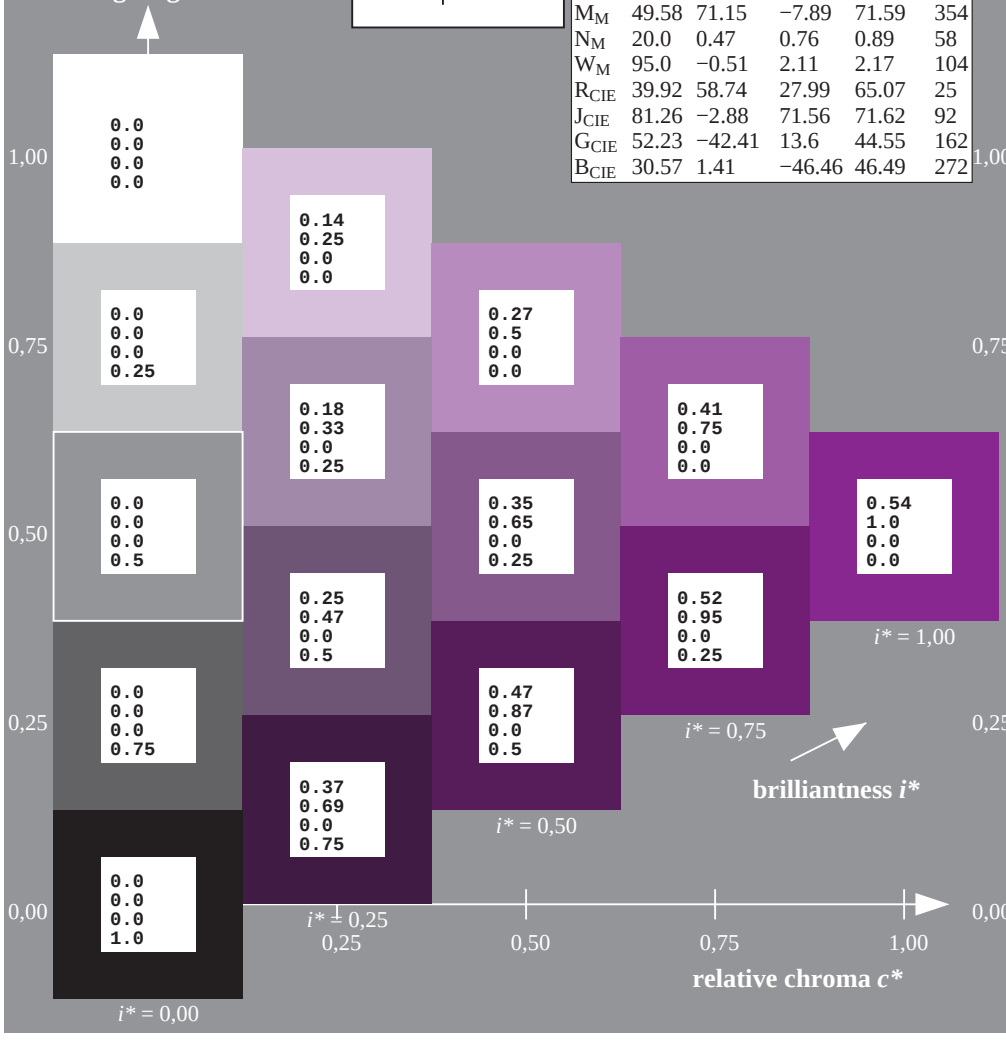
	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	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

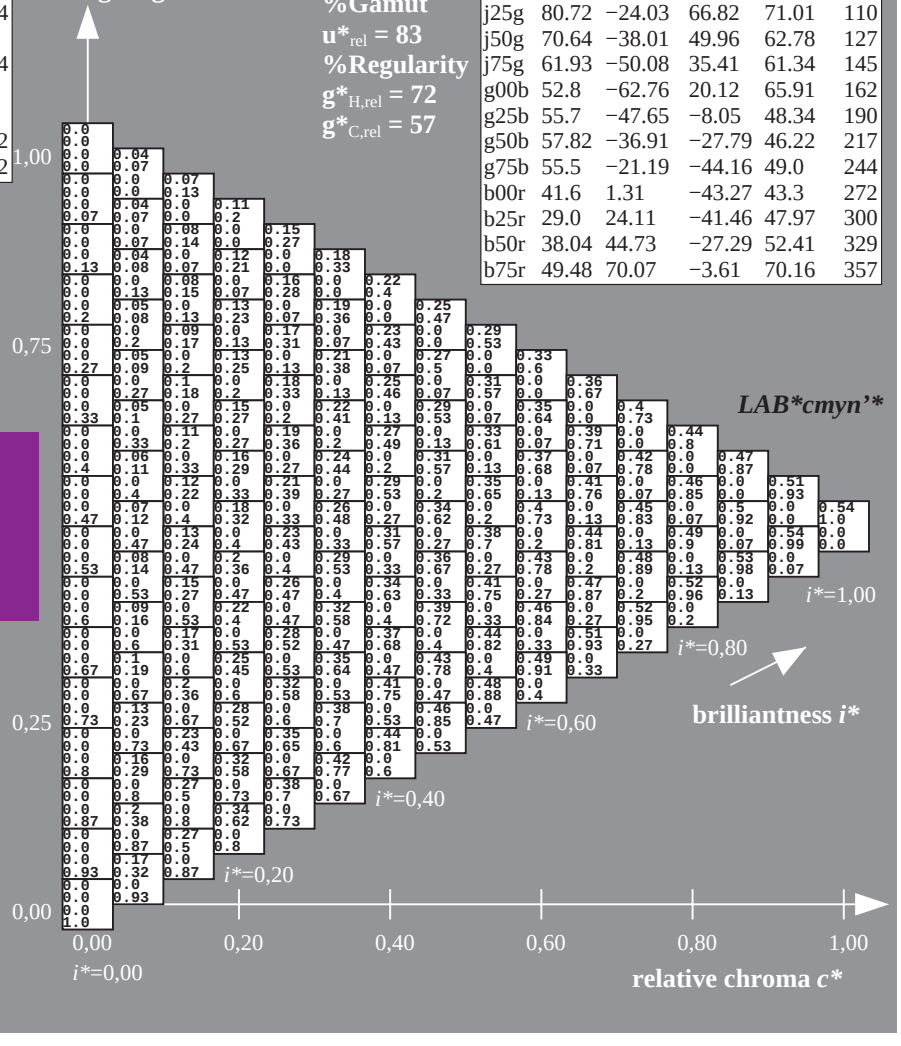
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 38 45 −26**
***LAB*LCH**Ma*: 38 52 329**
***lab*rgb**Ma*: 1.0 0.0 1.0**
***lab*olv**Ma*: 0.46 0.0 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

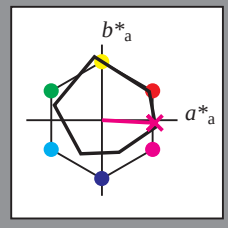
	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357





Input and output: Colorimetric Printer Reflective System ORS20_95a 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 = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

	L=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.75	62.65	39.19	73.89	32
Y_M	90.92	−10.35	85.91	86.53	97
L_M	52.69	−62.87	21.3	66.38	161
C_M	59.61	−27.91	−42.96	51.24	237
V_M	28.39	23.07	−41.5	47.5	299
M_M	49.58	71.15	−7.89	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.51	2.11	2.17	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 70 −3**
***LAB*LCH**Ma*: 49 70 357**
***lab*rgb**Ma*: 1.0 0.0 0.5**
***lab*olv**Ma*: 1.0 0.0 0.88**
triangle lightness *t**

%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u** = b75r
LAB*cmyn'*

ORS20_95a; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
r00j	48.88	63.91	30.45	70.79	25
r25j	55.85	50.36	45.65	67.97	42
r50j	65.45	33.86	56.12	65.54	59
r75j	75.19	17.13	66.73	68.89	76
j00g	87.03	−3.21	79.64	79.7	92
j25g	80.72	−24.03	66.82	71.01	110
j50g	70.64	−38.01	49.96	62.78	127
j75g	61.93	−50.08	35.41	61.34	145
g00b	52.8	−62.76	20.12	65.91	162
g25b	55.7	−47.65	−8.05	48.34	190
g50b	57.82	−36.91	−27.79	46.22	217
g75b	55.5	−21.19	−44.16	49.0	244
b00r	41.6	1.31	−43.27	43.3	272
b25r	29.0	24.11	−41.46	47.97	300
b50r	38.04	44.73	−27.29	52.41	329
b75r	49.48	70.07	−3.61	70.16	357