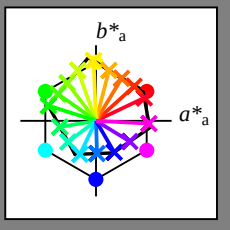
Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 0.96

ORS20_95a; adapted (a) CIELAB data

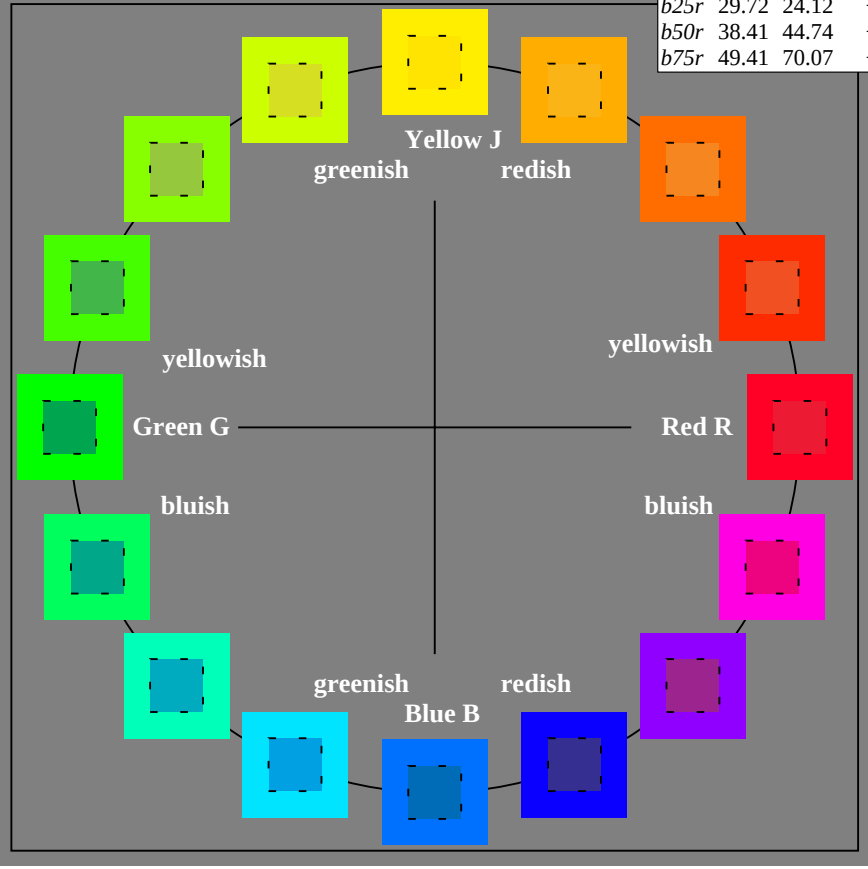
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*

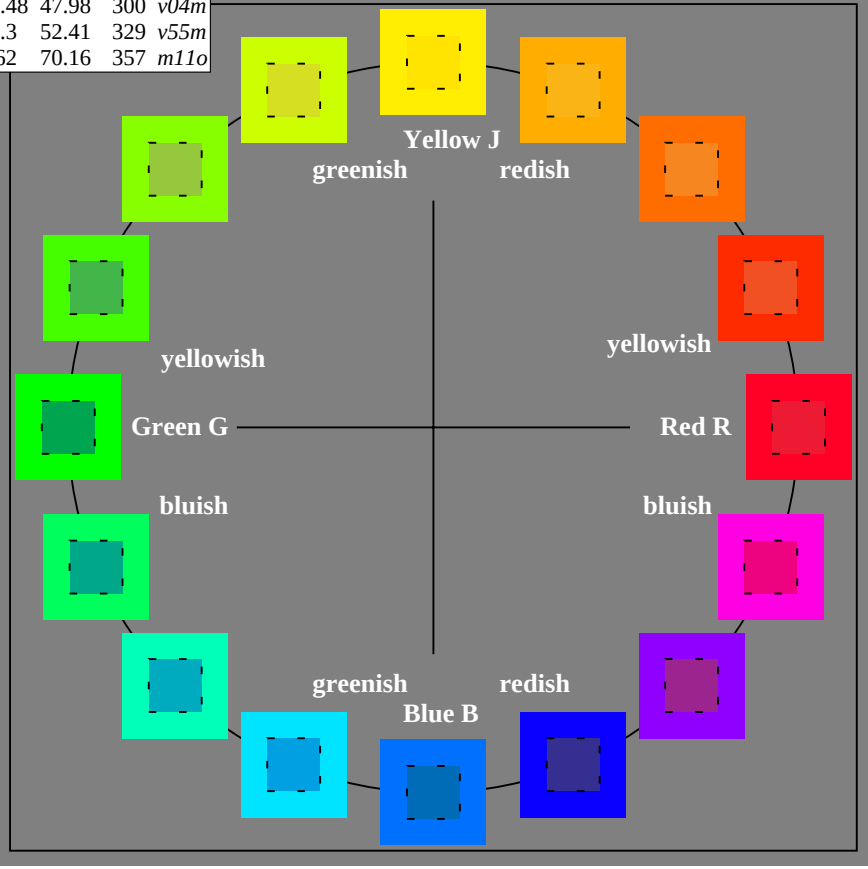


%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

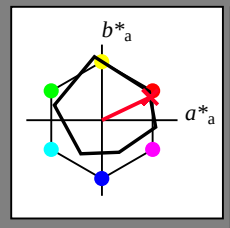
Name	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.071** **u^*_e = *r00j***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r00j* u^*_d = *m84o*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

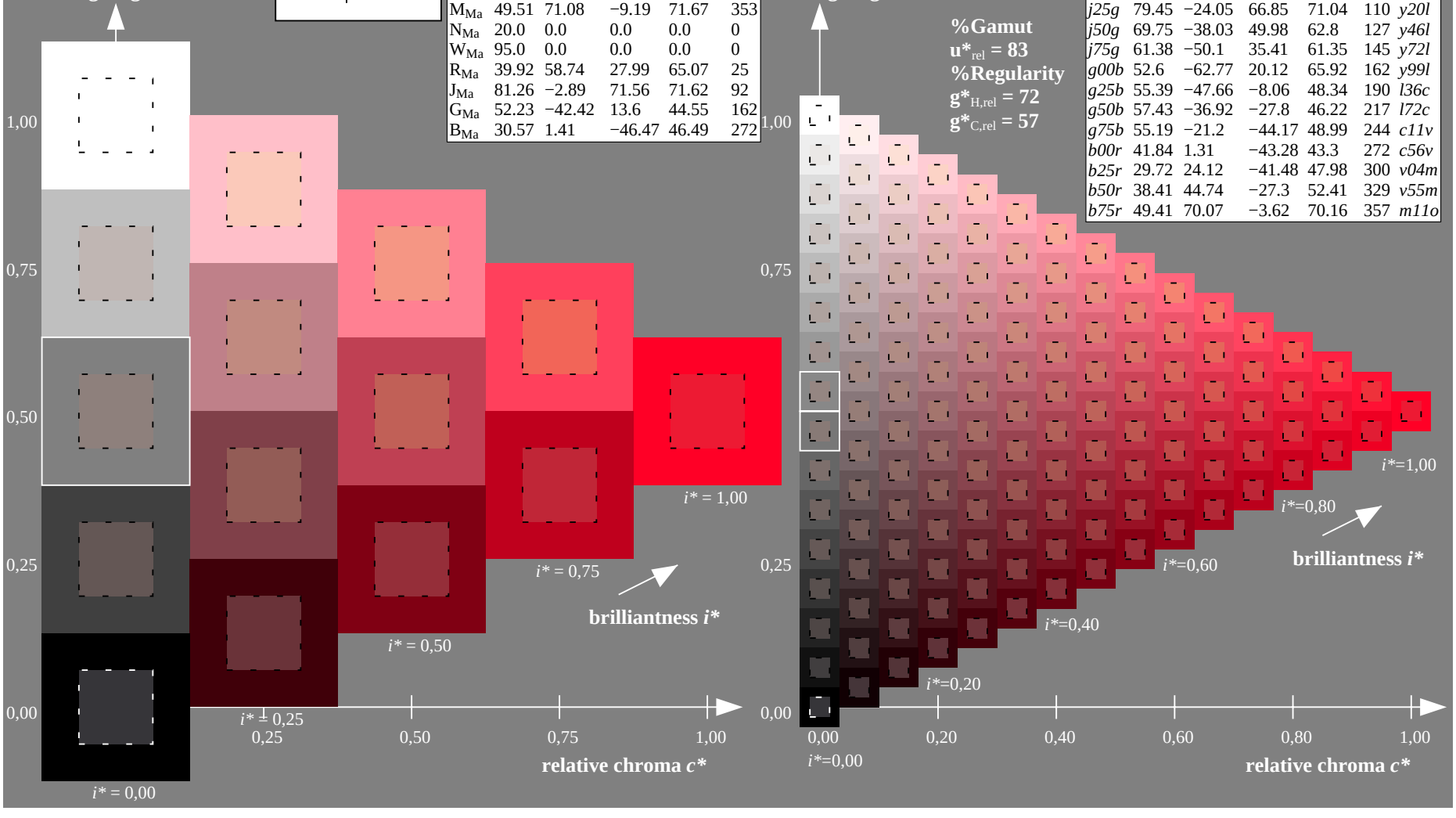
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 49 64 30**
LAB*LCH*$_{Ma}$**: 49 71 25**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.15**
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

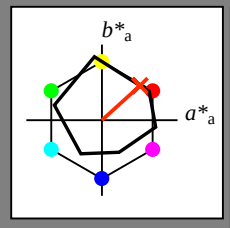
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

u*e = r25j

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*e = r25j ***u*d = o17y***
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

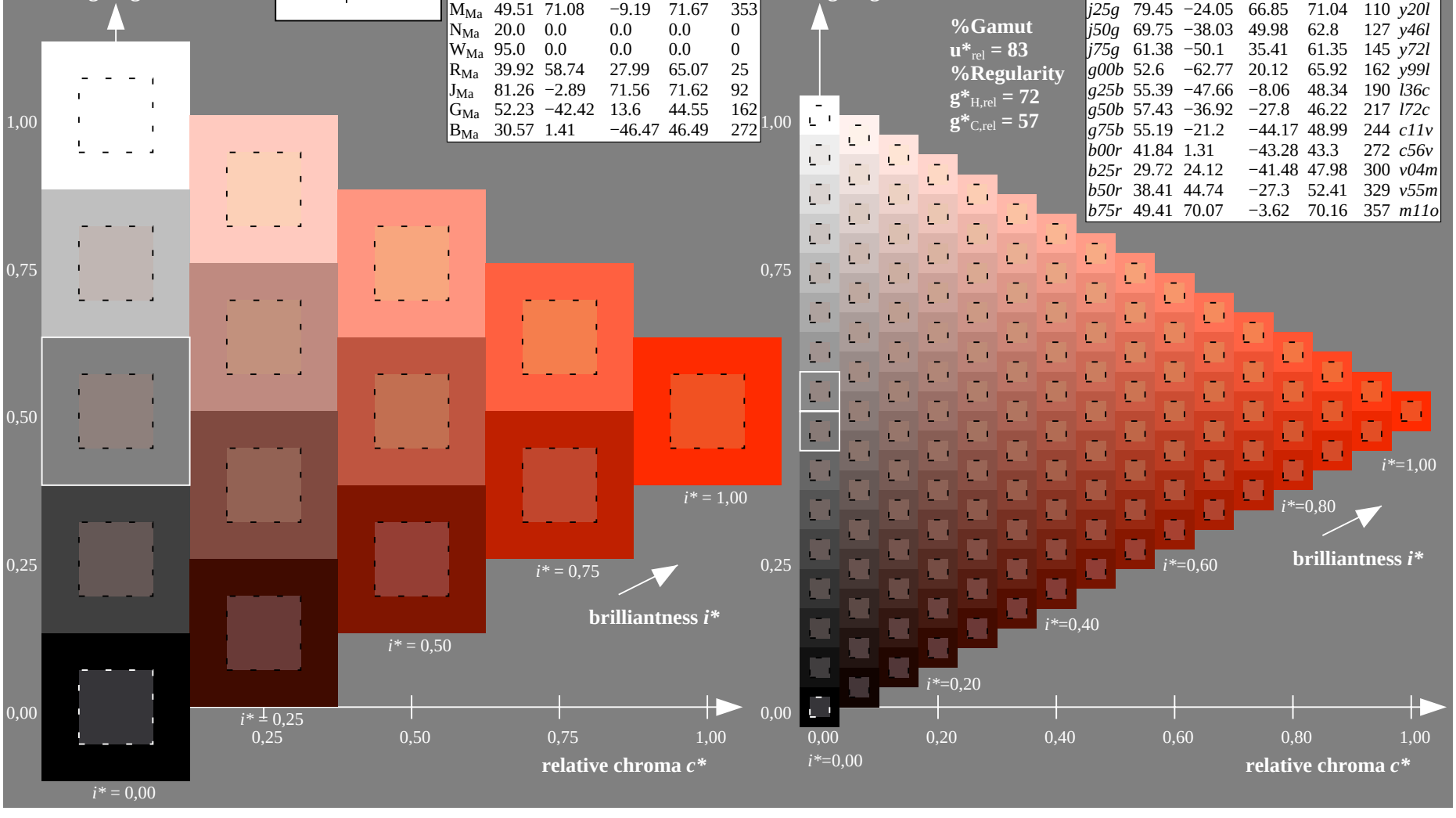
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 56 50 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

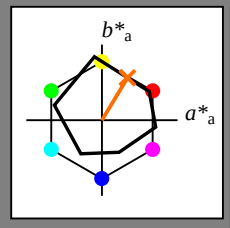
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164** **u^*_e = *r50j***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r50j* u^*_d = *o42y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

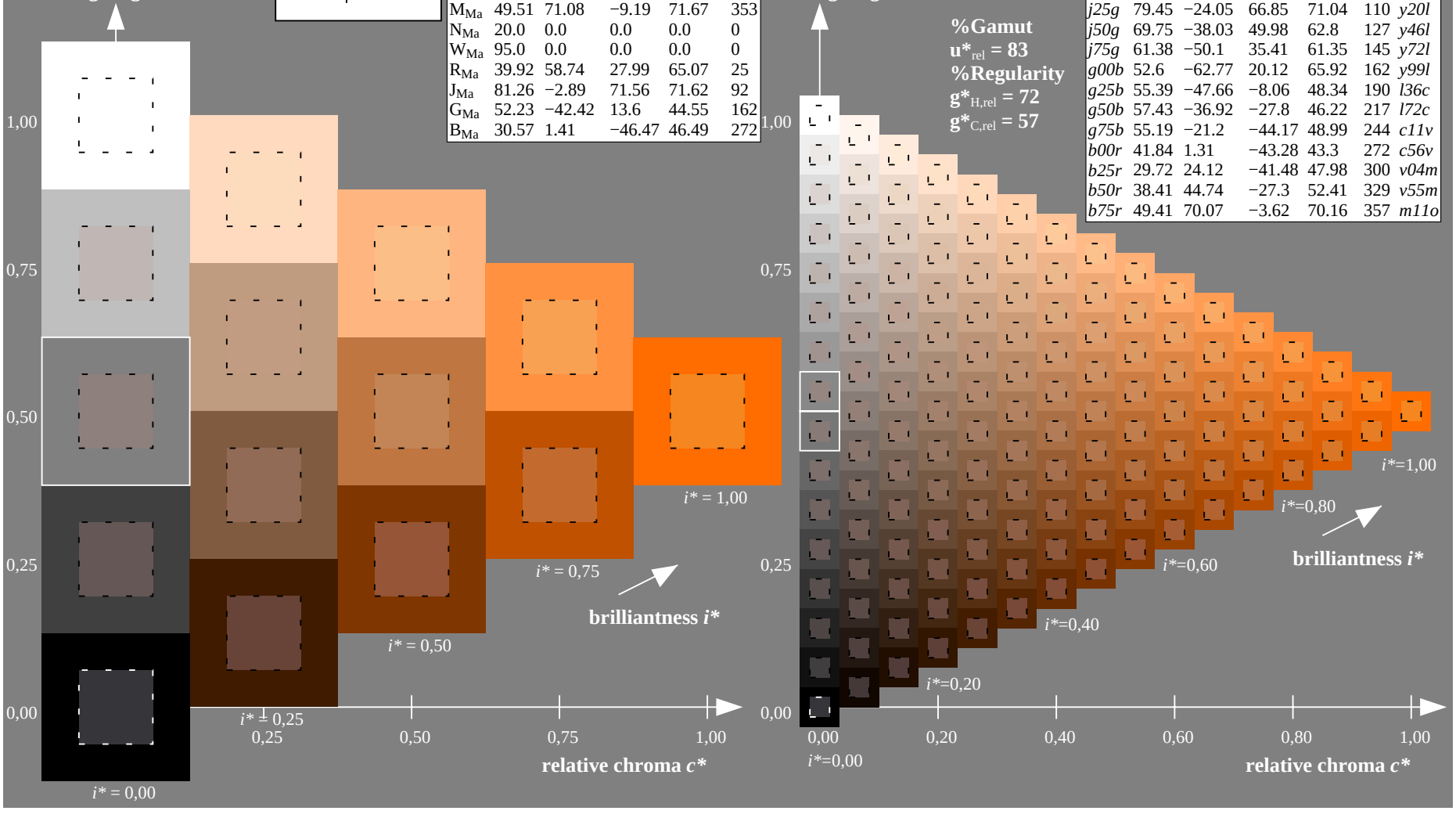
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 65 34 56**
LAB*LCH*$_{Ma}$**: 65 66 58**
lab*rgb*$_{Ma}$**: 1.0 0.5 0.0**
lab*olv*$_{Ma}$**: 1.0 0.42 0.0**
triangle lightness *t**

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

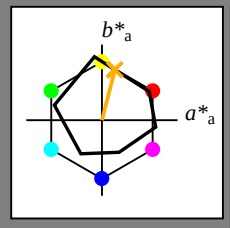
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.21** **u^*_e = *r75j***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r75j* u^*_d = *o67y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

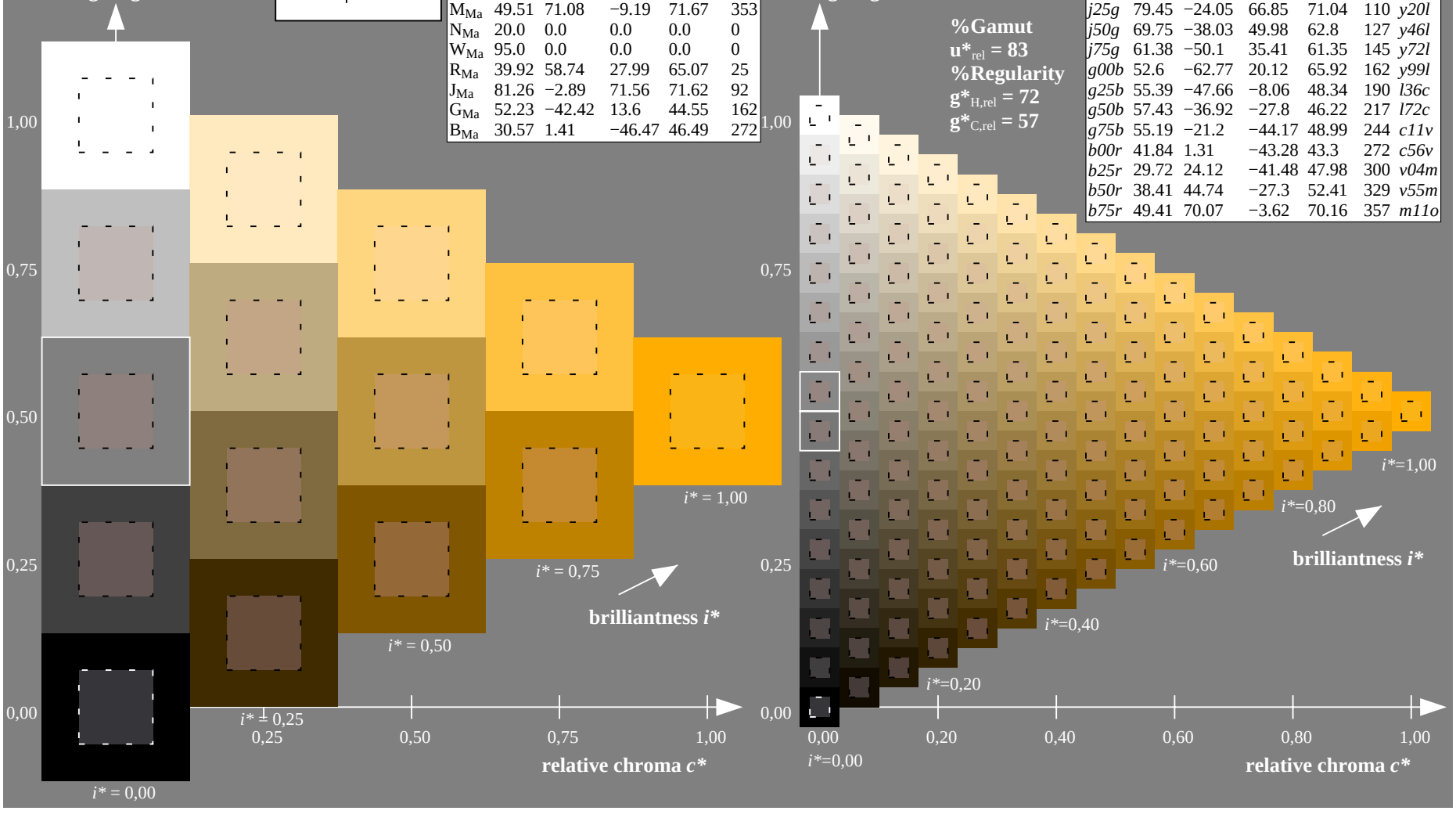
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 74 17 67**
LAB*LCH*$_{Ma}$**: 74 69 75**
lab*rgb*$_{Ma}$**: 1.0 0.75 0.0**
lab*olv*$_{Ma}$**: 1.0 0.68 0.0**
triangle lightness *t**

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

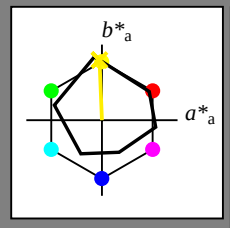
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.256** **u^*_e = *j00g***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j00g* u^*_d = *o92y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

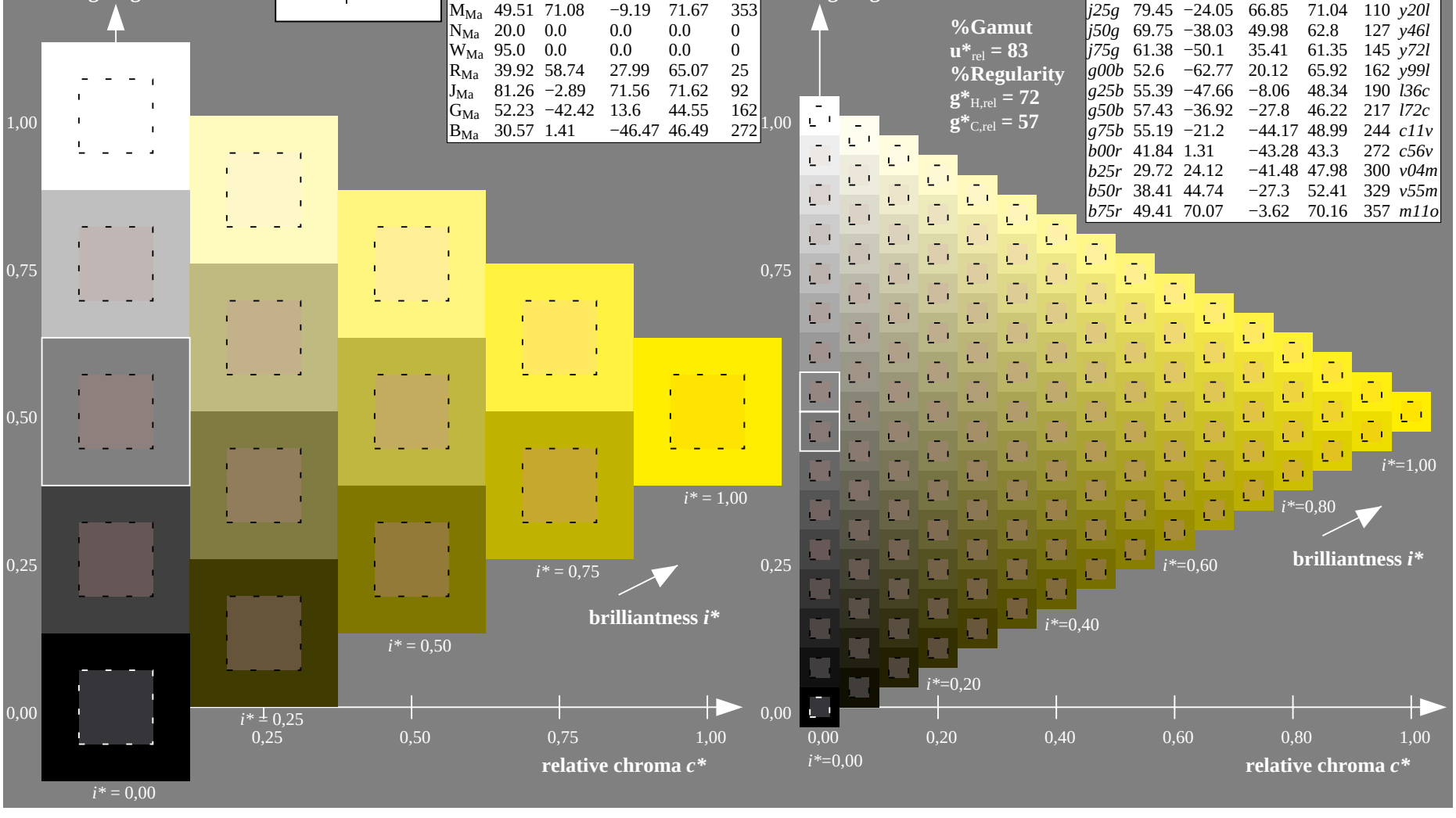
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 86 −3 80**
LAB*LCH*$_{Ma}$**: 86 80 92**
lab*rgb*$_{Ma}$**: 1.0 1.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.93 0.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*

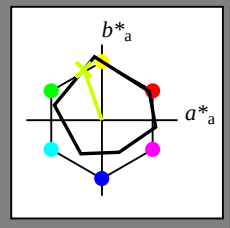
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57



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

u*e = j25g

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
u*e = j25g ***u*d = y20l***
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

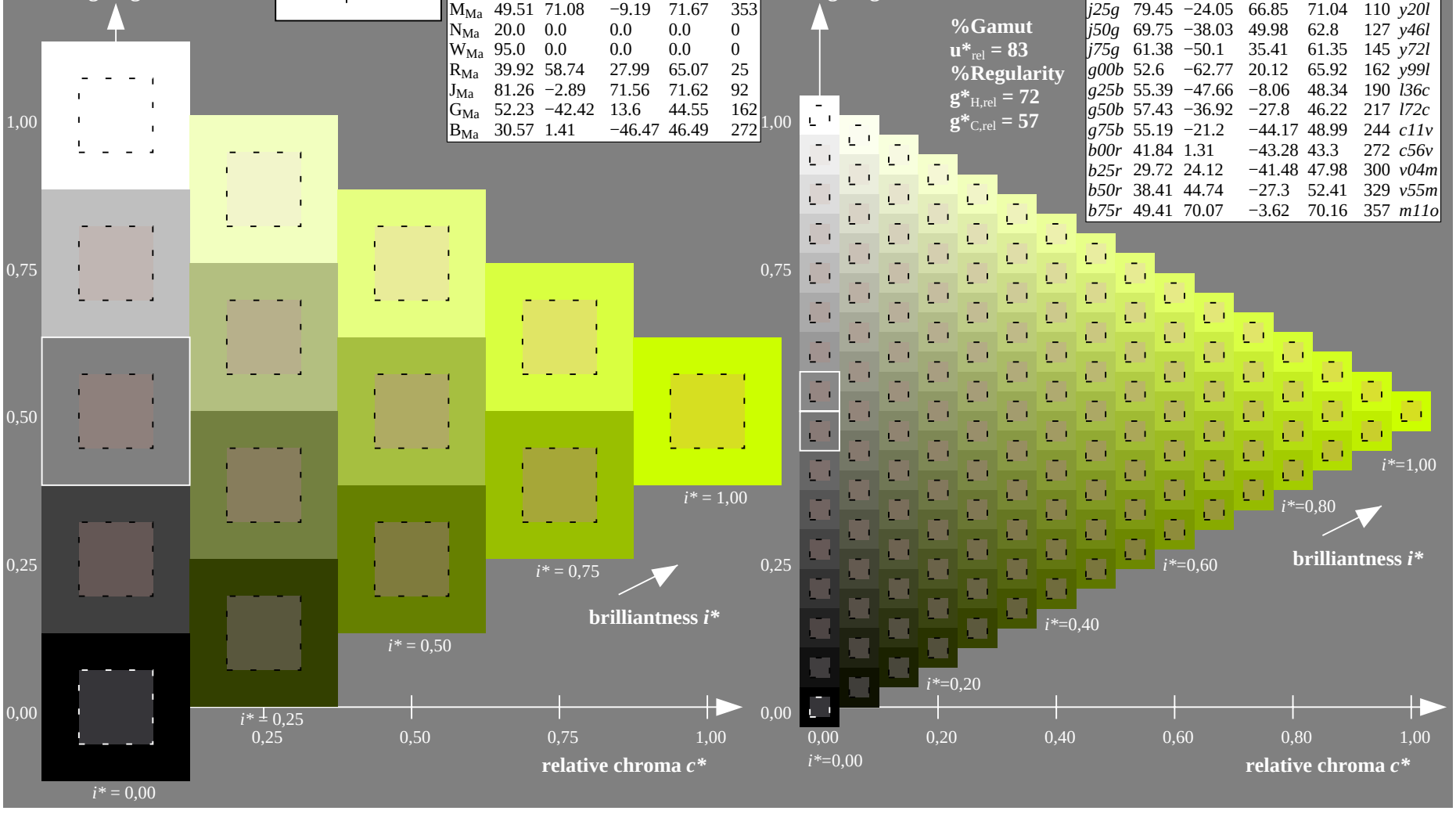
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB**Ma*: 79 −24 67**
***LAB*LCH**Ma*: 79 71 109**
***lab*rgb**Ma*: 0.75 1.0 0.0**
***lab*olv**Ma*: 0.8 1.0 0.0**
triangle lightness *t**

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

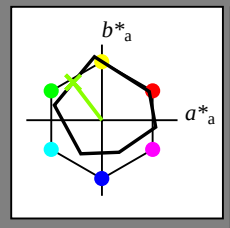
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.354** **u^*_e = *j50g***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j50g* u^*_d = *y46l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

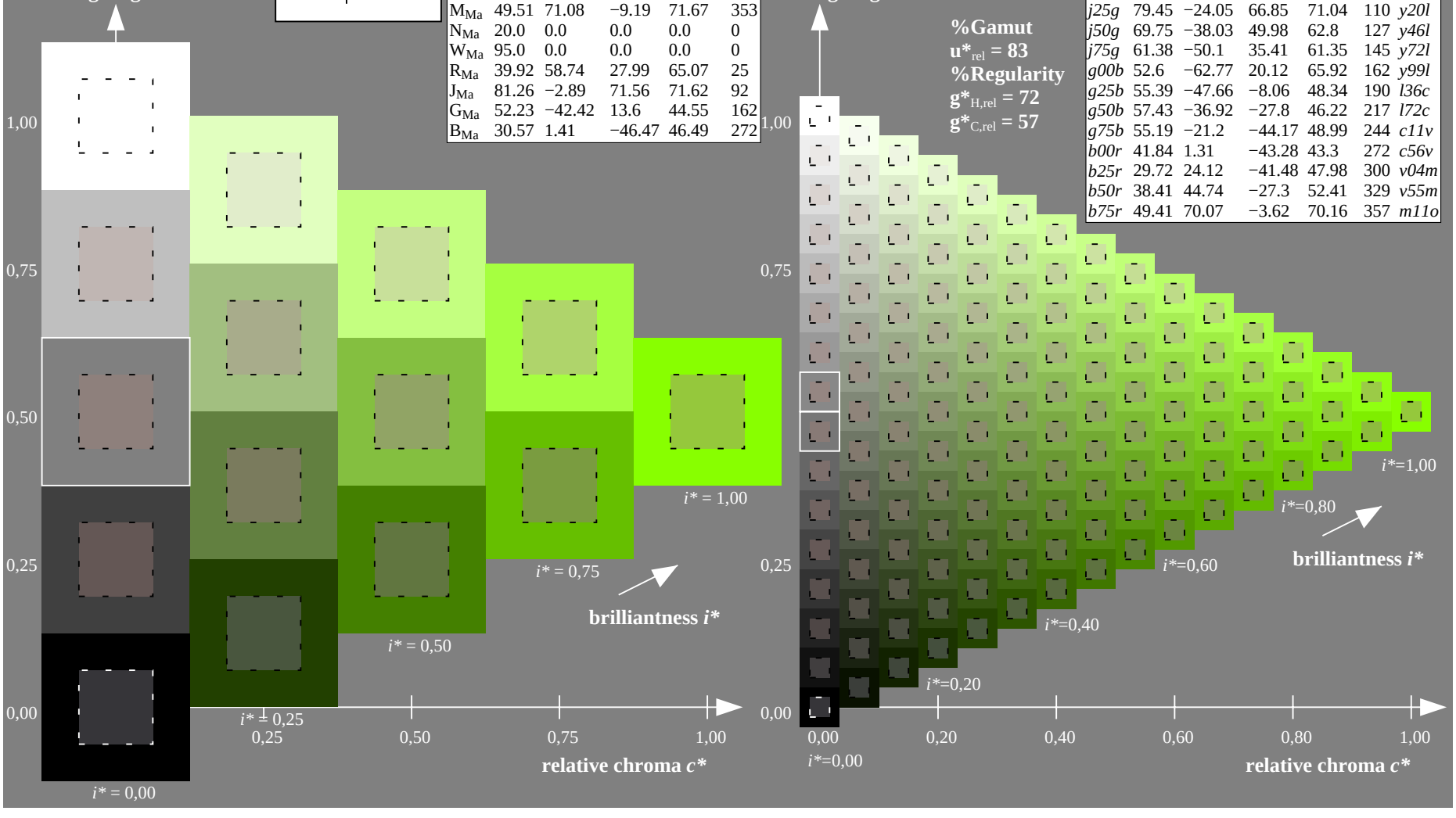
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 70 −38 50**
LAB*LCH*$_{Ma}$**: 70 63 127**
lab*rgb*$_{Ma}$**: 0.5 1.0 0.0**
lab*olv*$_{Ma}$**: 0.54 1.0 0.0**
triangle lightness *t**

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

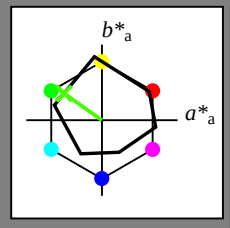
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.402** **u^*_e = *j75g***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j75g* u^*_d = *y72l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

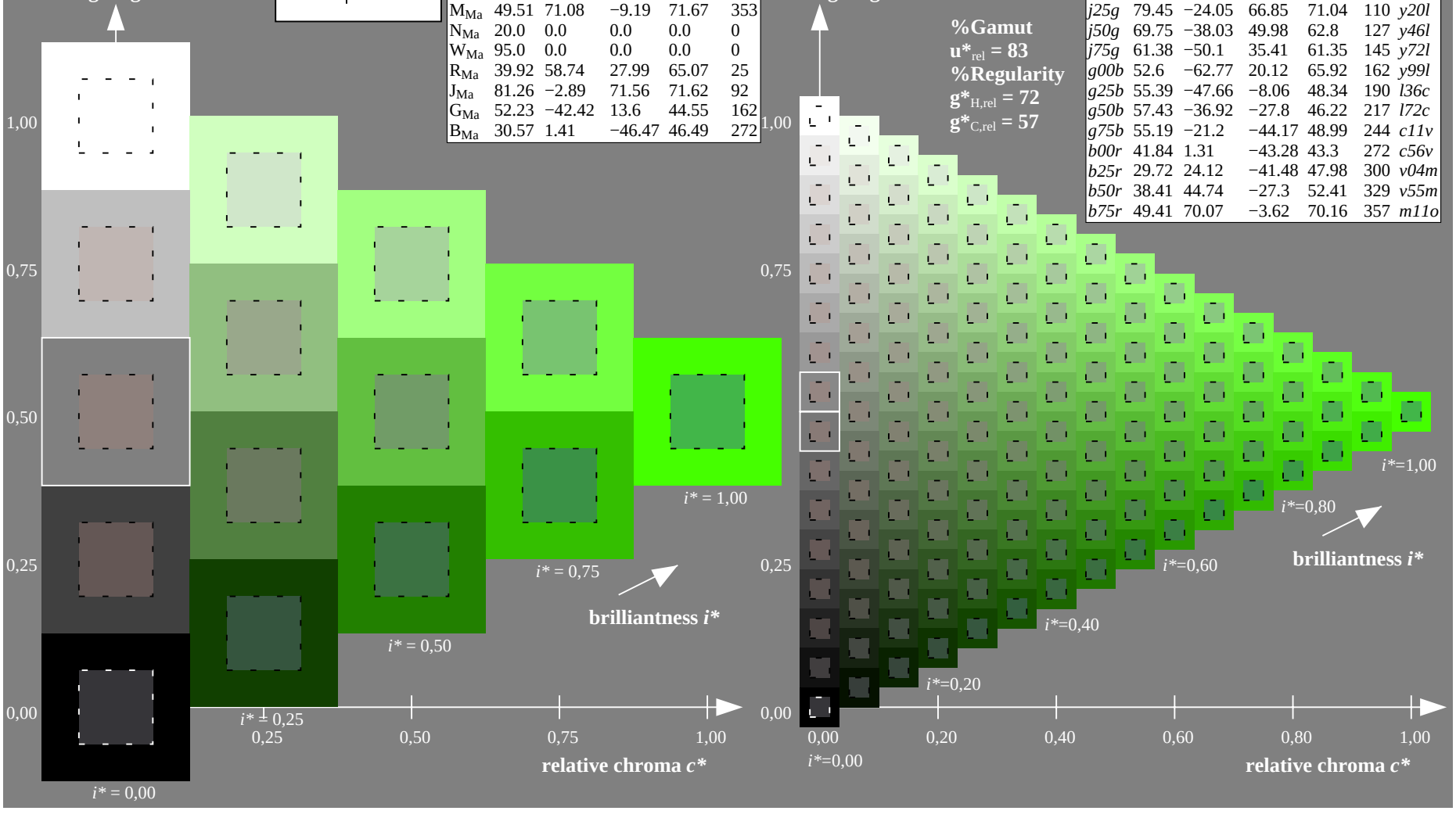
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 61 −50 35**
LAB*LCH*$_{Ma}$**: 61 61 144**
lab*rgb*$_{Ma}$**: 0.25 1.0 0.0**
lab*olv*$_{Ma}$**: 0.27 1.0 0.0**
triangle lightness *t**

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

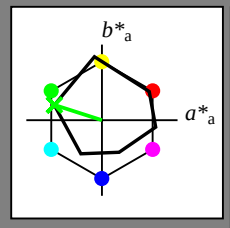
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.451** **u^*_e = *g00b***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *g00b* u^*_d = *y99l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

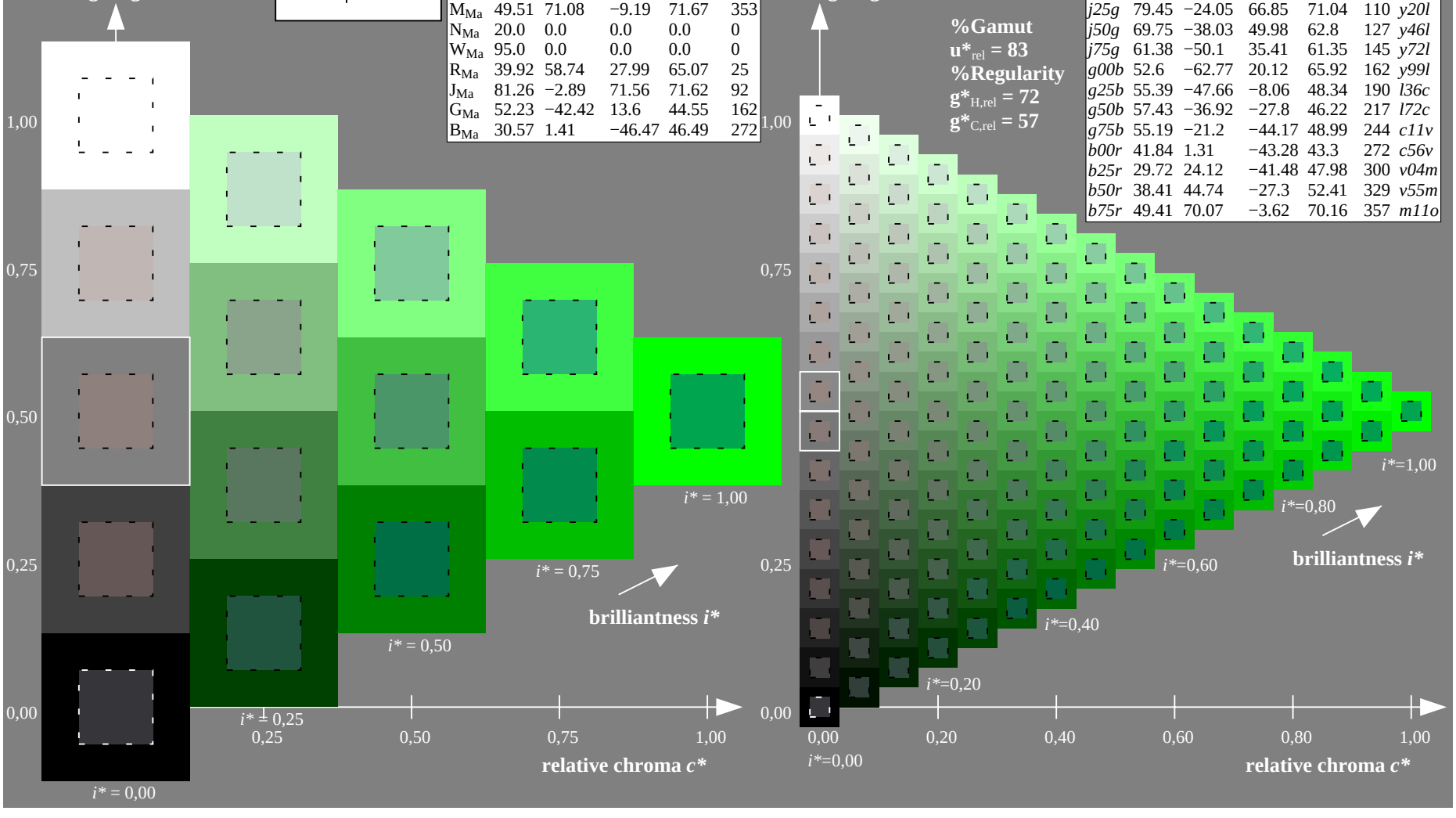
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 53 −63 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

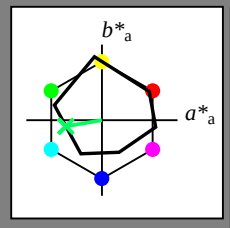
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.527** **$u^*_e = g25b$**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_e = g25b$ $u^*_d = l36c$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

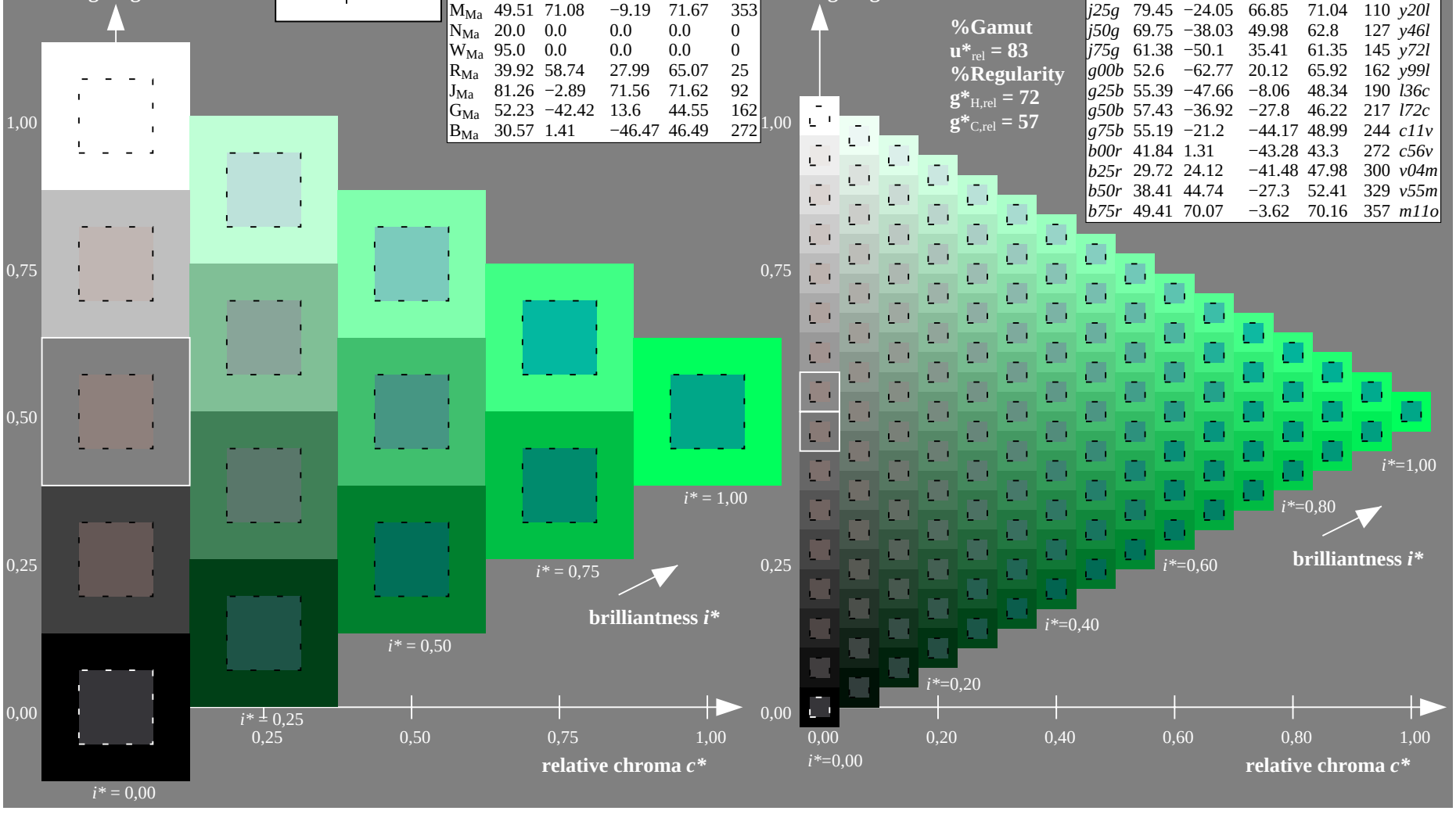
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 55 −48 −8**
LAB*LCH*$_{Ma}$**: 55 48 189**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.5**
lab*olv*$_{Ma}$**: 0.0 1.0 0.36**
triangle lightness *t**

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

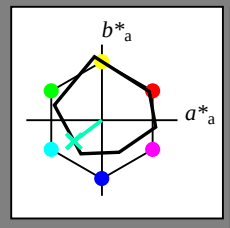
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.603** **$u^*_e = g50b$**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_e = g50b$ $u^*_d = l72c$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

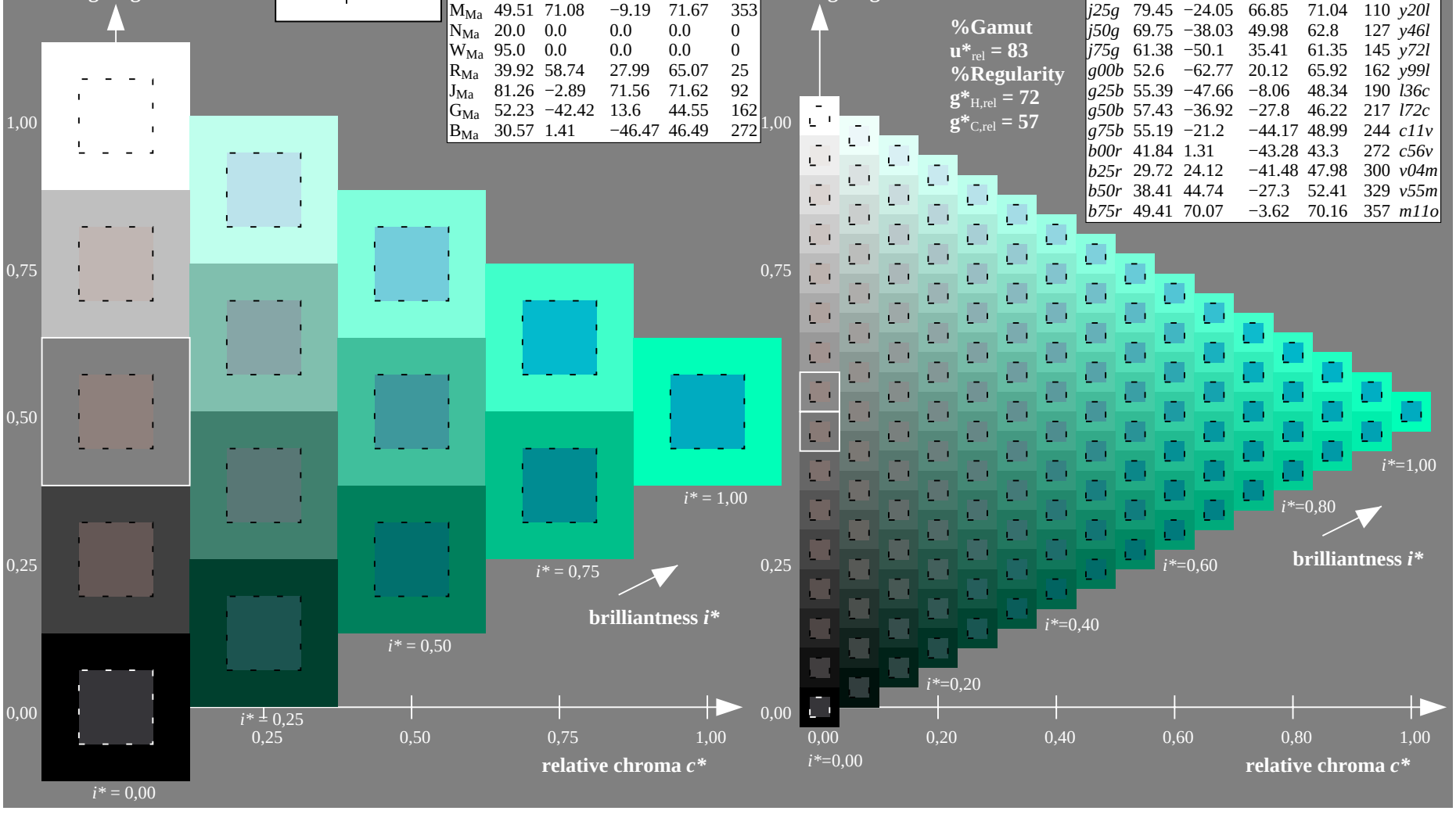
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 57 −37 −28**
LAB*LCH*$_{Ma}$**: 57 46 216**
lab*rgb*$_{Ma}$**: 0.0 1.0 1.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.72**
triangle lightness *t**

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

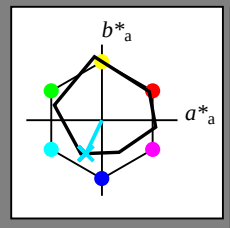
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.679** **u^*_e = *g75b***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *g75b* u^*_d = *c11v*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

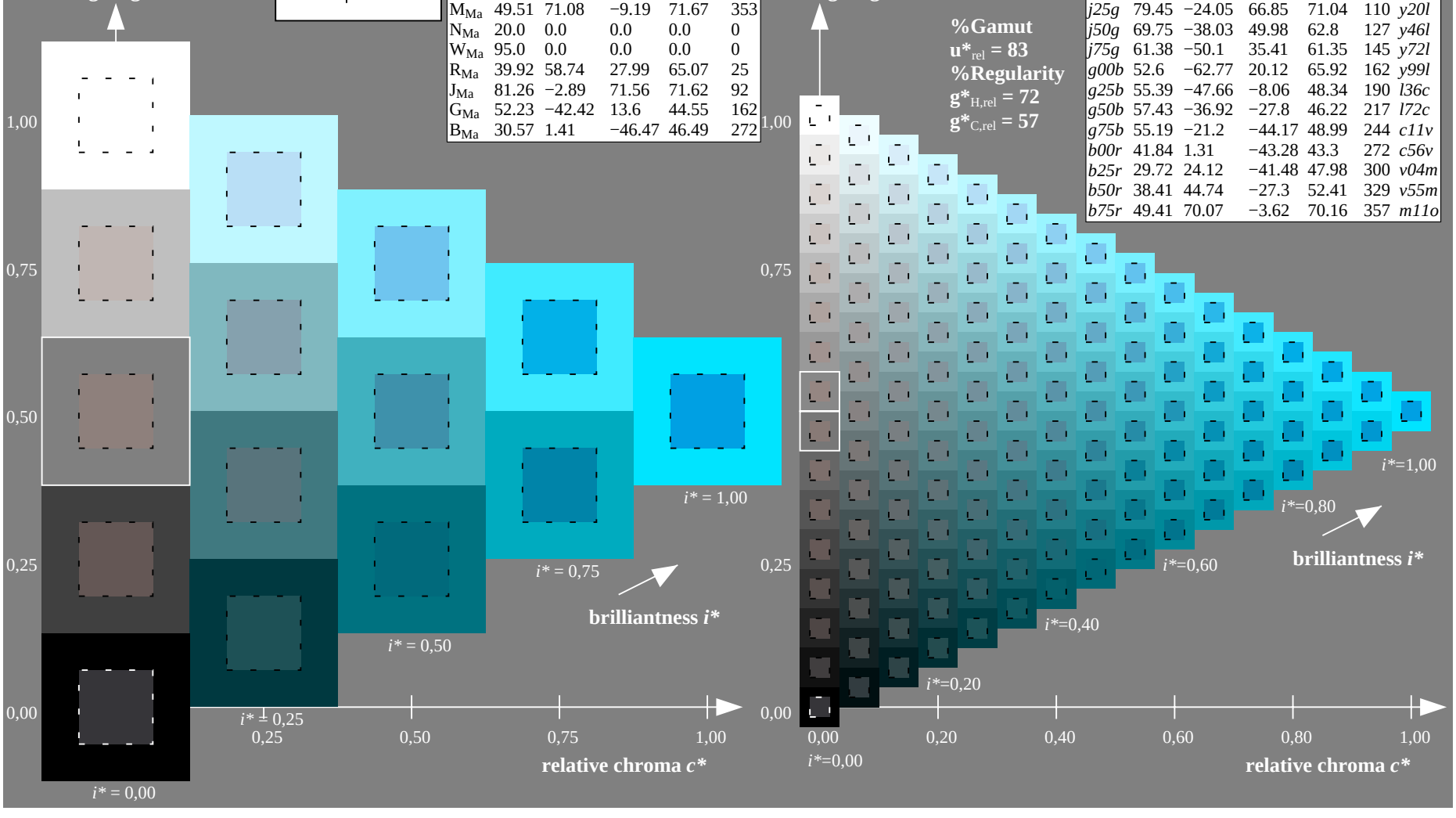
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 55 −21 −44**
LAB*LCH*$_{Ma}$**: 55 49 244**
lab*rgb*$_{Ma}$**: 0.0 0.5 1.0**
lab*olv*$_{Ma}$**: 0.0 0.89 1.0**
triangle lightness *t**

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

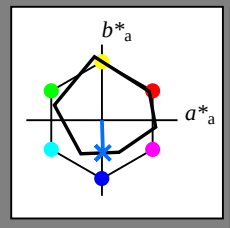
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.755** **u^*_e = *b00r***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *b00r* u^*_d = *c56v*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

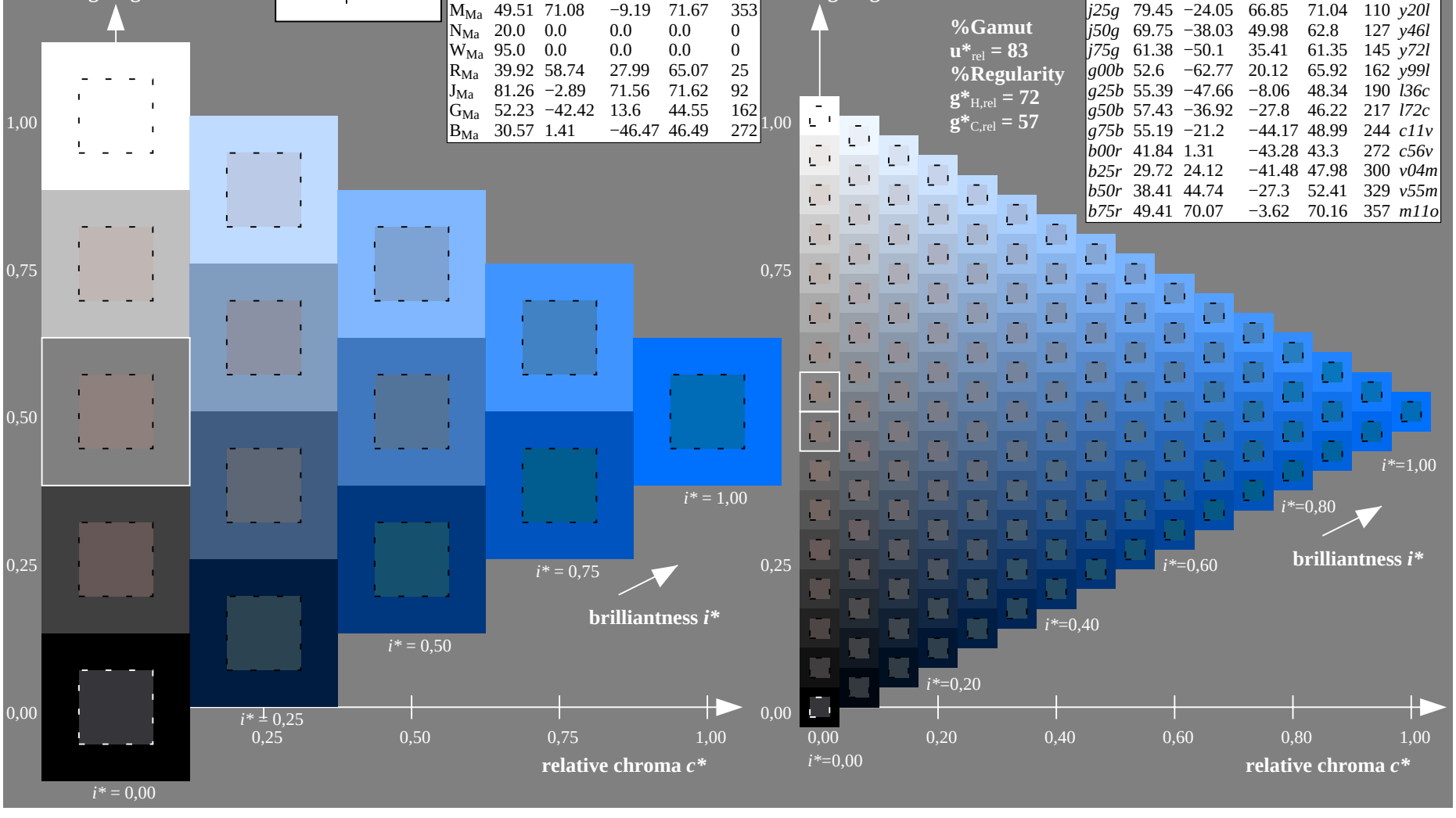
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 42 1 −43**
LAB*LCH*$_{Ma}$**: 42 43 271**
lab*rgb*$_{Ma}$**: 0.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.0 0.44 1.0**
triangle lightness *t**

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

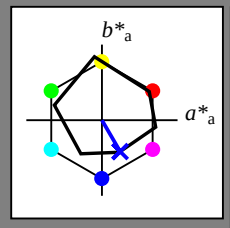
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.834** **u^*_e = *b25r***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *b25r* u^*_d = *v04m*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

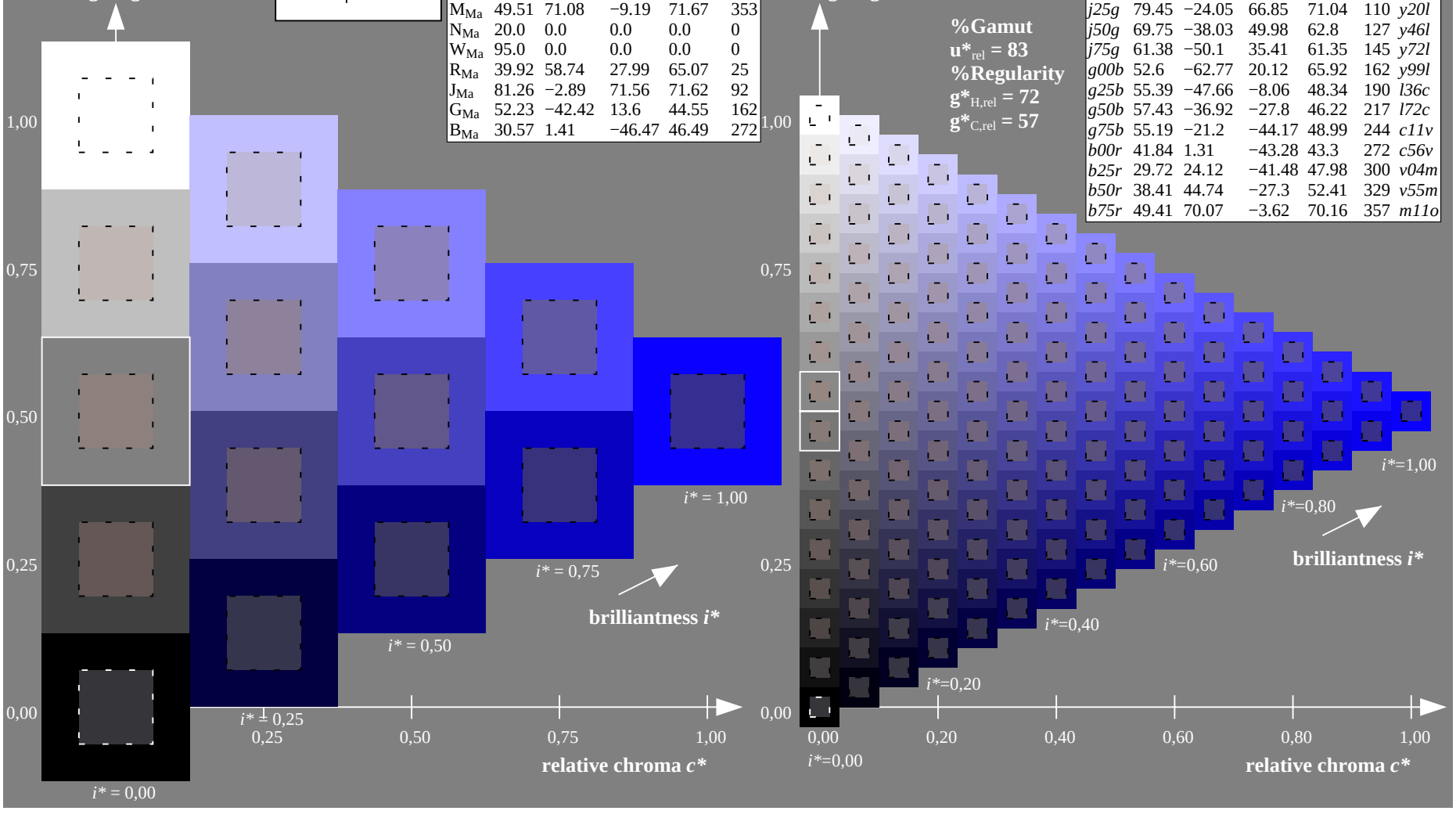
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 30 24 −41**
LAB*LCH*$_{Ma}$**: 30 48 300**
lab*rgb*$_{Ma}$**: 0.5 0.0 1.0**
lab*olv*$_{Ma}$**: 0.04 0.0 1.0**
triangle lightness *t**

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

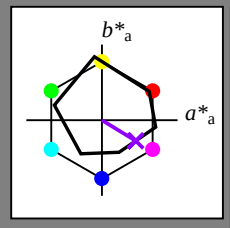
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.913** **u^*_e = *b50r***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *b50r* u^*_d = *v55m*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

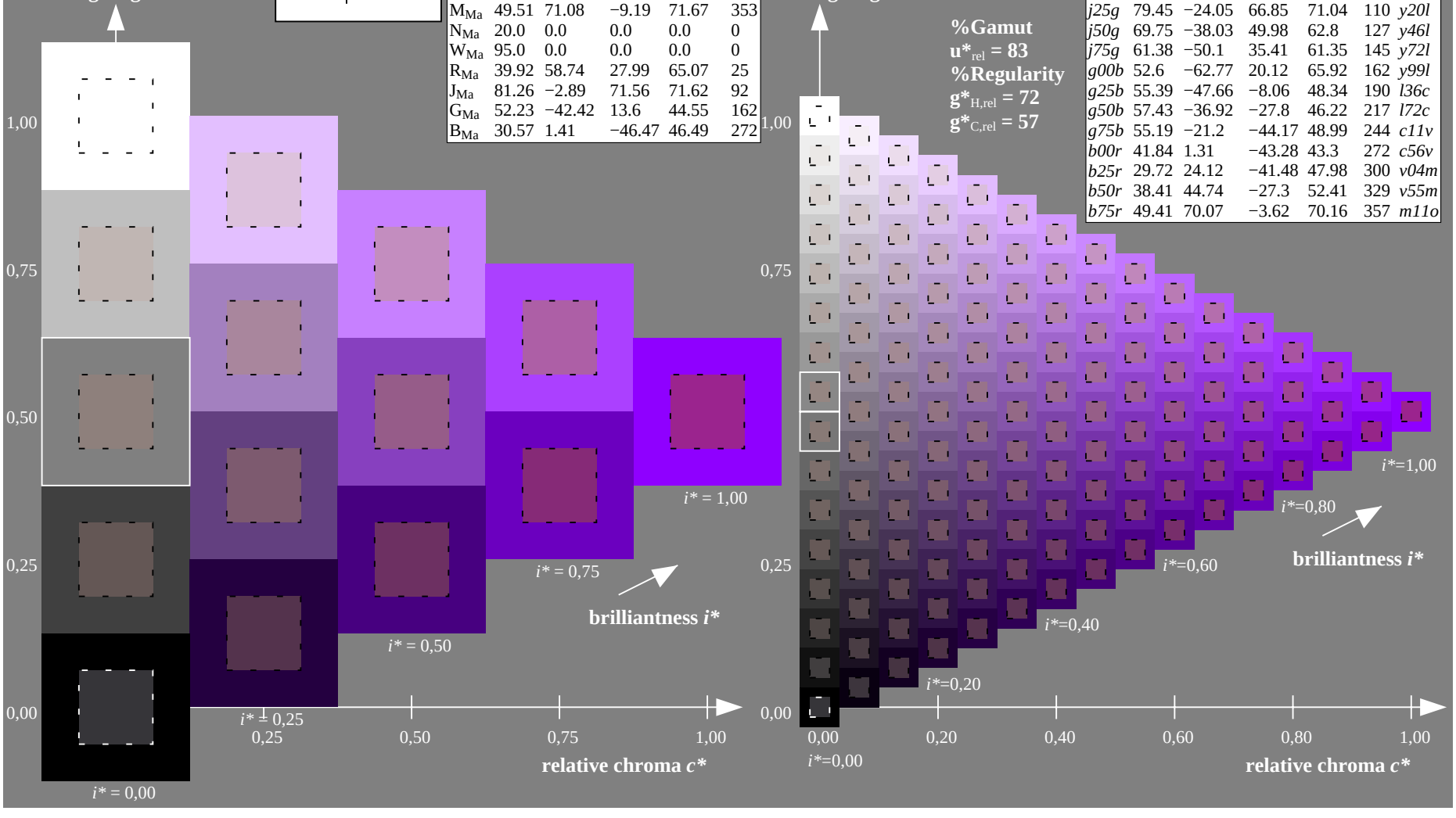
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 38 45 −27**
LAB*LCH*$_{Ma}$**: 38 52 328**
lab*rgb*$_{Ma}$**: 1.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.56 0.0 1.0**
triangle lightness *t**

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

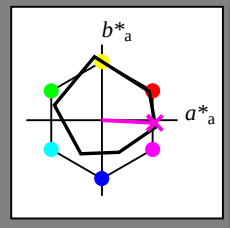
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.992** **u^*_e = *b75r***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *b75r* u^*_d = *m11o*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

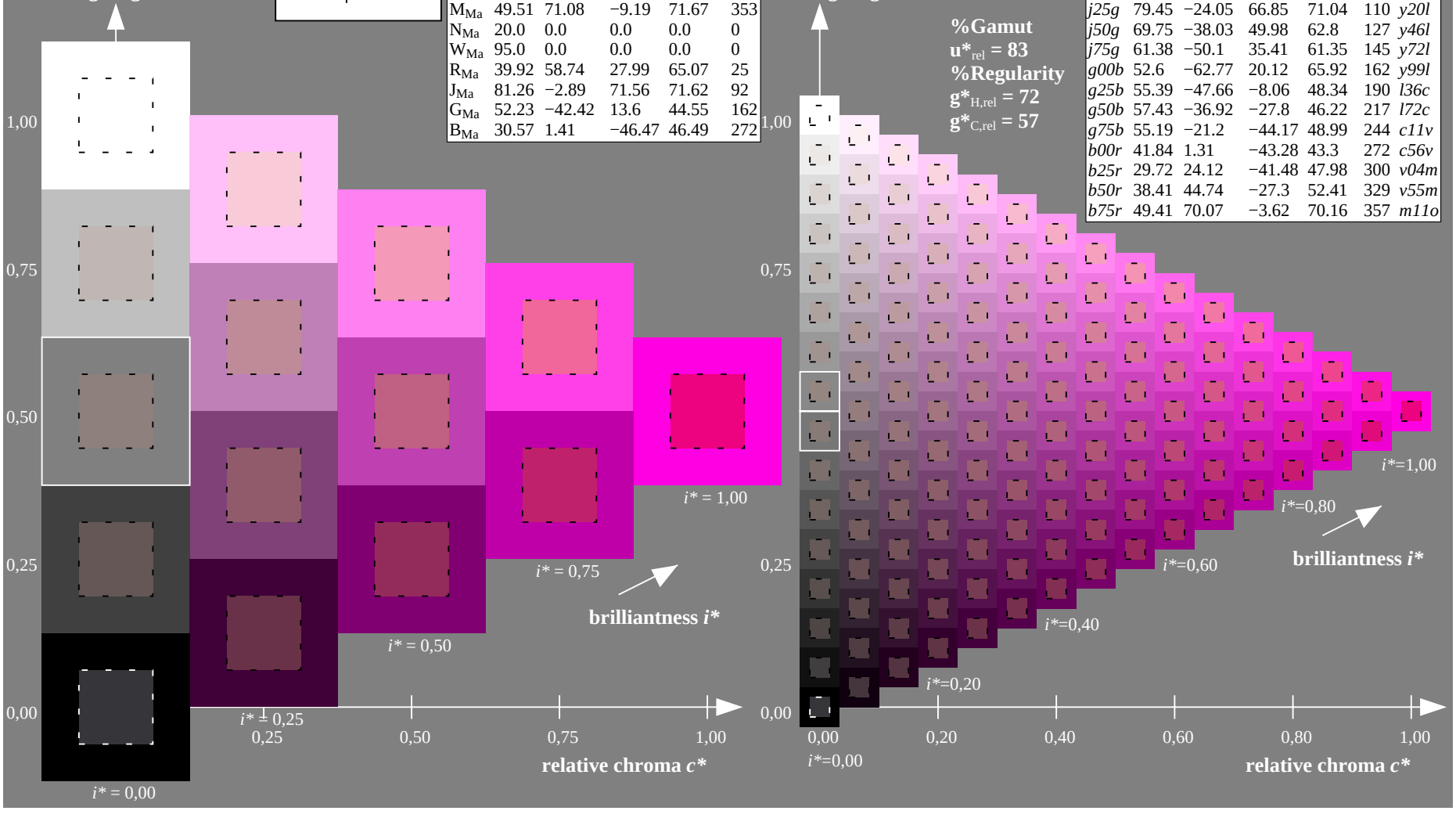
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

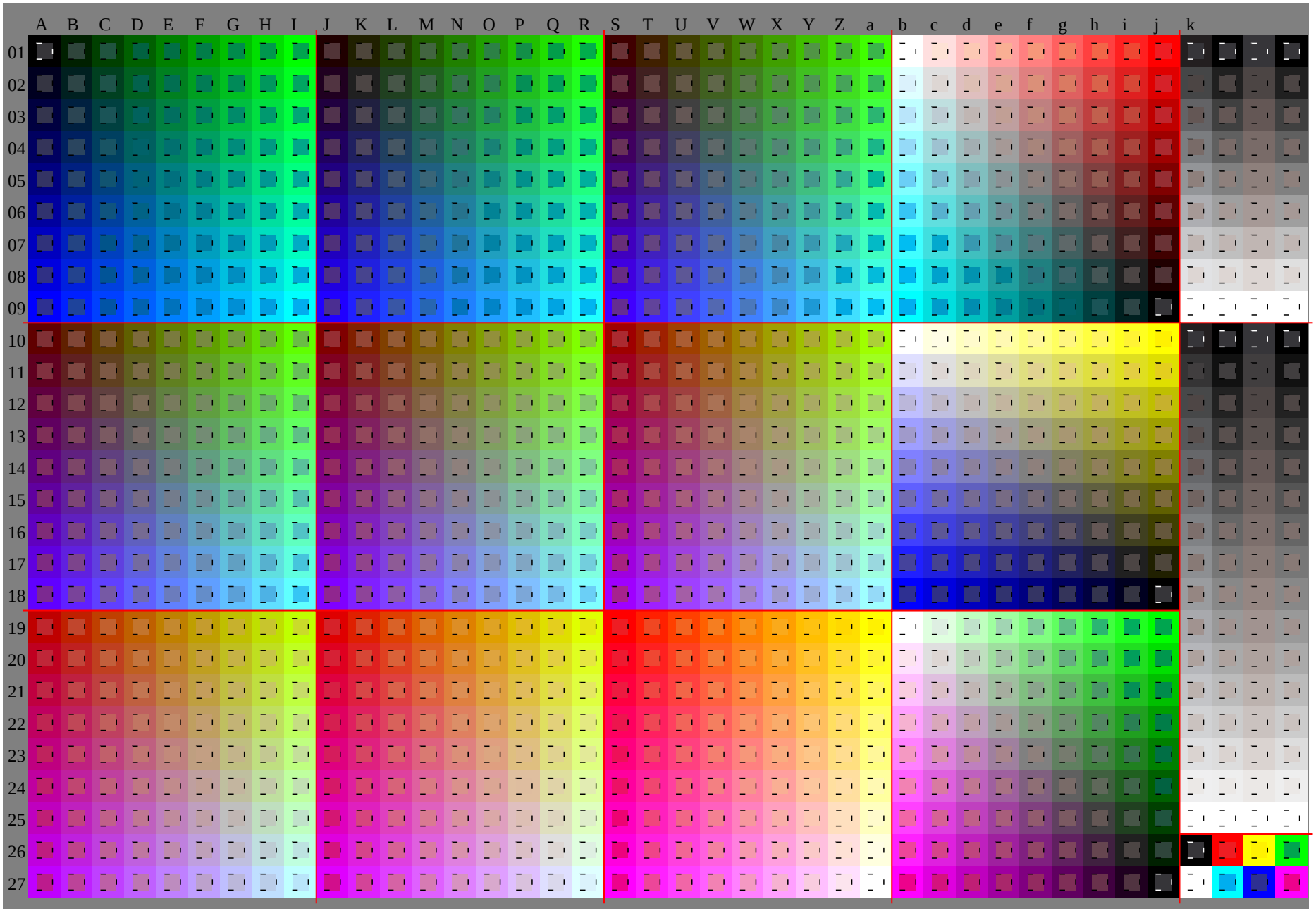
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 49 70 −4**
LAB*LCH*$_{Ma}$**: 49 70 357**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.5**
lab*olv*$_{Ma}$**: 1.0 0.0 0.89**
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*

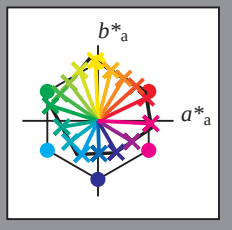




Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 0.96

ORS20_95a; adapted (a) CIELAB data

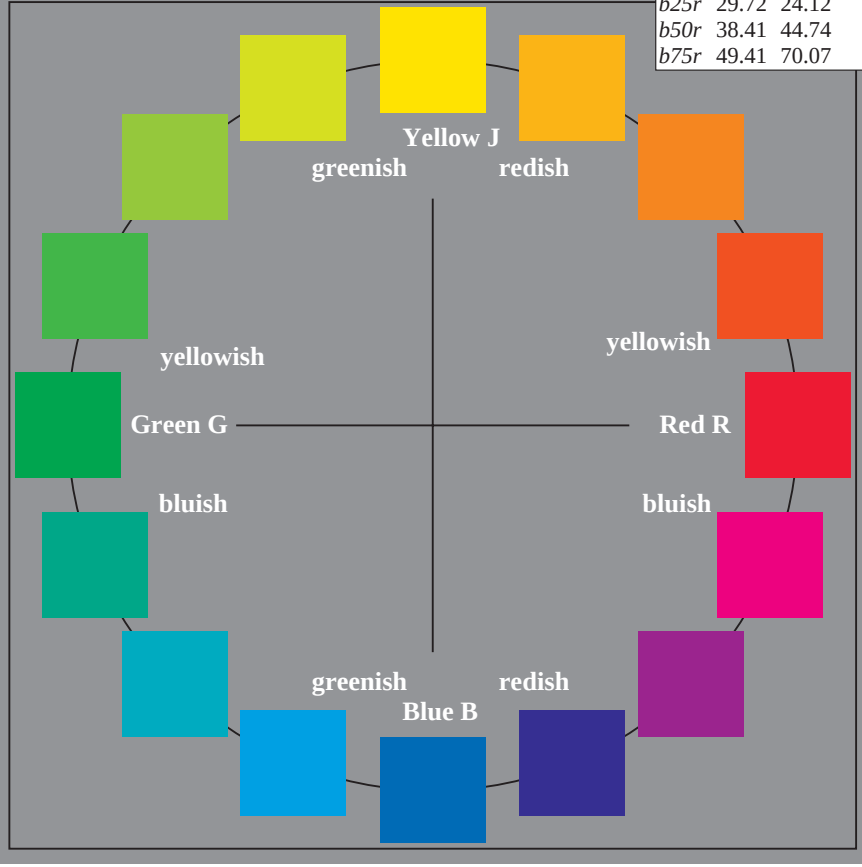
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*

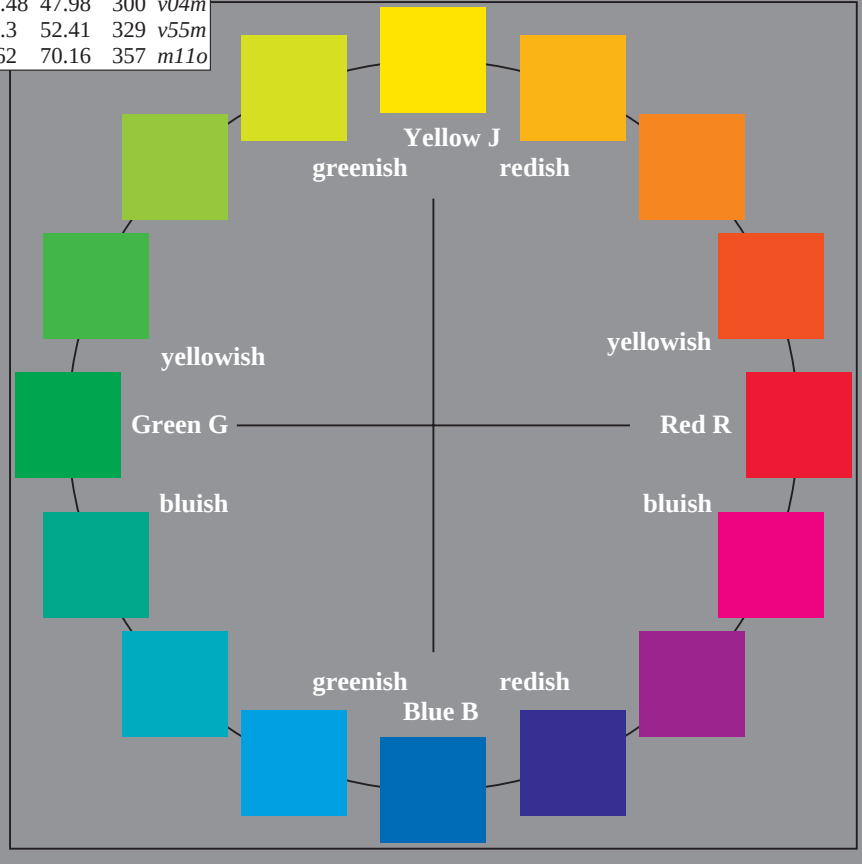


%Gamut
u*rel = 83
%Regularity
g*H,rel = 72
g*C,rel = 57

ORS20_95a; adapted (a) CIELAB data

Name	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272

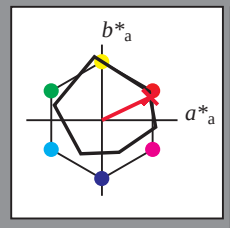




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.071**

u*e = r00j

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*e = r00j ***u*d = m84o***
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

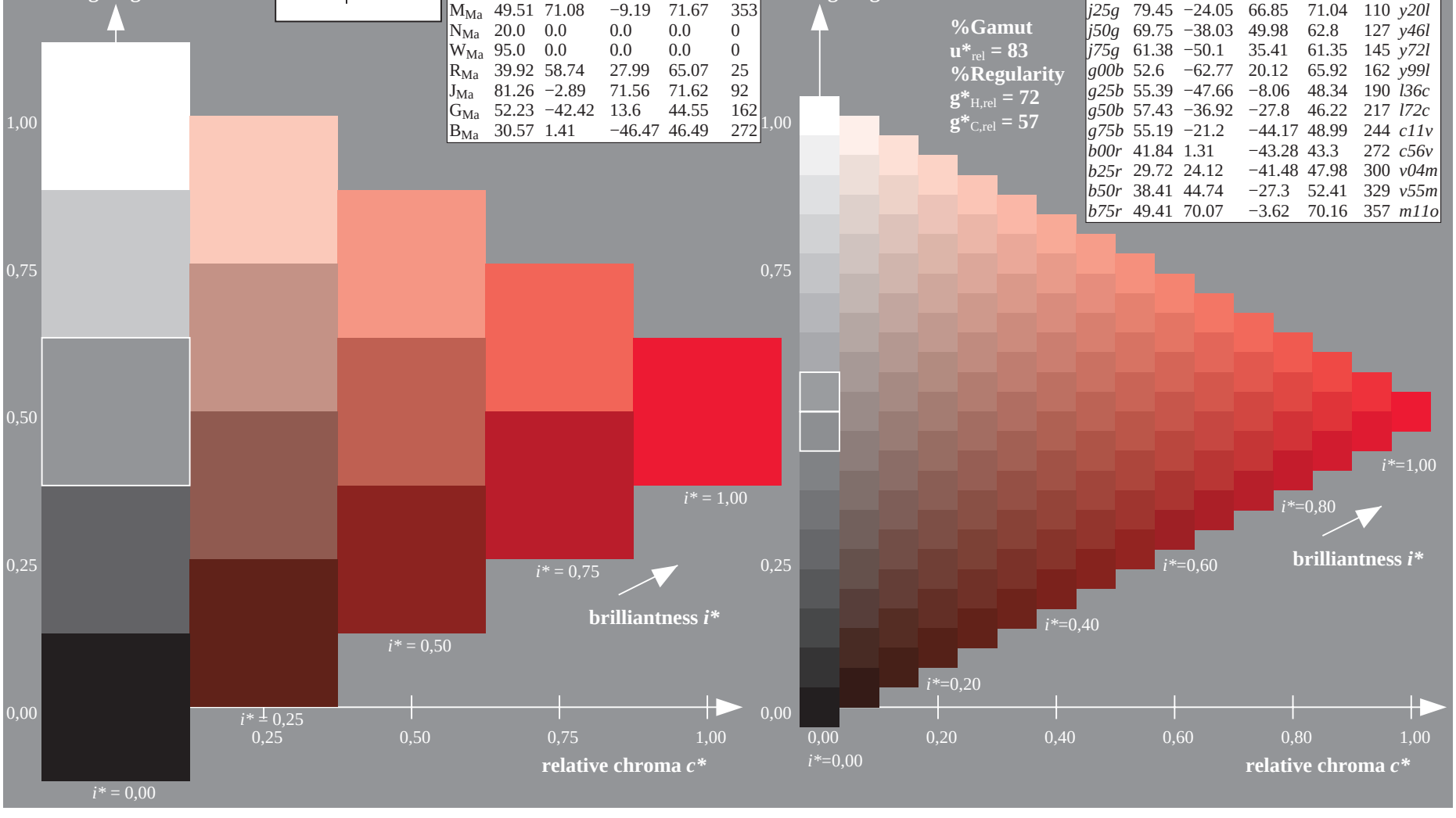
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 49 64 30**
LAB*LCH*$_{Ma}$**: 49 71 25**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.15**
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

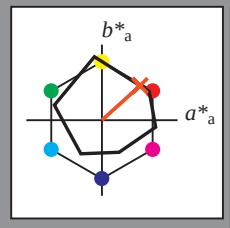
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

u*e = r25j

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*e = r25j ***u*d = o17y***
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

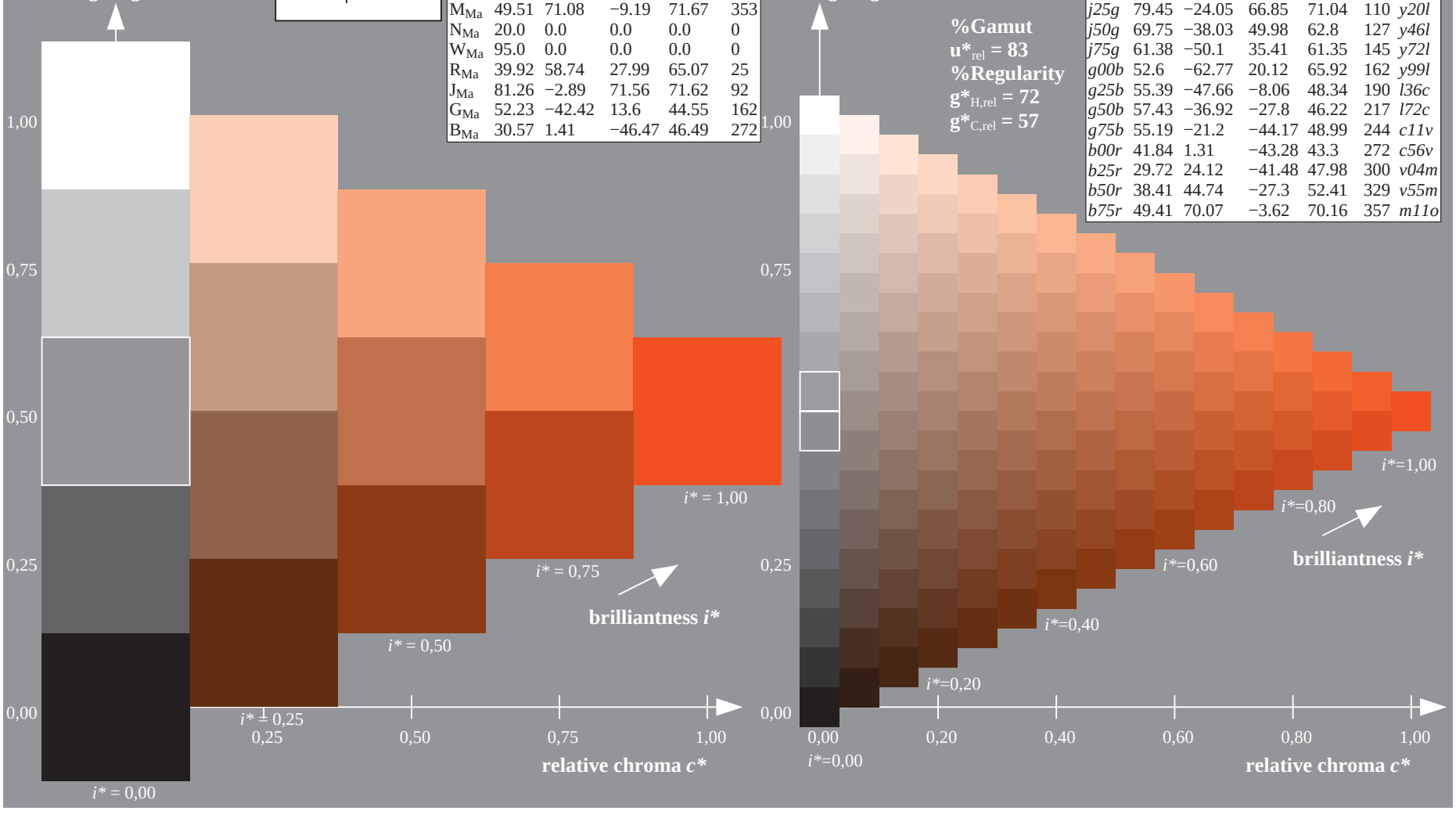
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 56 50 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

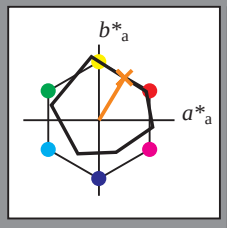
ORS20_95a; adapted (a) CIELAB data

*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164** **u^*_e = *r50j***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r50j* u^*_d = *o42y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

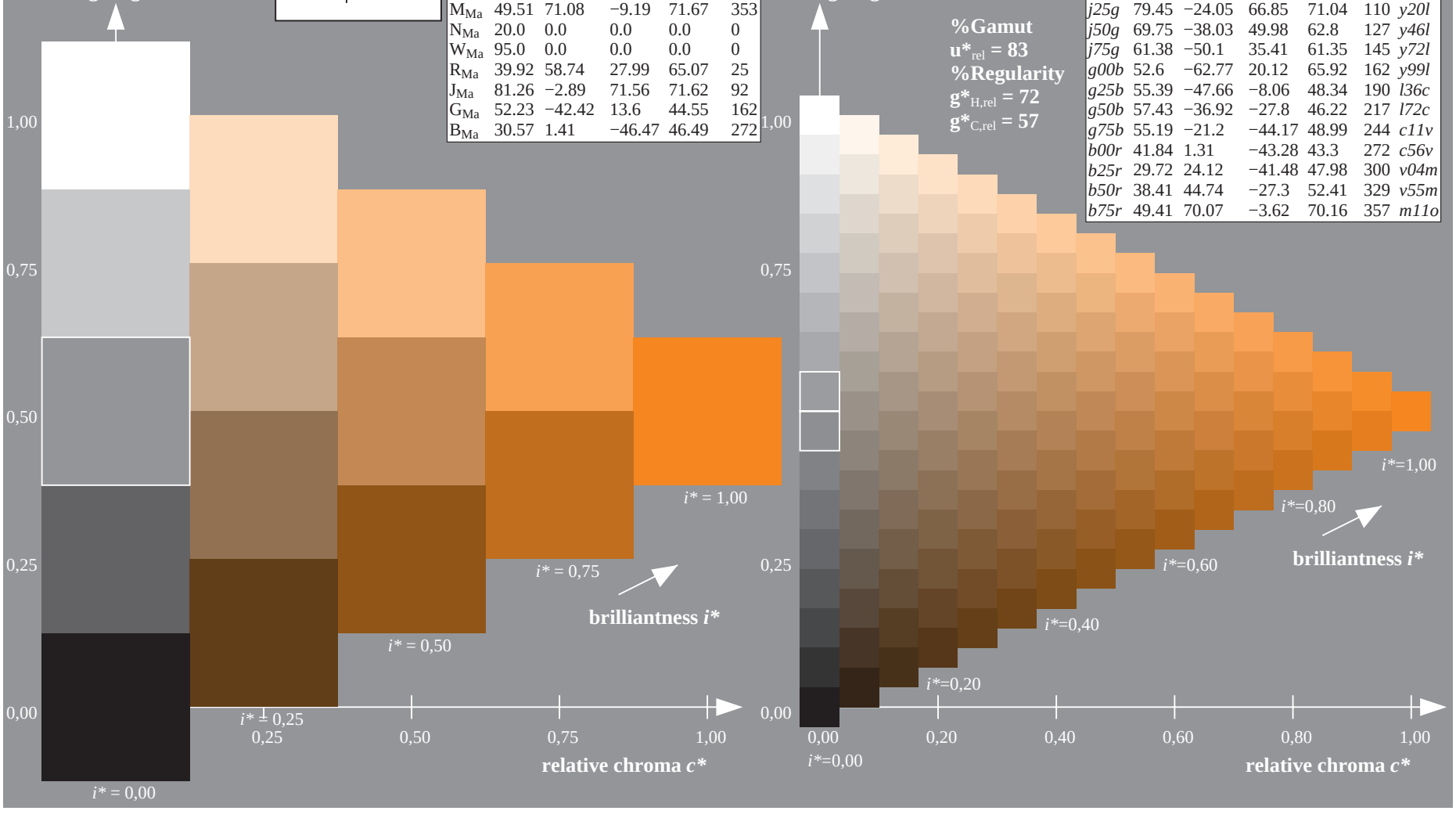
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 65 34 56**
LAB*LCH*$_{Ma}$**: 65 66 58**
lab*rgb*$_{Ma}$**: 1.0 0.5 0.0**
lab*olv*$_{Ma}$**: 1.0 0.42 0.0**
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

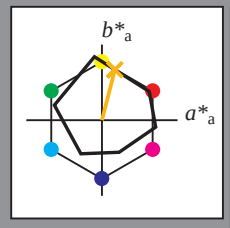
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

u*e = r75j

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*e = r75j ***u*d = o67y***
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

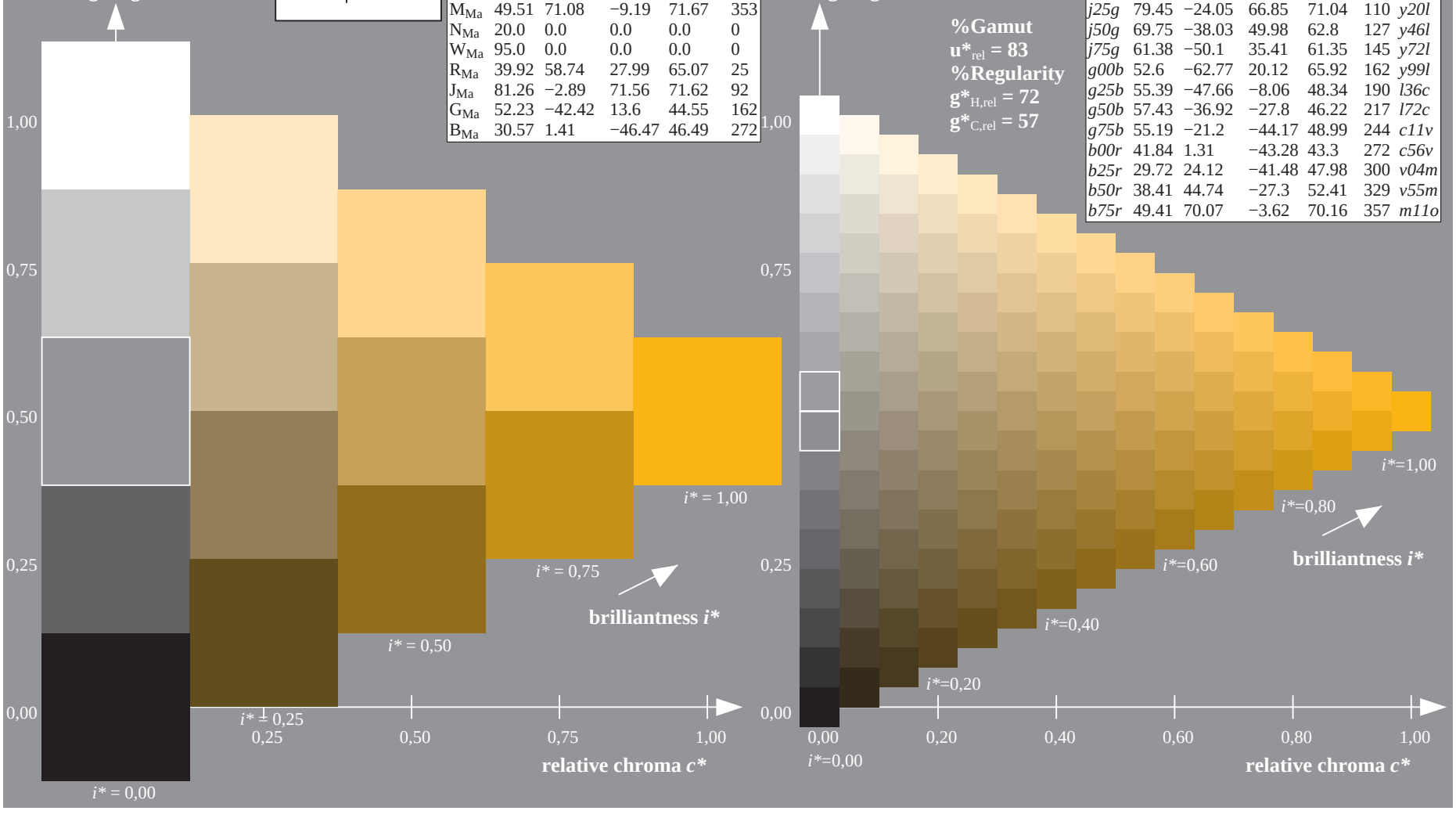
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 74 17 67**
LAB*LCH*$_{Ma}$**: 74 69 75**
lab*rgb*$_{Ma}$**: 1.0 0.75 0.0**
lab*olv*$_{Ma}$**: 1.0 0.68 0.0**
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

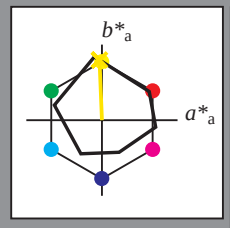
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

u*e = j00g

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*e = j00g ***u*d = o92y***
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

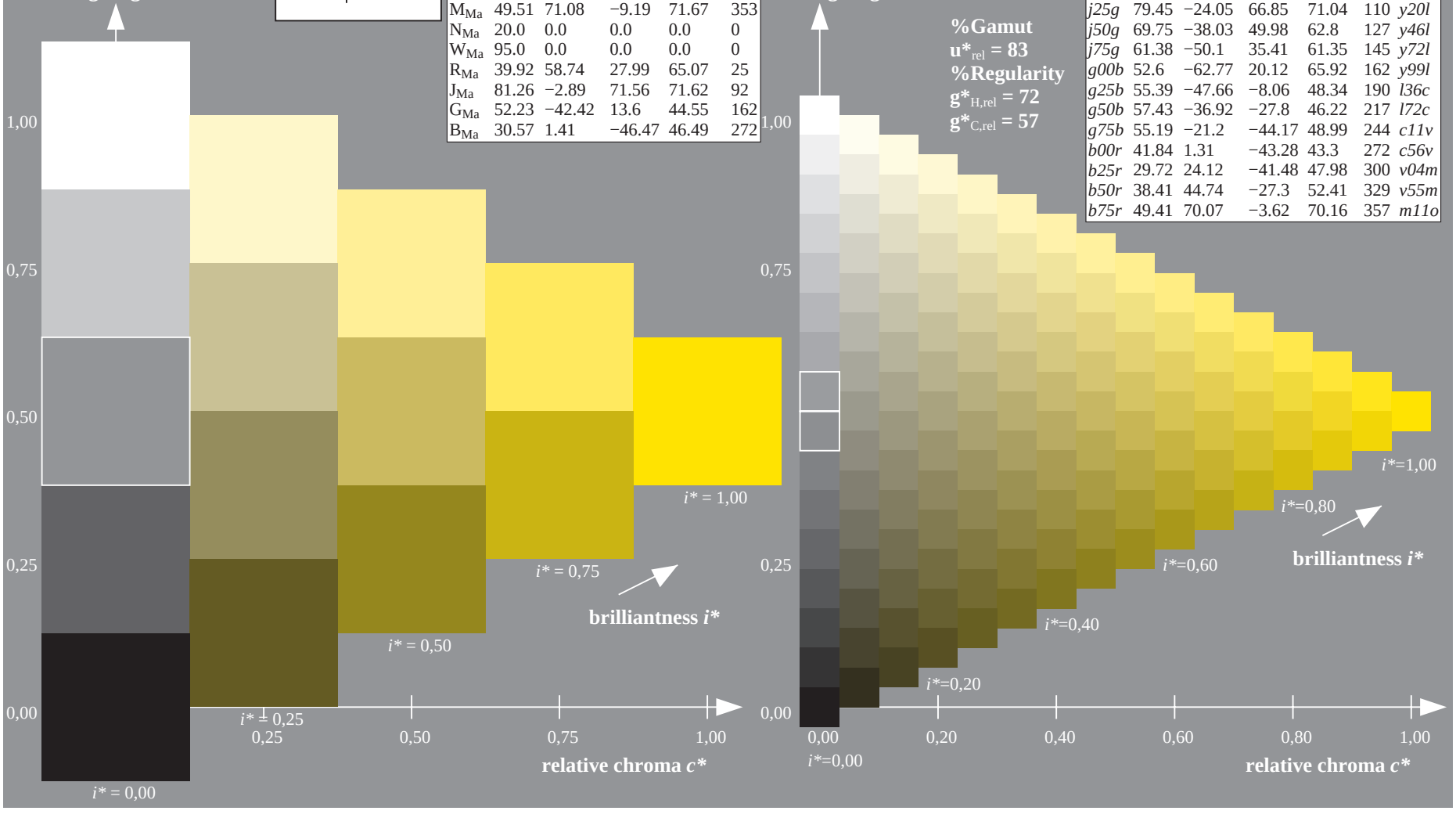
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 86 −3 80**
LAB*LCH*$_{Ma}$**: 86 80 92**
lab*rgb*$_{Ma}$**: 1.0 1.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.93 0.0**
triangle lightness *t**

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

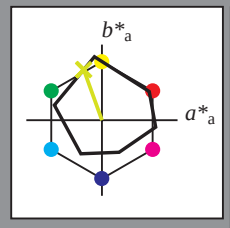
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.305** **u^*_e = *j25g***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j25g* u^*_d = *y20l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

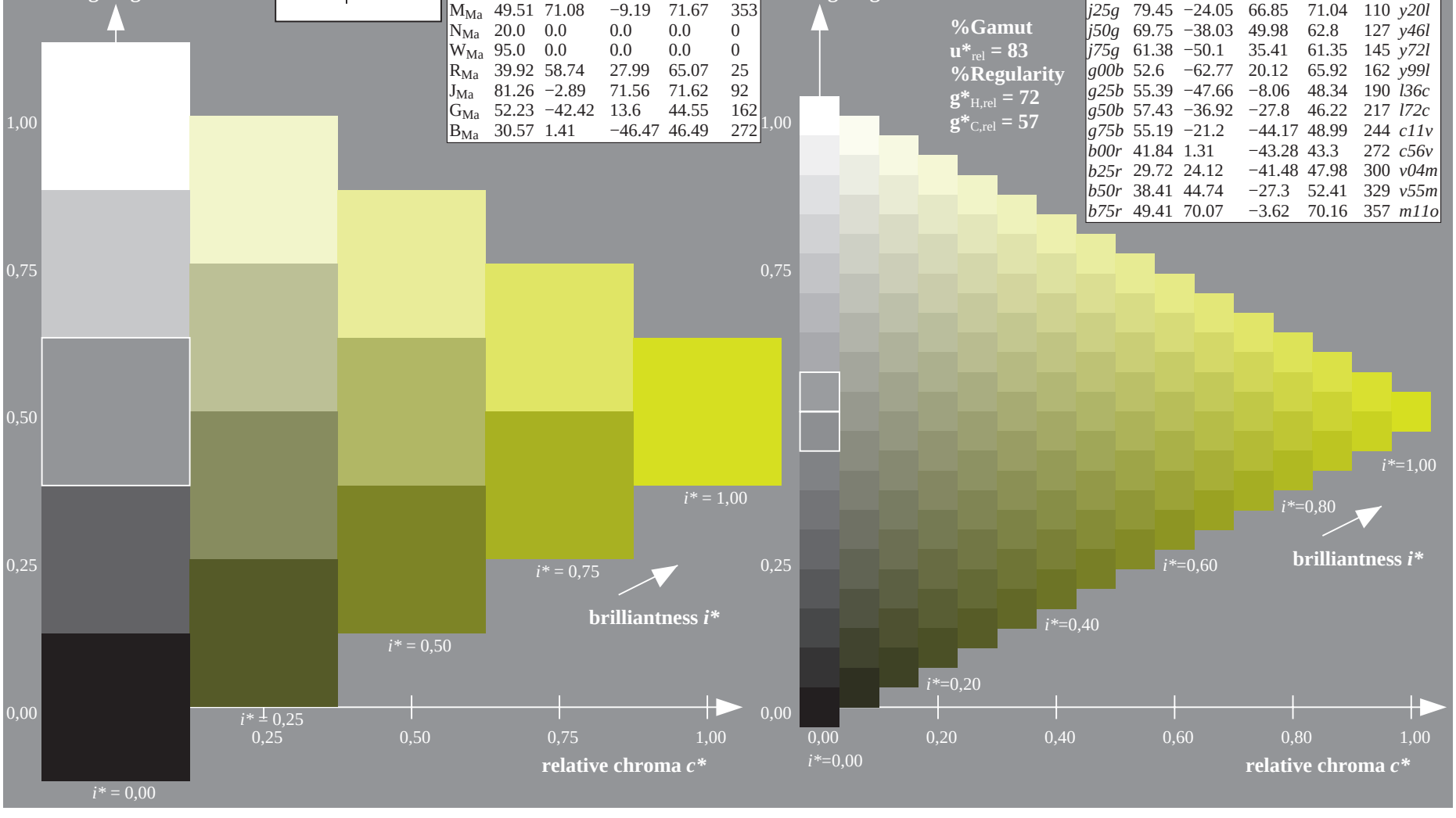
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 79 −24 67**
LAB*LCH*$_{Ma}$**: 79 71 109**
lab*rgb*$_{Ma}$**: 0.75 1.0 0.0**
lab*olv*$_{Ma}$**: 0.8 1.0 0.0**
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

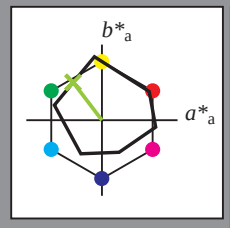
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

u*e = j50g

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*e = j50g ***u*d = y46l***
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

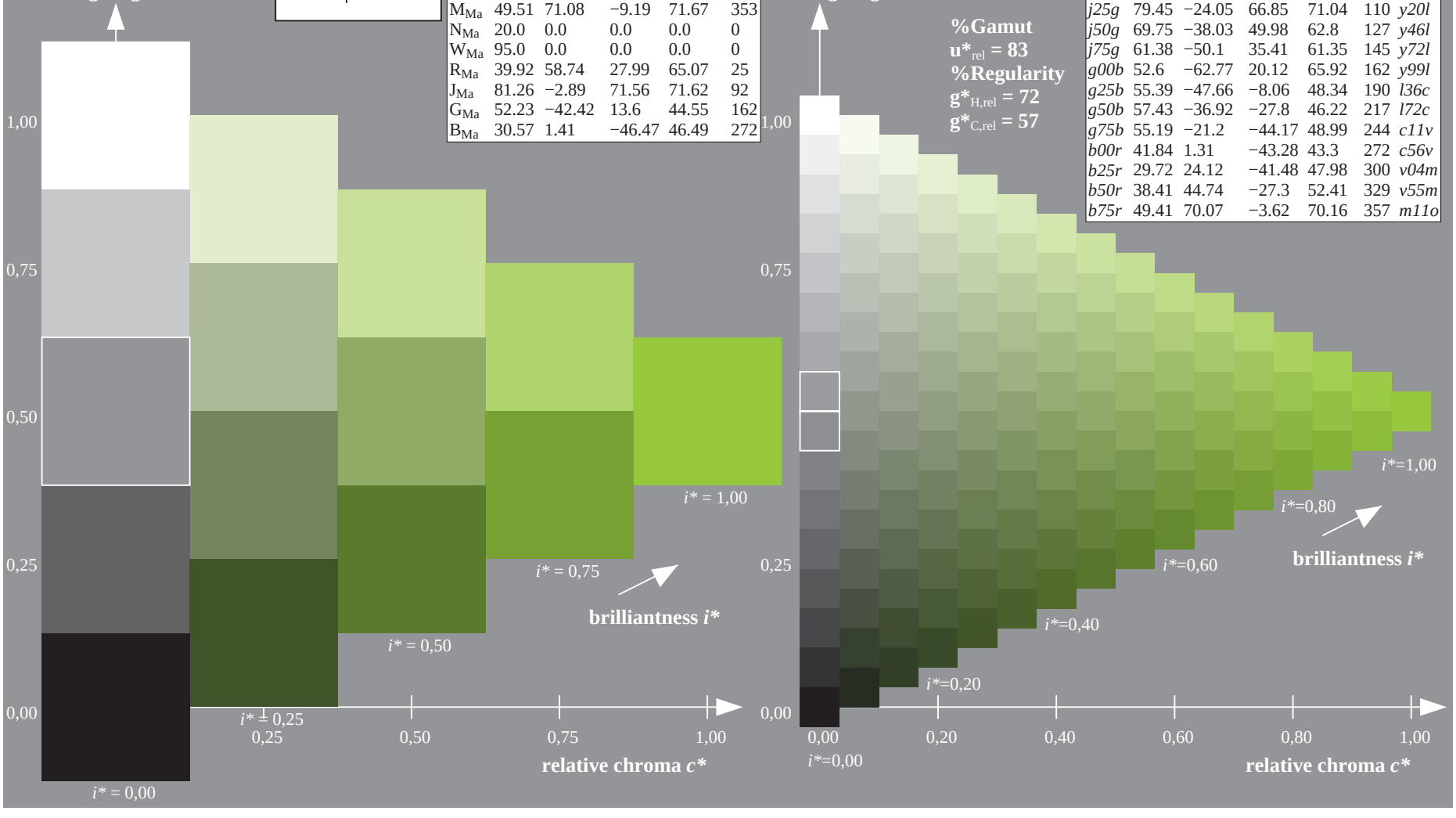
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 70 −38 50**
LAB*LCH*$_{Ma}$**: 70 63 127**
lab*rgb*$_{Ma}$**: 0.5 1.0 0.0**
lab*olv*$_{Ma}$**: 0.54 1.0 0.0**
triangle lightness *t**

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

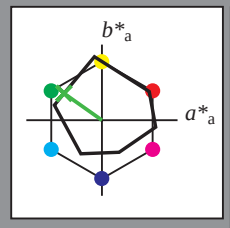
ORS20_95a; adapted (a) CIELAB data

*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.402** **u^*_e = *j75g***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j75g* u^*_d = *y72l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

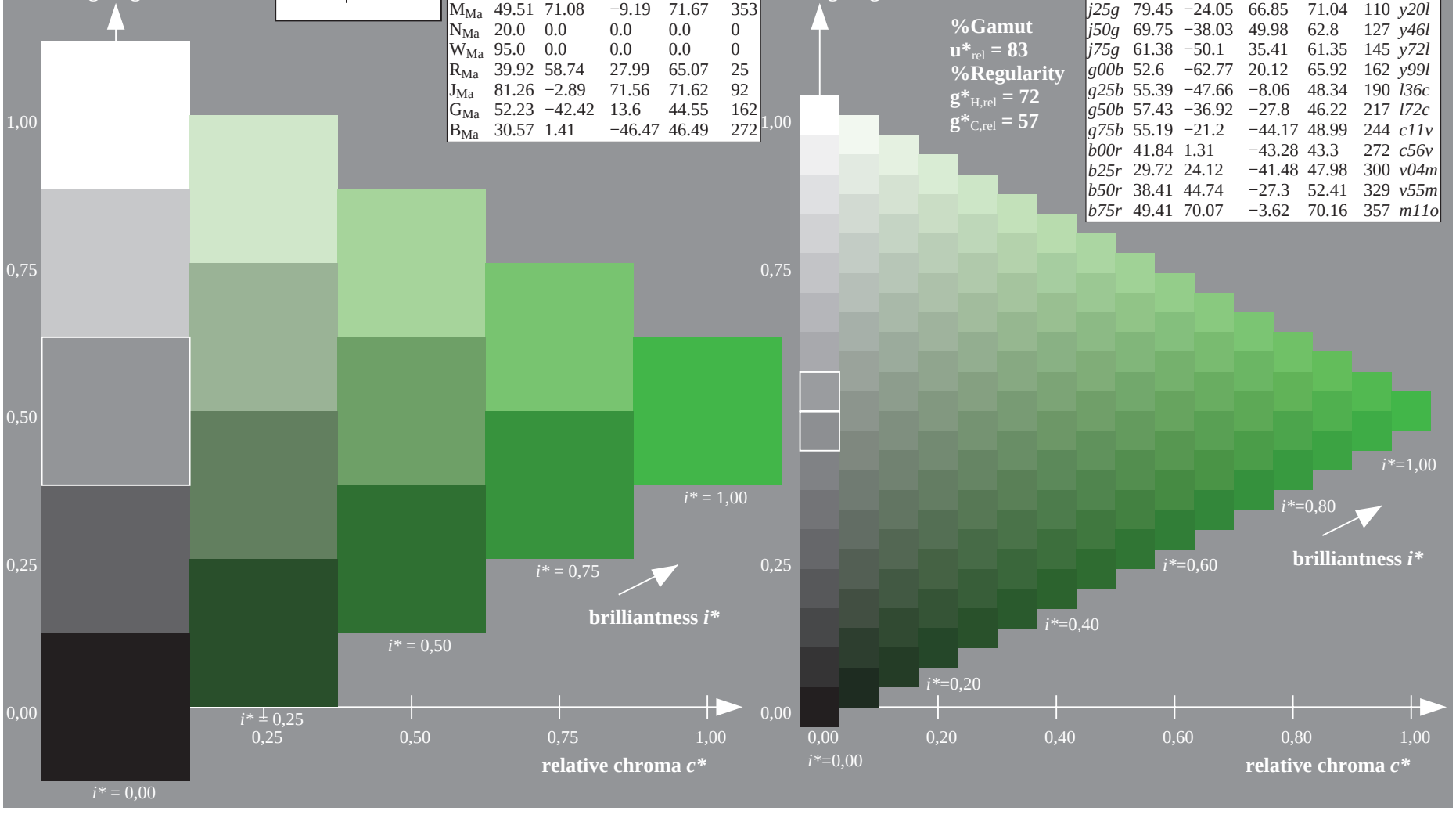
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 61 −50 35**
LAB*LCH*$_{Ma}$**: 61 61 144**
lab*rgb*$_{Ma}$**: 0.25 1.0 0.0**
lab*olv*$_{Ma}$**: 0.27 1.0 0.0**
triangle lightness *t**

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

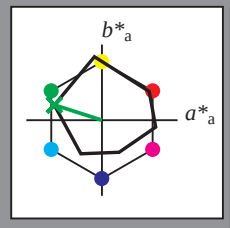
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.451** **u^*_e = *g00b***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *g00b* u^*_d = *y99l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

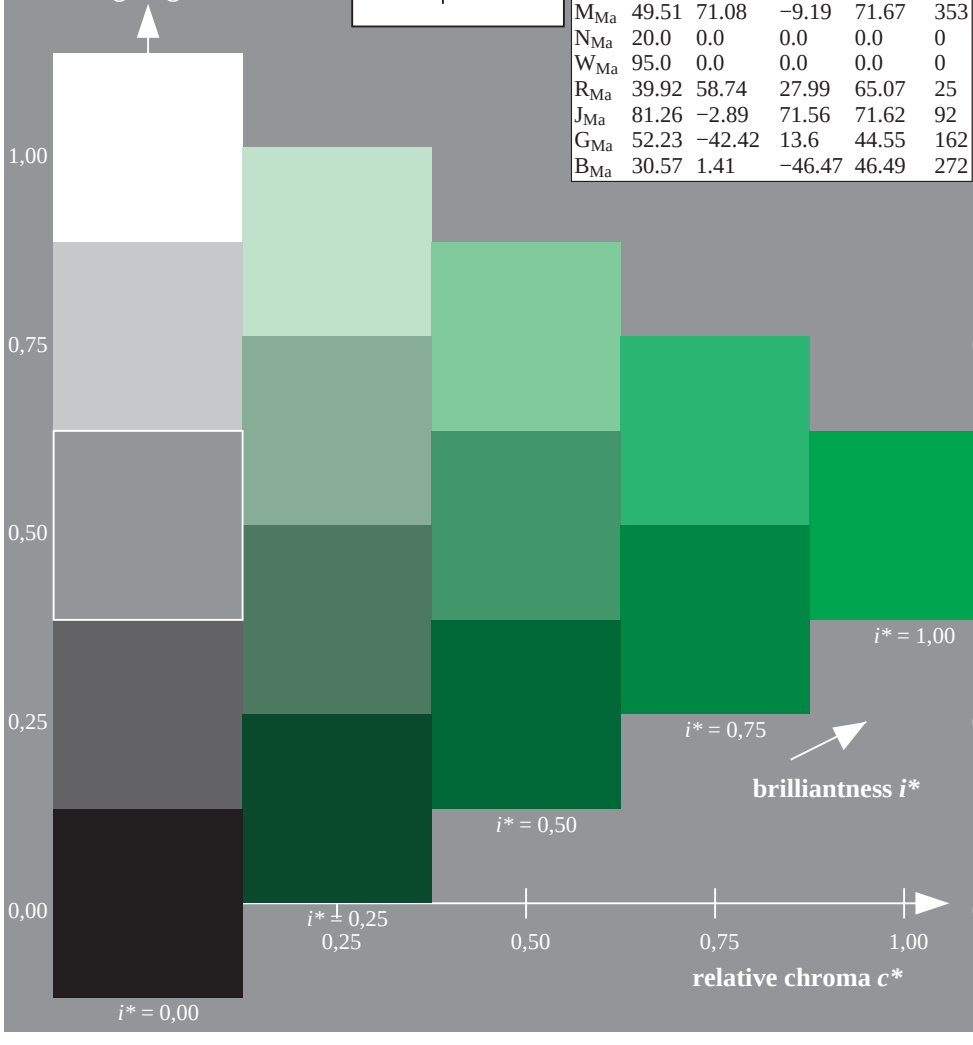
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

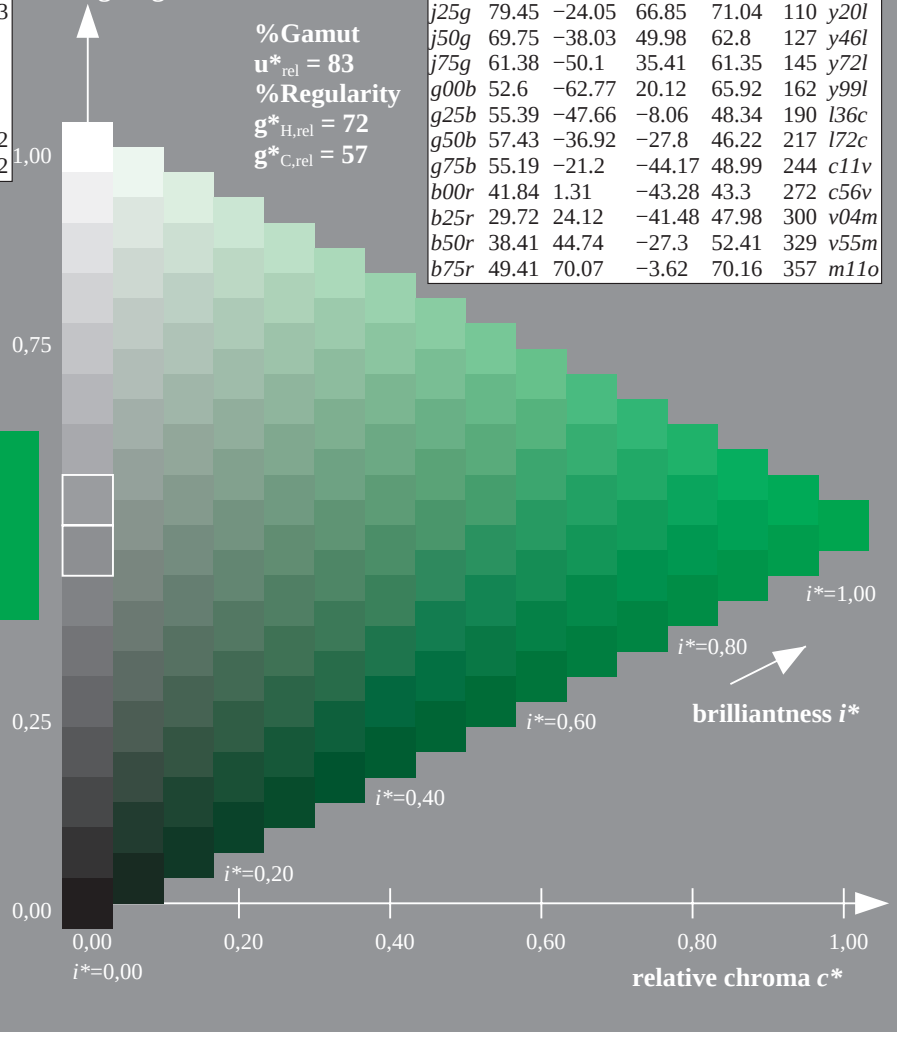
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 53 −63 20**
LAB*LCH*$_{Ma}$**: 53 66 162**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.0**
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*

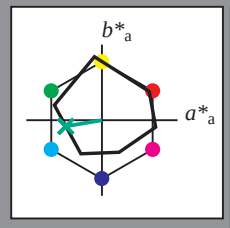




input: *000n / w / nnn0 / www set...*
output: *−>cmyn6* setcmykcolor*

Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.527** **$u^*_e = g25b$**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_e = g25b$ $u^*_d = l36c$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

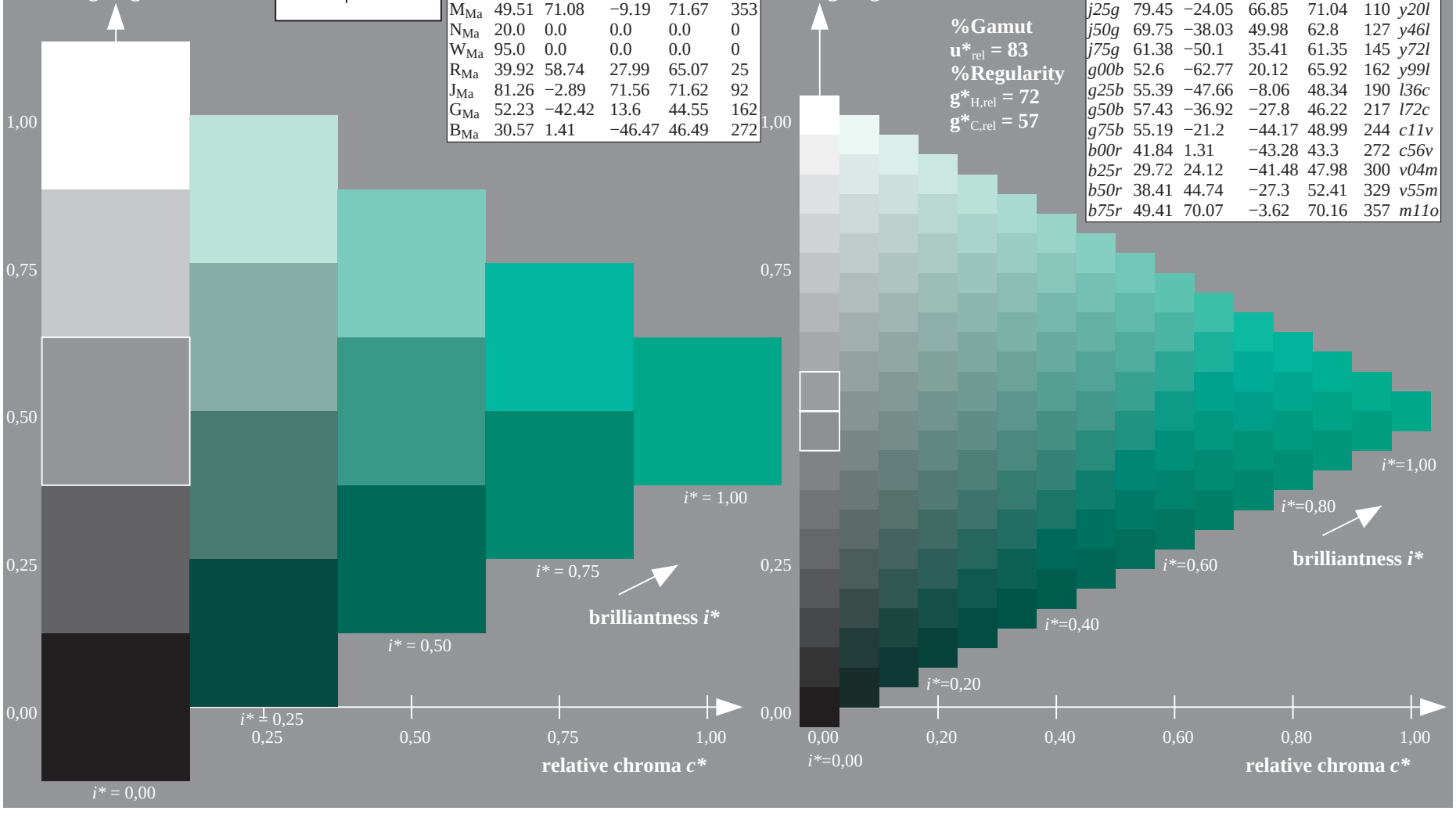
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 55 −48 −8**
LAB*LCH*$_{Ma}$**: 55 48 189**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.5**
lab*olv*$_{Ma}$**: 0.0 1.0 0.36**
triangle lightness *t**

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

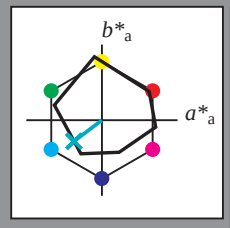
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.603** **u^*_e = *g50b***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *g50b* u^*_d = *l72c*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

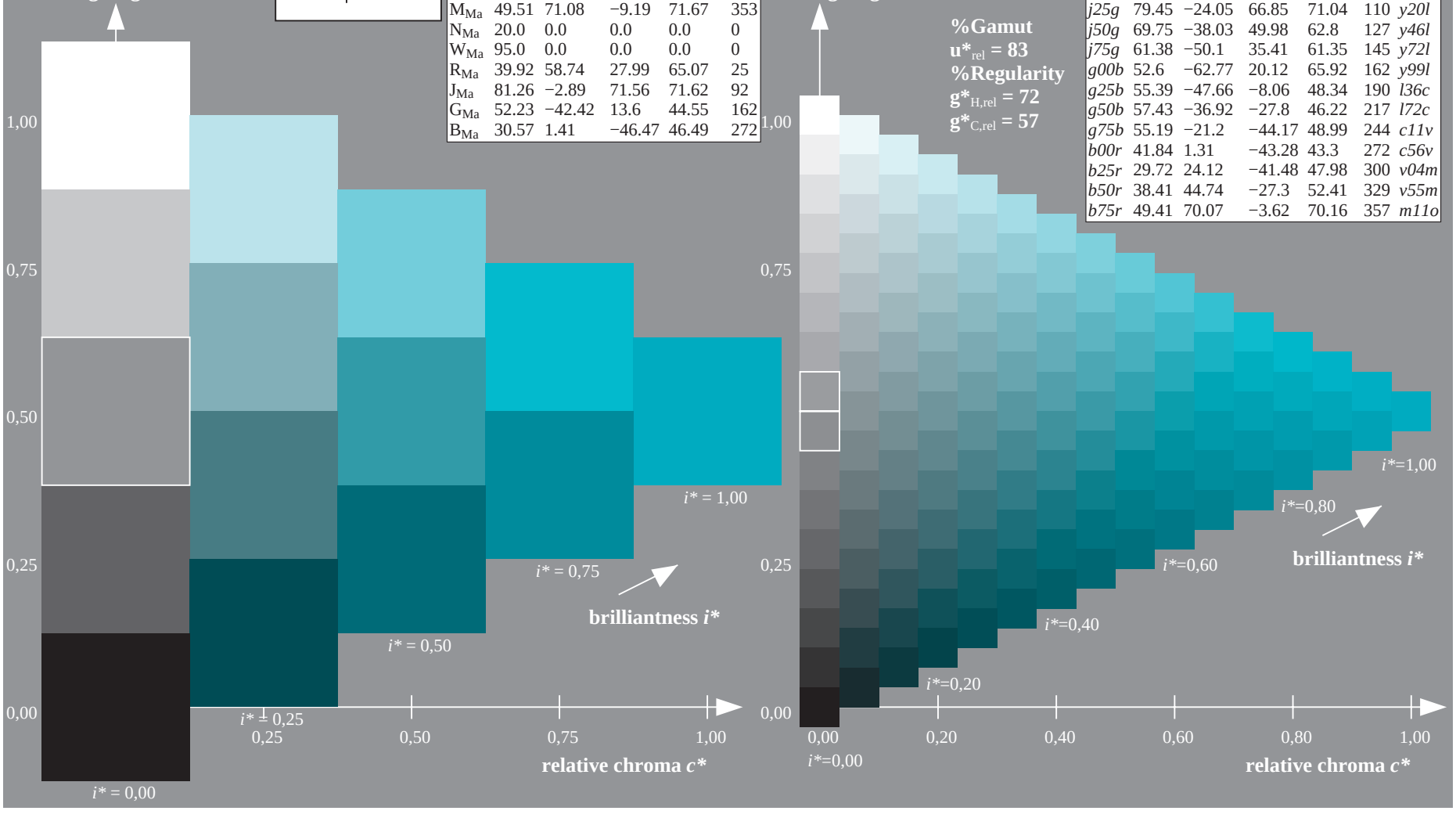
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 57 −37 −28**
LAB*LCH*$_{Ma}$**: 57 46 216**
lab*rgb*$_{Ma}$**: 0.0 1.0 1.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.72**
triangle lightness *t**

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

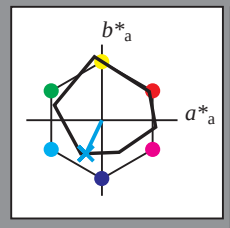
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.679** **$u^*_e = g75b$**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_e = g75b$ $u^*_d = c11v$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

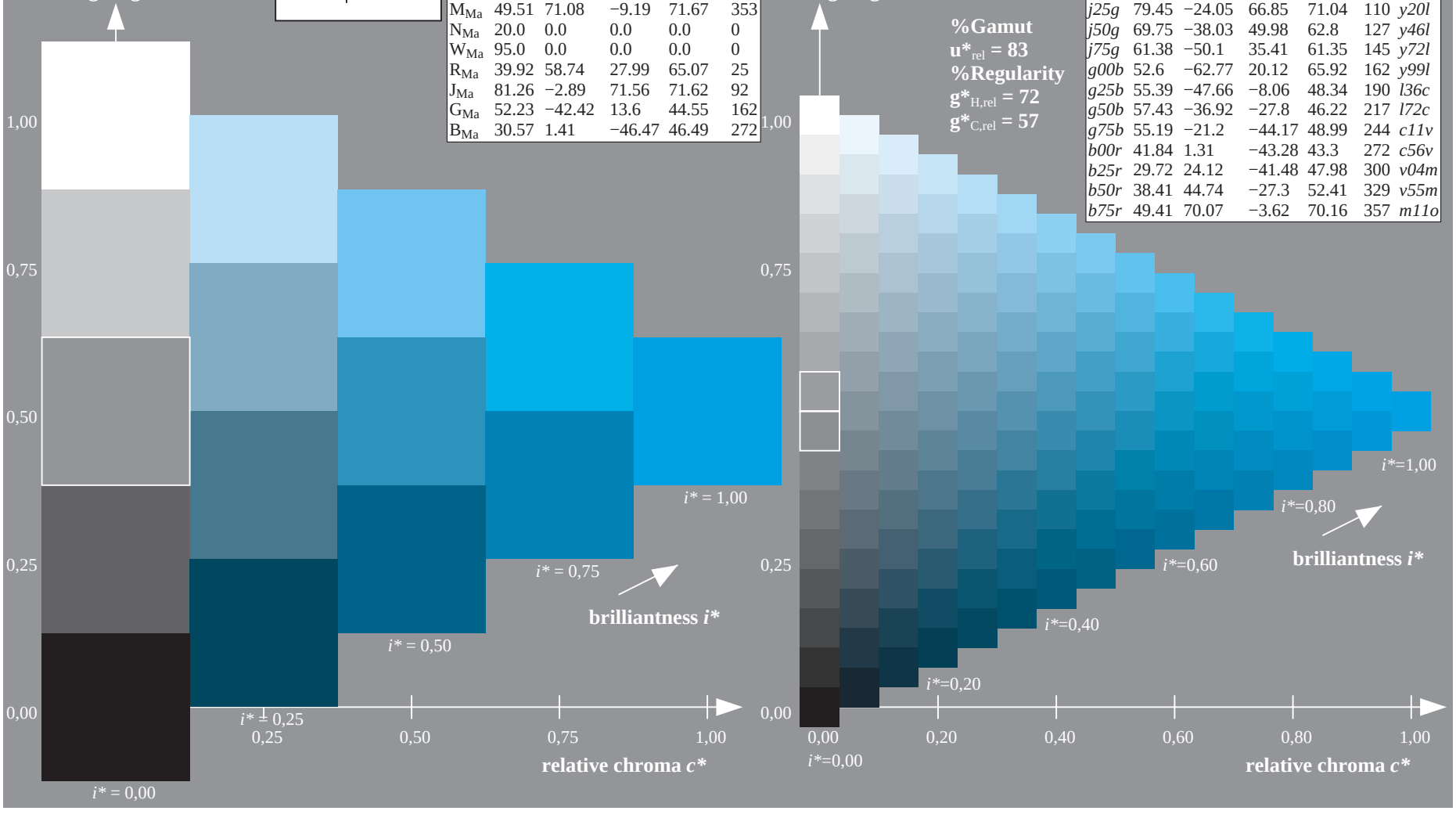
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 55 −21 −44**
LAB*LCH*$_{Ma}$**: 55 49 244**
lab*rgb*$_{Ma}$**: 0.0 0.5 1.0**
lab*olv*$_{Ma}$**: 0.0 0.89 1.0**
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

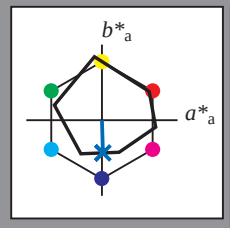
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

u*e = b00r

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*e = b00r ***u*d = c56v***
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

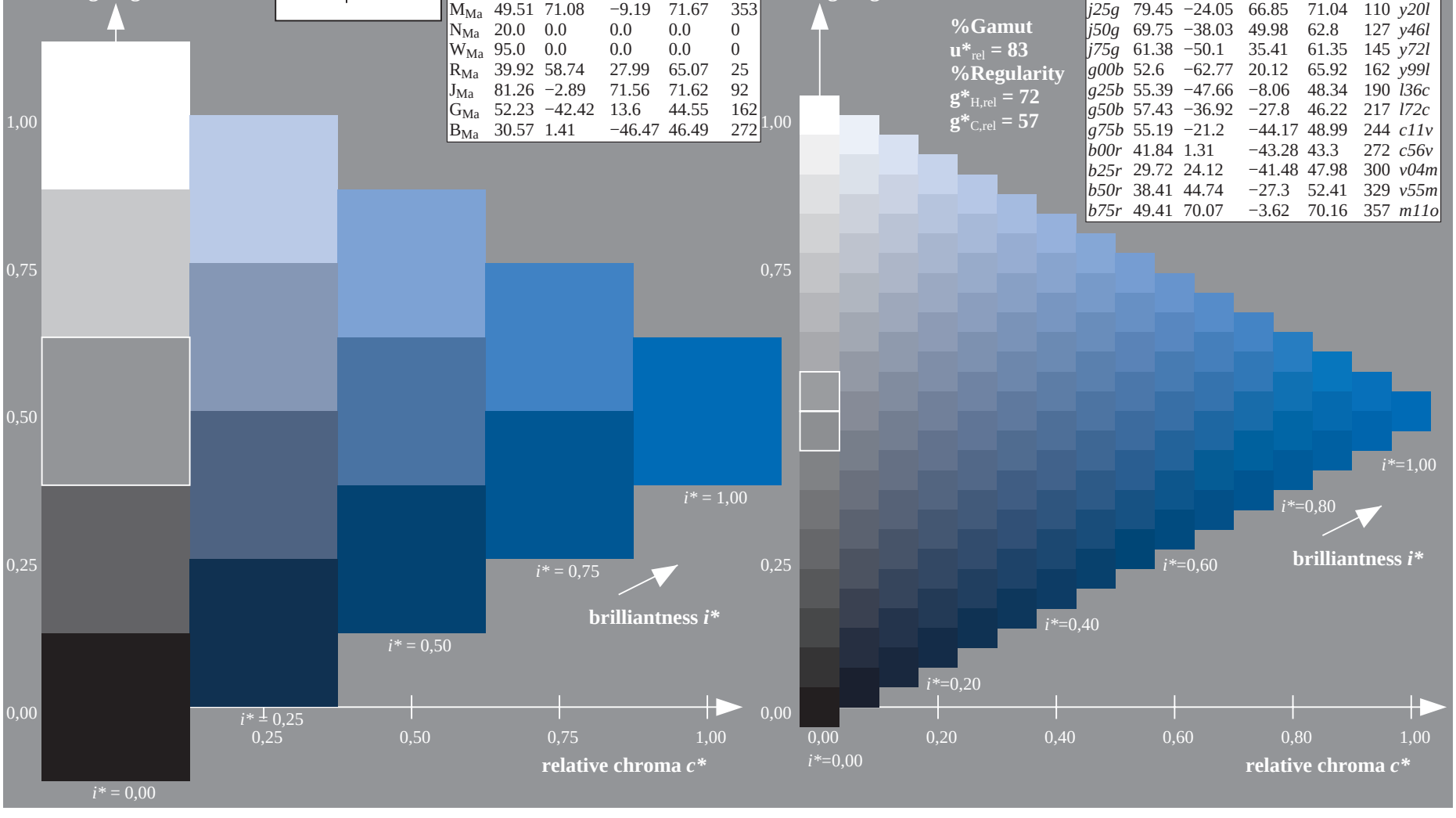
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 42 1 −43**
LAB*LCH*$_{Ma}$**: 42 43 271**
lab*rgb*$_{Ma}$**: 0.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.0 0.44 1.0**
triangle lightness *t**

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

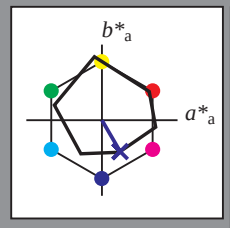
ORS20_95a; adapted (a) CIELAB data

*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.834** **u^*_e = *b25r***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *b25r* u^*_d = *v04m*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

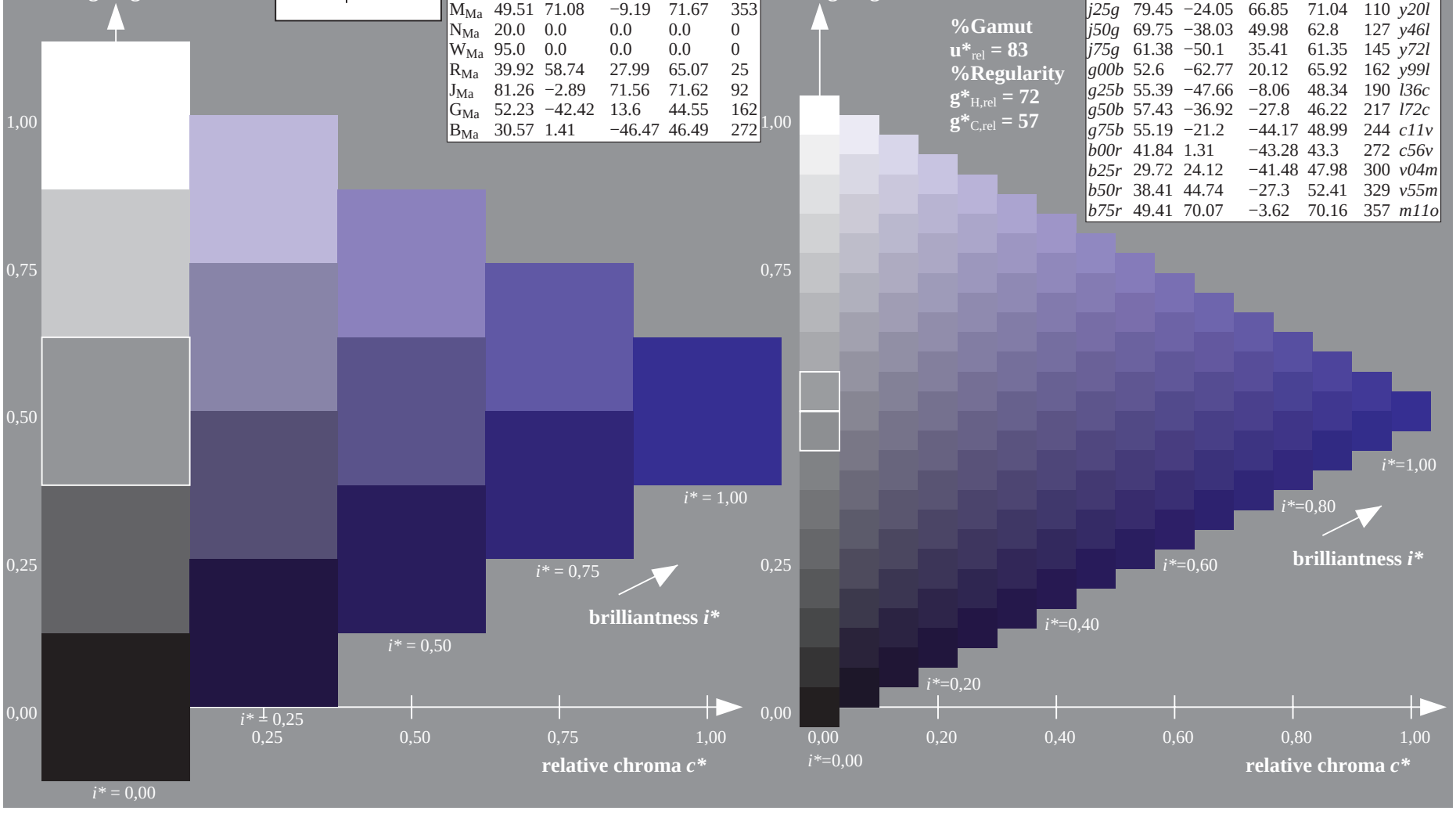
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 30 24 −41**
LAB*LCH*$_{Ma}$**: 30 48 300**
lab*rgb*$_{Ma}$**: 0.5 0.0 1.0**
lab*olv*$_{Ma}$**: 0.04 0.0 1.0**
triangle lightness *t**

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

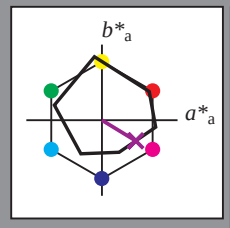
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.913** **u^*_e = *b50r***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *b50r* u^*_d = *v55m*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

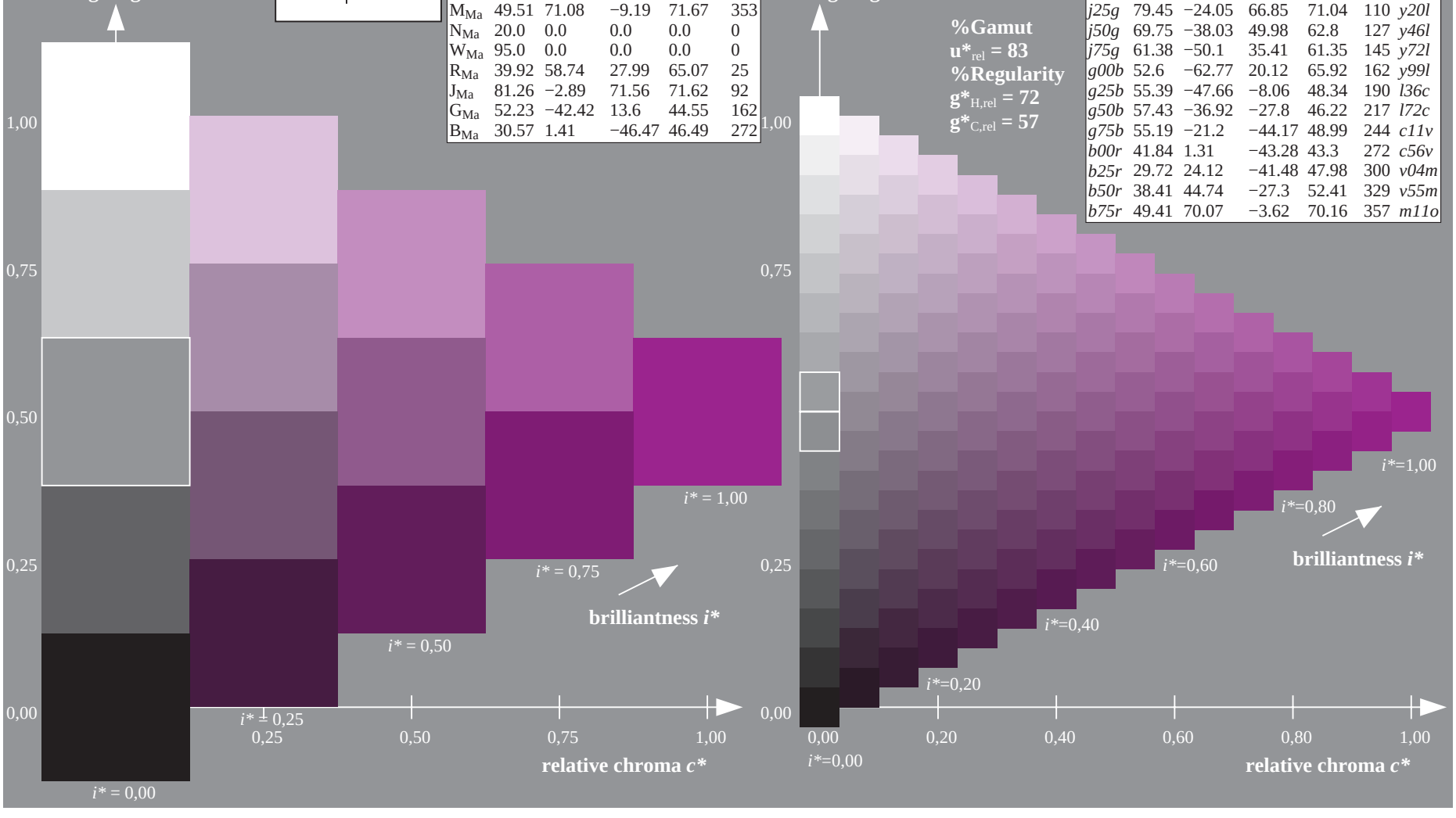
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 38 45 −27**
LAB*LCH*$_{Ma}$**: 38 52 328**
lab*rgb*$_{Ma}$**: 1.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.56 0.0 1.0**
triangle lightness *t**

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

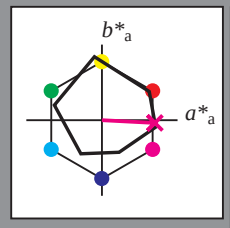
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.992** **u^*_e = *b75r***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *b75r* u^*_d = *m11o*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

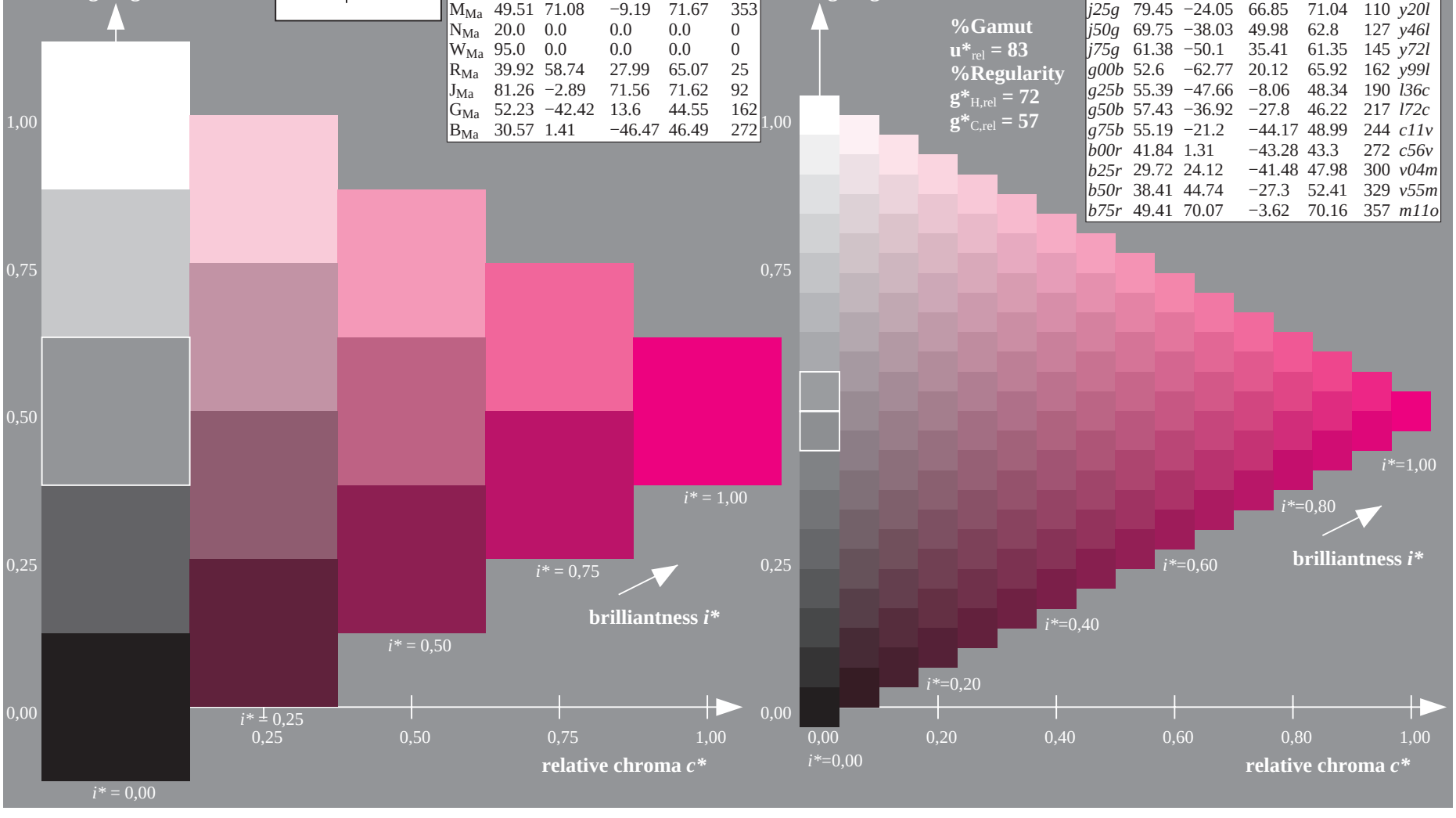
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

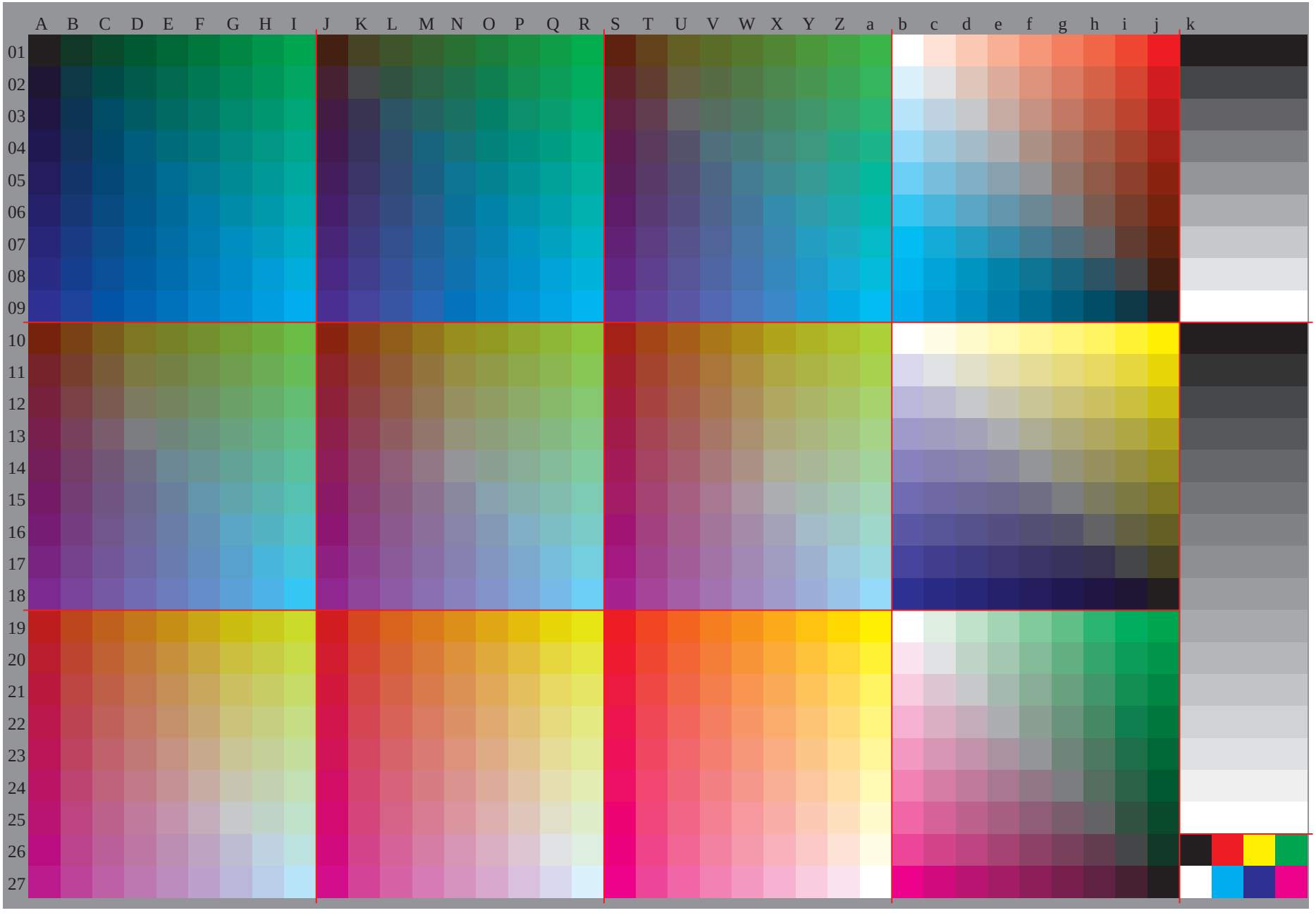
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 49 70 −4**
LAB*LCH*$_{Ma}$**: 49 70 357**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.5**
lab*olv*$_{Ma}$**: 1.0 0.0 0.89**
triangle lightness *t**

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

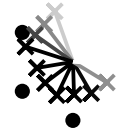
ORS20_95a; adapted (a) CIELAB data

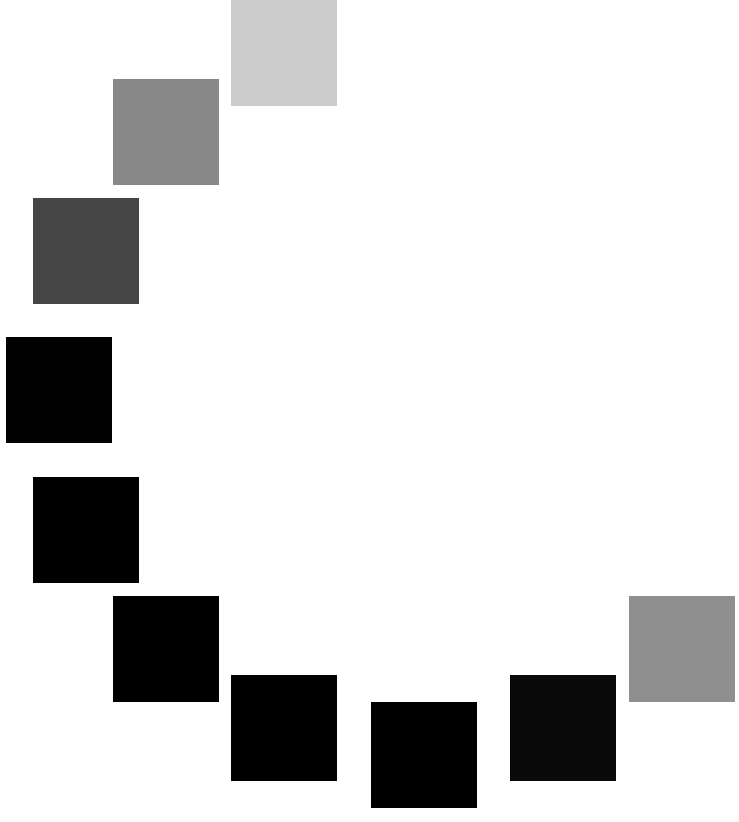
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*

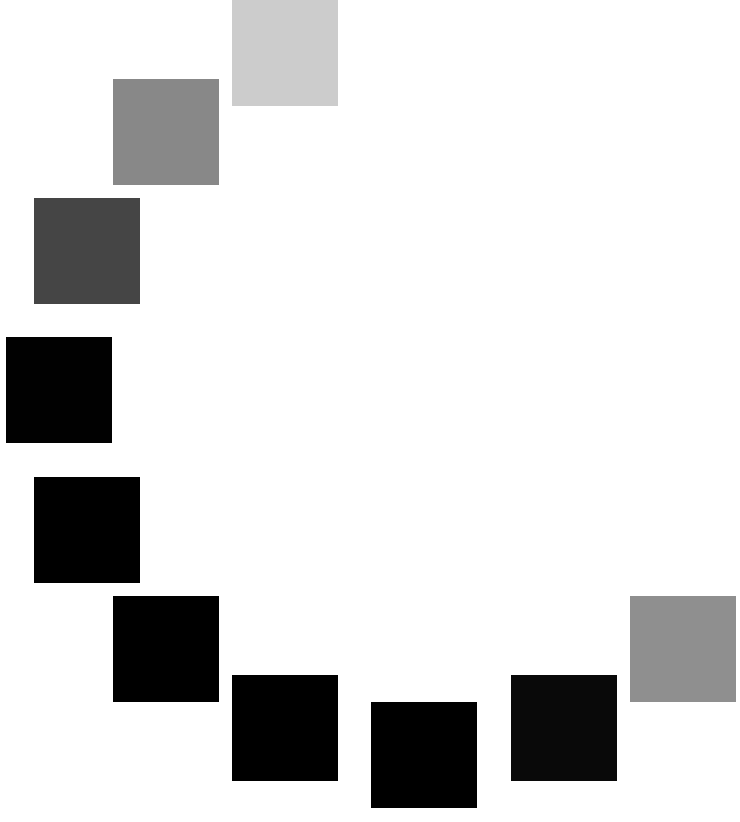


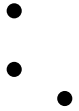


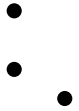
input: *000n / w / nnn0 / www set...*
output: *−>cmyn6* setcmykcolor*

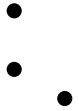


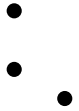


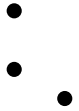


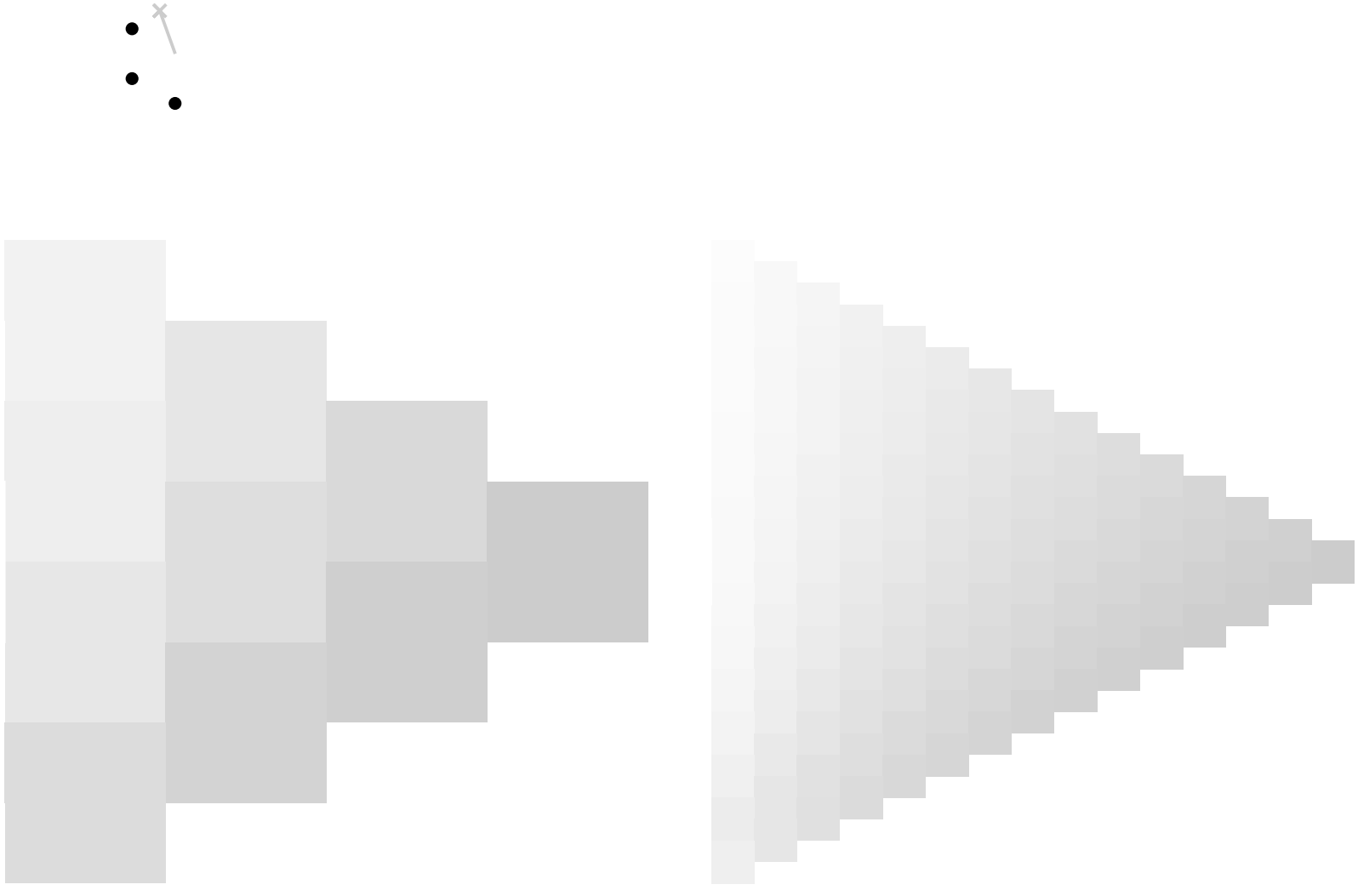




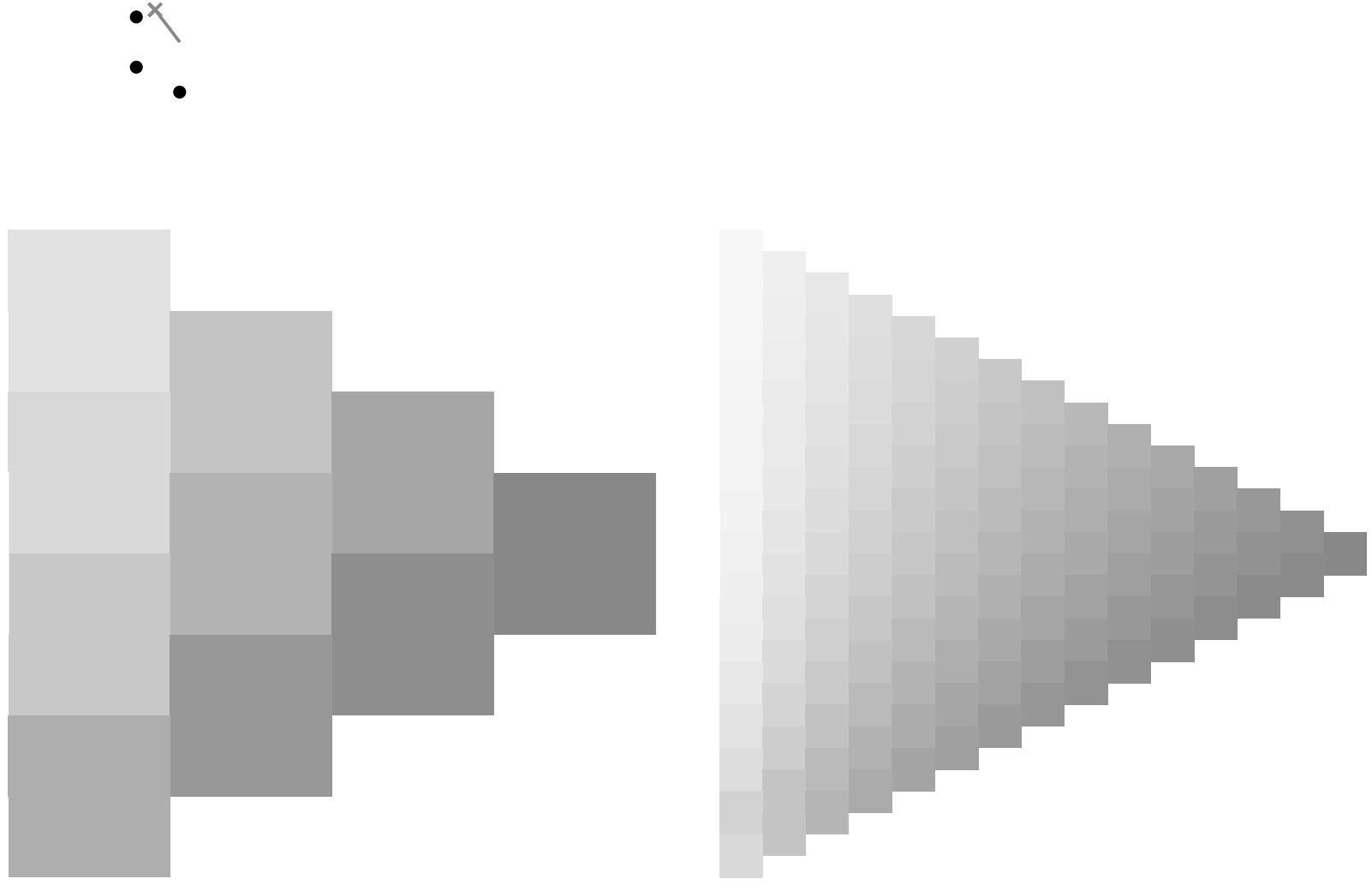


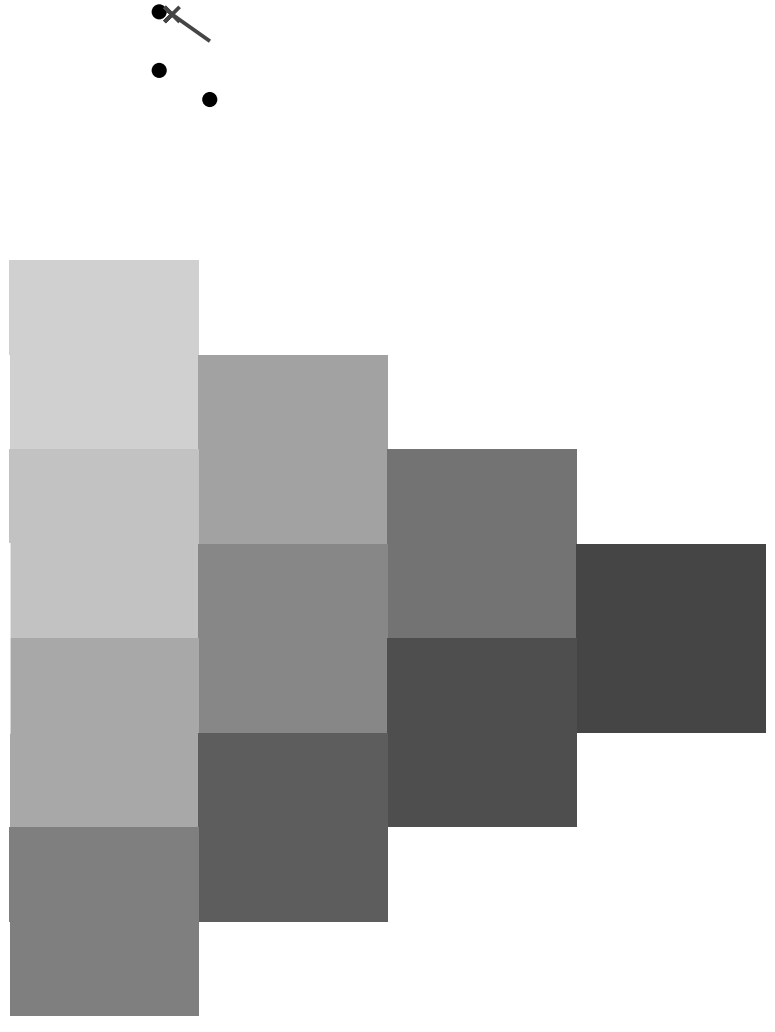


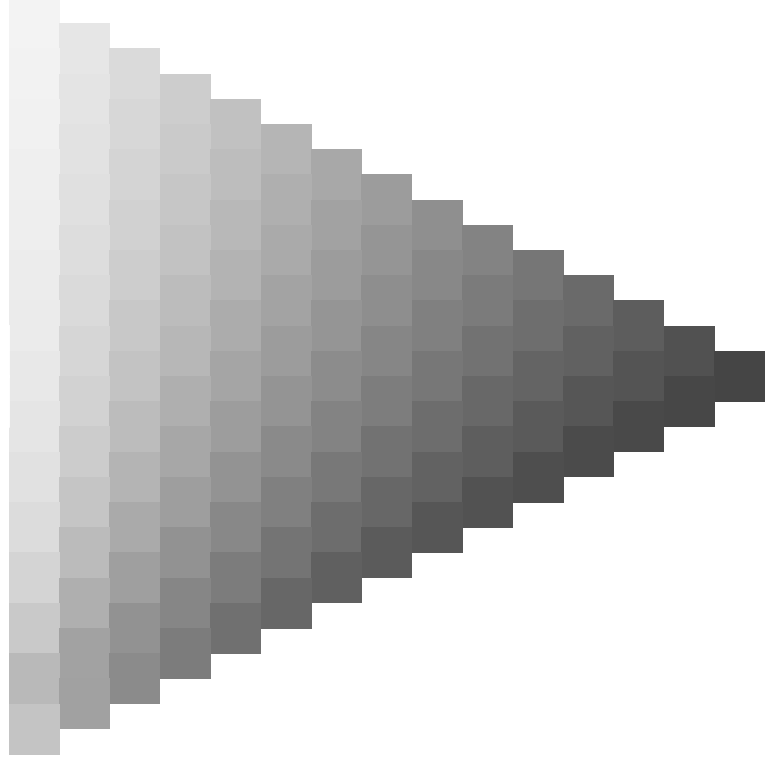


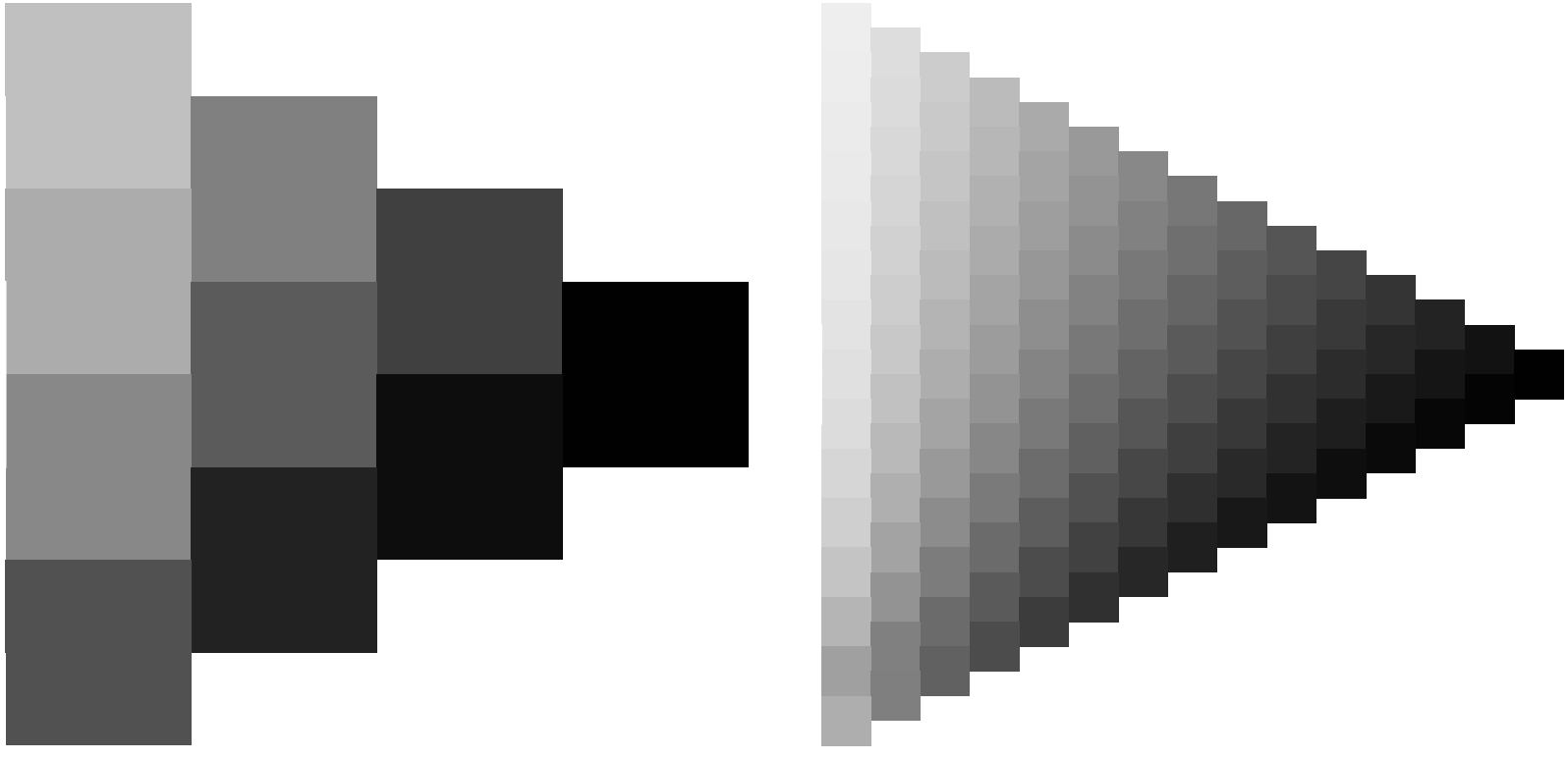


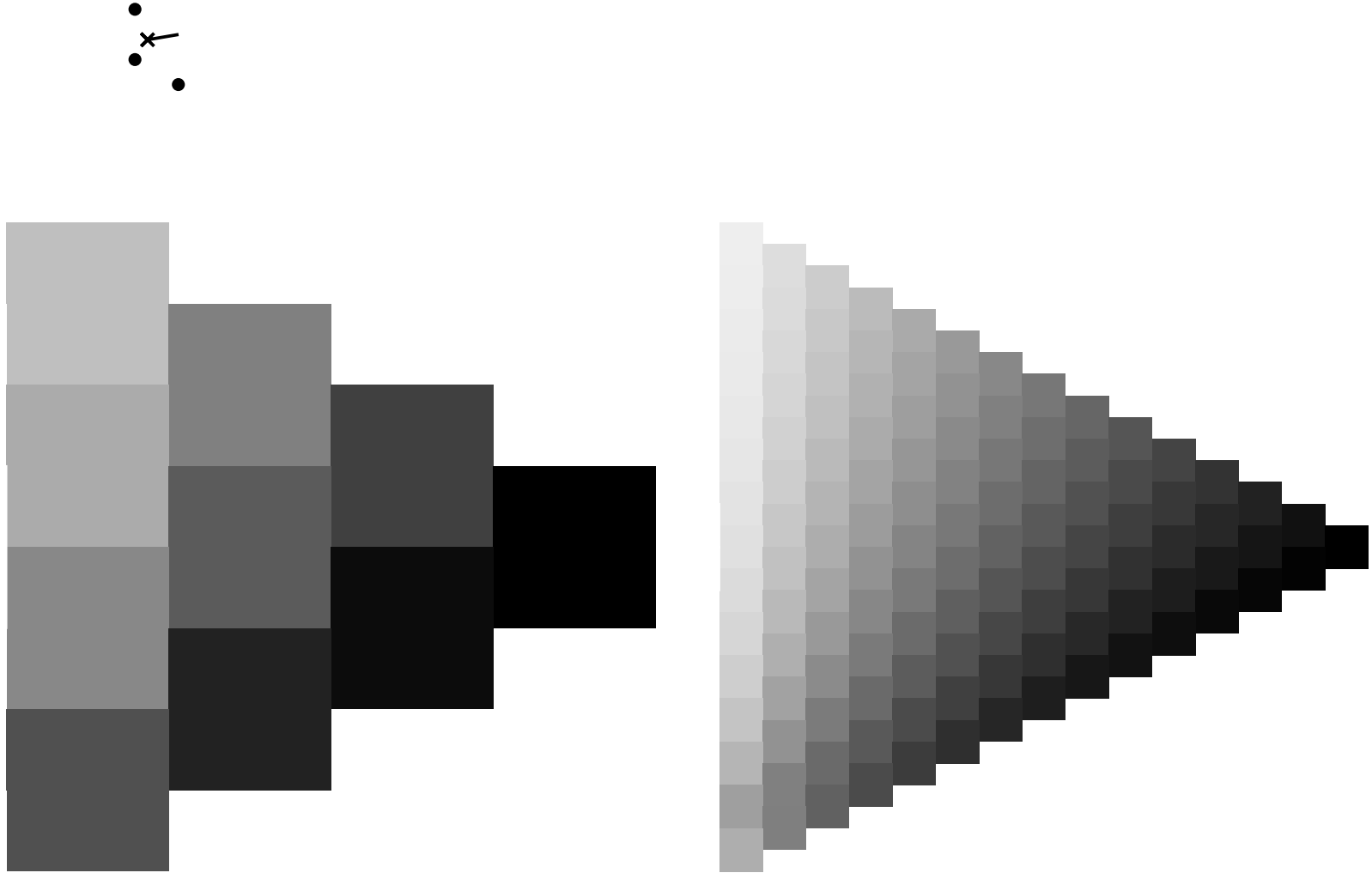
See for similar files: http://www.ps.bam.de/Ee13/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

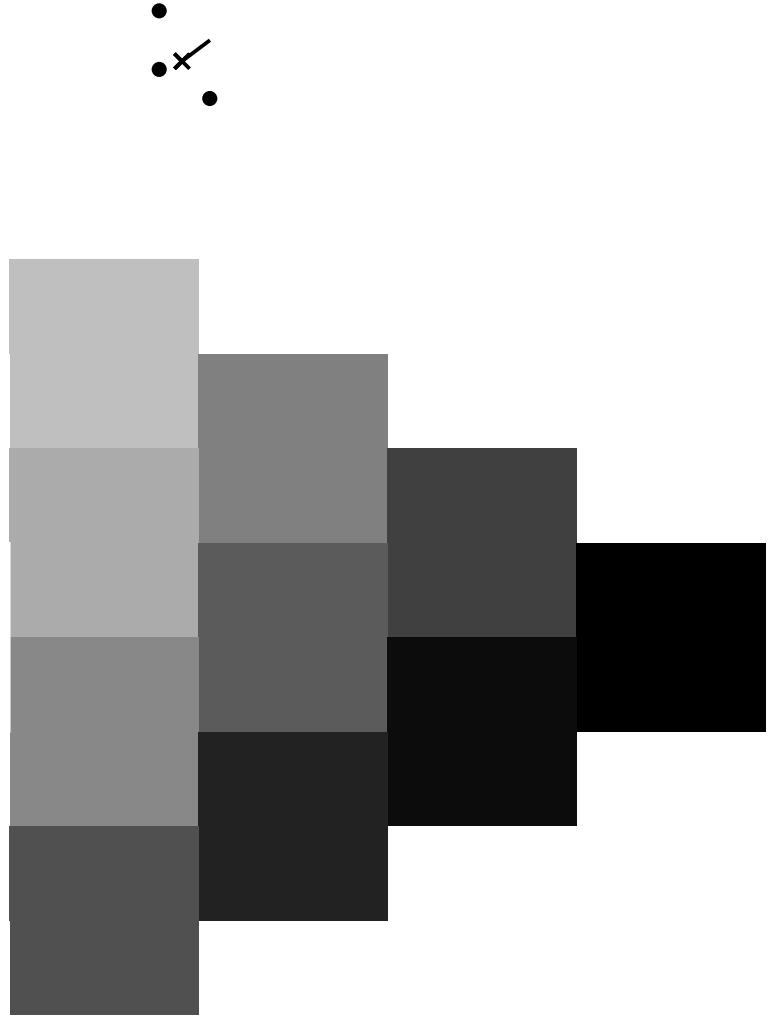


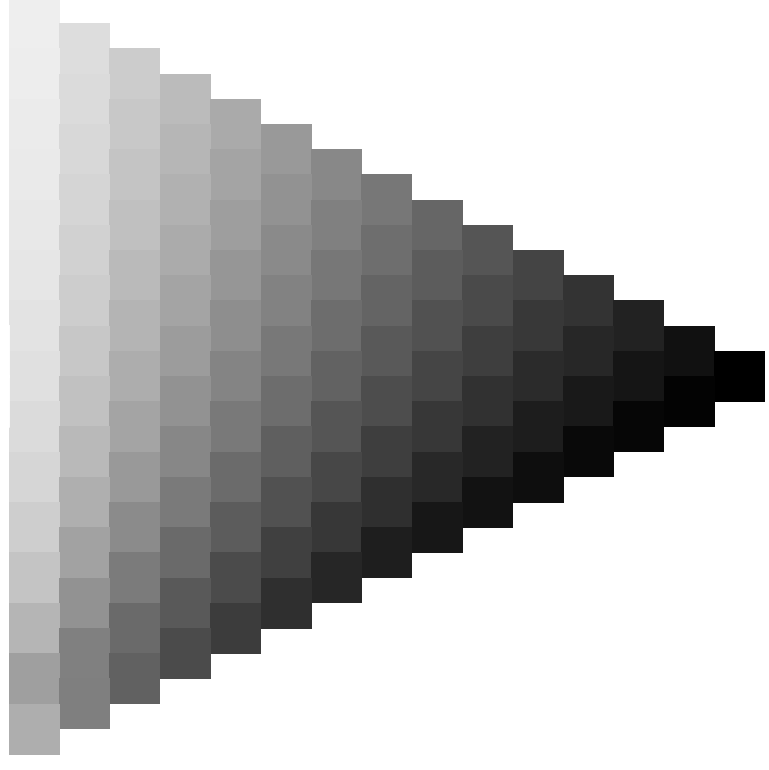


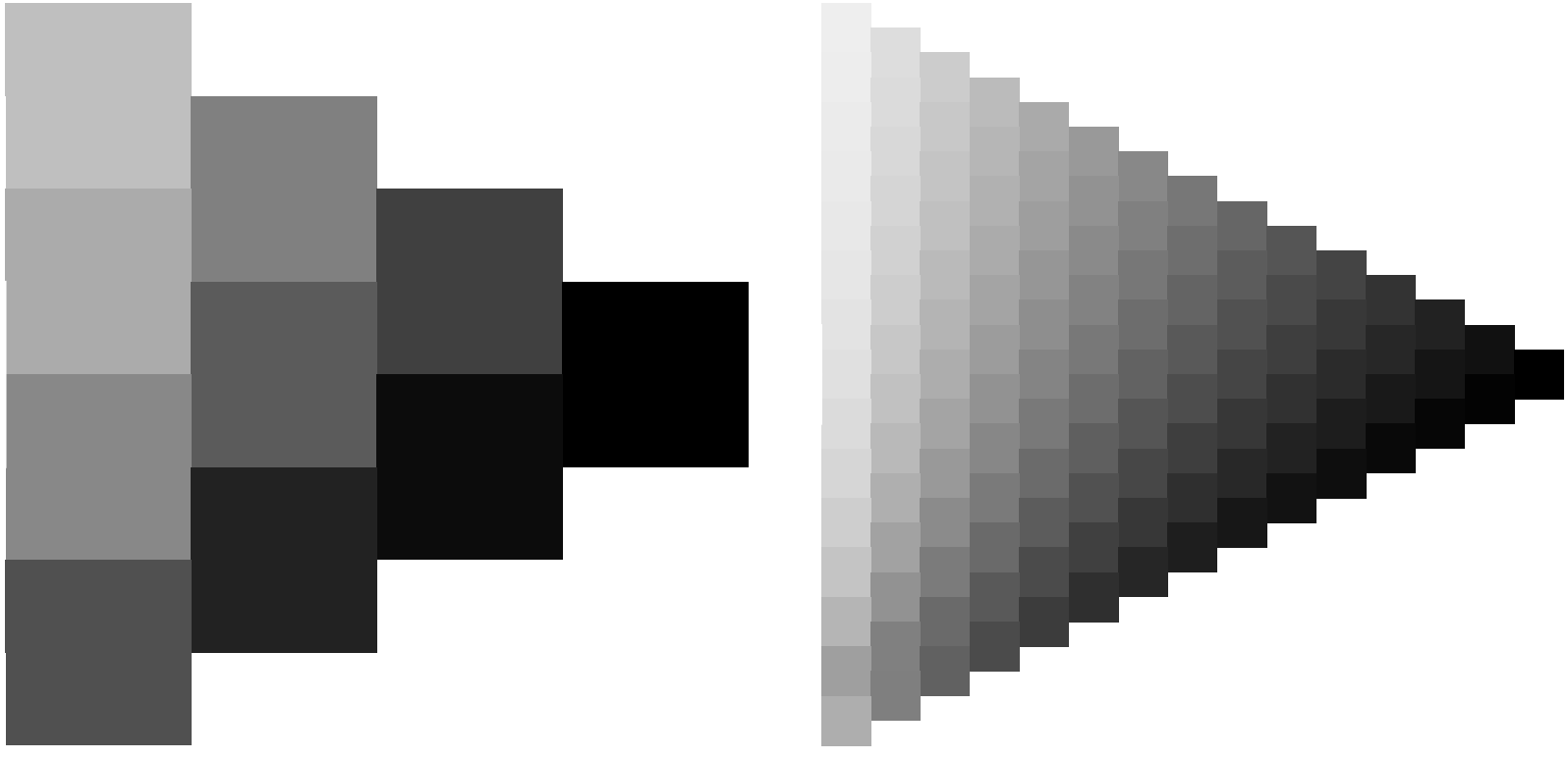


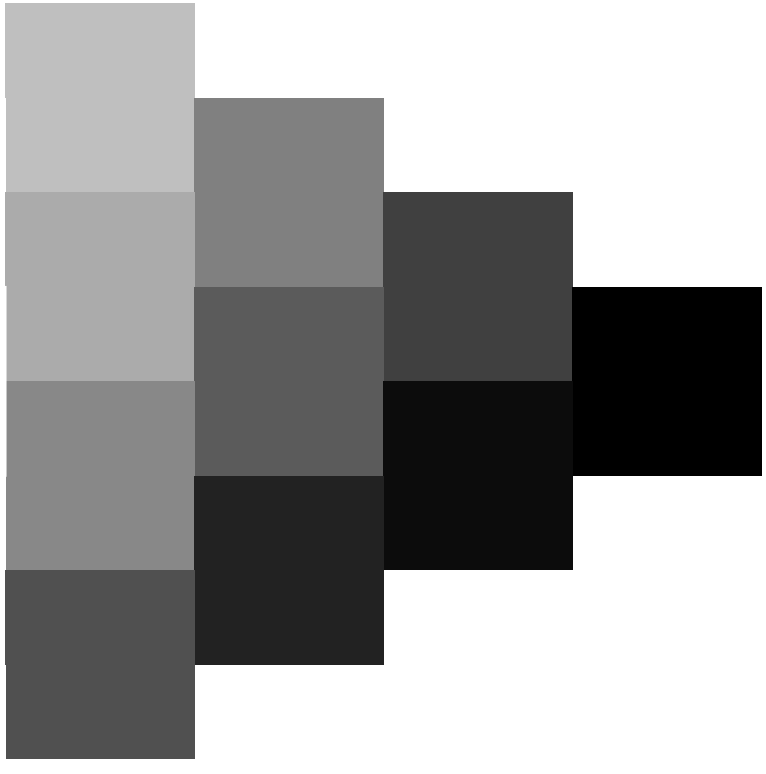


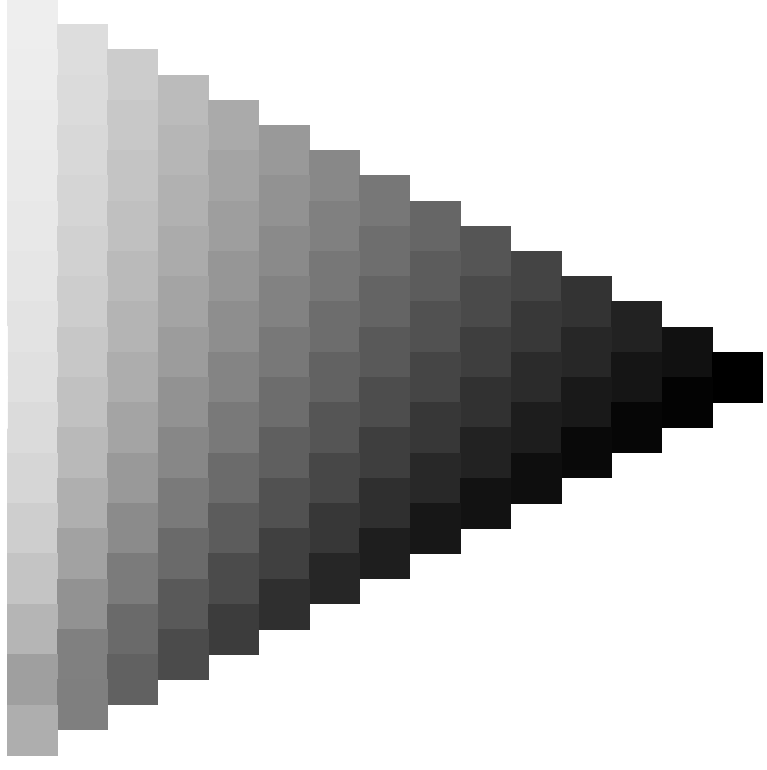


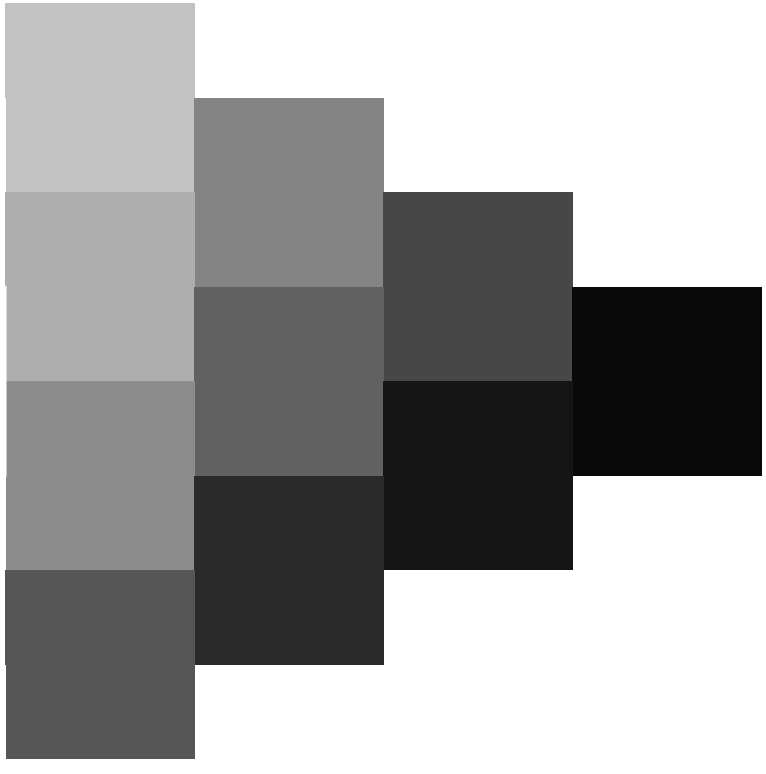


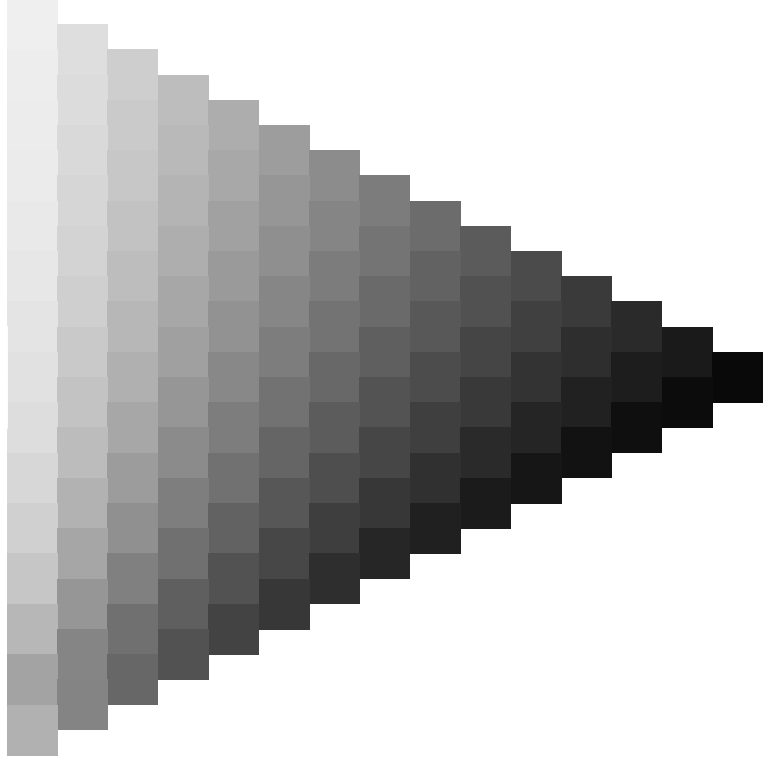


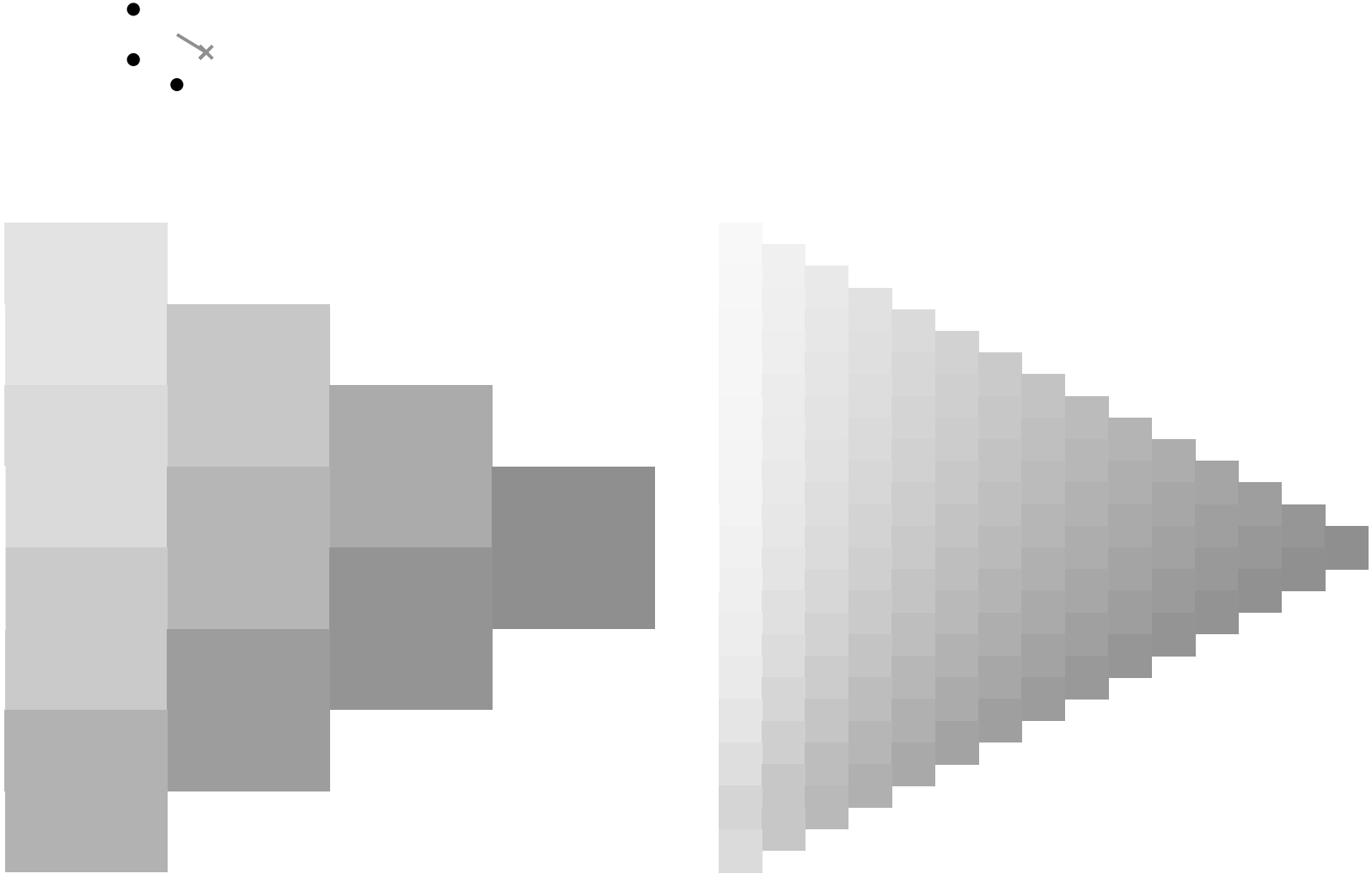


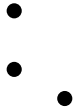


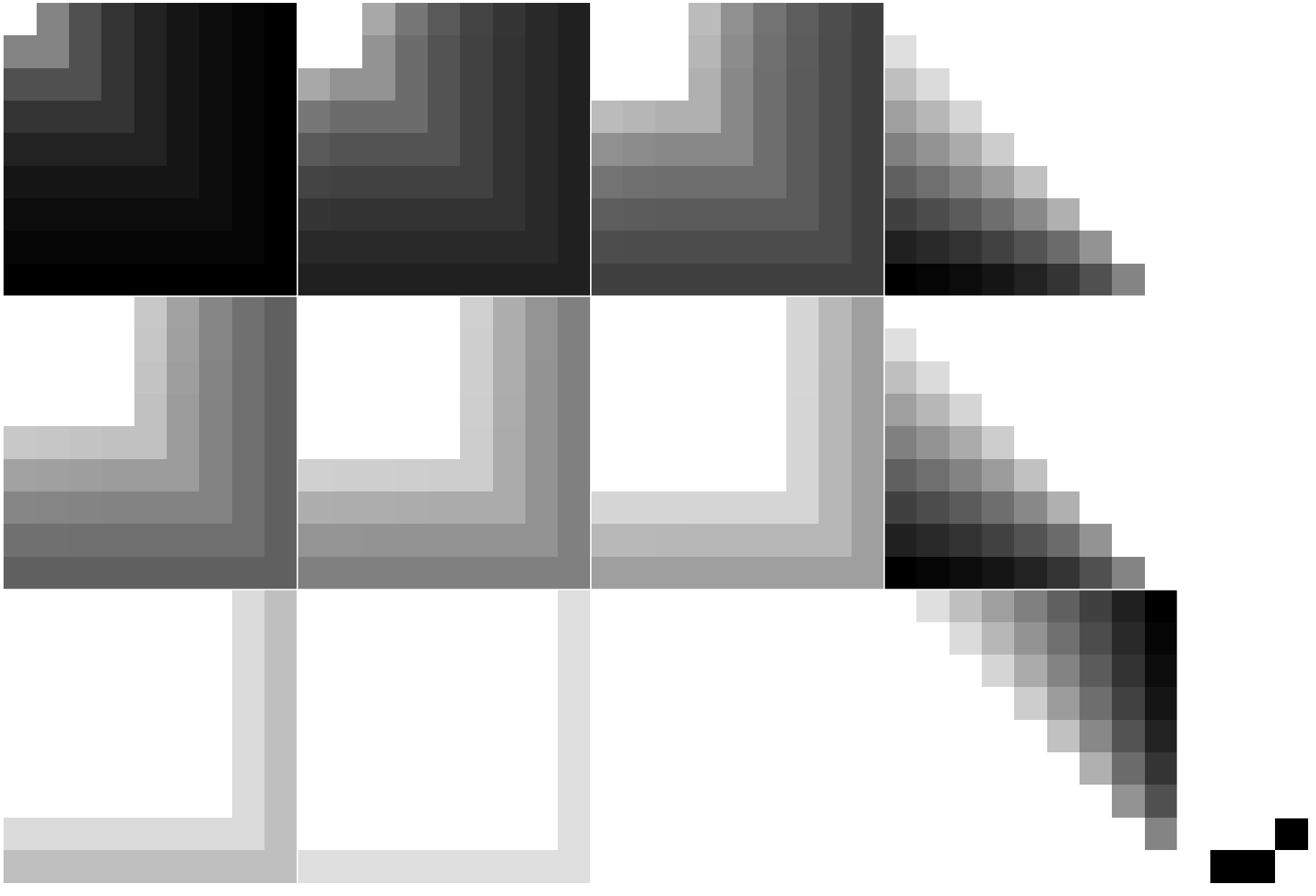


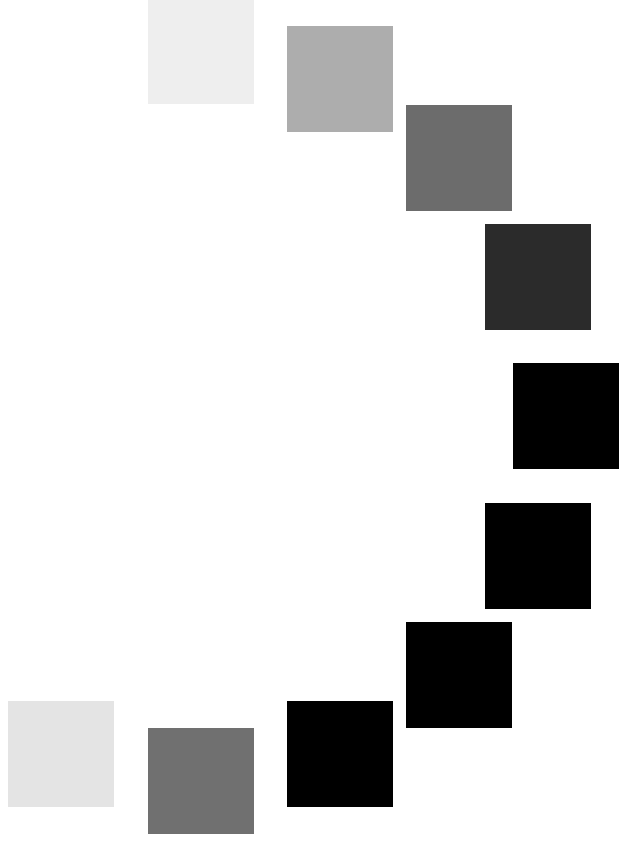


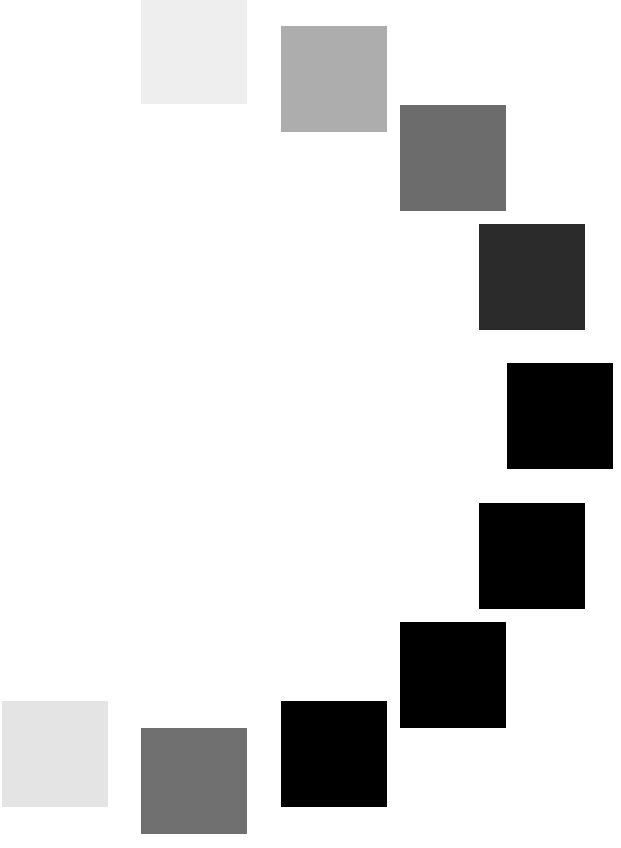




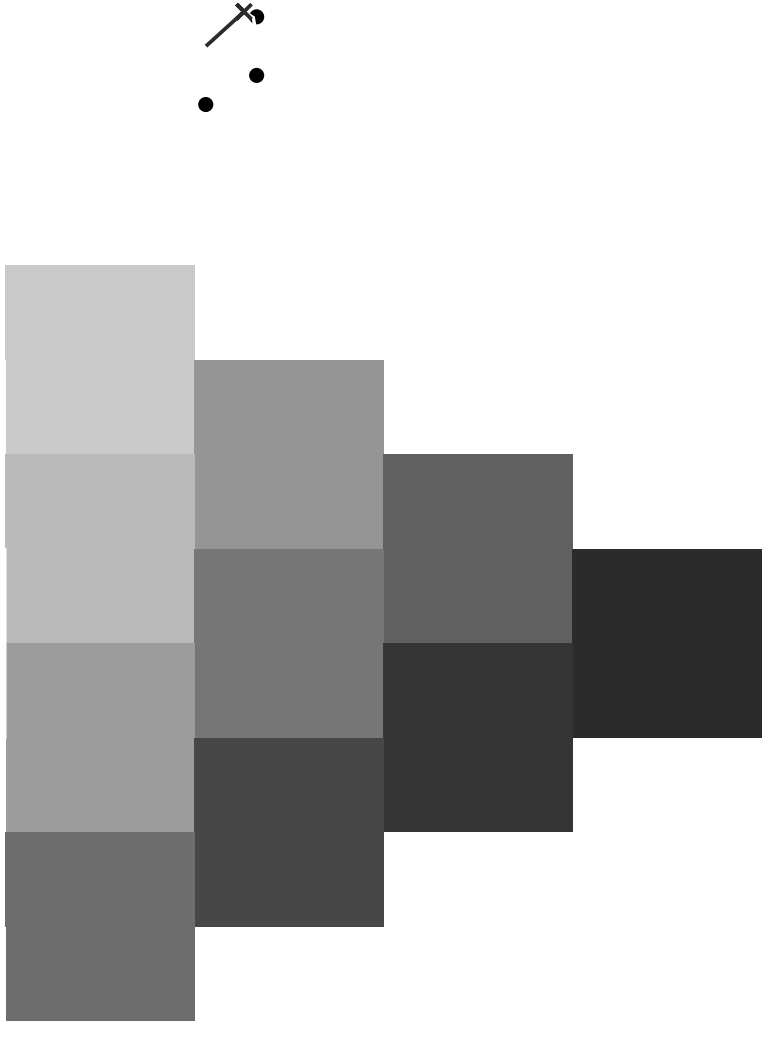


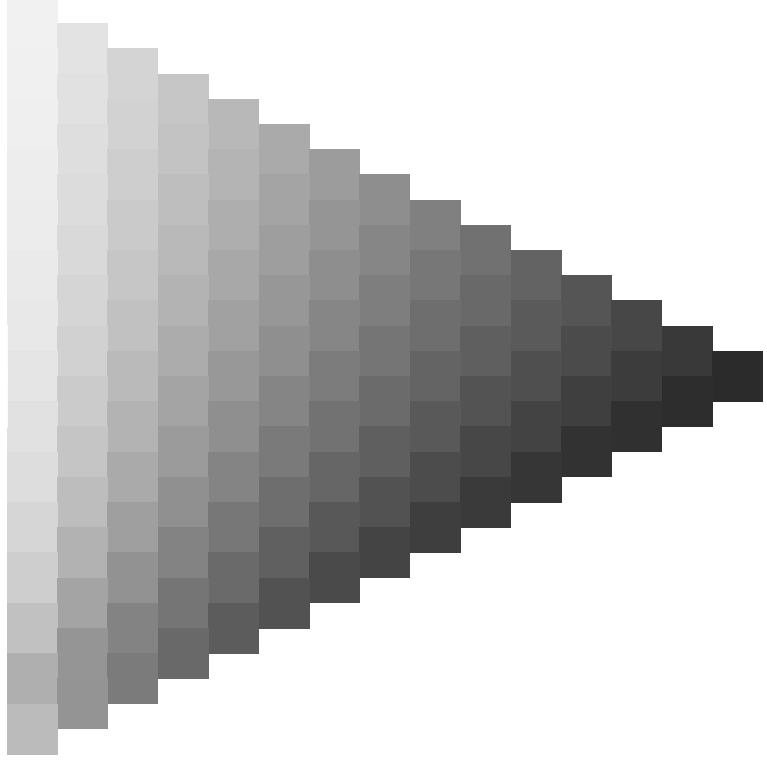






See for similar files: http://www.ps.bam.de/Ee13/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1





BAM registration: 20081001-Ee13/10L/L13E00NP.PS/ .PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

See for similar files: http://www.ps.bam.de/Ee13/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

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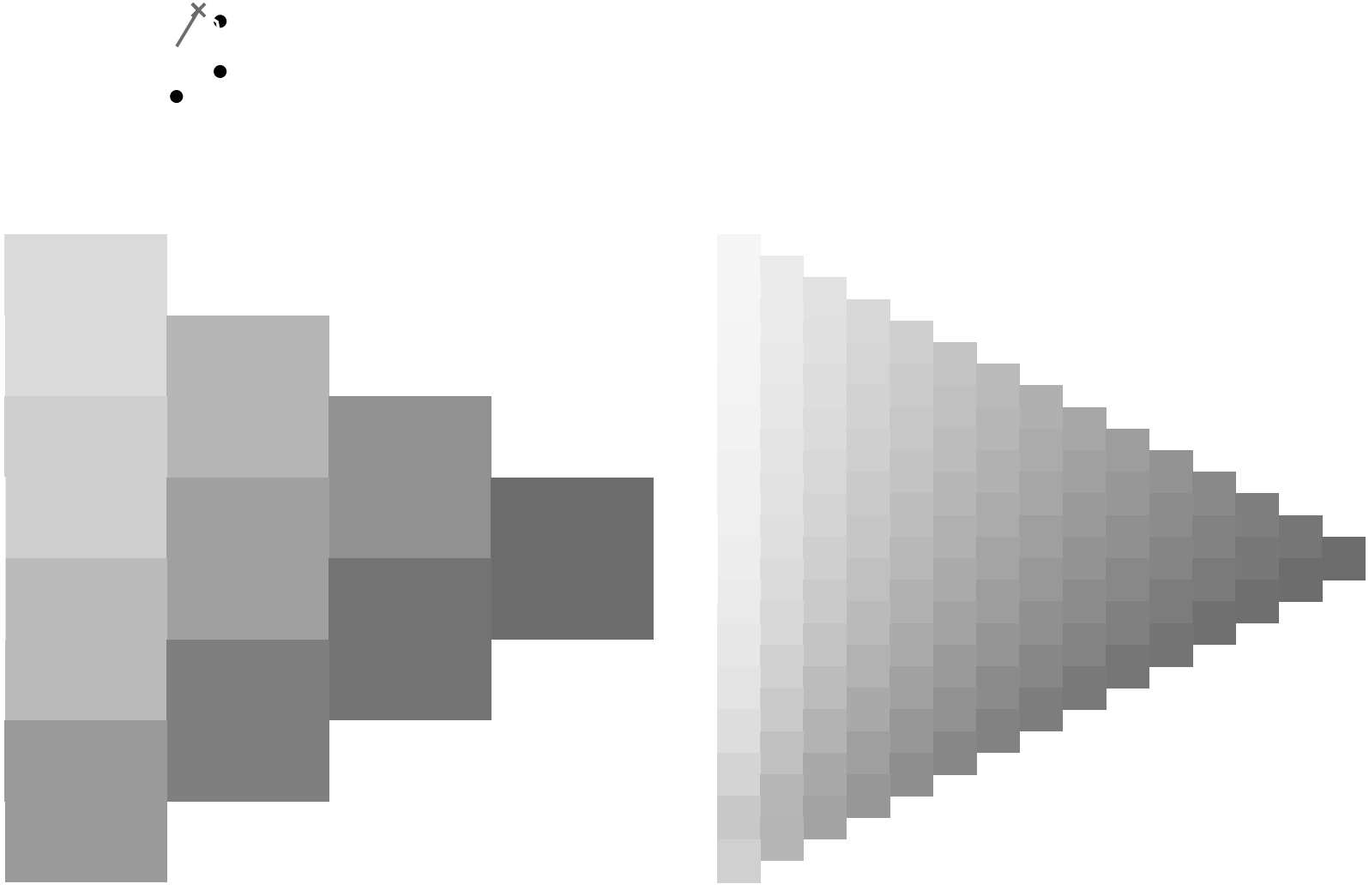

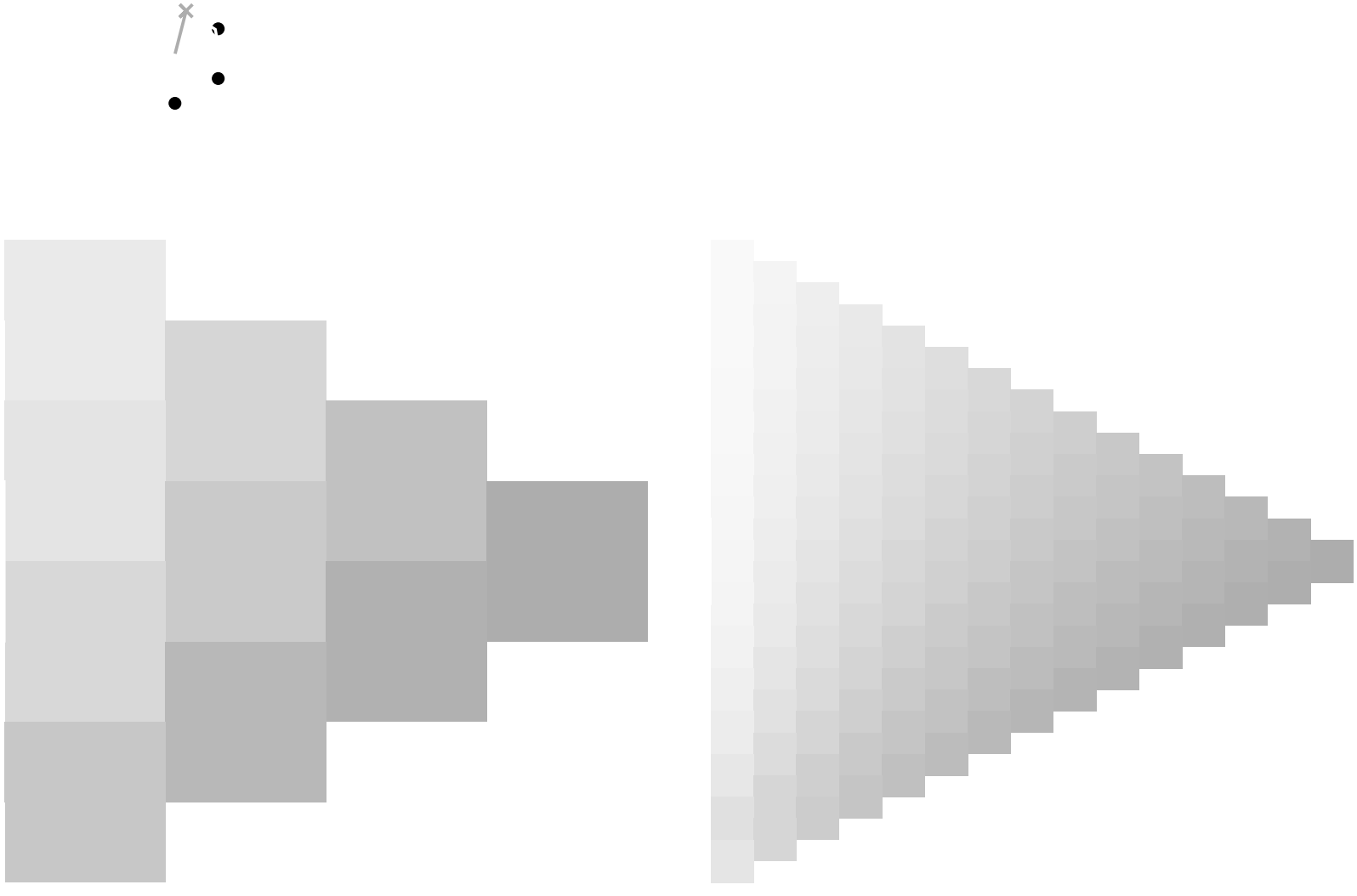

See for similar files: http://www.ps.bam.de/Ee13/; www.ps.bam.de/Ee.HTM
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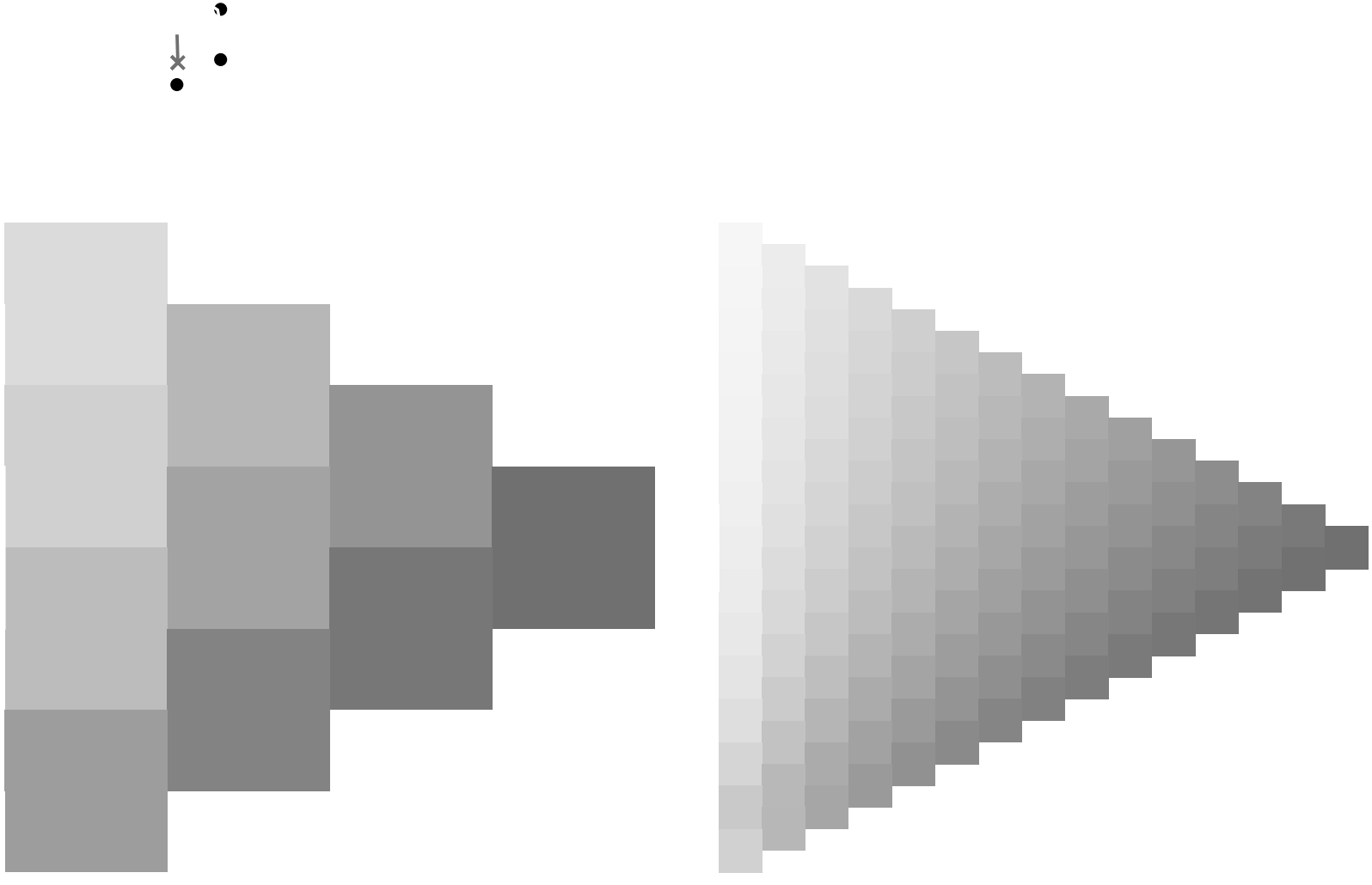

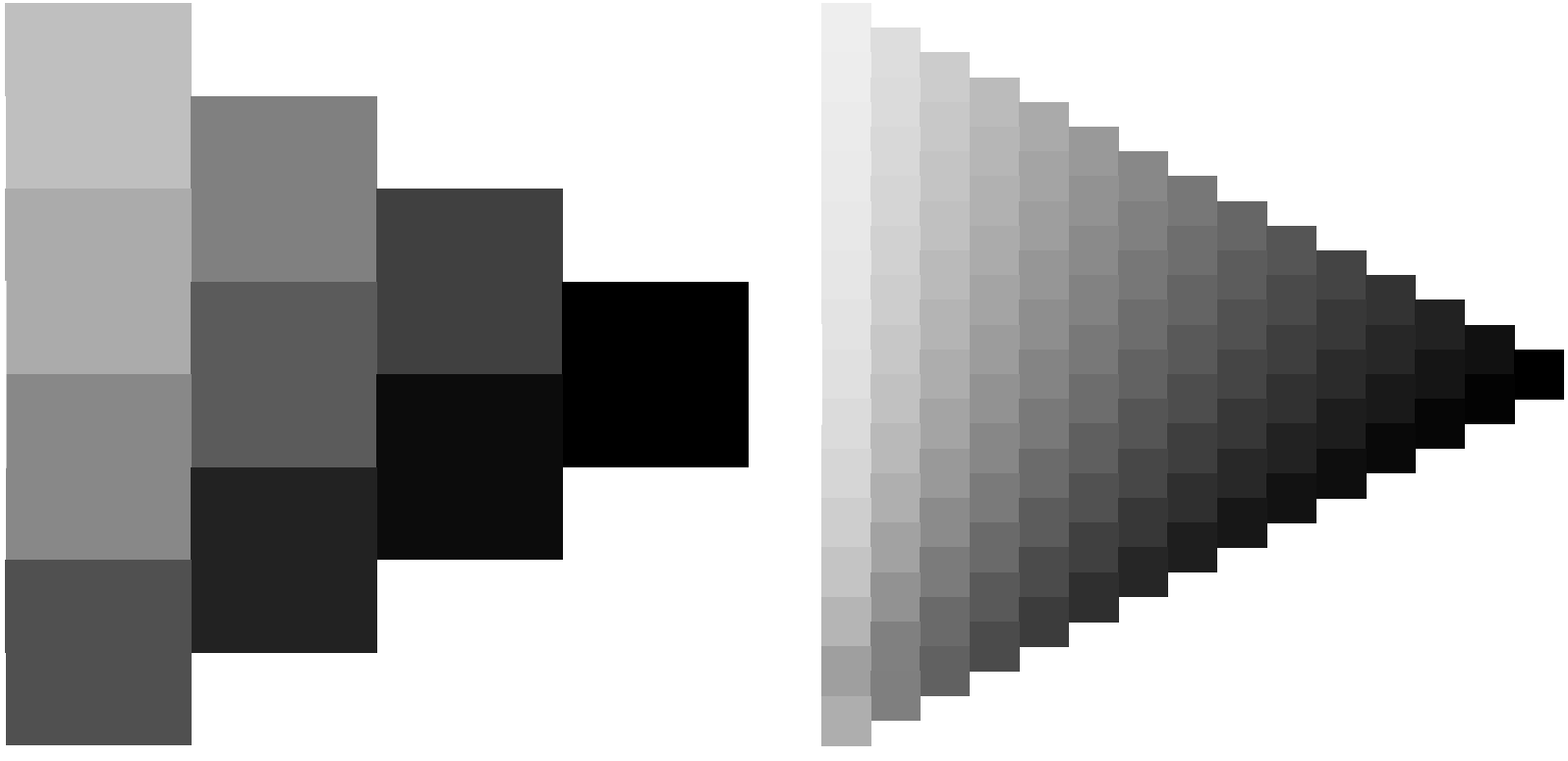

See for similar files: http://www.ps.bam.de/Ee13/; www.ps.bam.de/Ee.HTM
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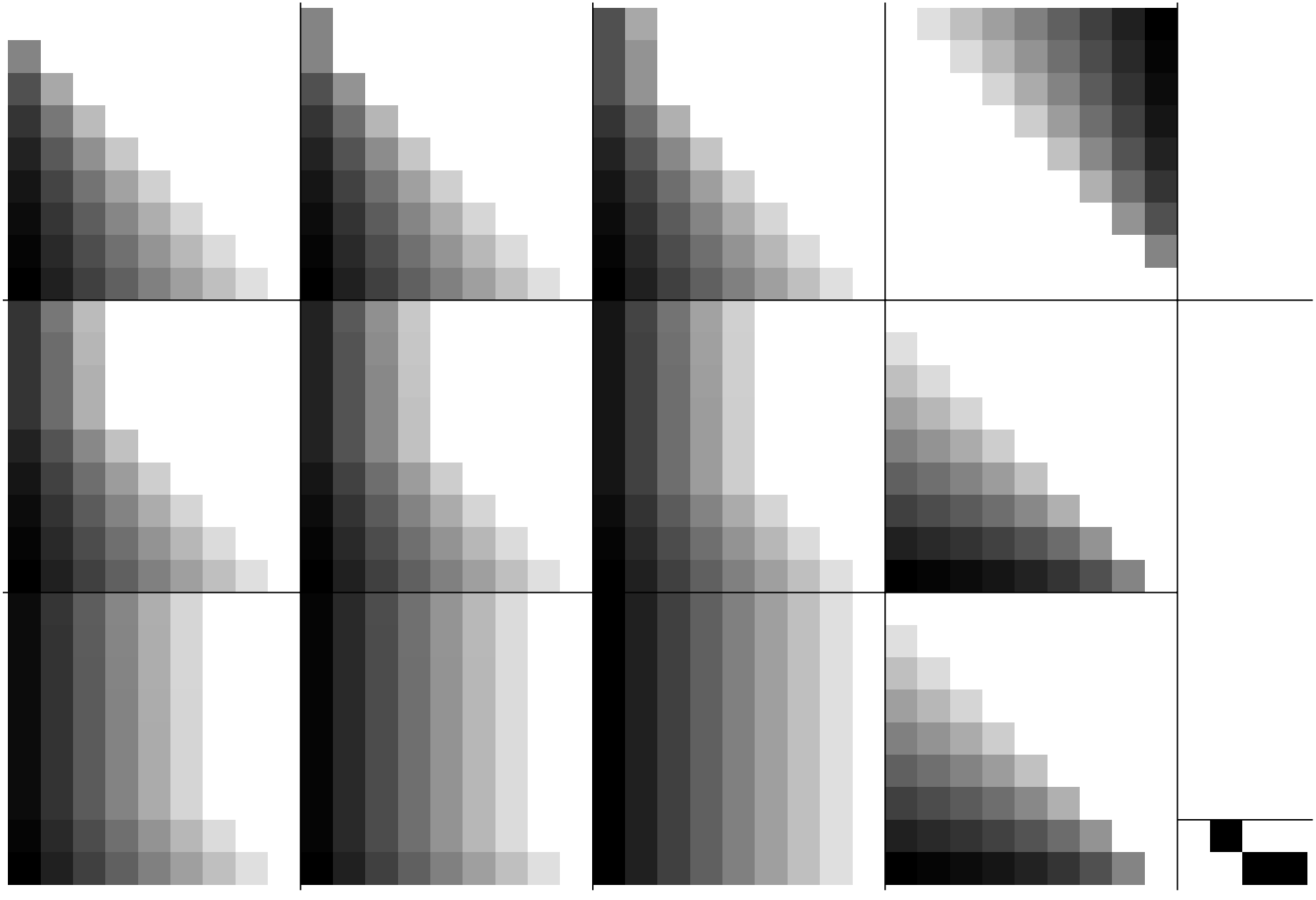

BAM registration: 20081001-Ee13/10L/L13E00NP.PS/ .PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

See for similar files: http://www.ps.bam.de/Ee13/; www.ps.bam.de/Ee.HTM
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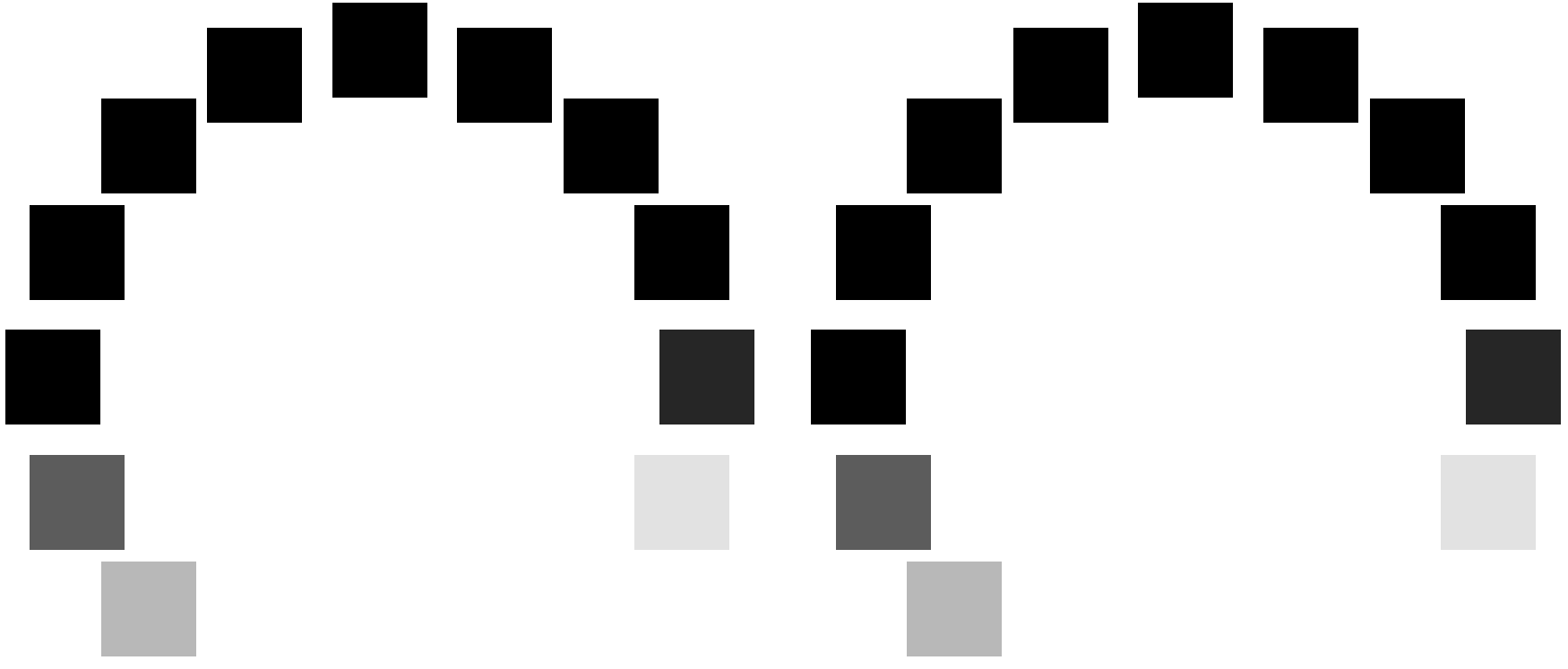

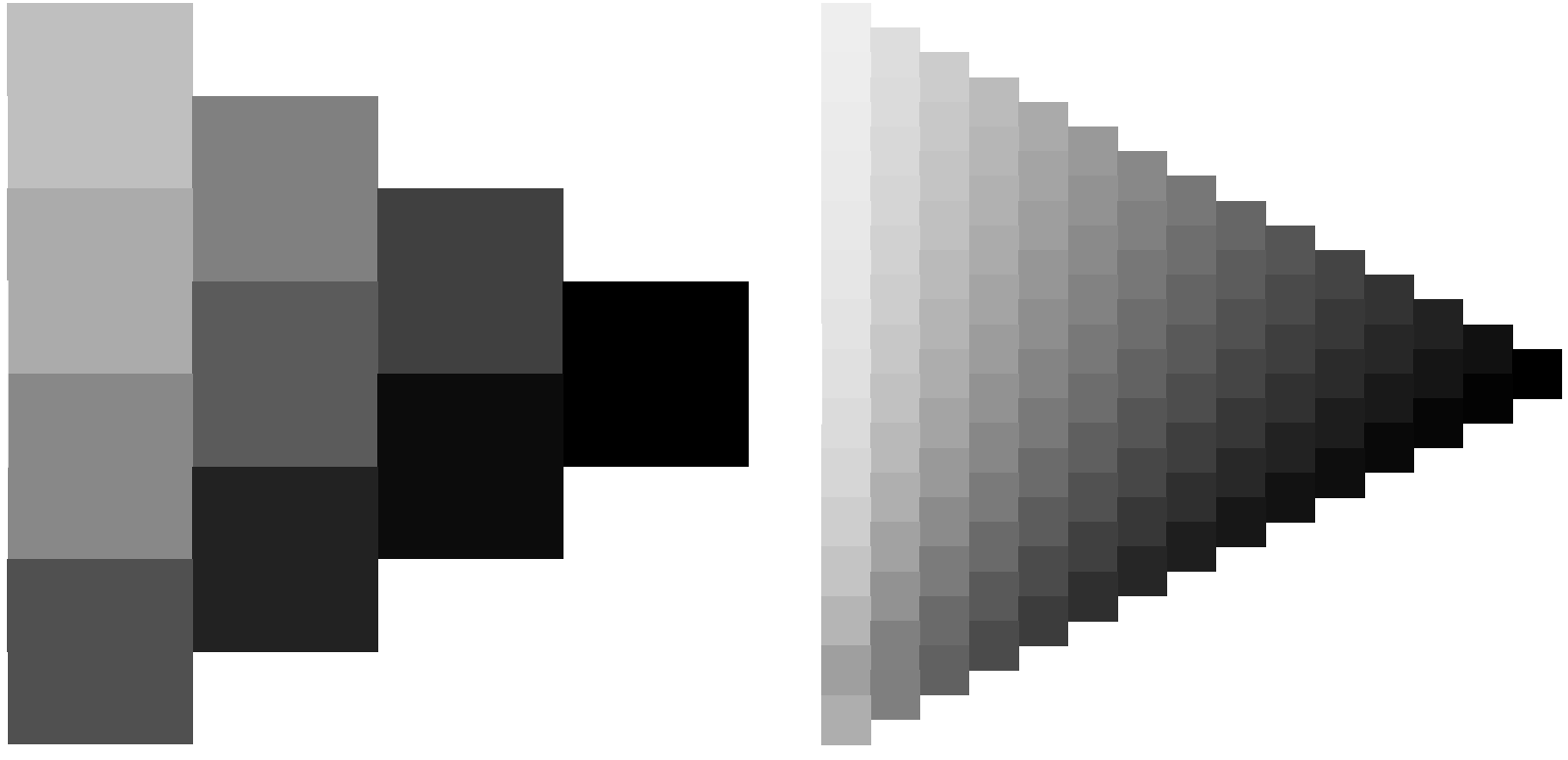

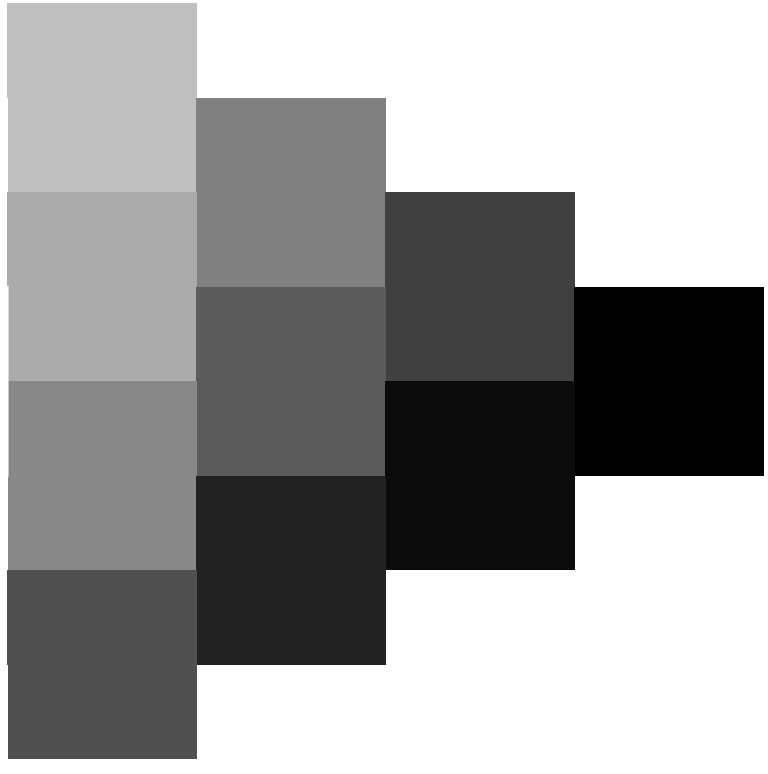

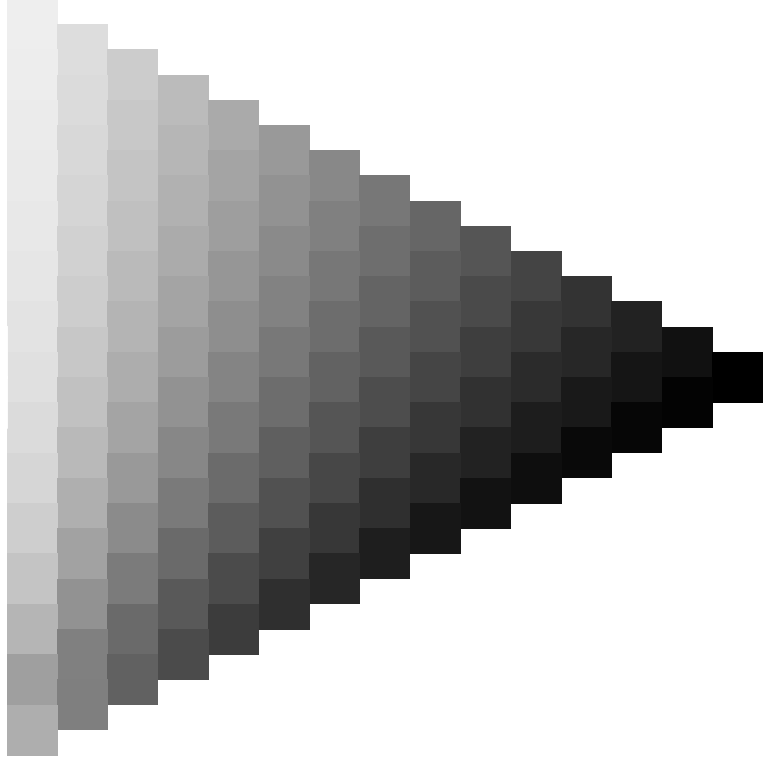

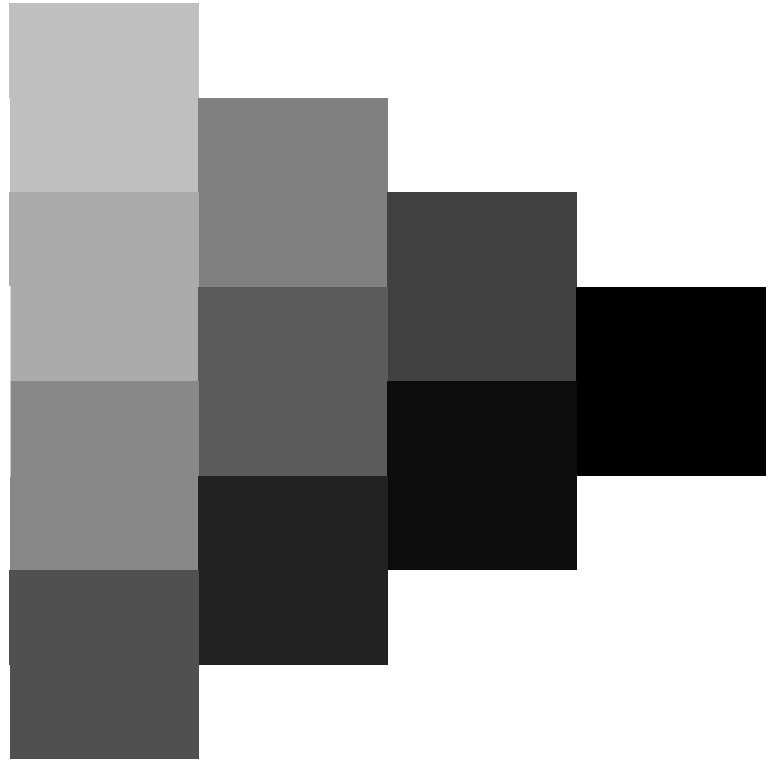

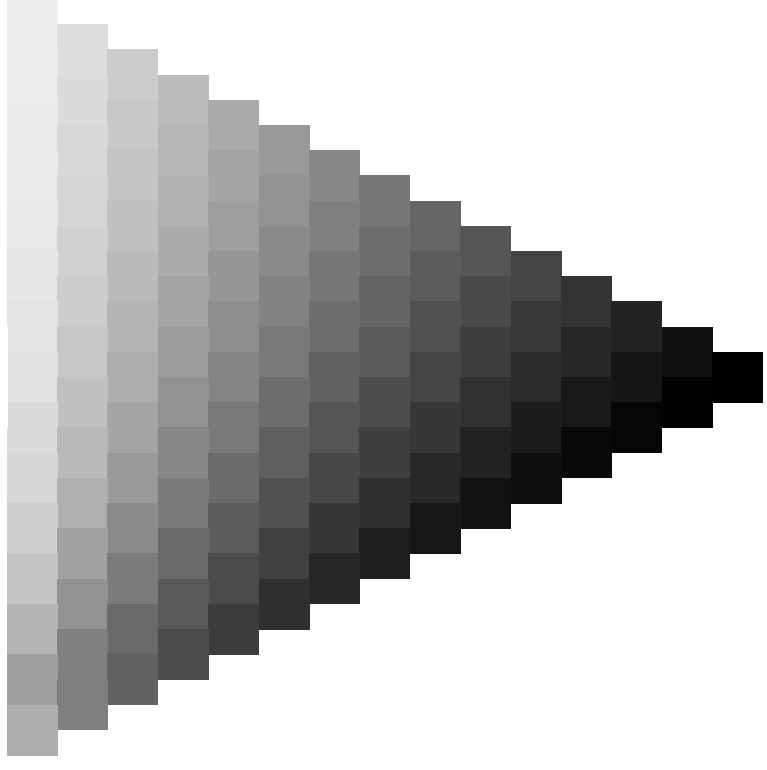

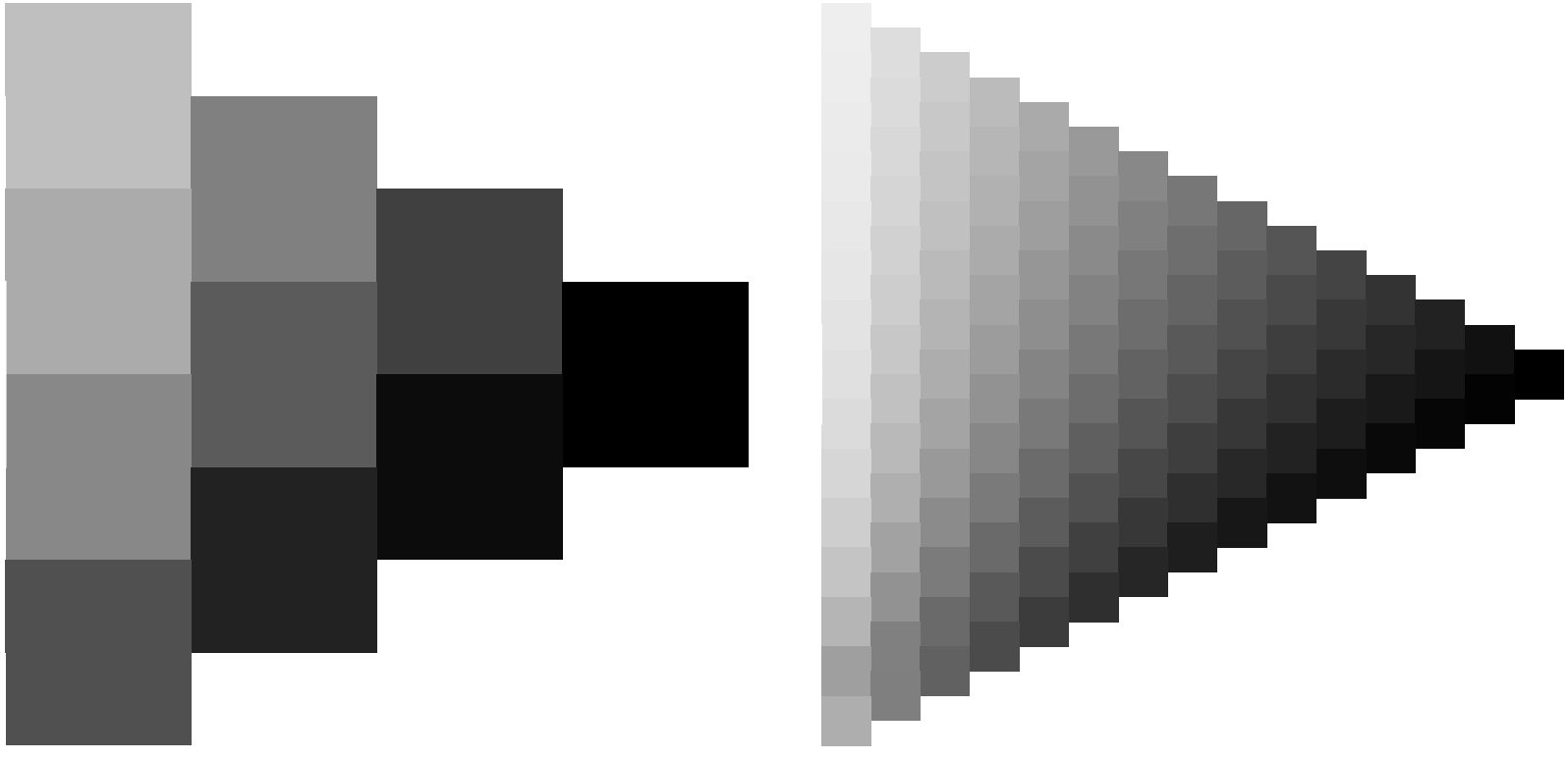

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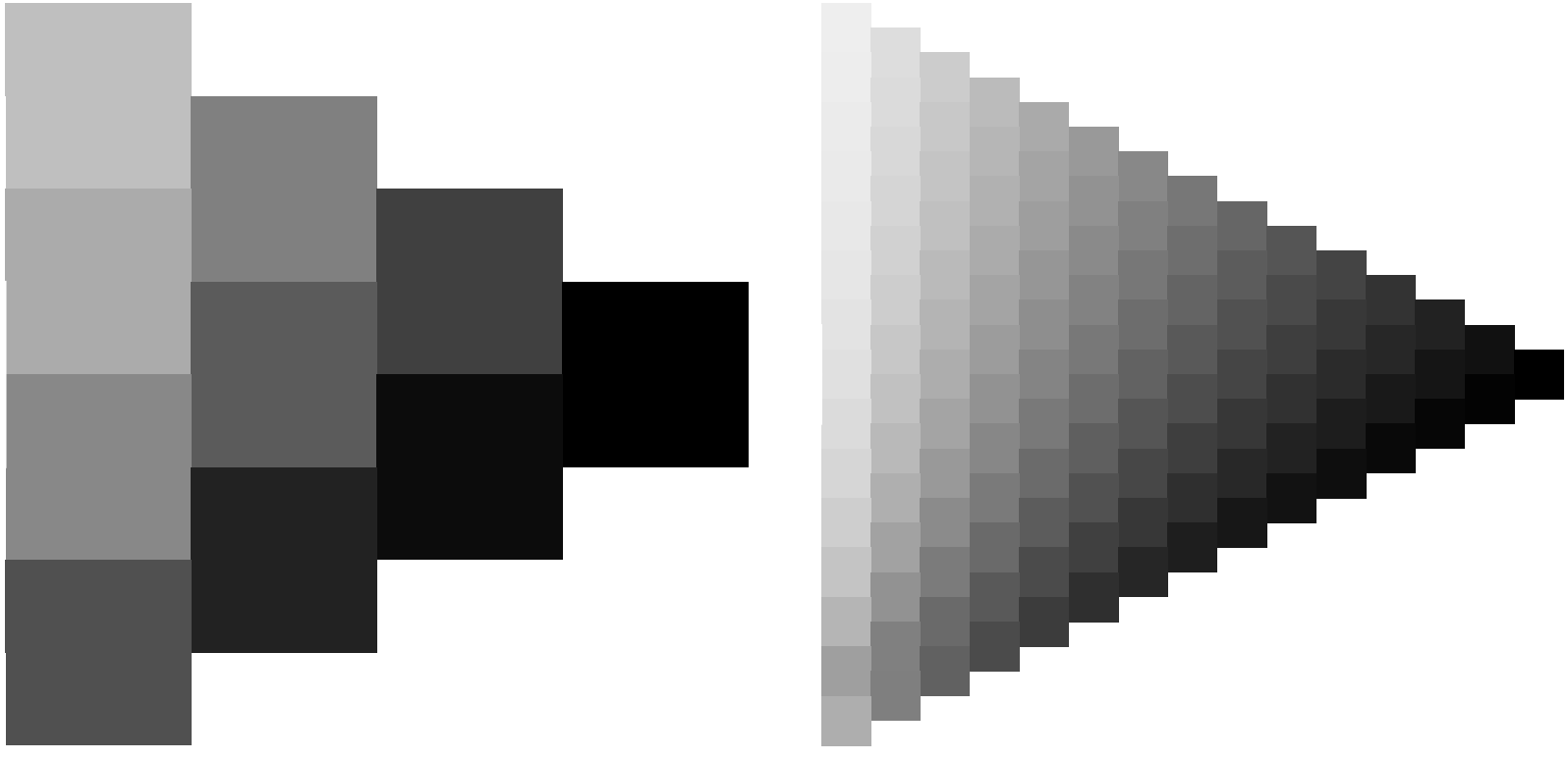

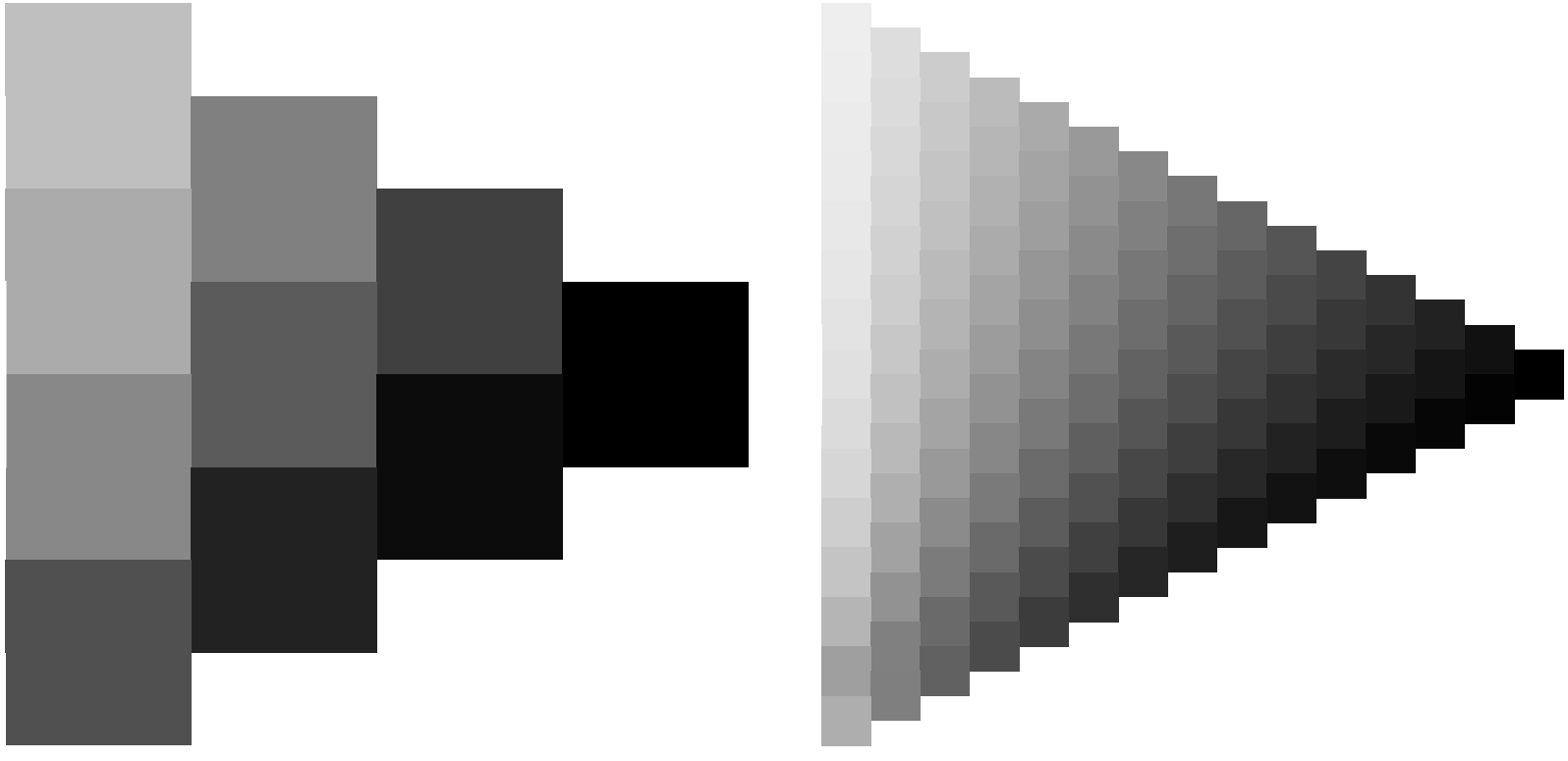

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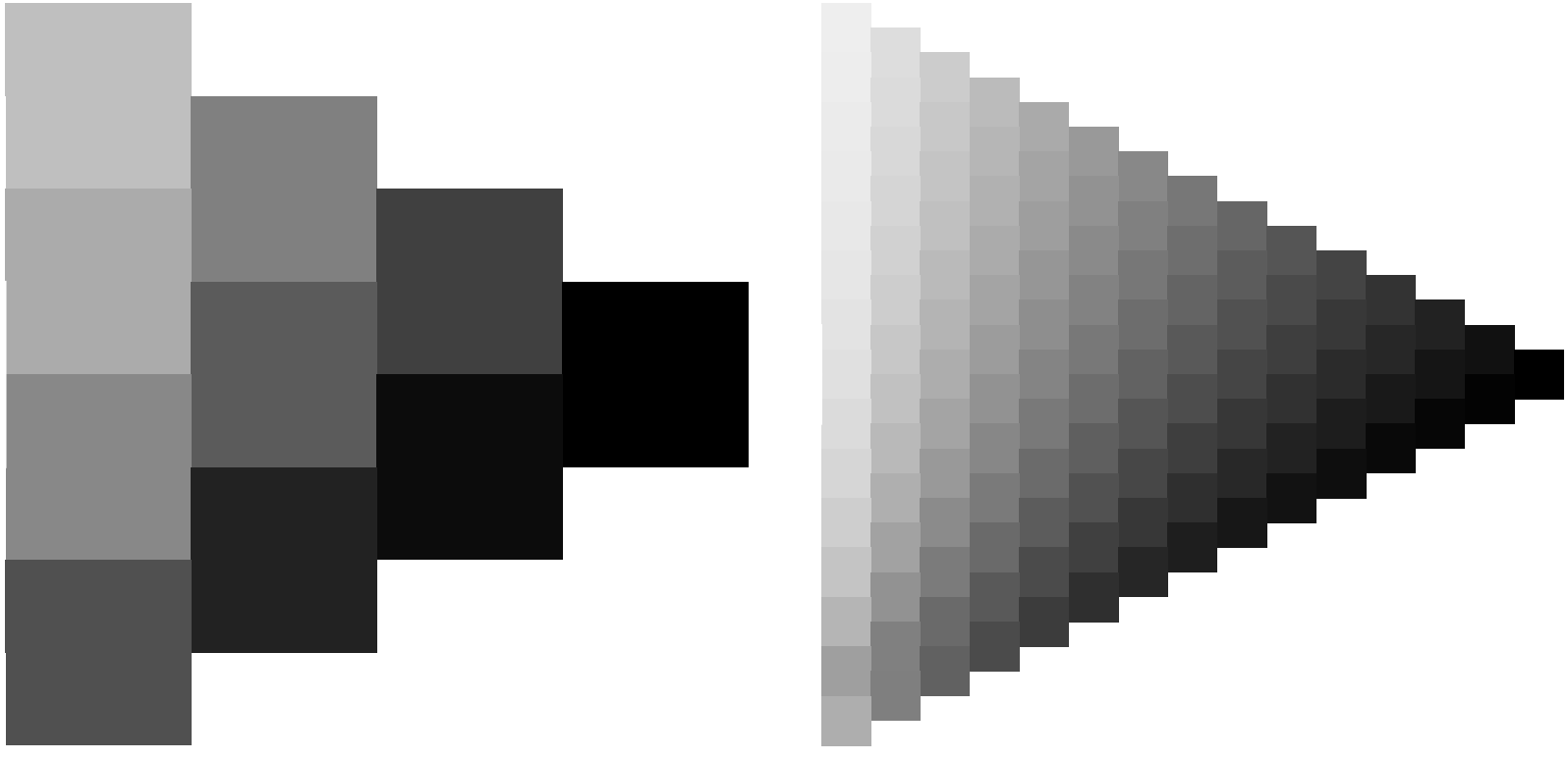

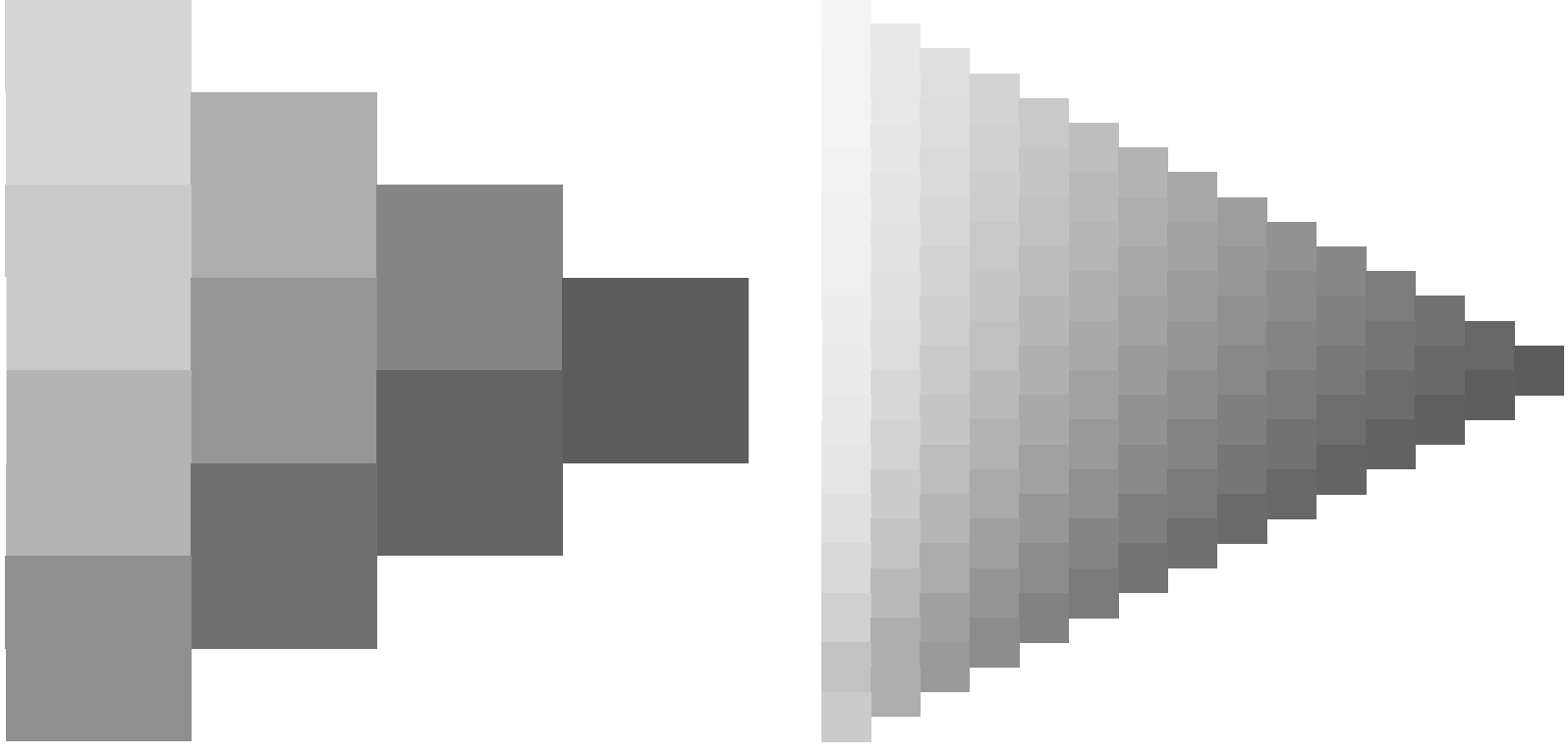

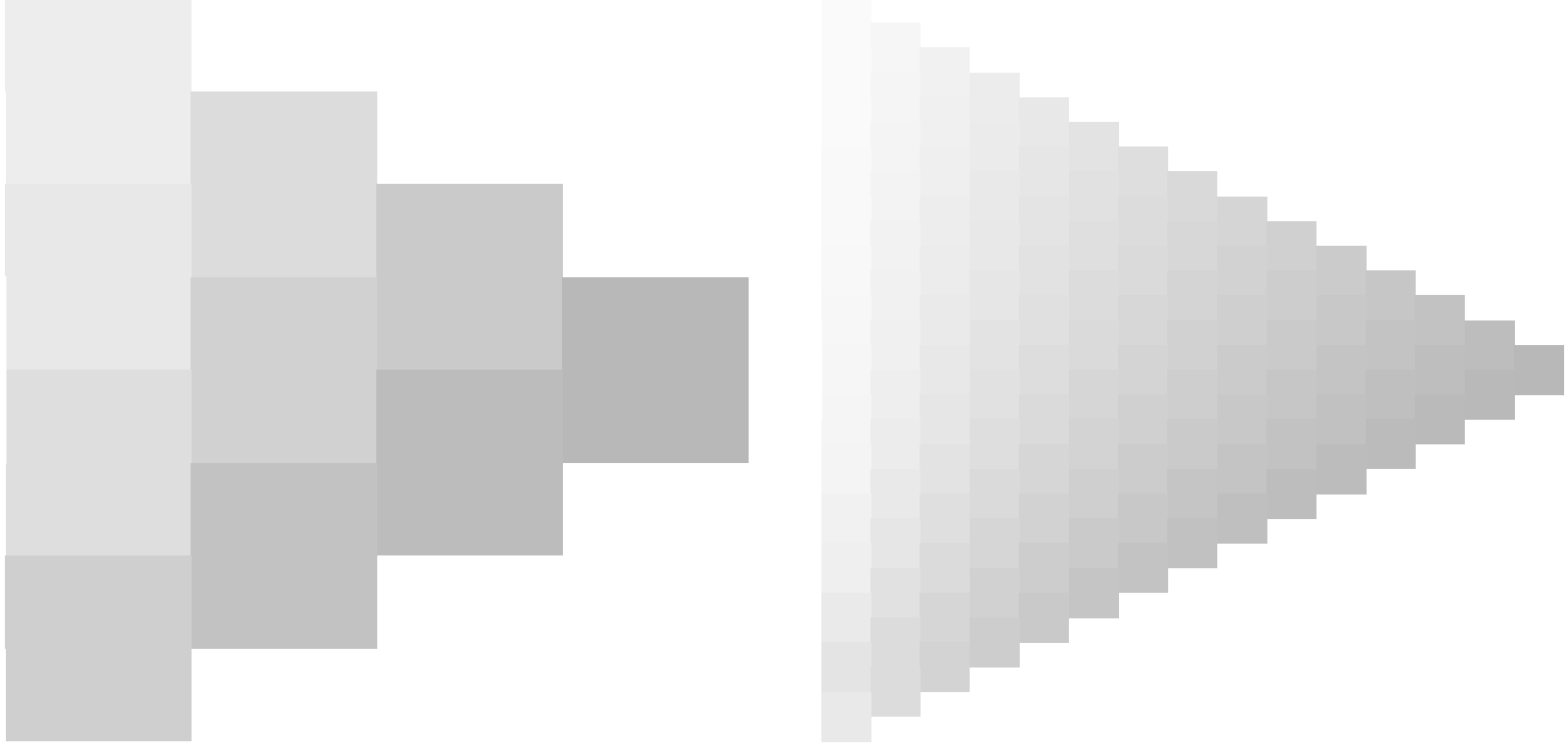

See for similar files: http://www.ps.bam.de/Ee13/; www.ps.bam.de/Ee.HTM
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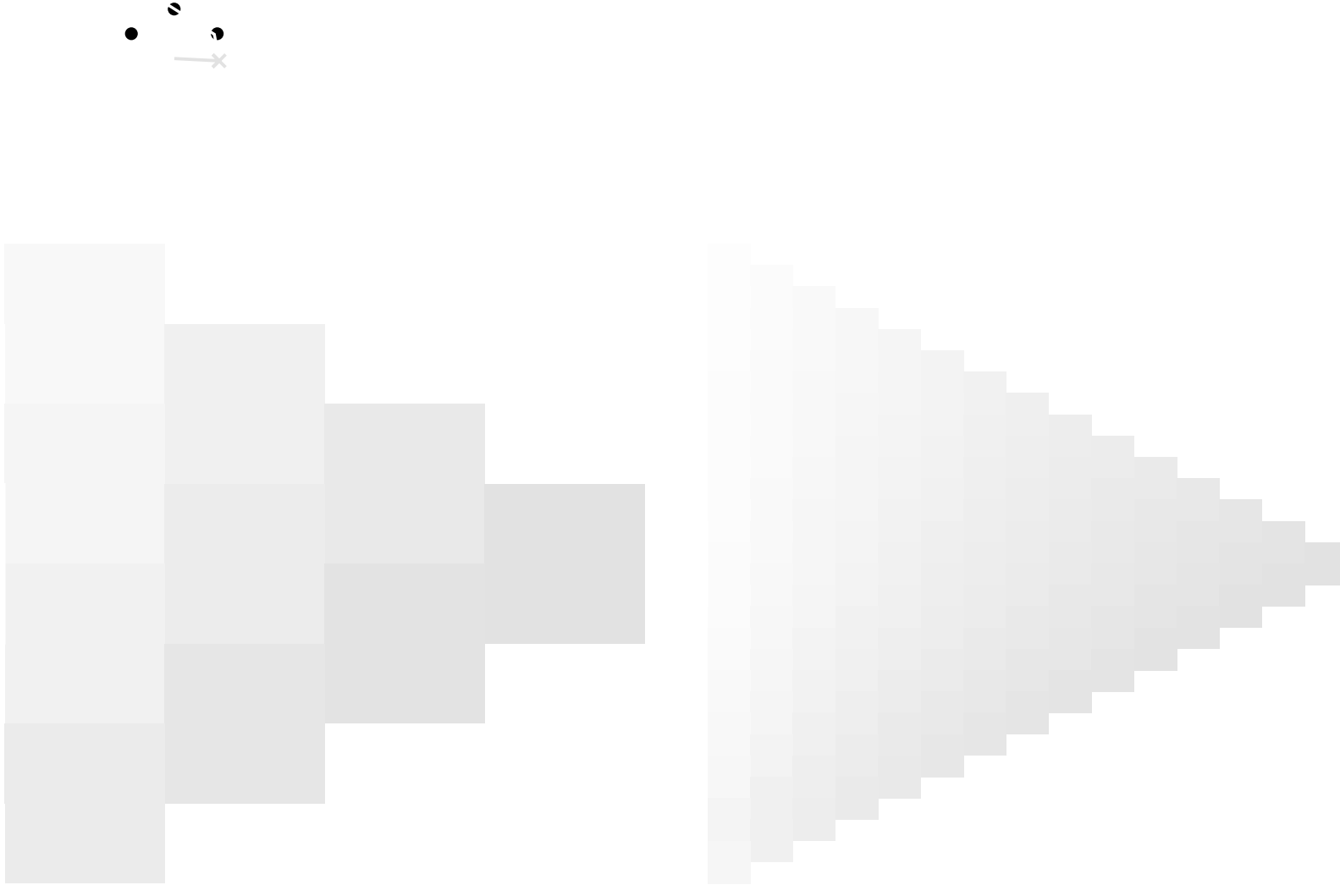
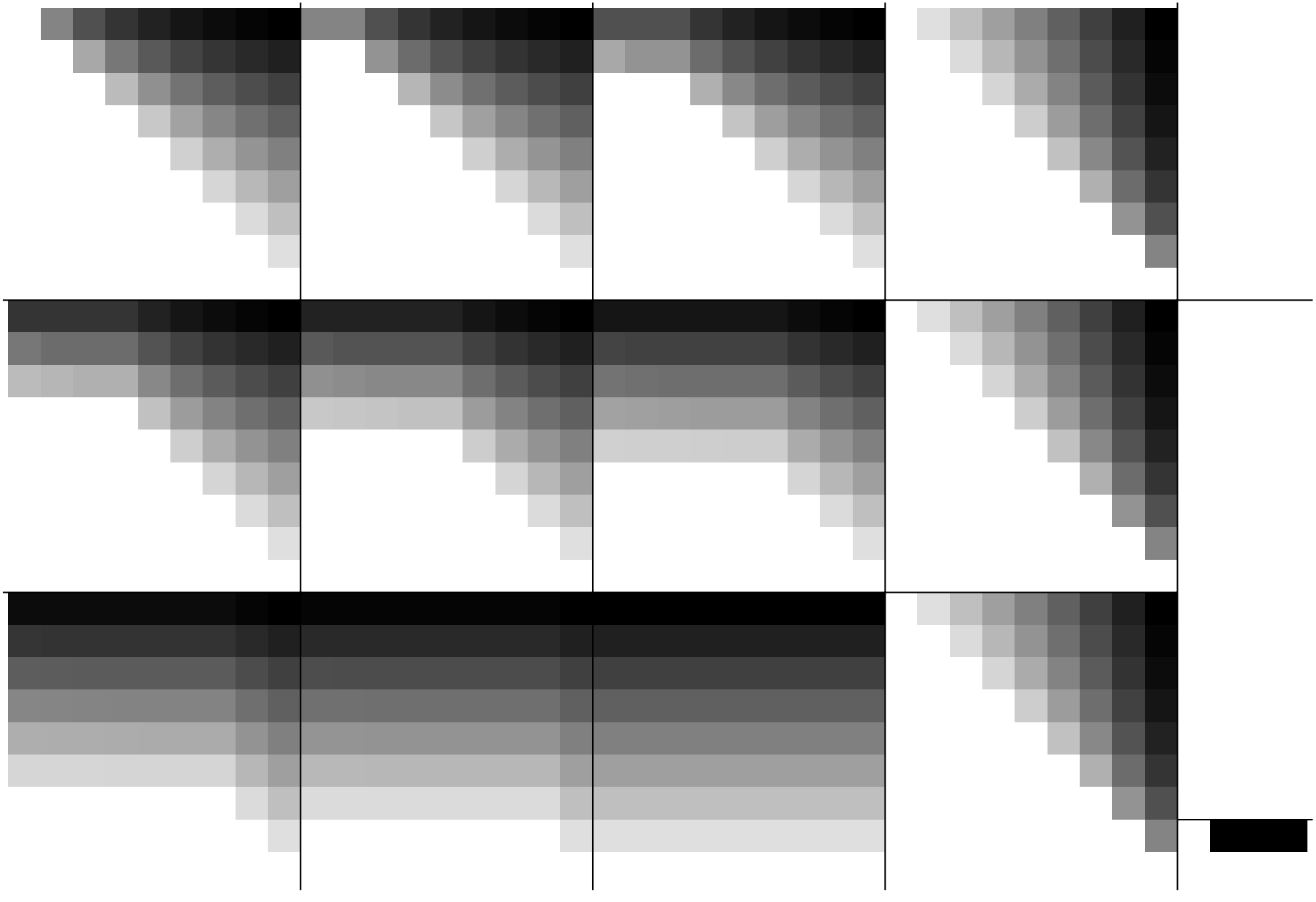
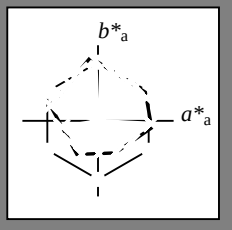




Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 0.96

ORS20_95a; adapted (a) CIELAB data

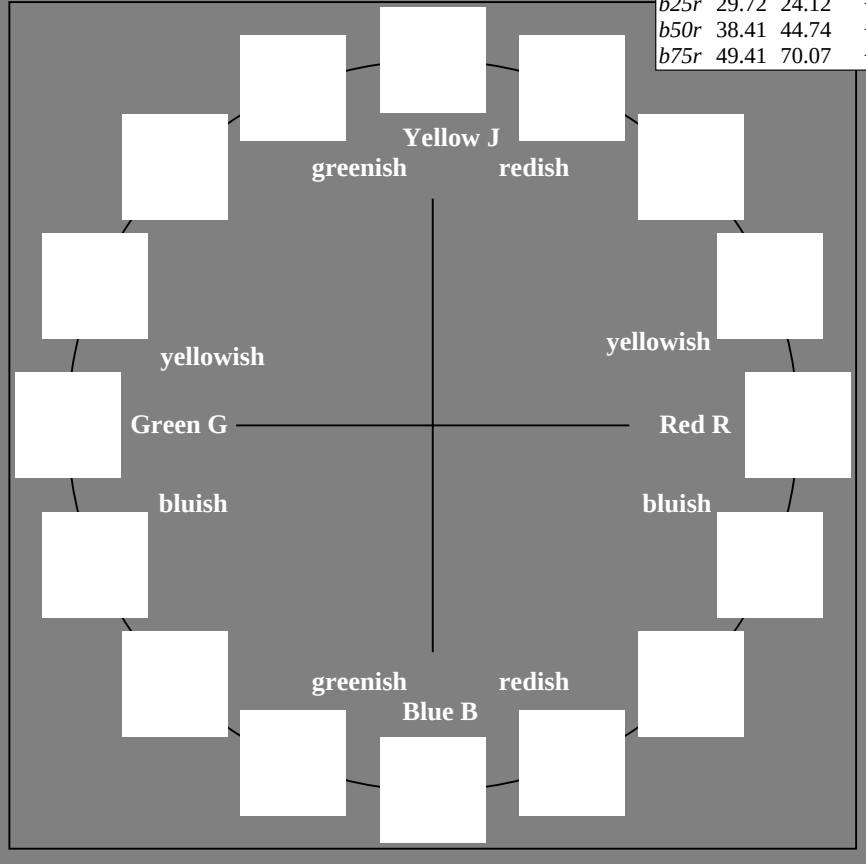
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*

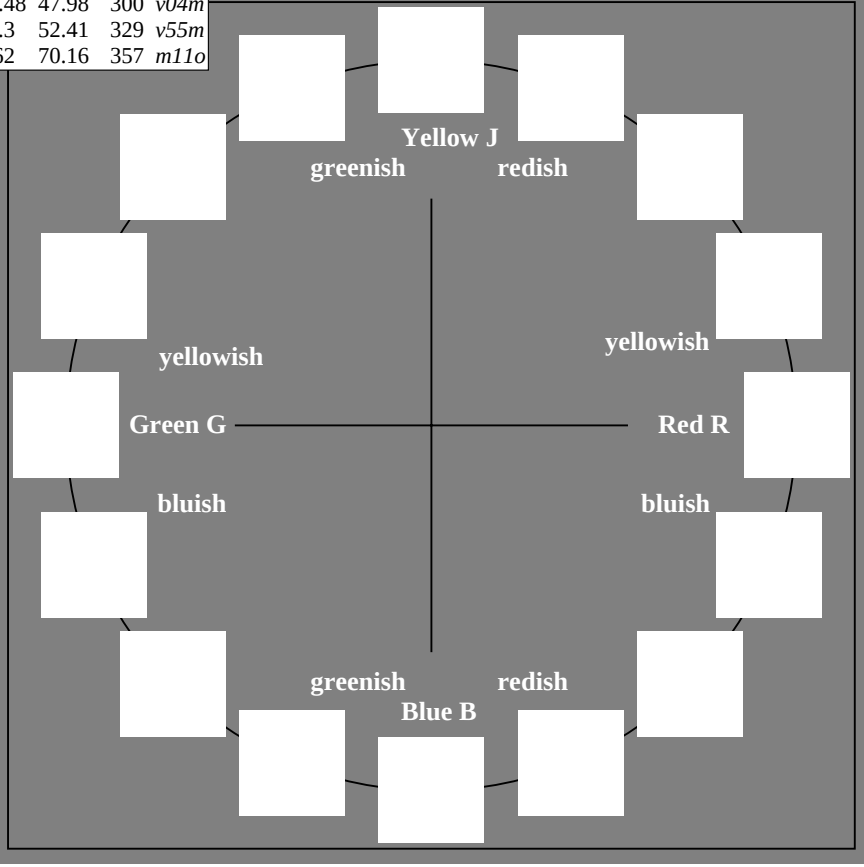


%Gamut
u*rel = 83
%Regularity
g*H,rel = 72
g*C,rel = 57

ORS20_95a; adapted (a) CIELAB data

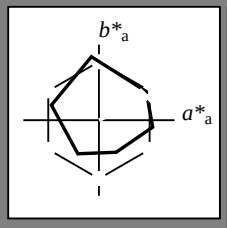
Name	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.071** **u^*_e = *r00j***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r00j* u^*_d = *m84o*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

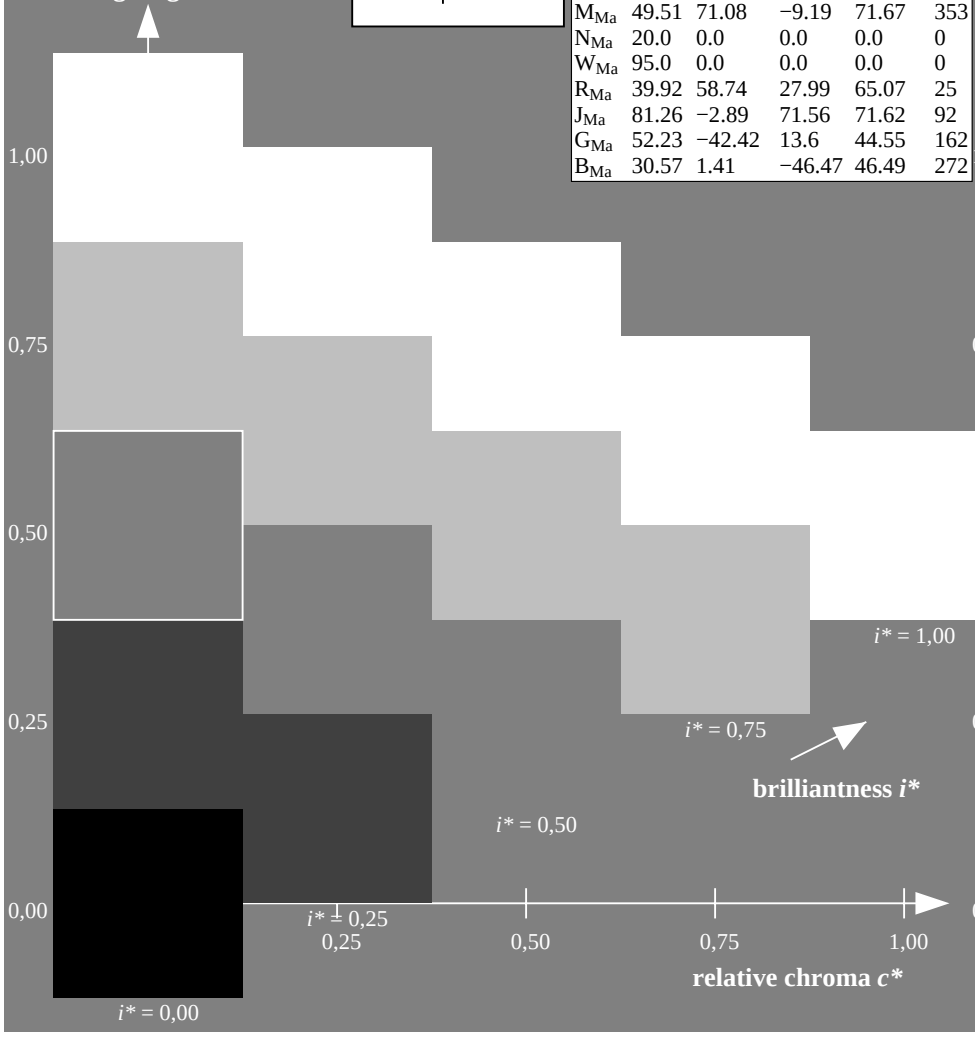
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

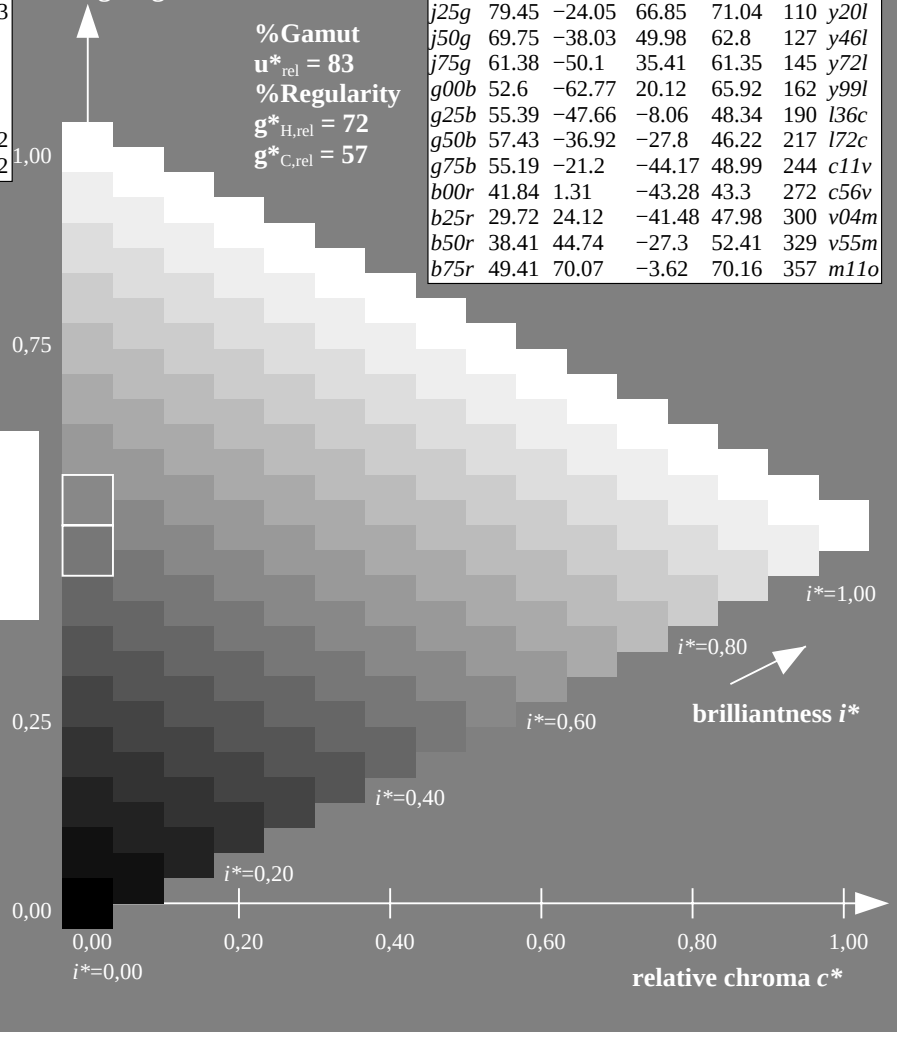
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 49 64 30**
LAB*LCH*$_{Ma}$**: 49 71 25**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.15**
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*

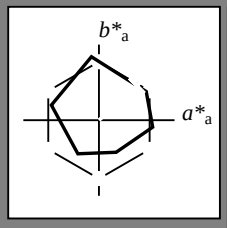




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.117**

u*e = r25j

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*e = r25j ***u*d = o17y***
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

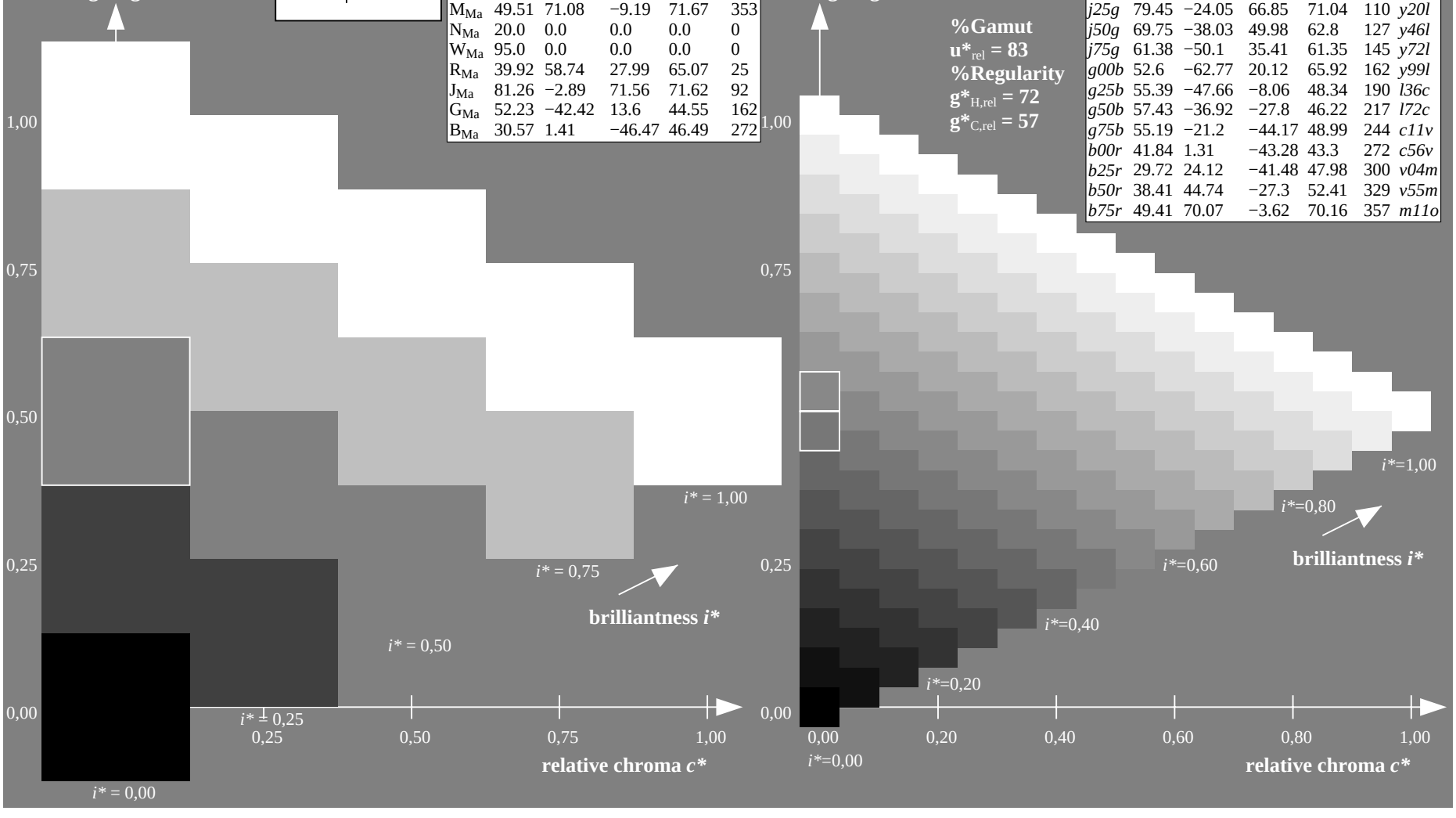
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 56 50 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

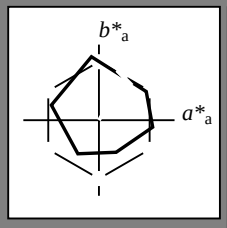
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164** **u^*_e = *r50j***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r50j* u^*_d = *o42y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

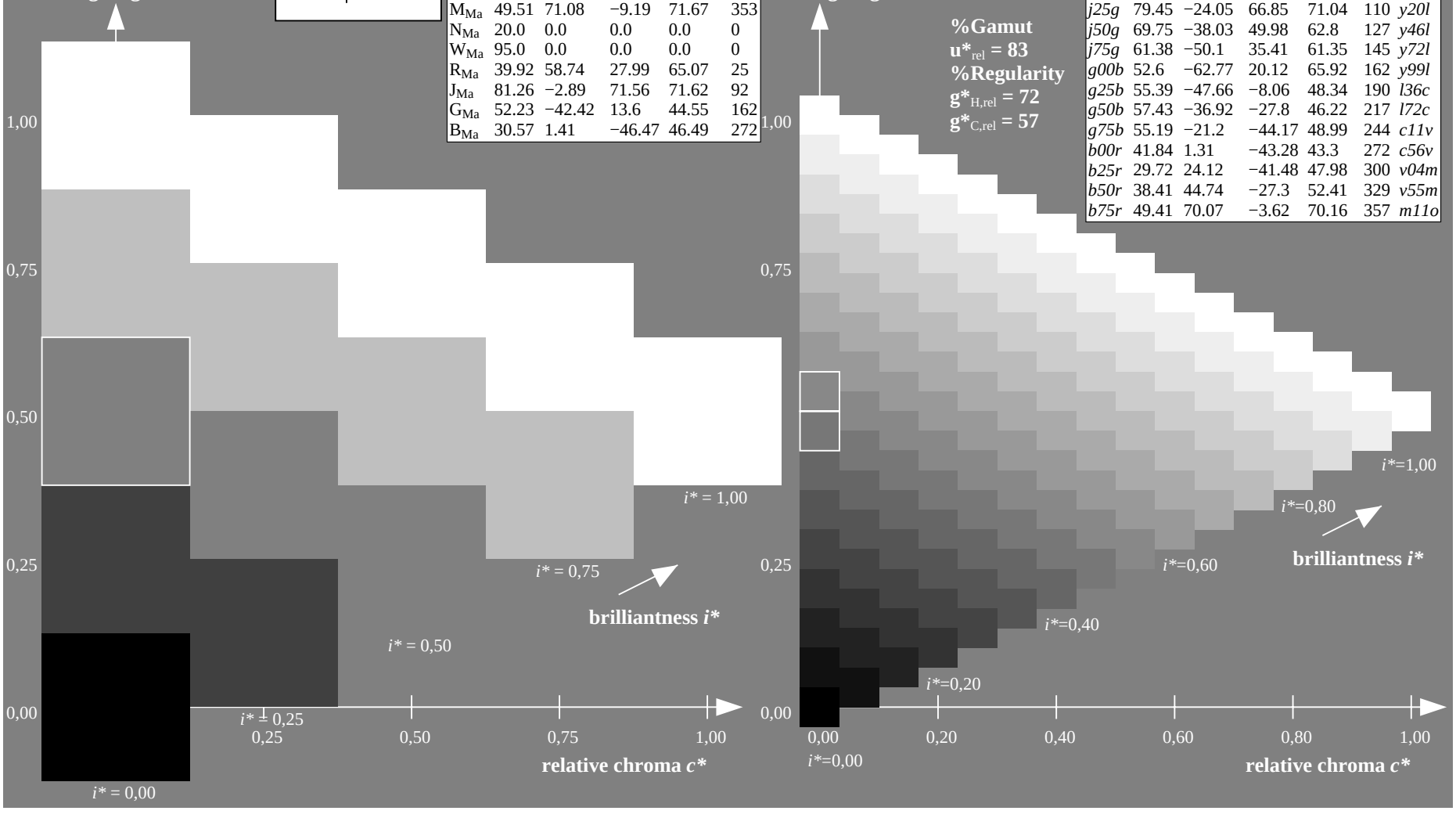
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 65 34 56**
LAB*LCH*$_{Ma}$**: 65 66 58**
lab*rgb*$_{Ma}$**: 1.0 0.5 0.0**
lab*olv*$_{Ma}$**: 1.0 0.42 0.0**
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

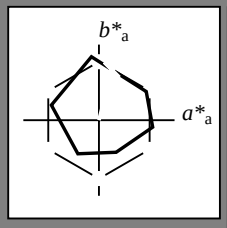
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

u*e = r75j

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*e = r75j ***u*d = o67y***
contrast reduction factor:
c_R **= 0.96**
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

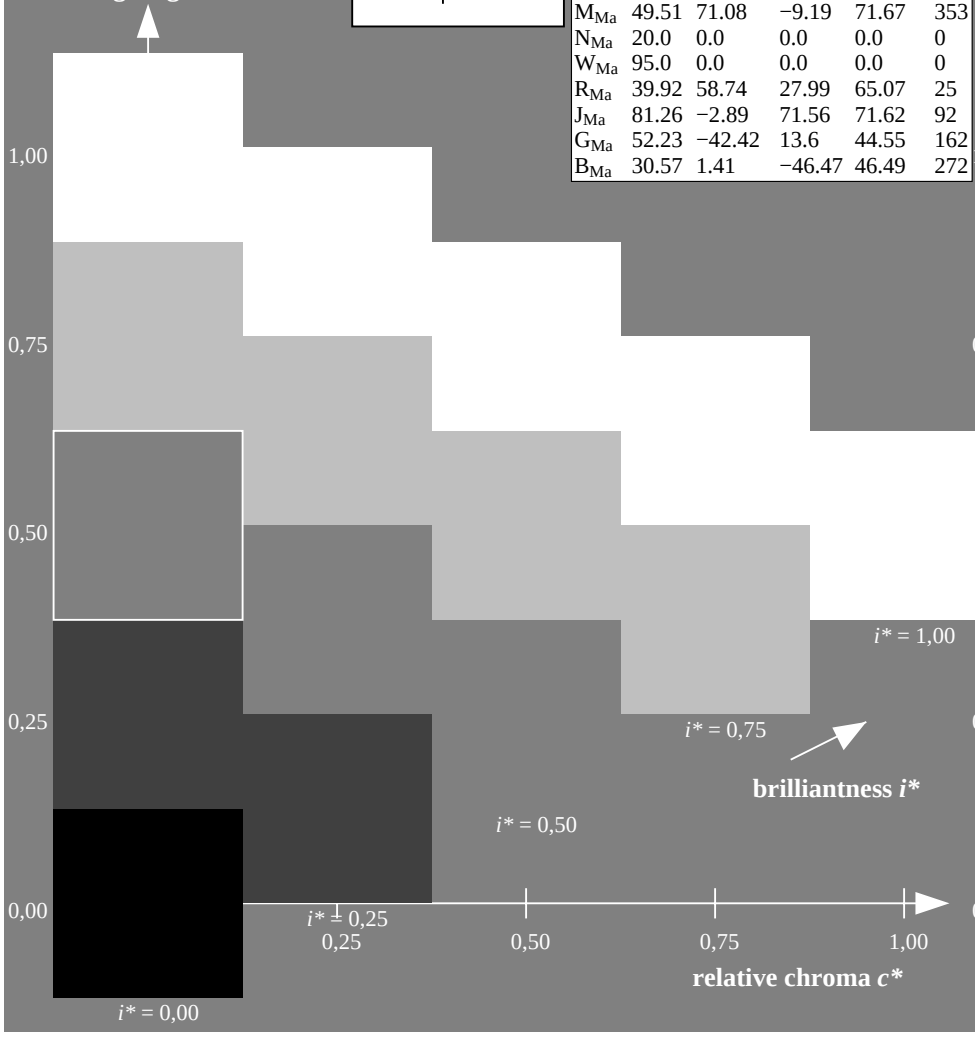
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

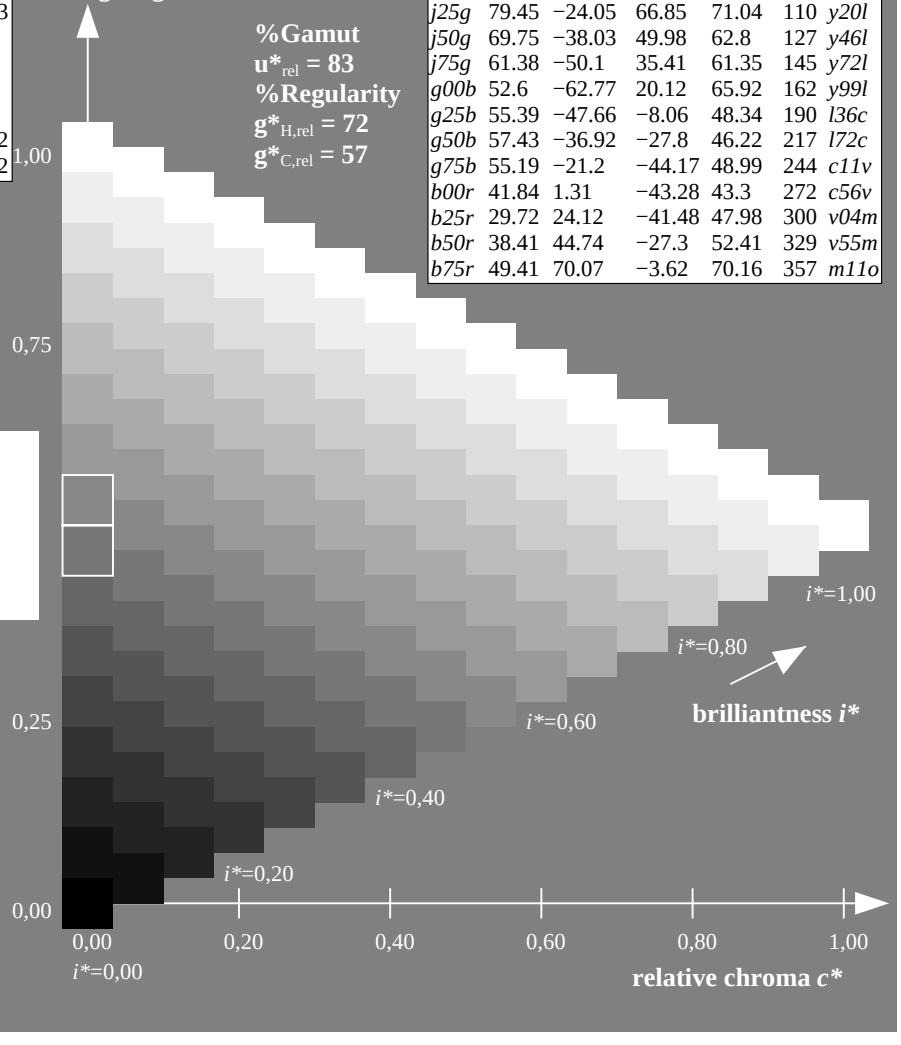
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 74 17 67**
LAB*LCH*$_{Ma}$**: 74 69 75**
lab*rgb*$_{Ma}$**: 1.0 0.75 0.0**
lab*olv*$_{Ma}$**: 1.0 0.68 0.0**
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



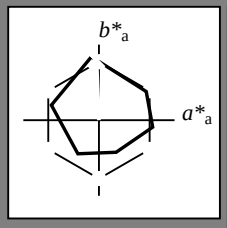


input: *000n / w / nnn0 / www set...*
output: *−>cmyn6* setcmykcolor*

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

u*e = j00g

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*e = j00g ***u*d = o92y***
contrast reduction factor:
c_R **= 0.96**
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

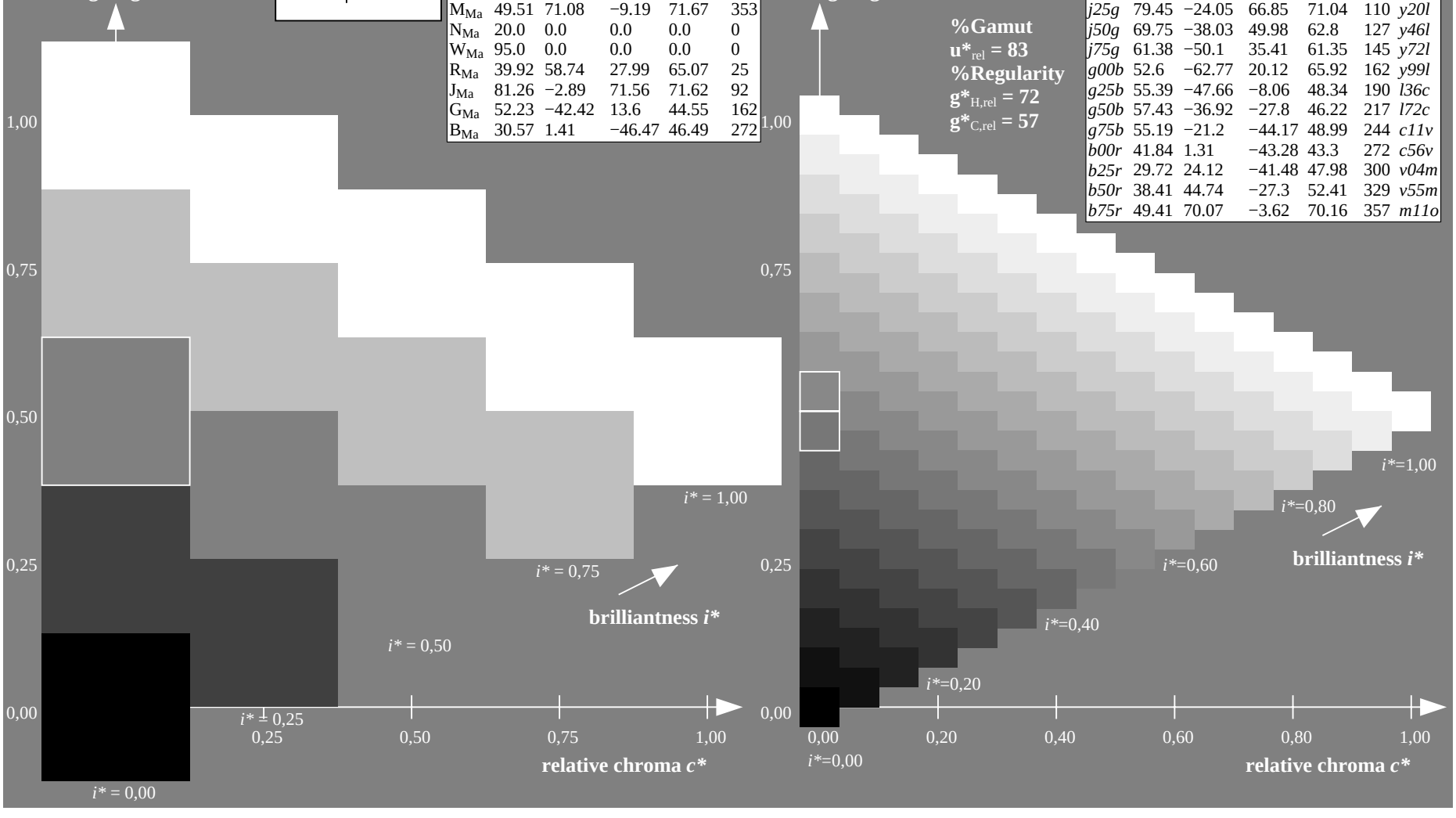
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 86 −3 80**
LAB*LCH*$_{Ma}$**: 86 80 92**
lab*rgb*$_{Ma}$**: 1.0 1.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.93 0.0**
triangle lightness *t**

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

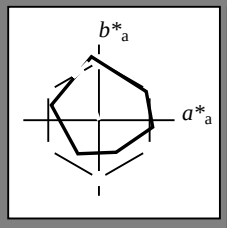
ORS20_95a; adapted (a) CIELAB data

*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.305** **u^*_e = *j25g***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j25g* u^*_d = *y20l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

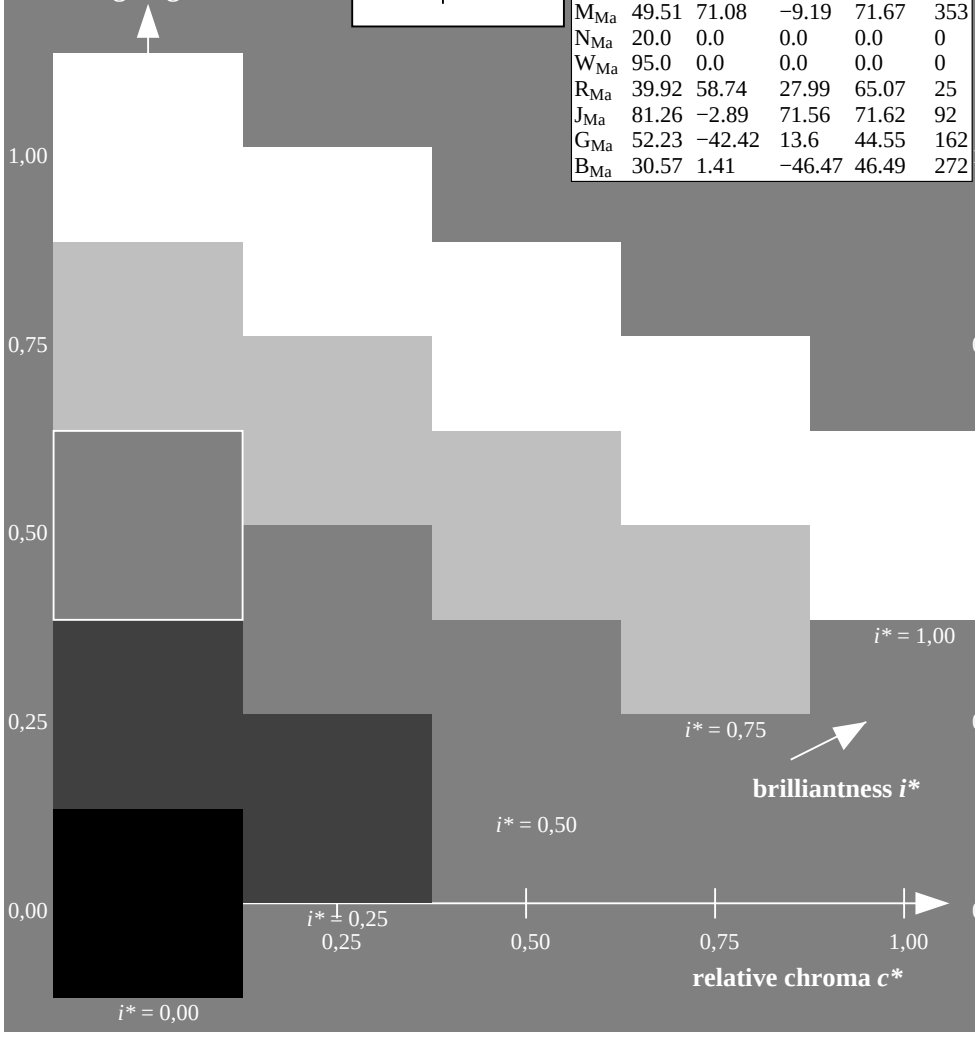
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

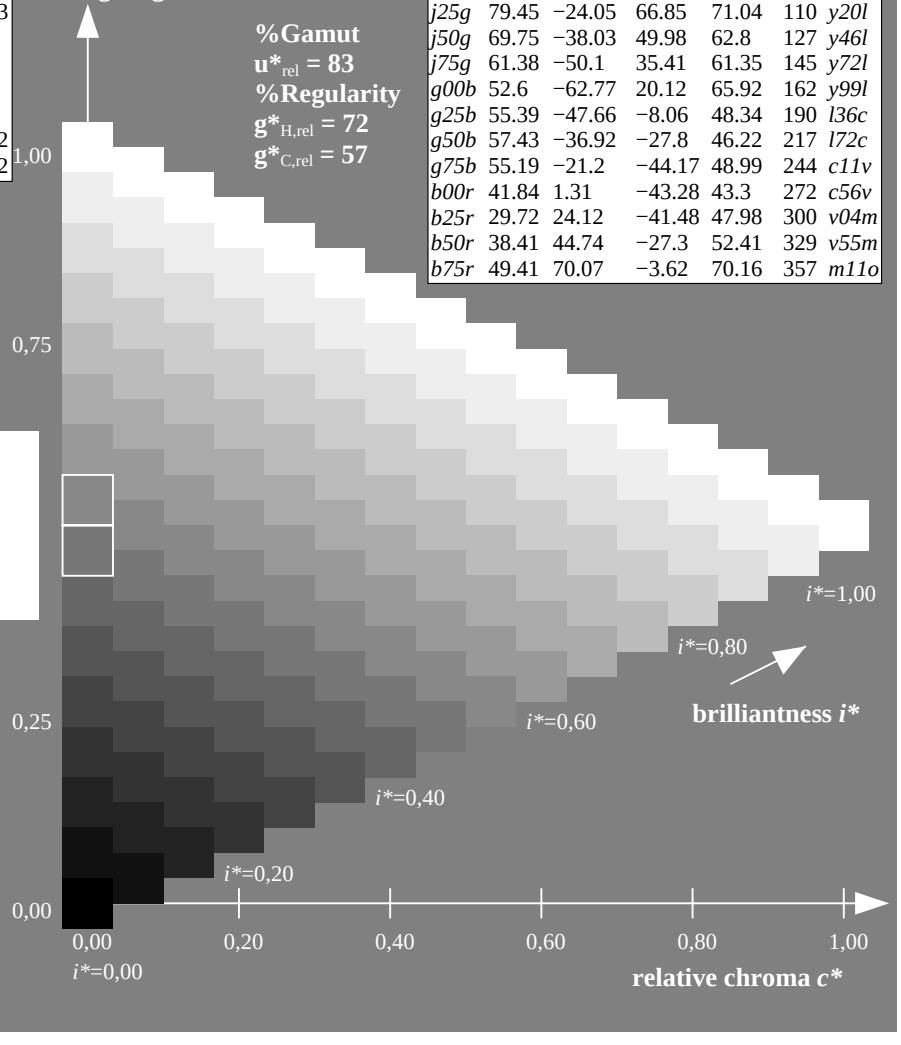
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 79 −24 67**
LAB*LCH*$_{Ma}$**: 79 71 109**
lab*rgb*$_{Ma}$**: 0.75 1.0 0.0**
lab*olv*$_{Ma}$**: 0.8 1.0 0.0**
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*

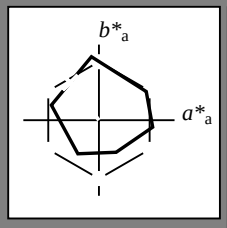




input: *000n / w / nnn0 / www set...*
output: *−>cmyn6* setcmykcolor*

Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.354** **u^*_e = *j50g***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j50g* u^*_d = *y46l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

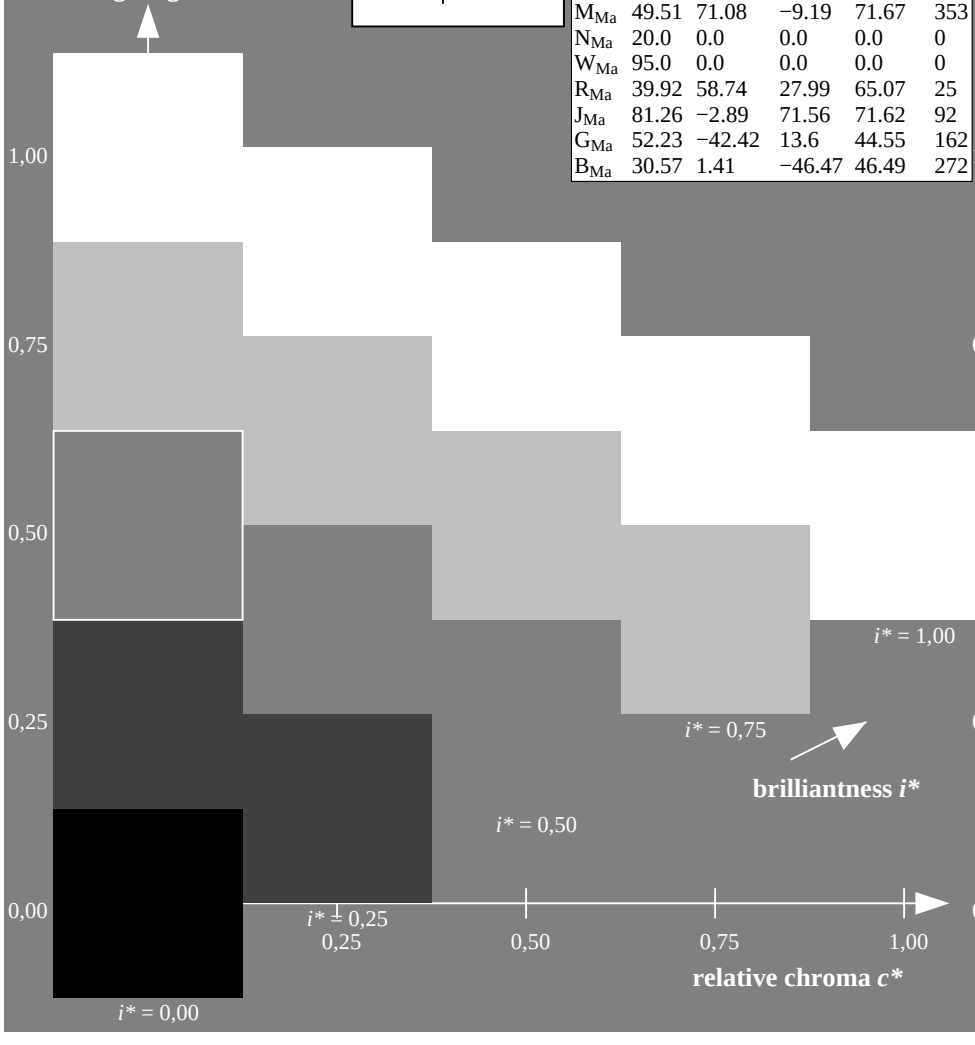
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

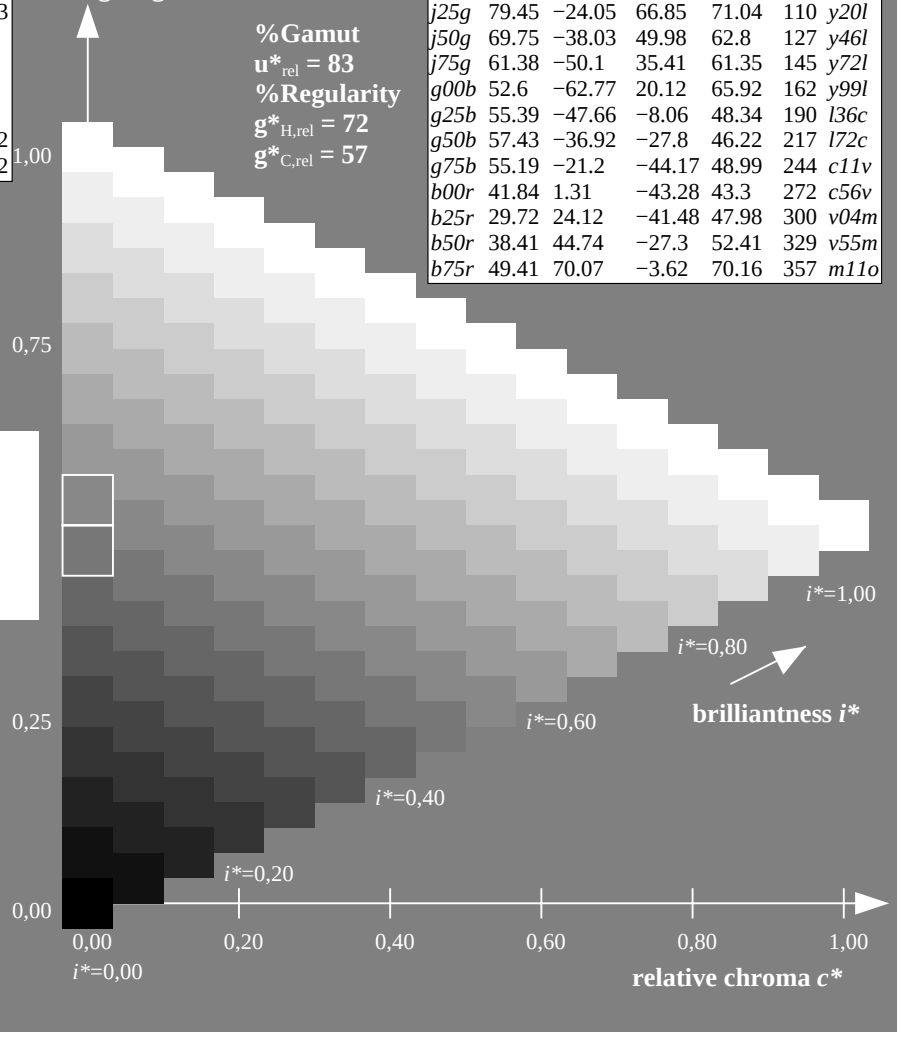
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 70 −38 50**
LAB*LCH*$_{Ma}$**: 70 63 127**
lab*rgb*$_{Ma}$**: 0.5 1.0 0.0**
lab*olv*$_{Ma}$**: 0.54 1.0 0.0**
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

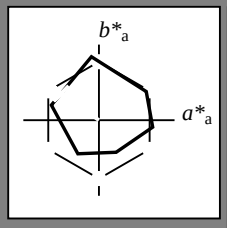
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.402** **u^*_e = *j75g***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j75g* u^*_d = *y72l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

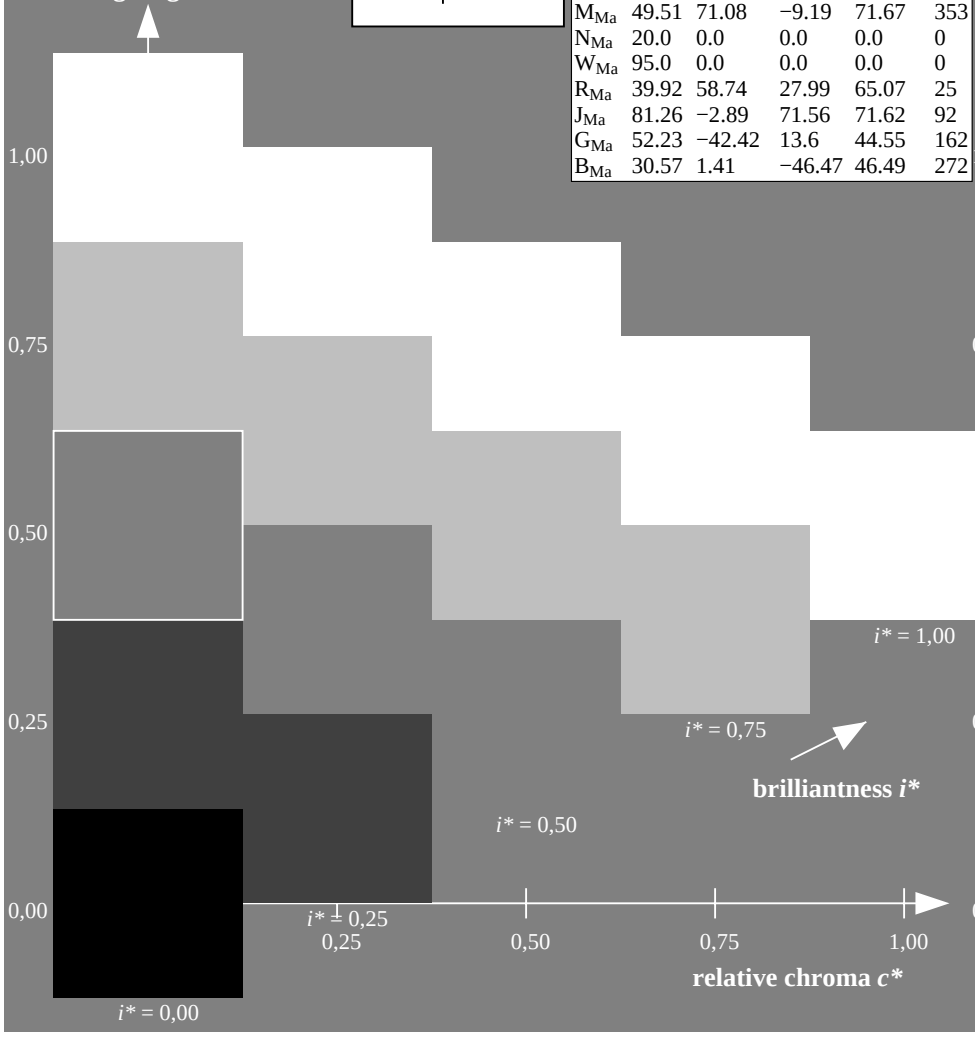
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

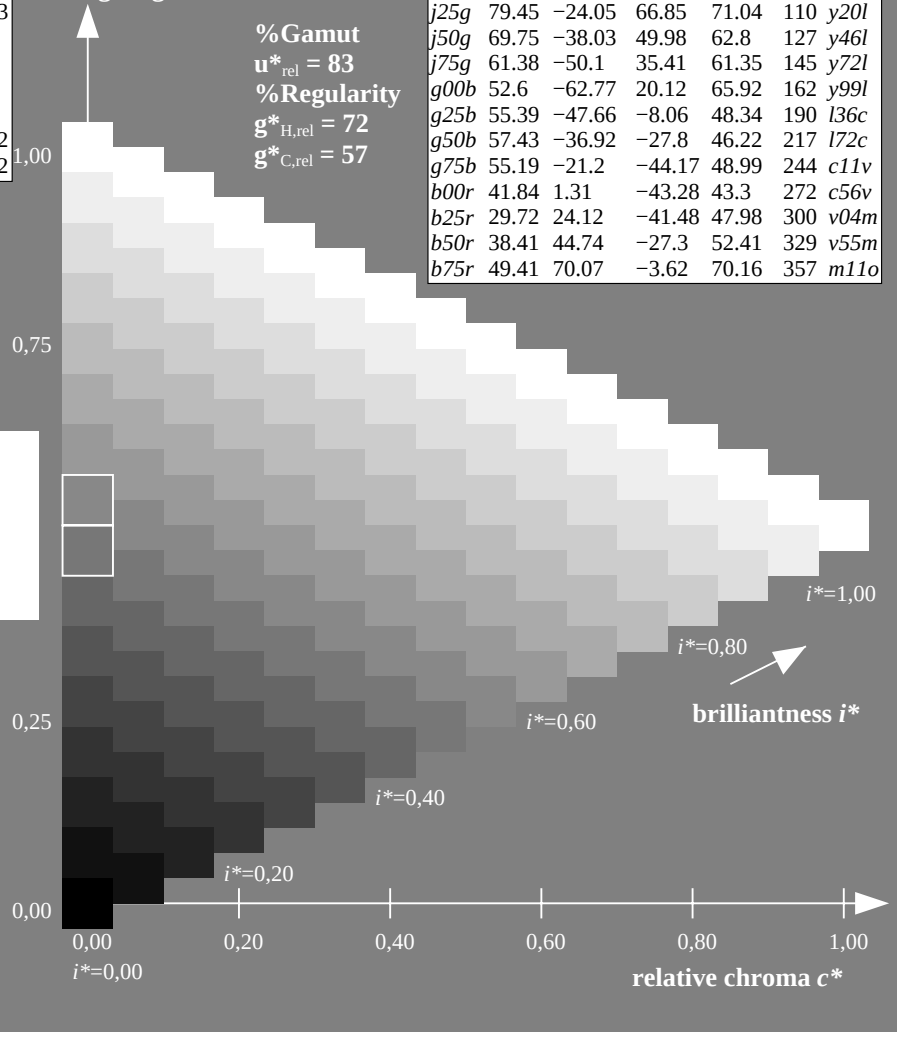
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 61 −50 35**
LAB*LCH*$_{Ma}$**: 61 61 144**
lab*rgb*$_{Ma}$**: 0.25 1.0 0.0**
lab*olv*$_{Ma}$**: 0.27 1.0 0.0**
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

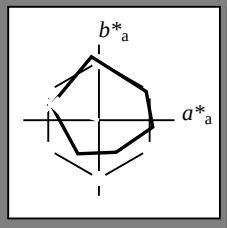
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.451** **u^*_e = *g00b***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *g00b* u^*_d = *y99l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

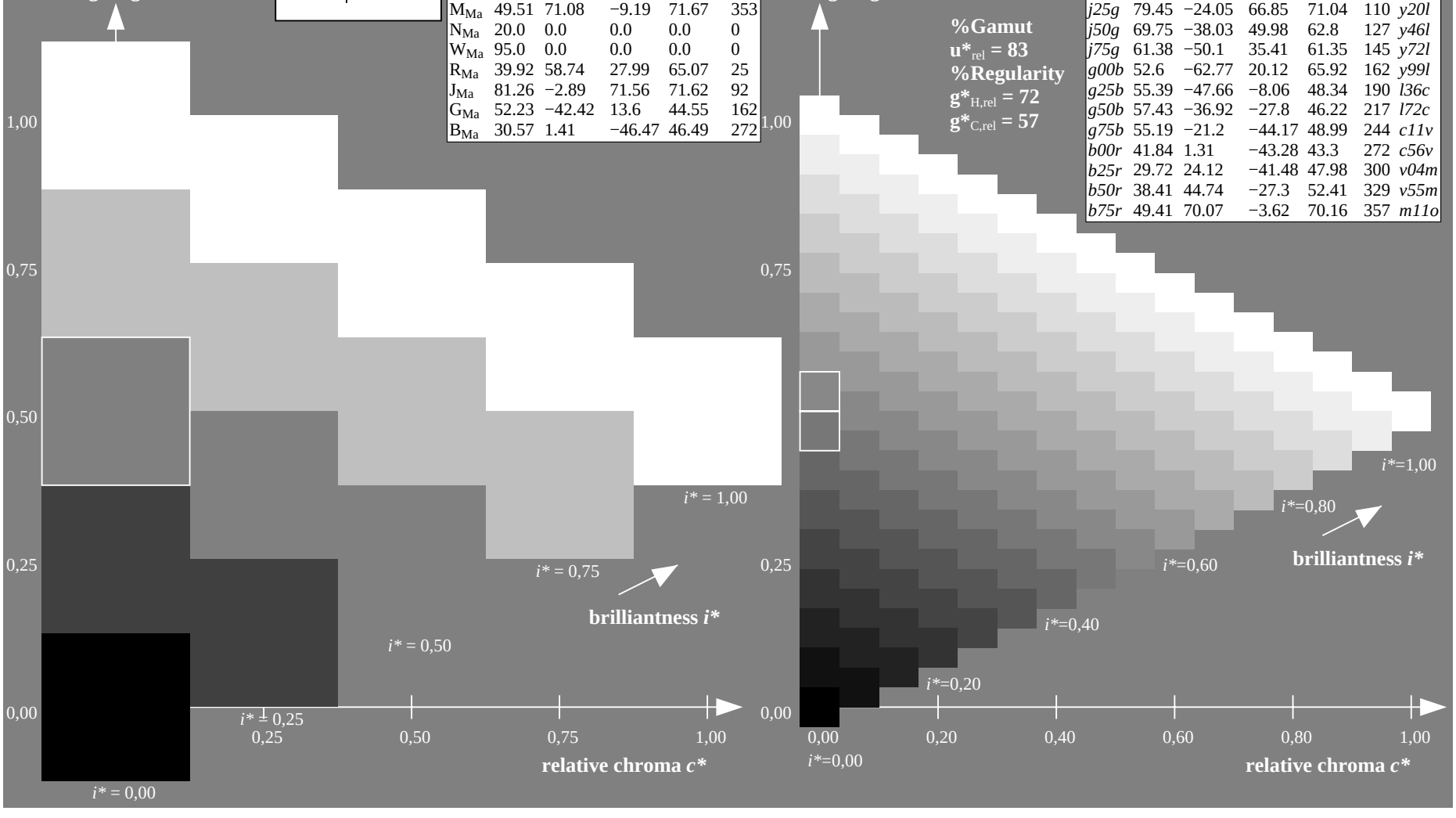
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 53 −63 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

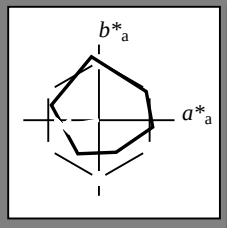
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.527** **u^*_e = *g25b***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *g25b* u^*_d = *l36c*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

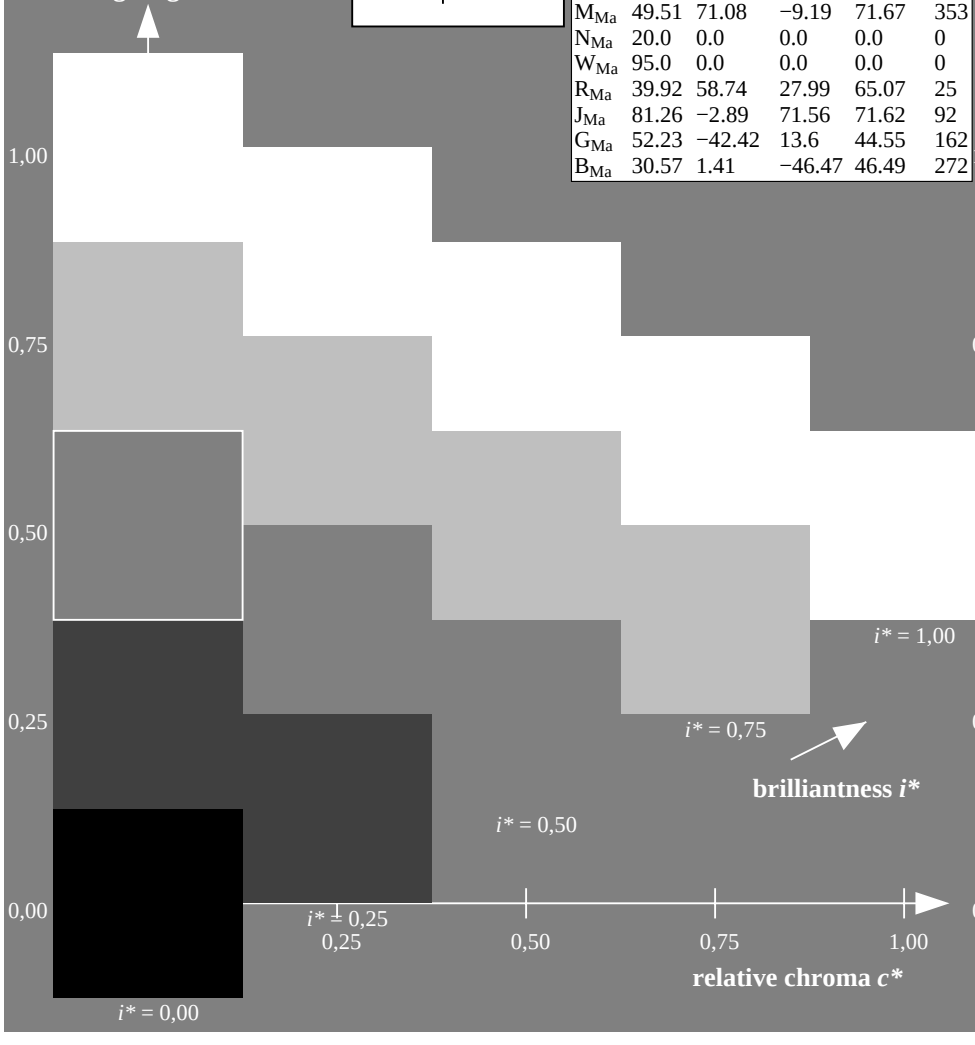
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

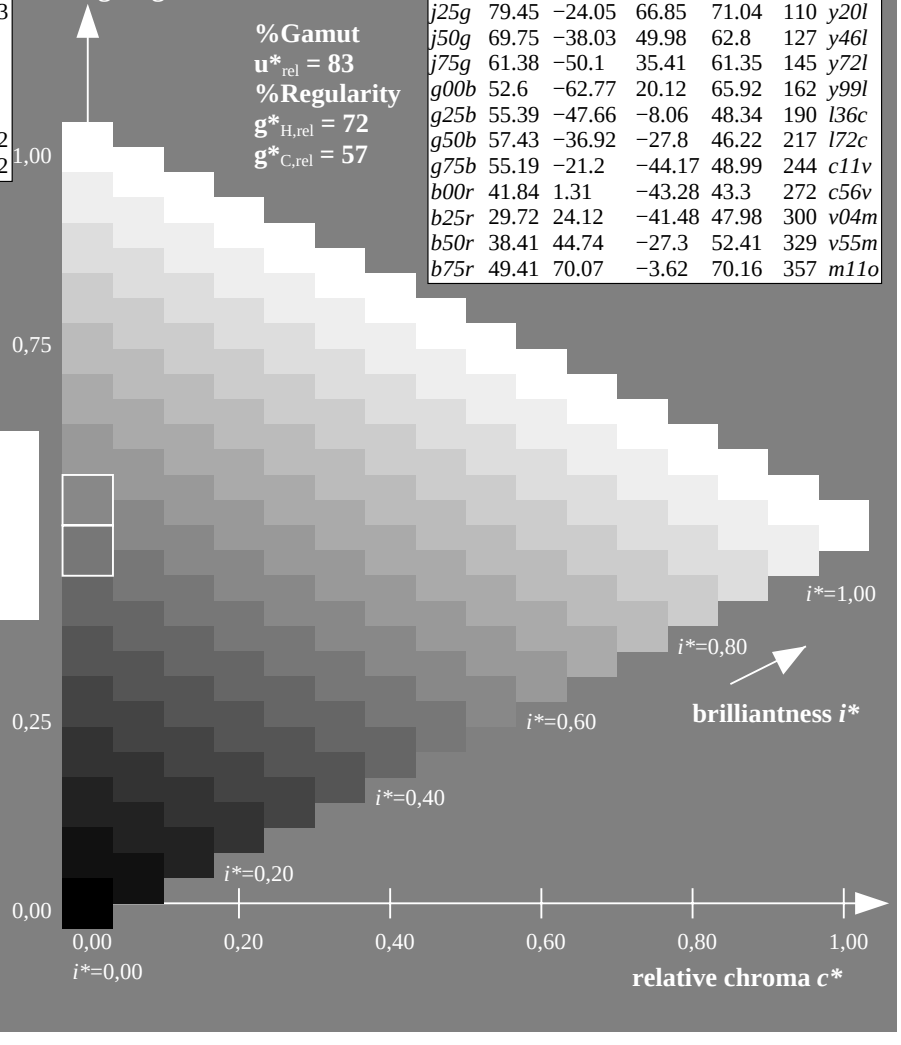
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 55 −48 −8**
LAB*LCH*$_{Ma}$**: 55 48 189**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.5**
lab*olv*$_{Ma}$**: 0.0 1.0 0.36**
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

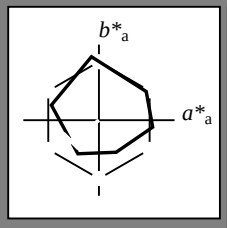
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.603** **u^*_e = *g50b***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *g50b* u^*_d = *l72c*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

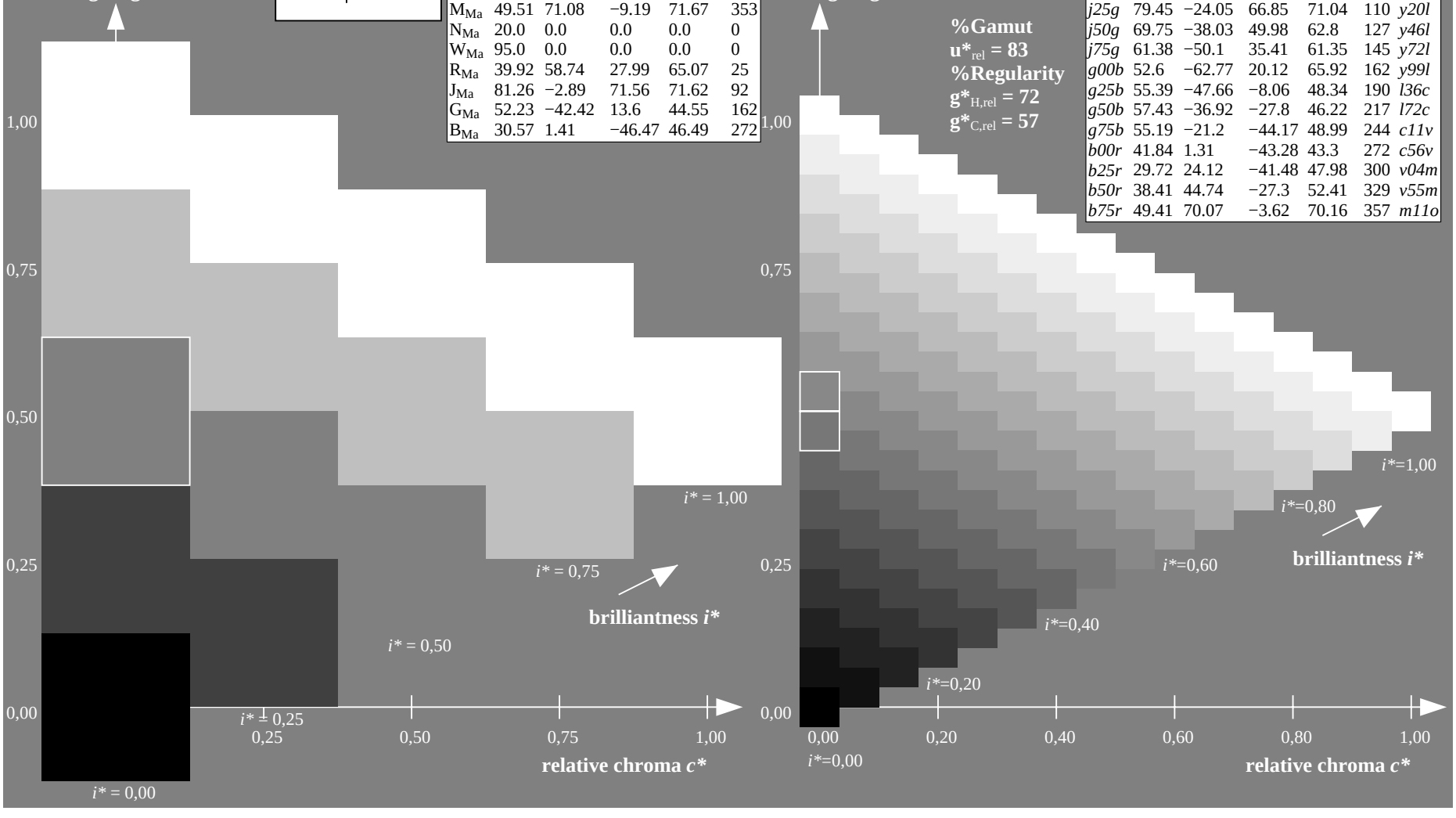
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 57 −37 −28**
LAB*LCH*$_{Ma}$**: 57 46 216**
lab*rgb*$_{Ma}$**: 0.0 1.0 1.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.72**
triangle lightness *t**

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

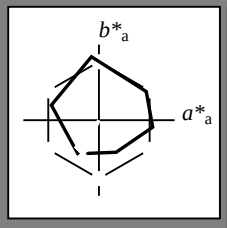
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.679** **$u^*_e = g75b$**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_e = g75b$ $u^*_d = c11v$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

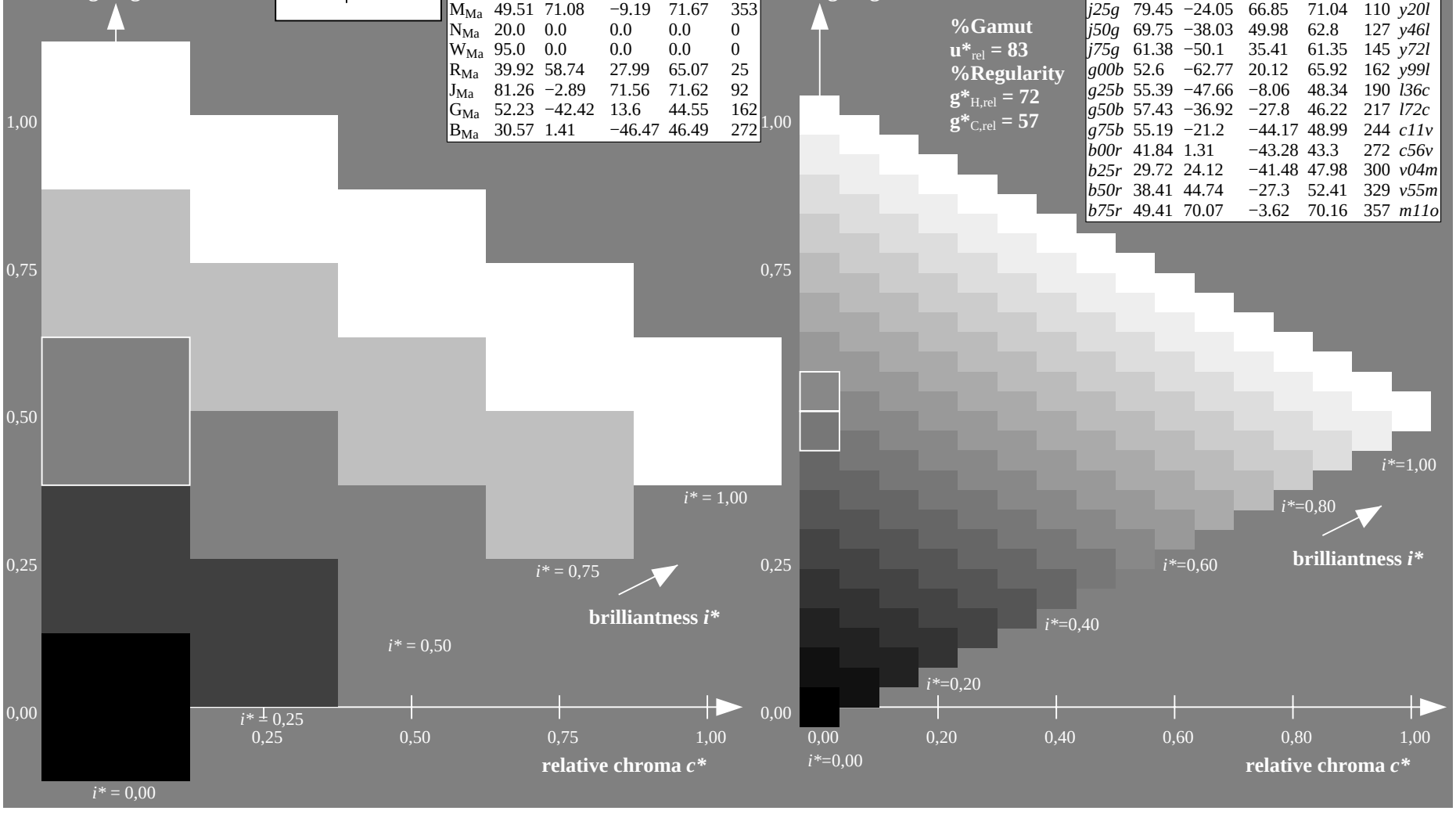
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 55 −21 −44**
LAB*LCH*$_{Ma}$**: 55 49 244**
lab*rgb*$_{Ma}$**: 0.0 0.5 1.0**
lab*olv*$_{Ma}$**: 0.0 0.89 1.0**
triangle lightness *t**

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

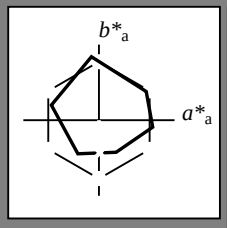
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.755** **u^*_e = *b00r***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *b00r* u^*_d = *c56v*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

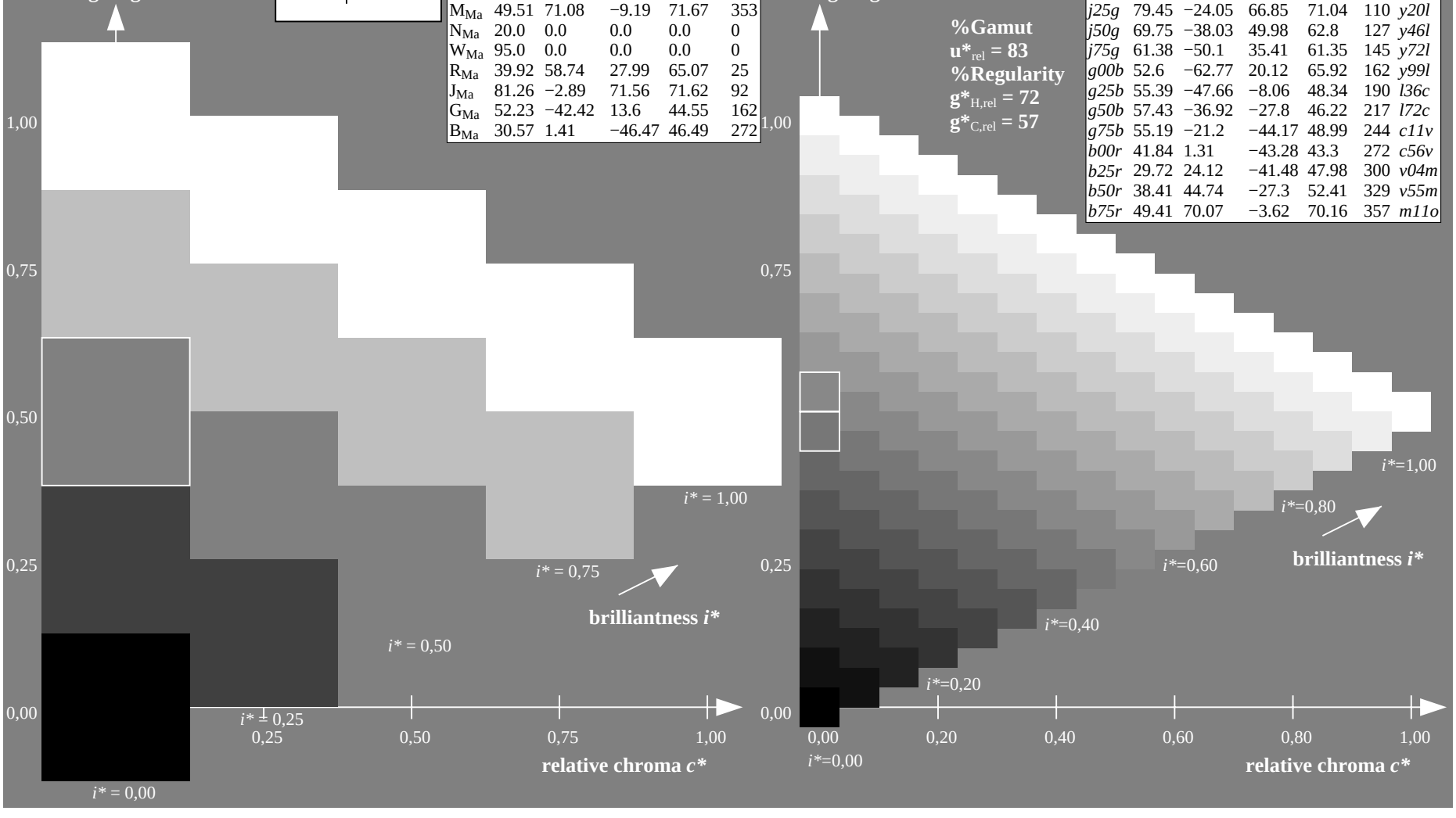
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 42 1 −43**
LAB*LCH*$_{Ma}$**: 42 43 271**
lab*rgb*$_{Ma}$**: 0.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.0 0.44 1.0**
triangle lightness *t**

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

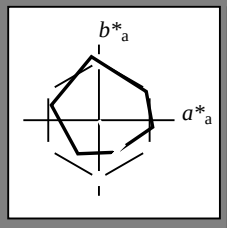
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.834** **u^*_e = *b25r***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *b25r* u^*_d = *v04m*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

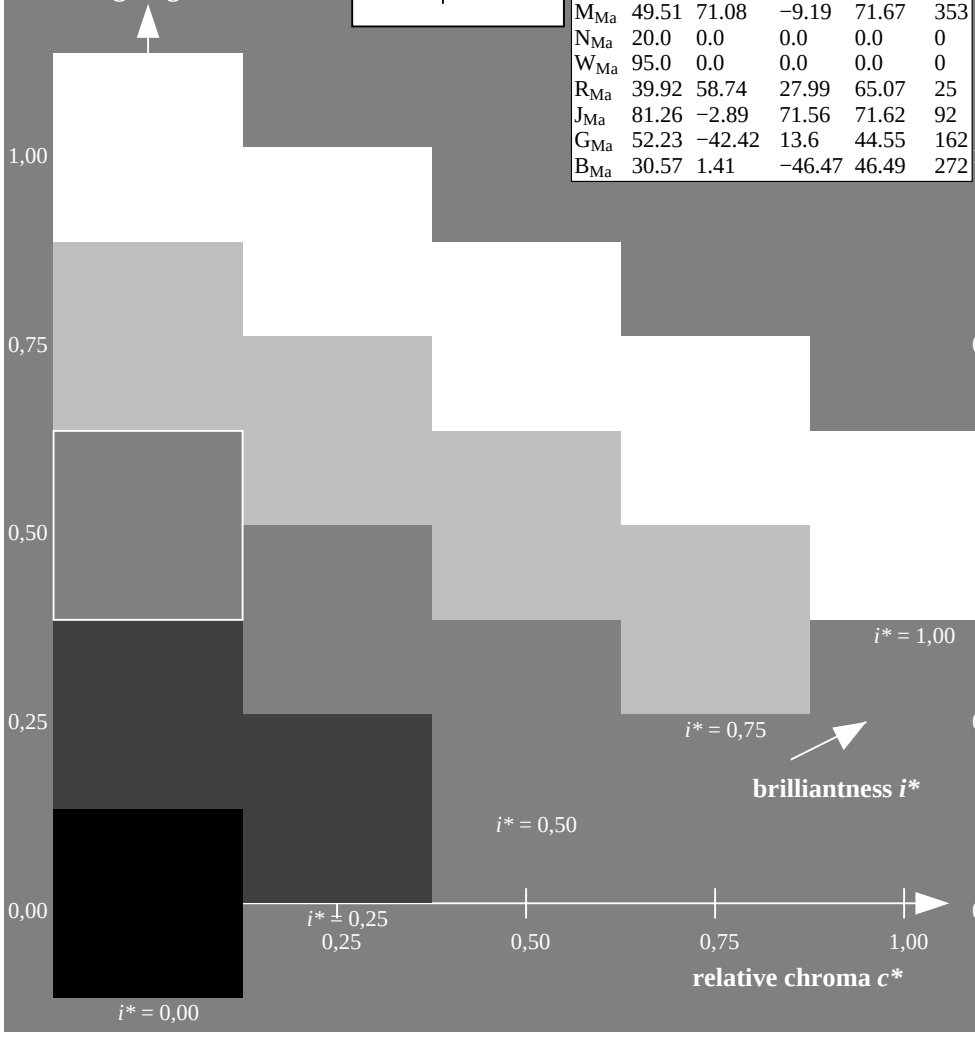
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

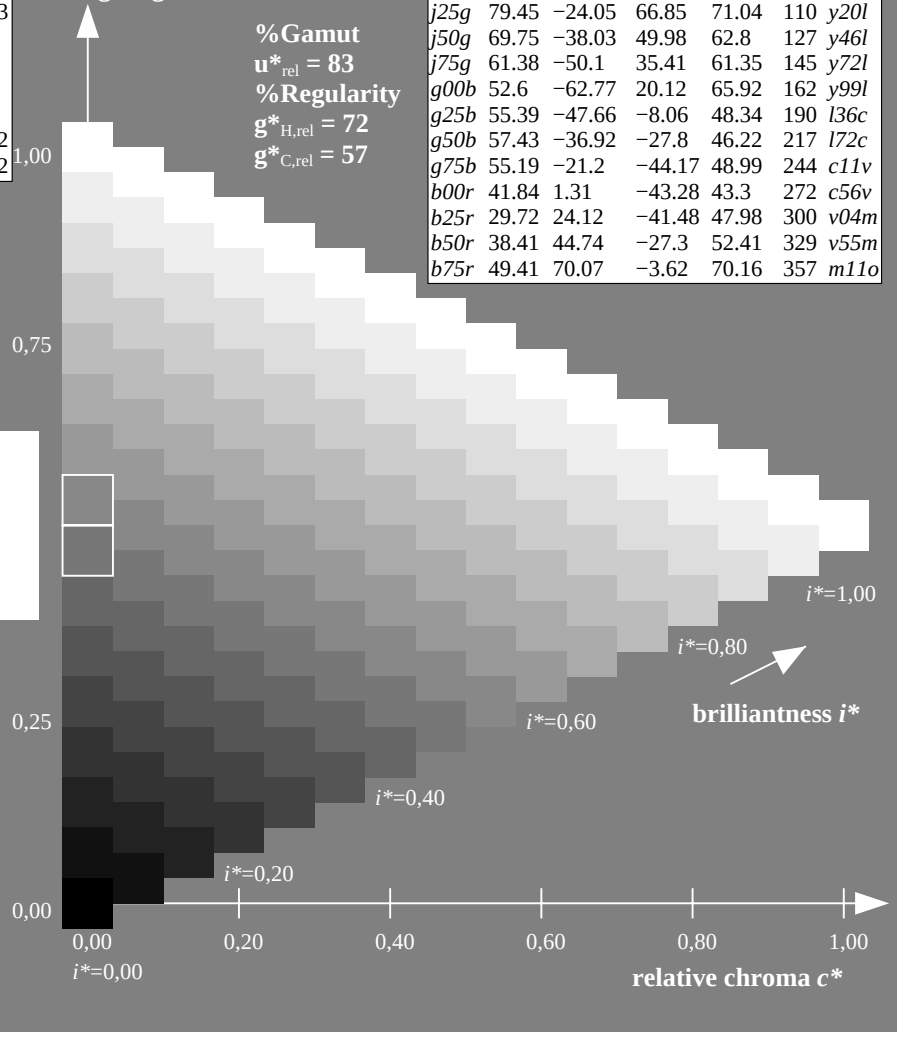
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 30 24 −41**
LAB*LCH*$_{Ma}$**: 30 48 300**
lab*rgb*$_{Ma}$**: 0.5 0.0 1.0**
lab*olv*$_{Ma}$**: 0.04 0.0 1.0**
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

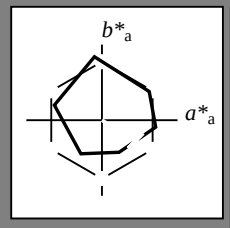
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.913** **u^*_e = *b50r***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = ***b50r*** u^*_d = ***v55m***
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

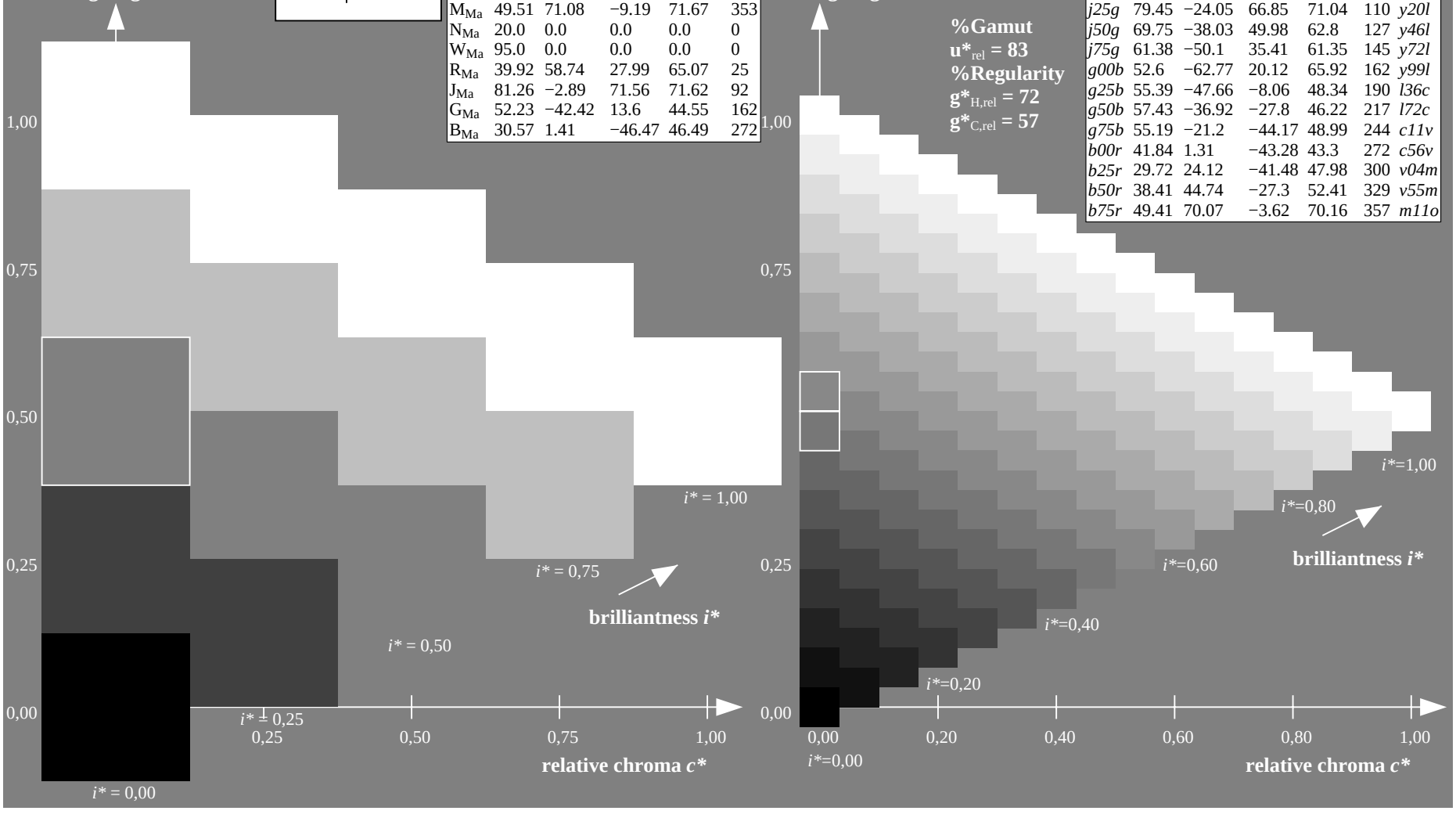
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 38 45 −27**
LAB*LCH*$_{Ma}$**: 38 52 328**
lab*rgb*$_{Ma}$**: 1.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.56 0.0 1.0**
triangle lightness *t**

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

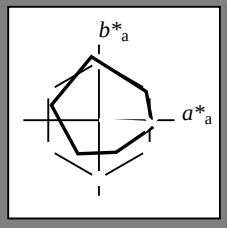
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



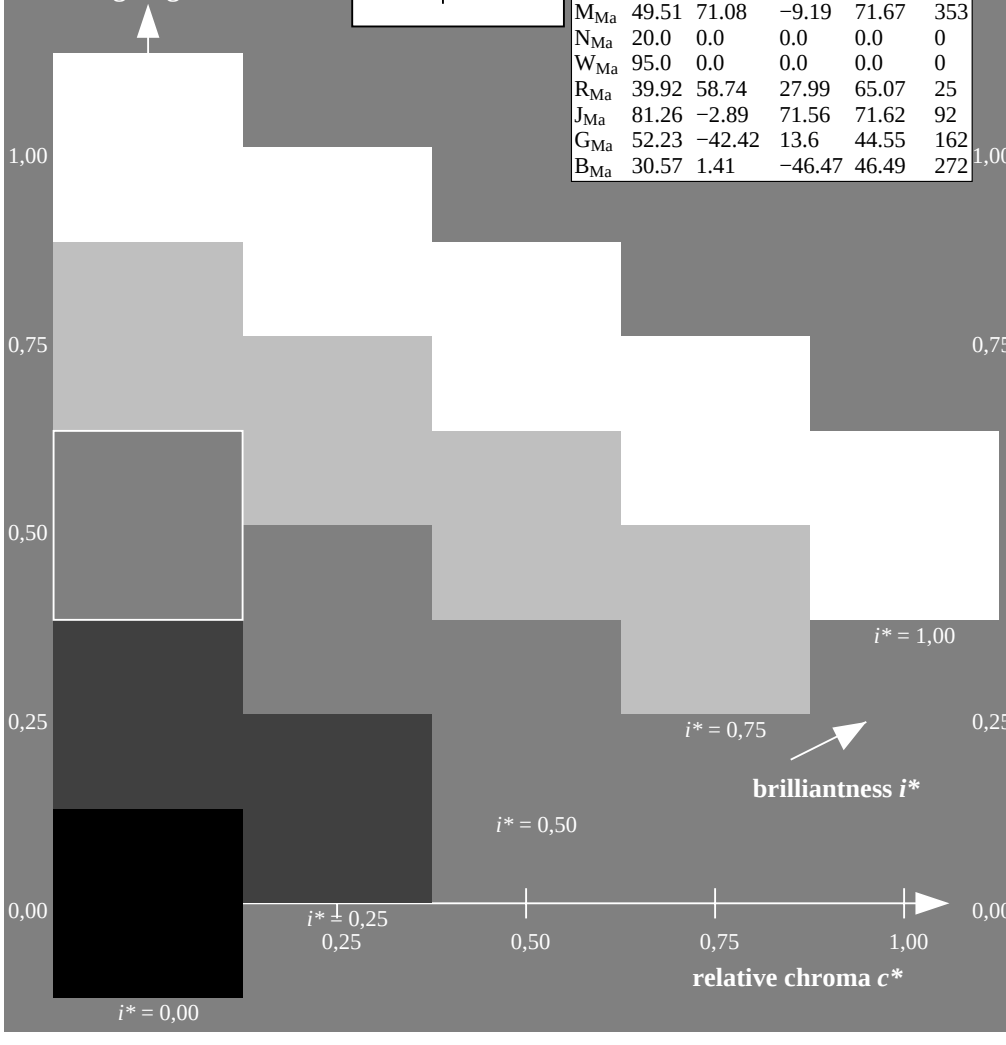
Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.992** **u^*_e = *b75r***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *b75r* u^*_d = *m11o*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

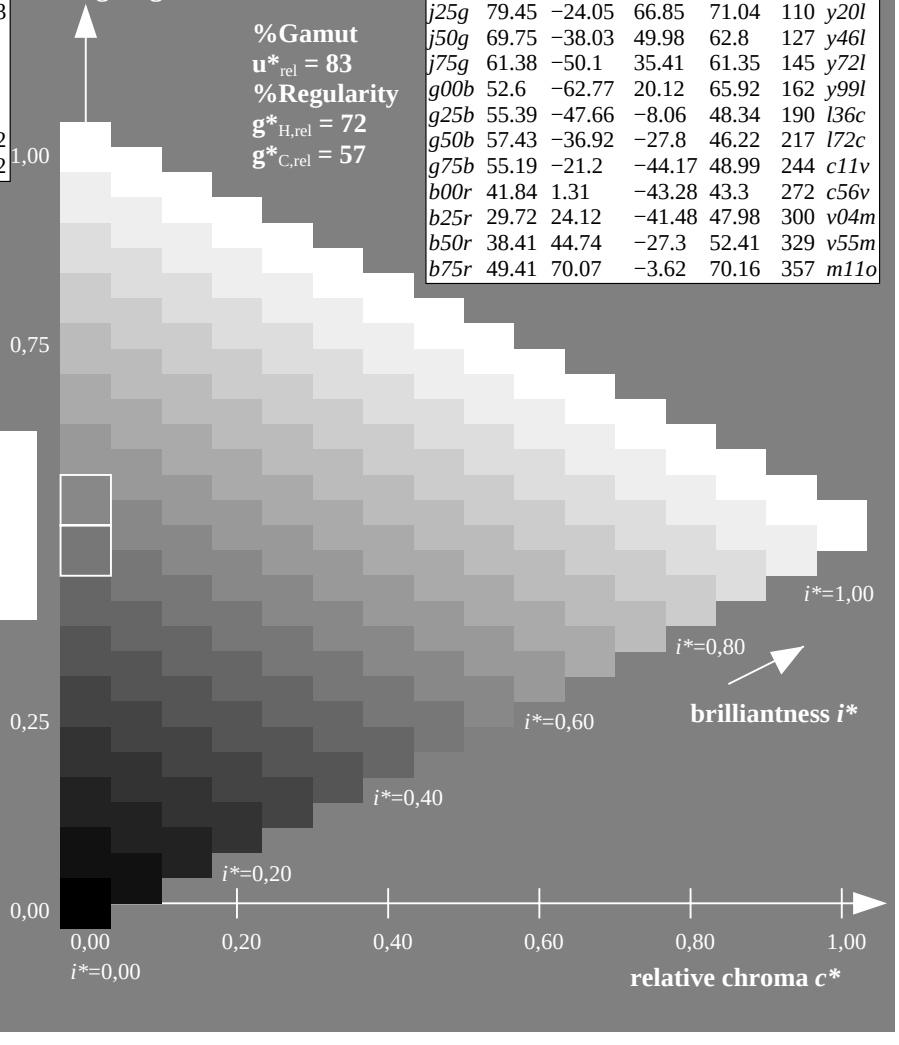


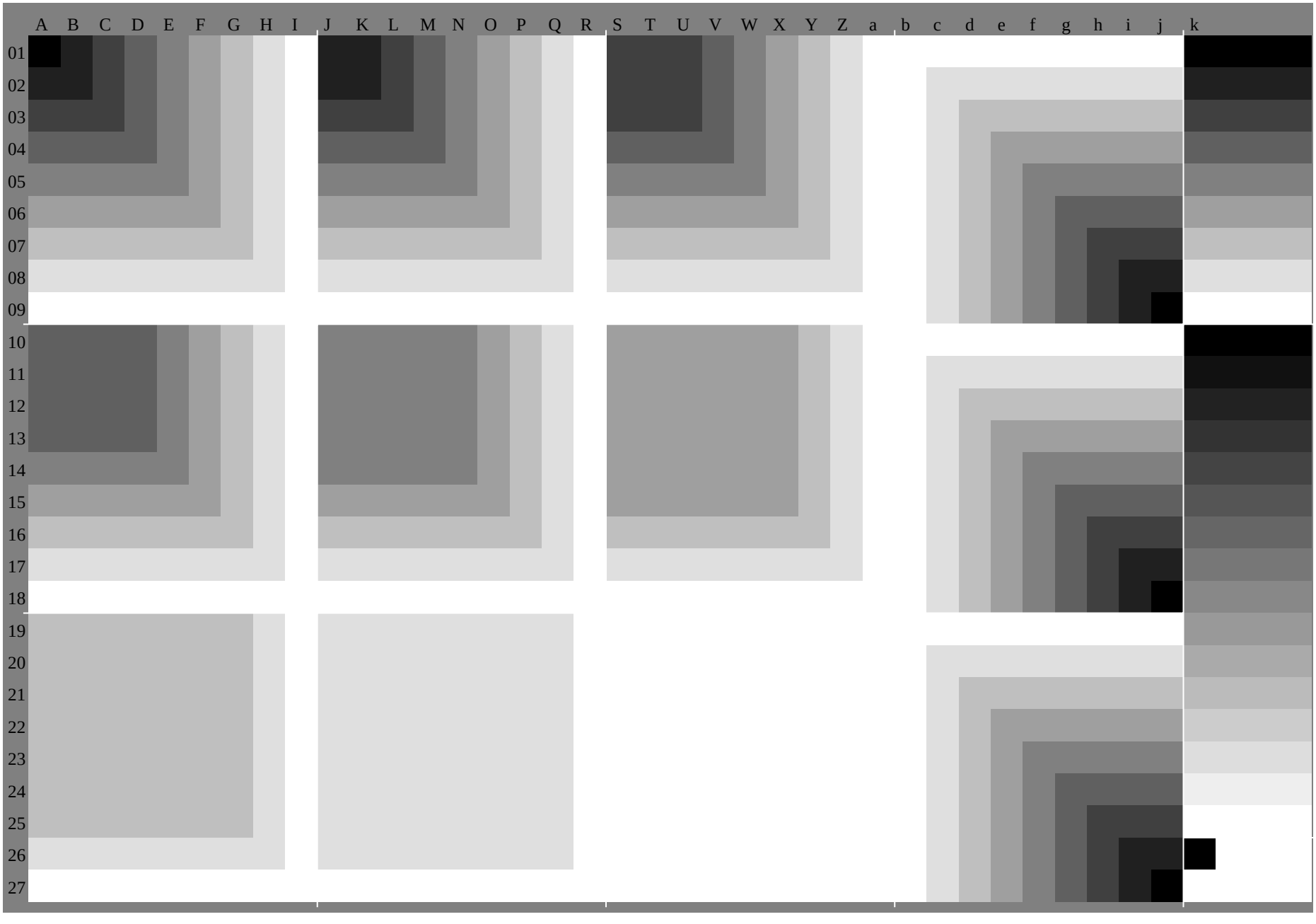
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 49 70 −4
*LAB*LCH**$_{Ma}$: 49 70 357
*lab*rgb**$_{Ma}$: 1.0 0.0 0.5
*lab*olv**$_{Ma}$: 1.0 0.0 0.89
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*

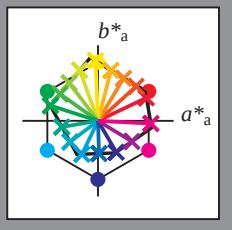




Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 0.96

ORS20_95a; adapted (a) CIELAB data

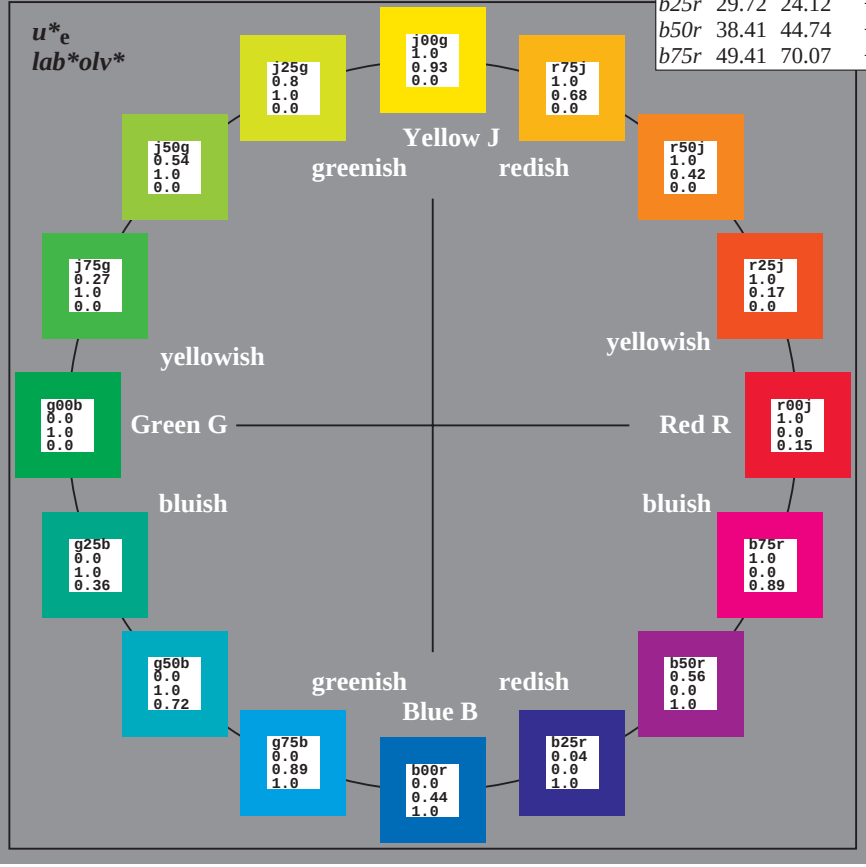
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*

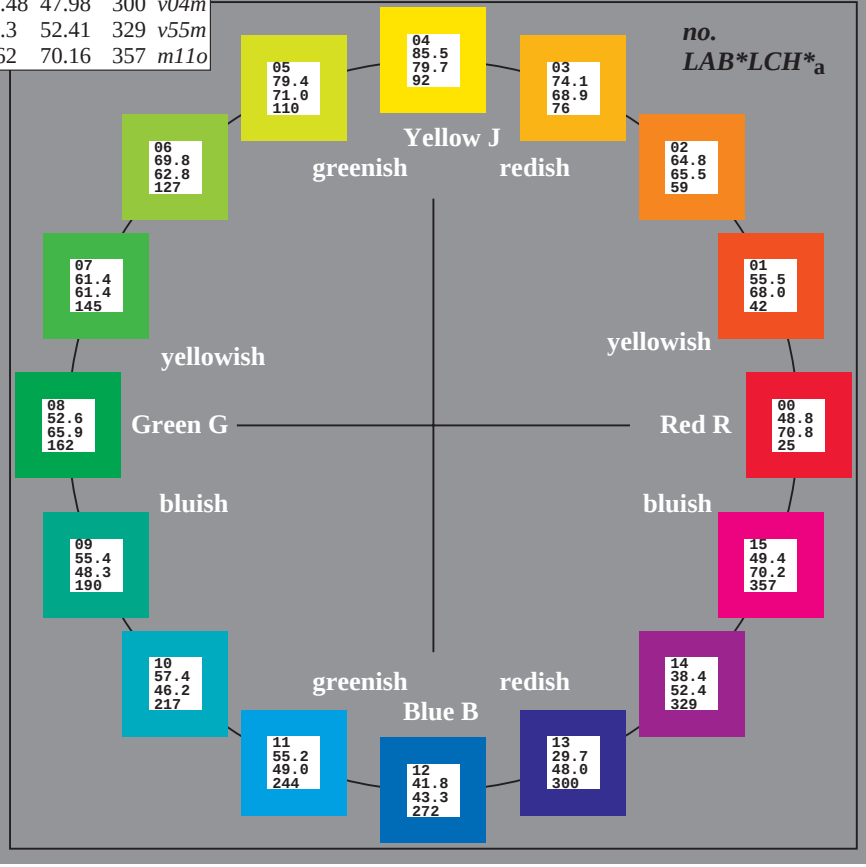


%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

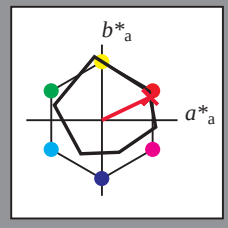
Name	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r00j* u^*_d = *m84o*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



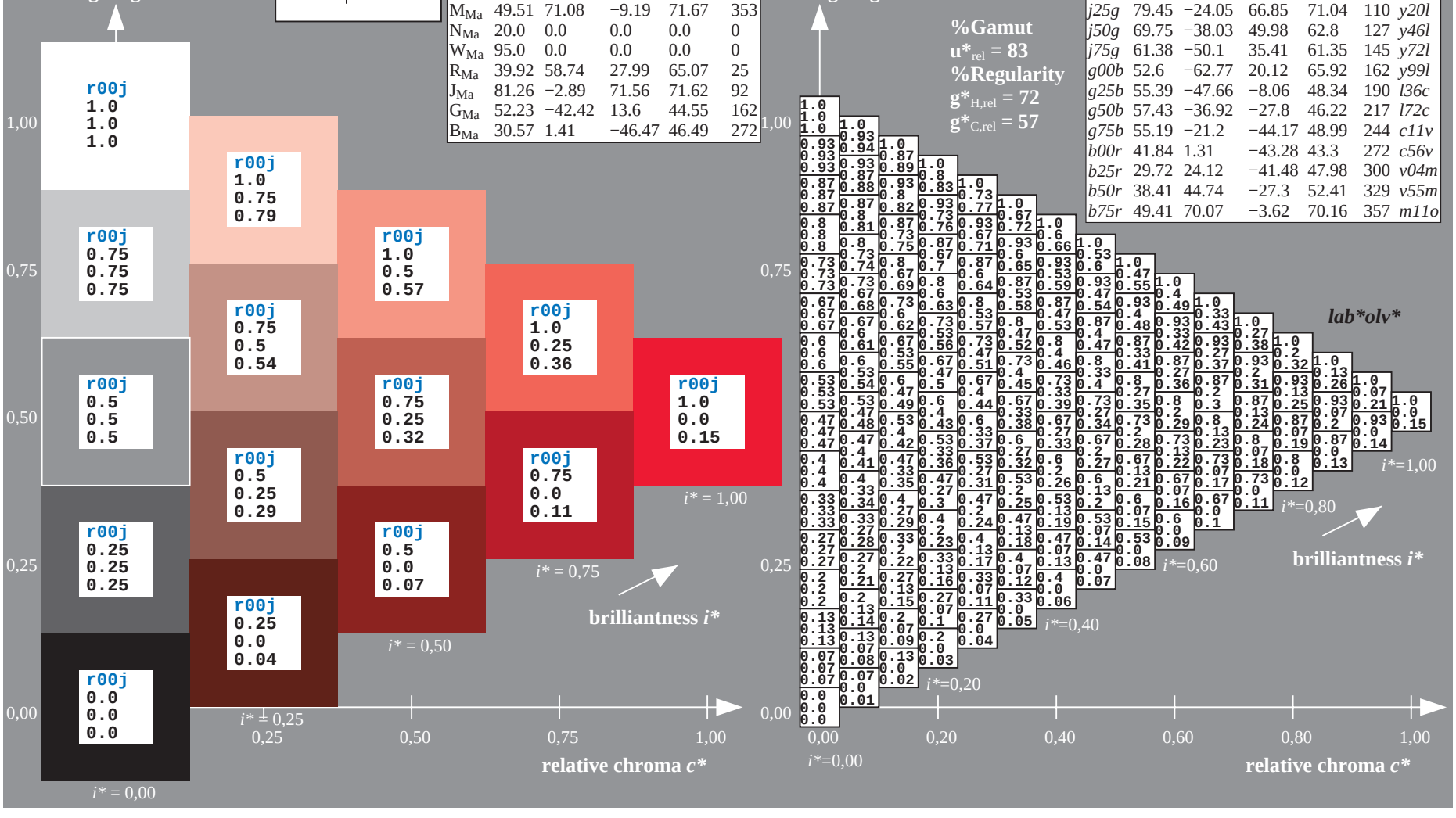
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 64 30
$LAB^*LCH^*_{Ma}$: 49 71 25
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.0
$lab^*olv^*_{Ma}$: 1.0 0.0 0.15
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

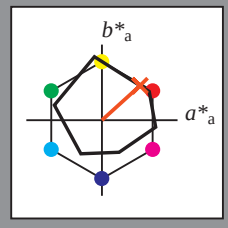
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



%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 = 0.117**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r25j* u^*_d = *o17y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

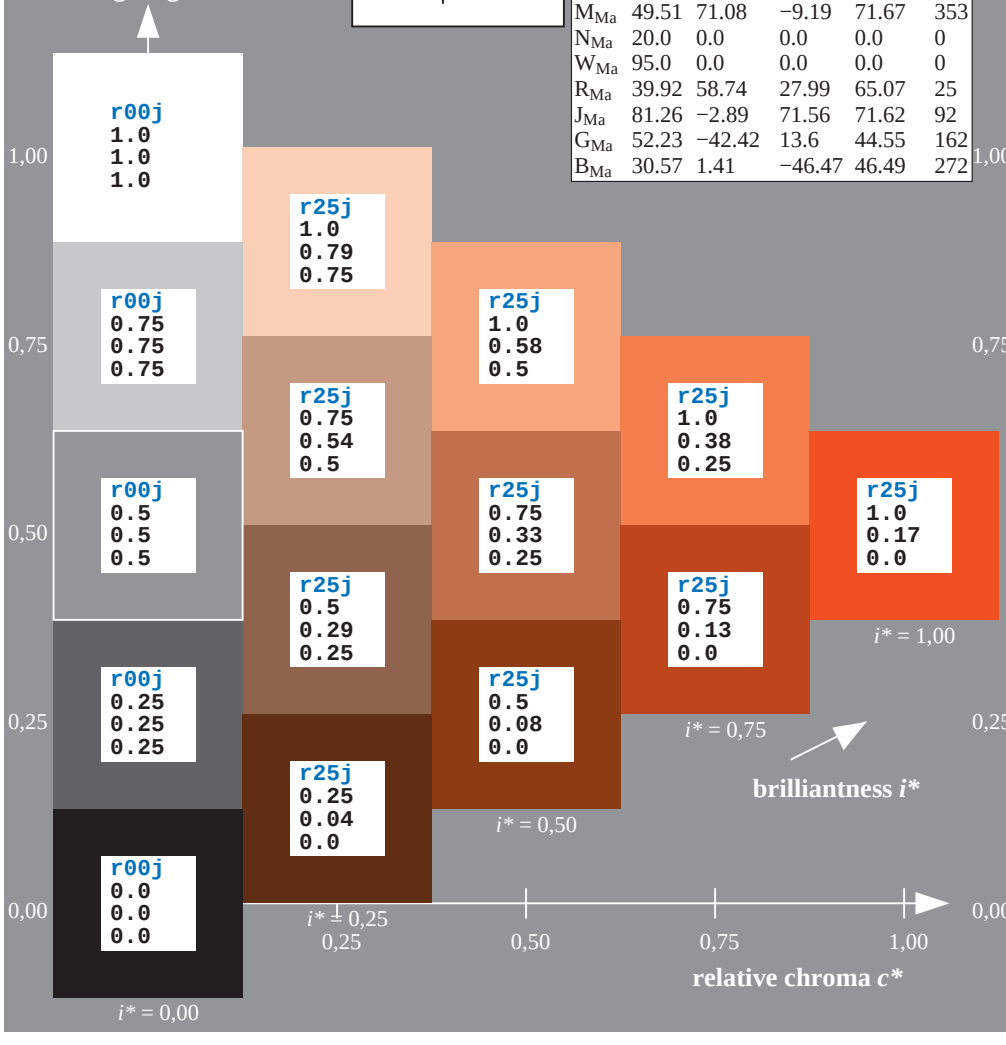
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 56 50 46
*LAB*LCH**$_{Ma}$: 56 68 42
*lab*rgb**$_{Ma}$: 1.0 0.25 0.0
*lab*olv**$_{Ma}$: 1.0 0.17 0.0
triangle lightness *t**

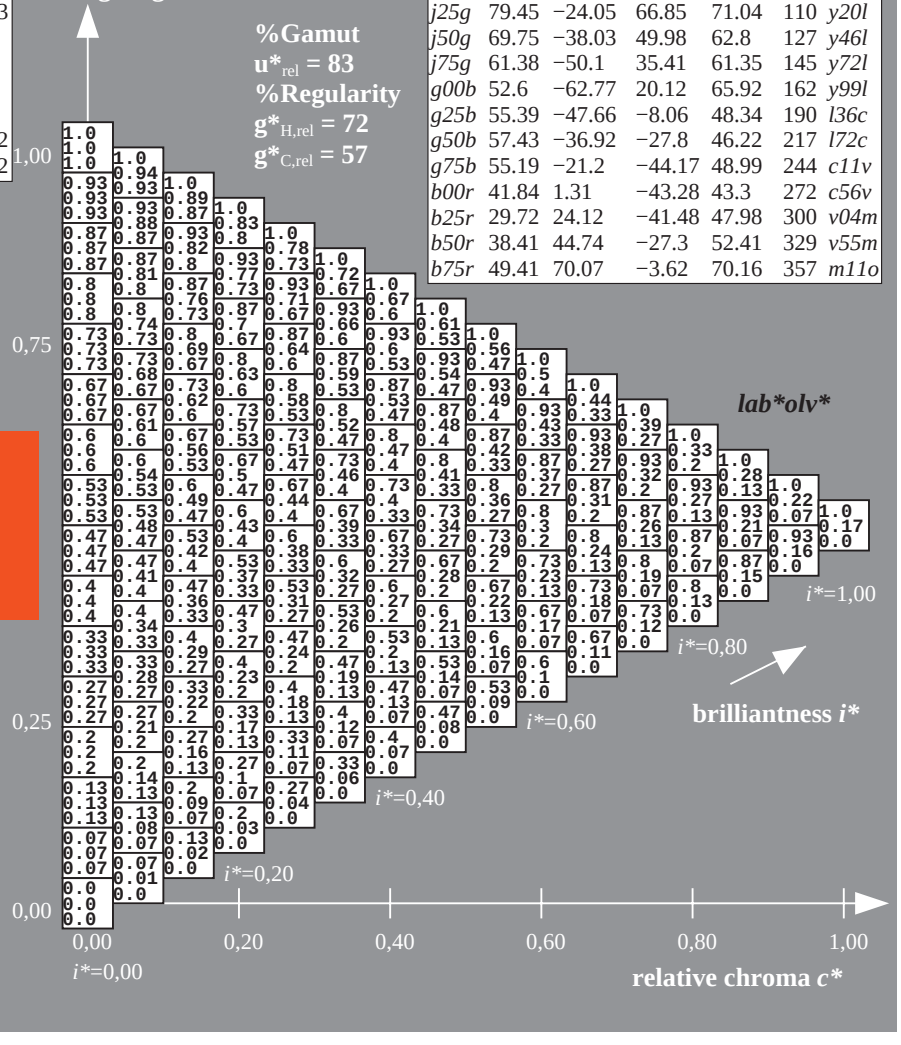
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u^*_e = *r25j*
*lab*olv**

ORS20_95a; adapted (a) CIELAB data

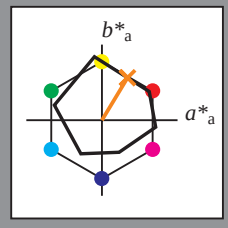
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r50j* u^*_d = *o42y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

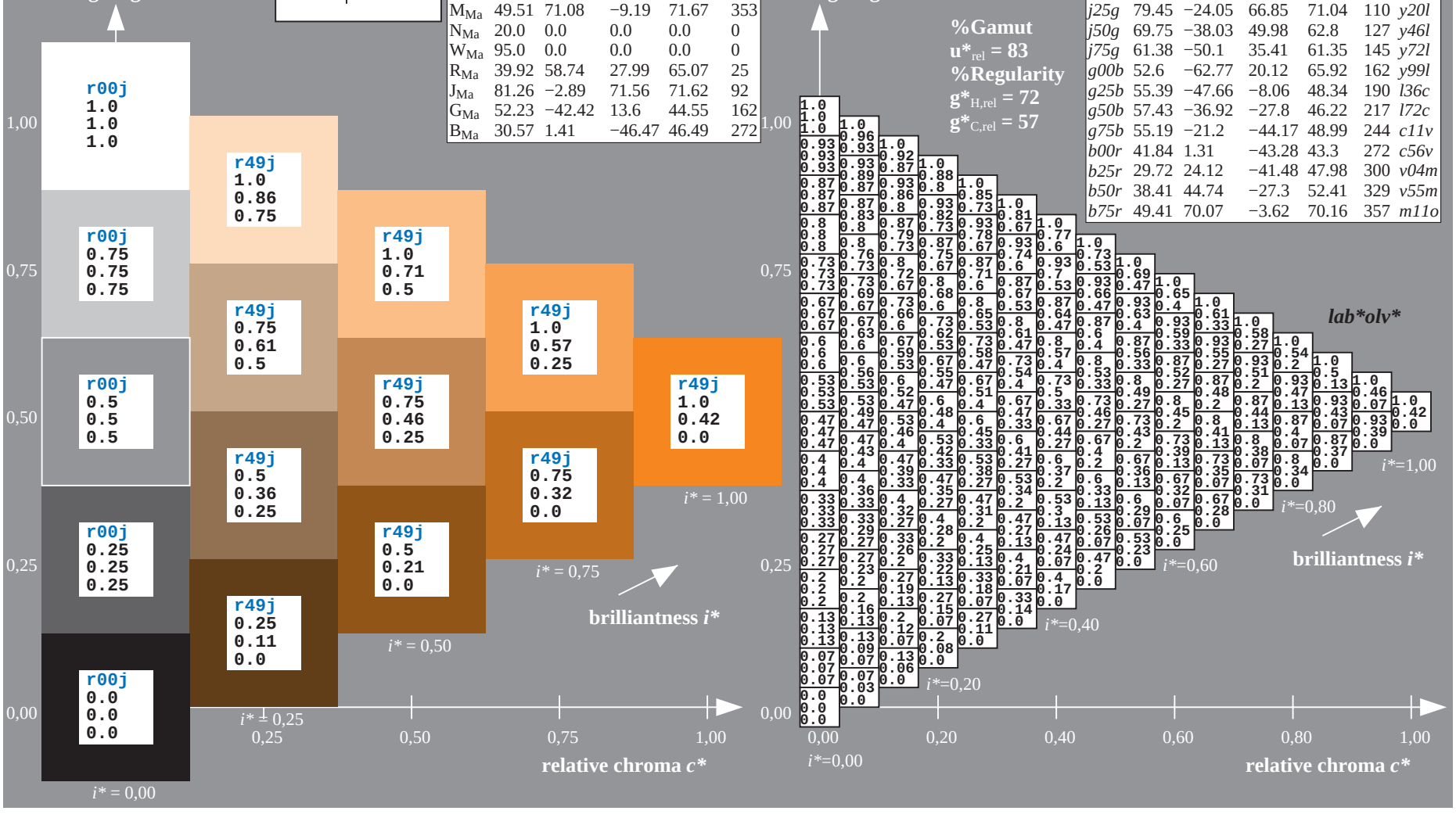
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 65 34 56
*LAB*LCH**$_{Ma}$: 65 66 58
*lab*rgb**$_{Ma}$: 1.0 0.5 0.0
*lab*olv**$_{Ma}$: 1.0 0.42 0.0
triangle lightness *t**

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

u^*_e = *r50j*
*lab*olv**

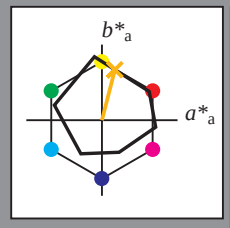
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r75j* u^*_d = *o67y*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

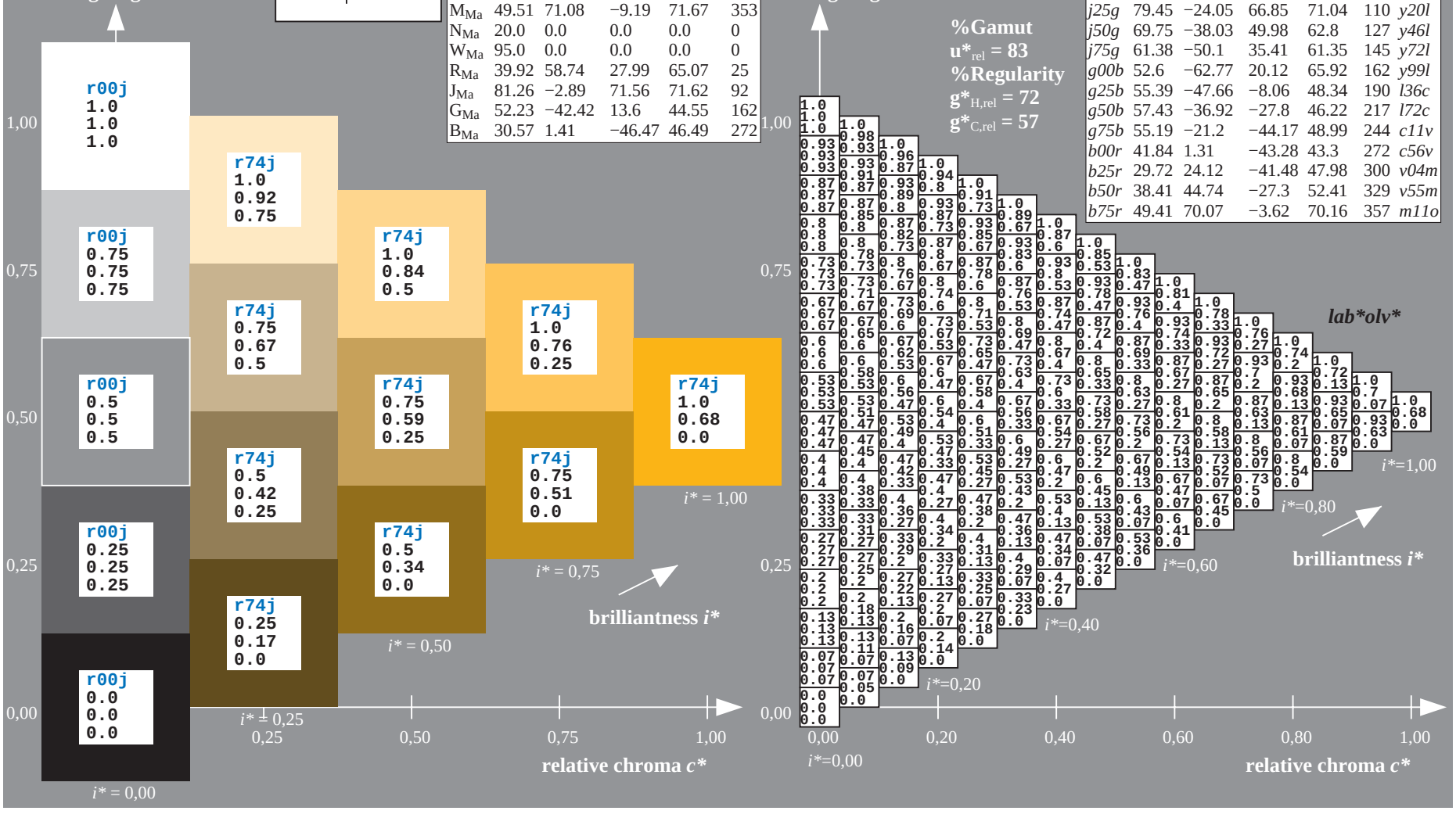
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 74 17 67
*LAB*LCH**$_{Ma}$: 74 69 75
*lab*rgb**$_{Ma}$: 1.0 0.75 0.0
*lab*olv**$_{Ma}$: 1.0 0.68 0.0
triangle lightness *t**

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

u^*_e = *r75j*
*lab*olv**

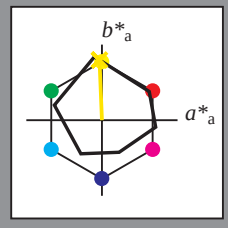
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j00g* u^*_d = *o92y*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

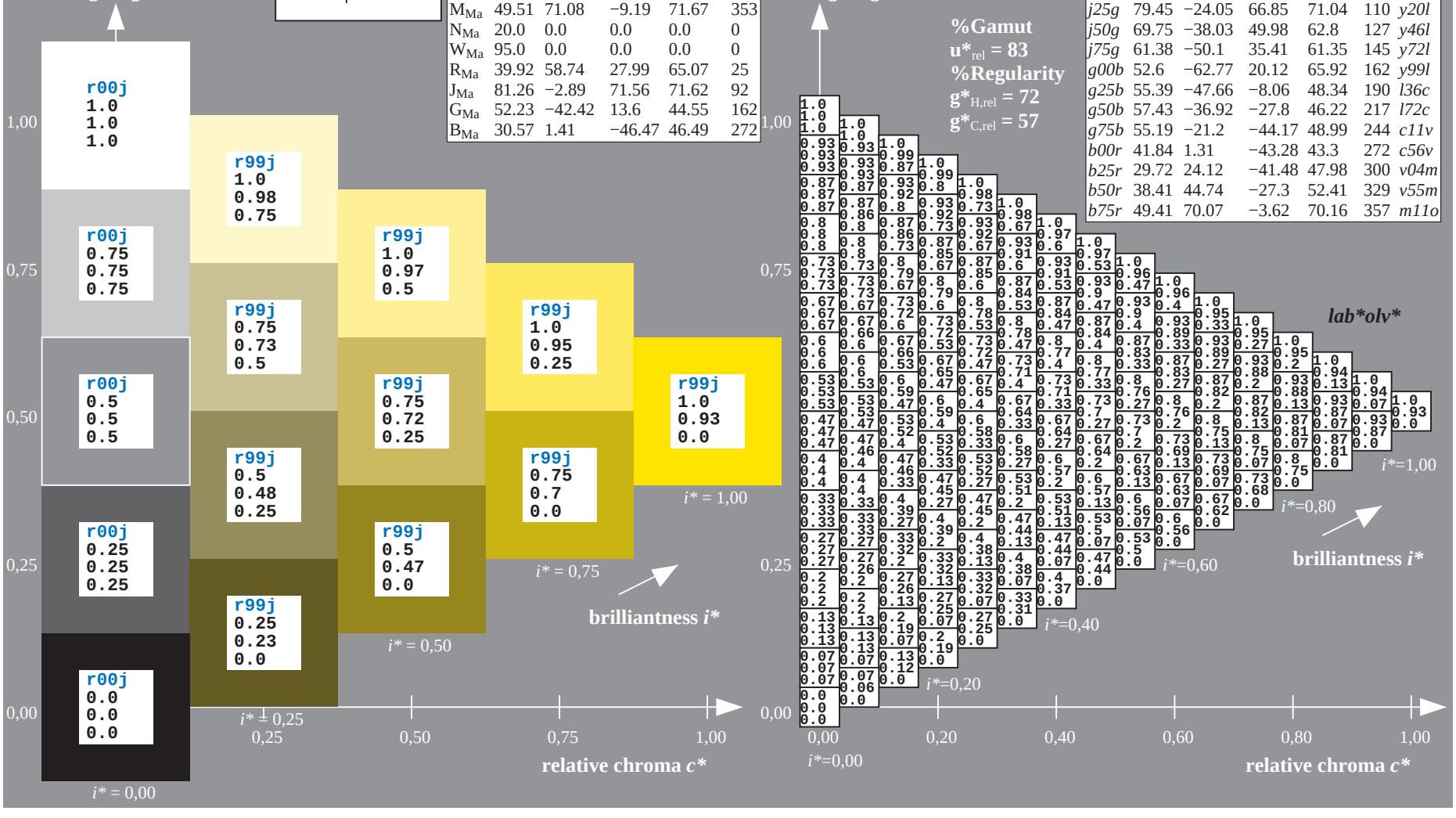
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 86 −3 80
*LAB*LCH**$_{Ma}$: 86 80 92
*lab*rgb**$_{Ma}$: 1.0 1.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.93 0.0
triangle lightness *t**

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

u^*_e = *j00g*
*lab*olv**

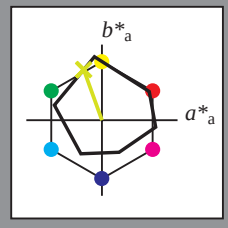
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = j25g$ $u^*_d = y20l$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

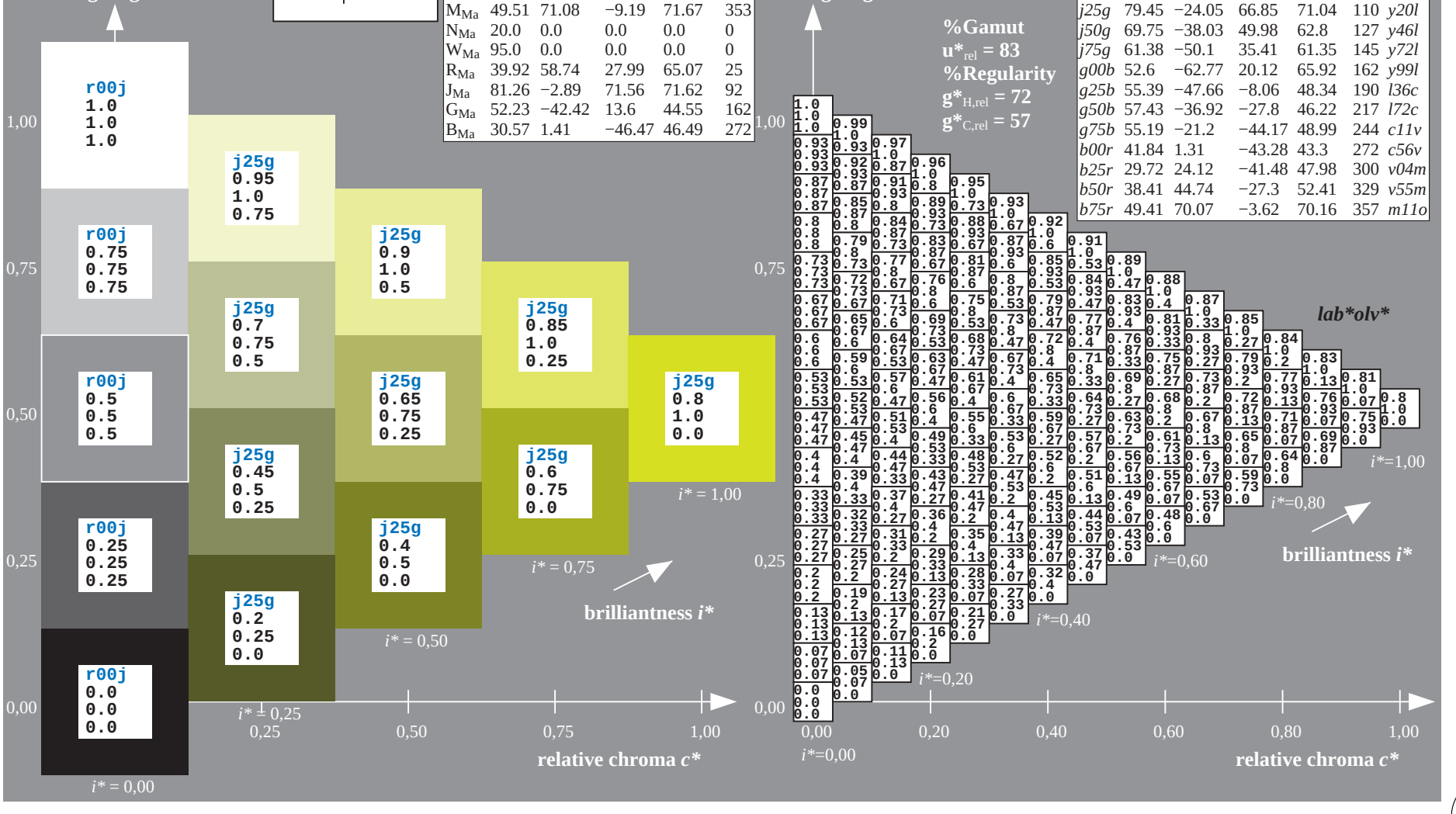
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 79 −24 67
$LAB^*LCH^*_{Ma}$: 79 71 109
$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0
$lab^*olv^*_{Ma}$: 0.8 1.0 0.0
triangle lightness *t**

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

$u^*_e = j25g$
lab^*olv^*

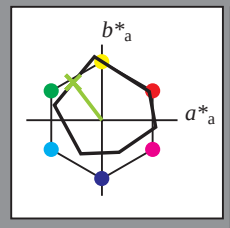
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j50g* u^*_d = *y46l*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

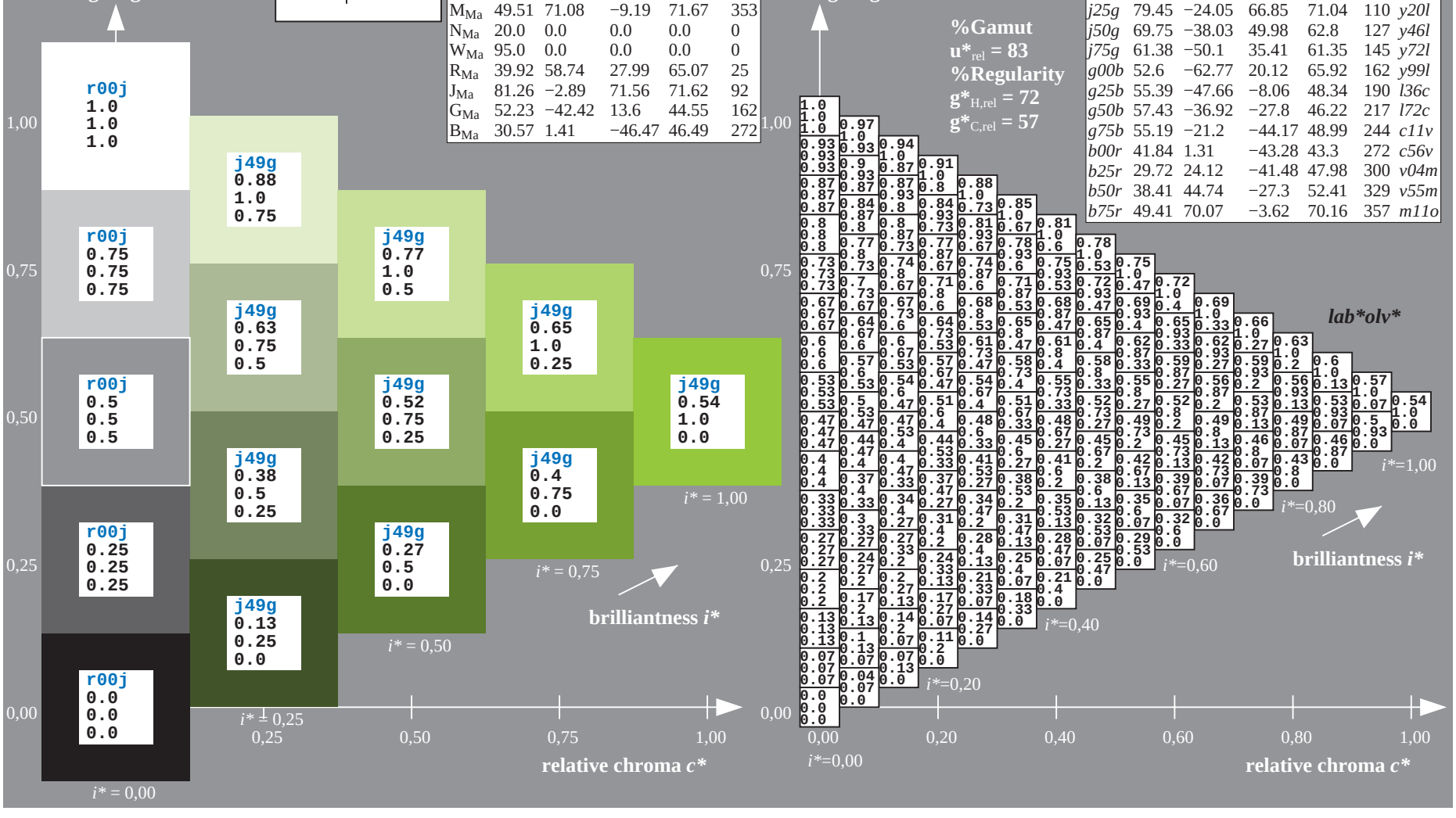
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 70 −38 50
*LAB*LCH**$_{Ma}$: 70 63 127
*lab*rgb**$_{Ma}$: 0.5 1.0 0.0
*lab*olv**$_{Ma}$: 0.54 1.0 0.0
triangle lightness *t**

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

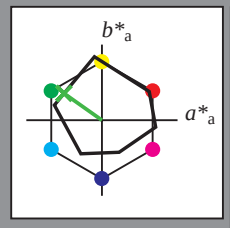
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = j75g$ $u^*_d = y72l$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t



ORS20_95a; adapted (a) CIELAB data

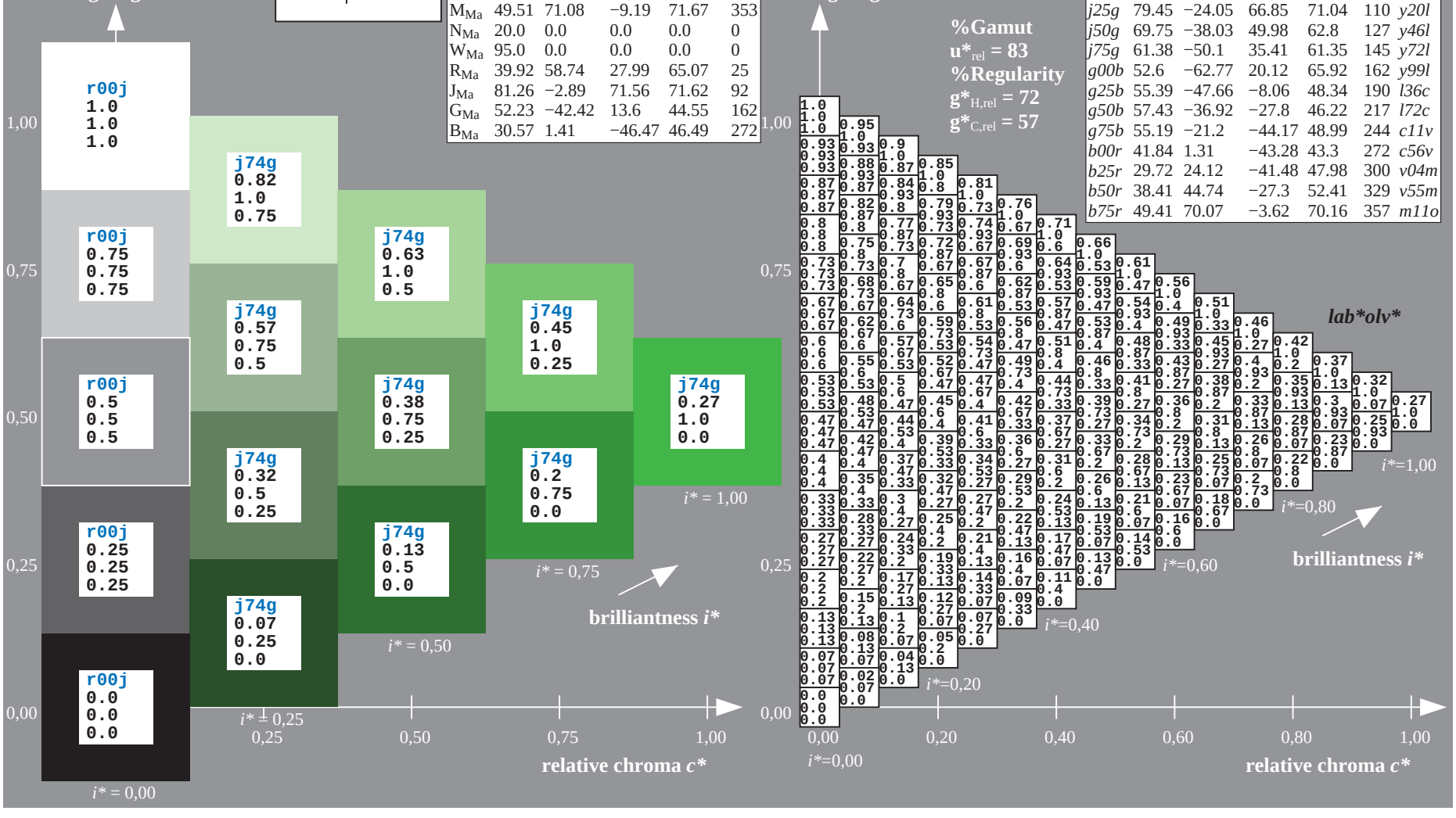
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 61 −50 35
$LAB^*LCH^*_{Ma}$: 61 61 144
$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0
$lab^*olv^*_{Ma}$: 0.27 1.0 0.0
triangle lightness *t**

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

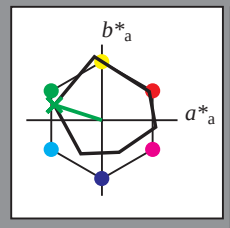
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
$u^*_e = g00b$ $u^*_d = y99l$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

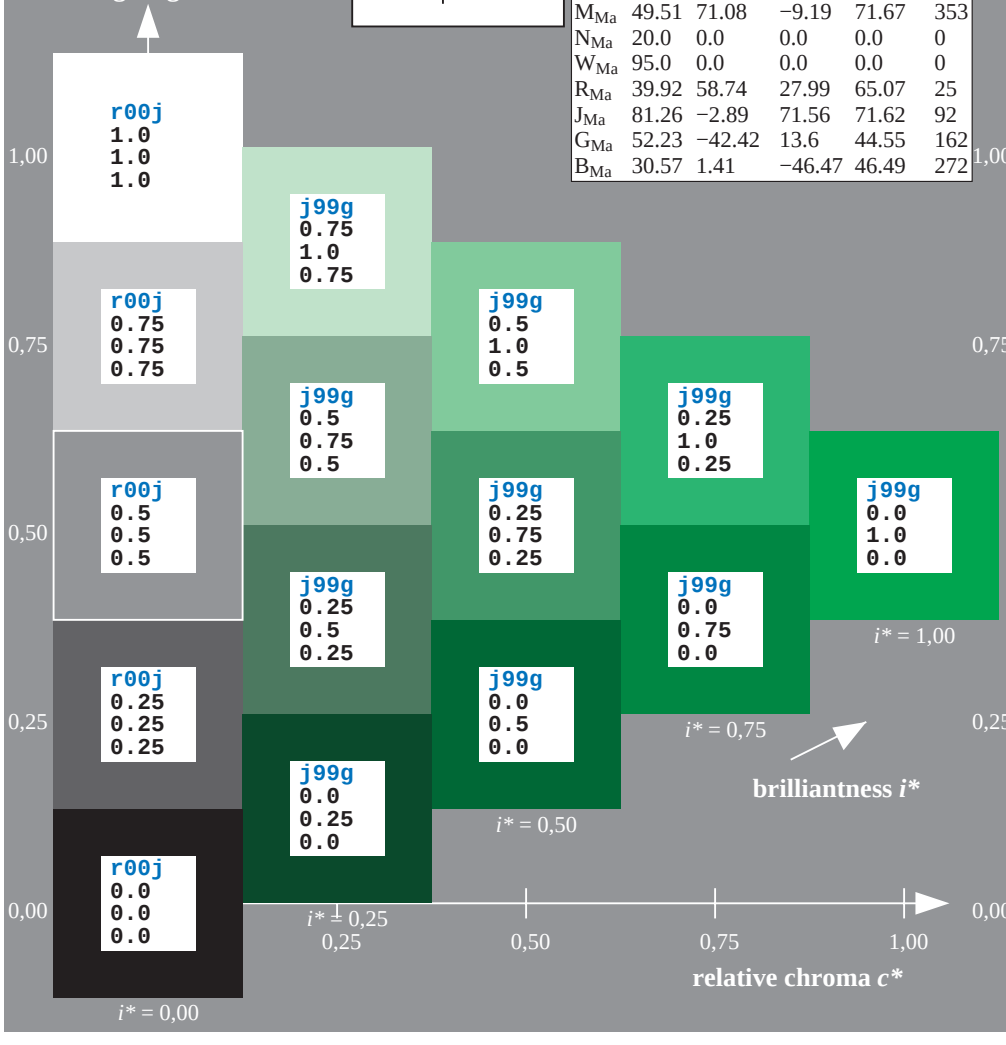
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −63 20
$LAB^*LCH^*_{Ma}$: 53 66 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.0
triangle lightness *t**

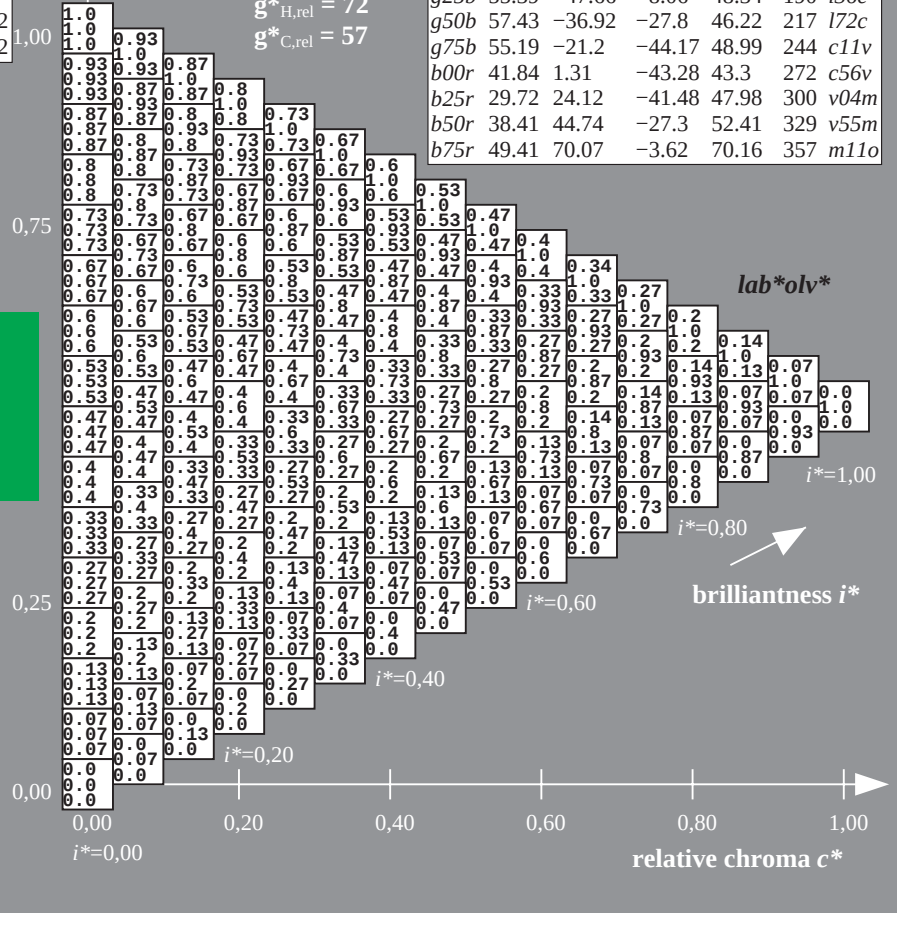
%Gamut
$u^*_{rel} = 83$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

$u^*_e = g00b$
lab^*olv^*

ORS20_95a; adapted (a) CIELAB data

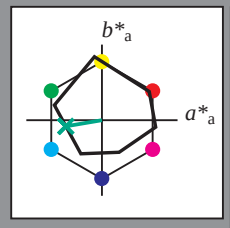
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
$u^*_e = g25b$ $u^*_d = l36c$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

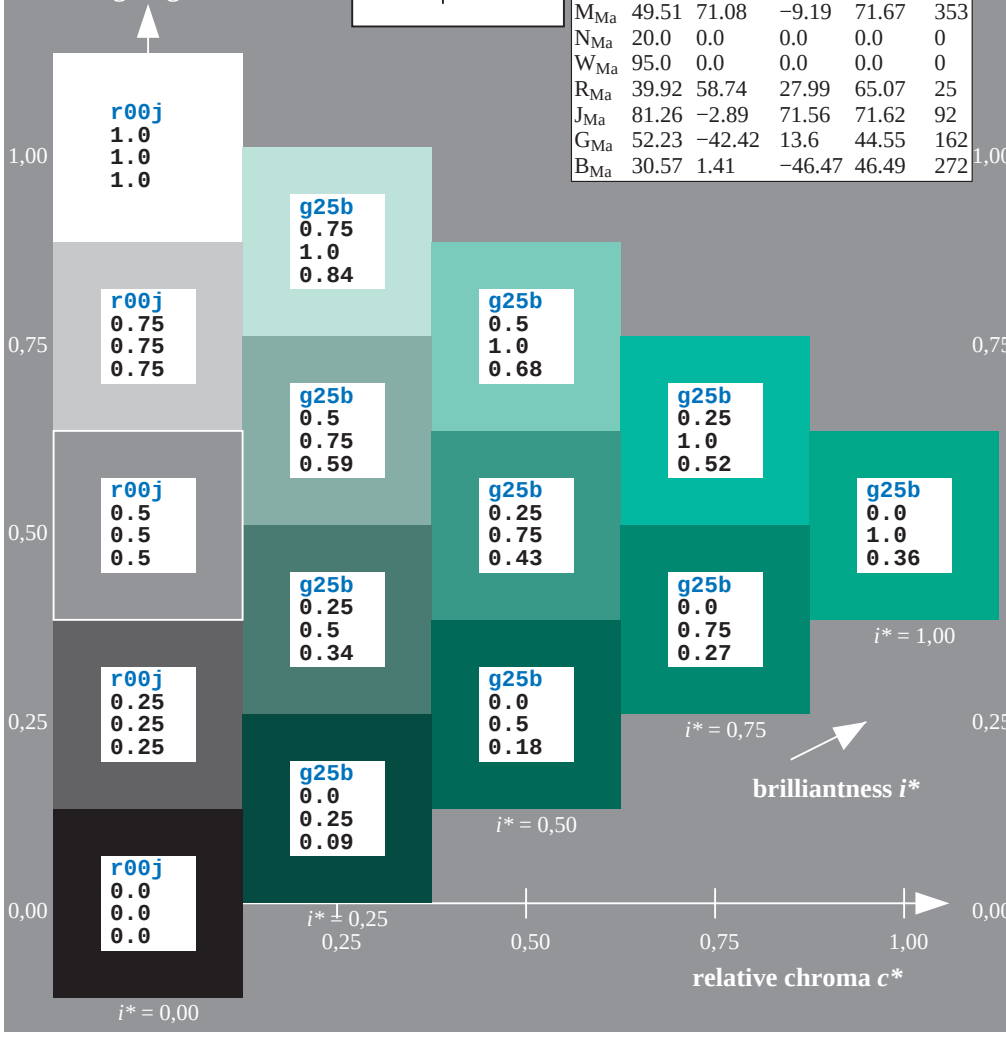
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 −48 −8
$LAB^*LCH^*_{Ma}$: 55 48 189
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*olv^*_{Ma}$: 0.0 1.0 0.36
triangle lightness *t**

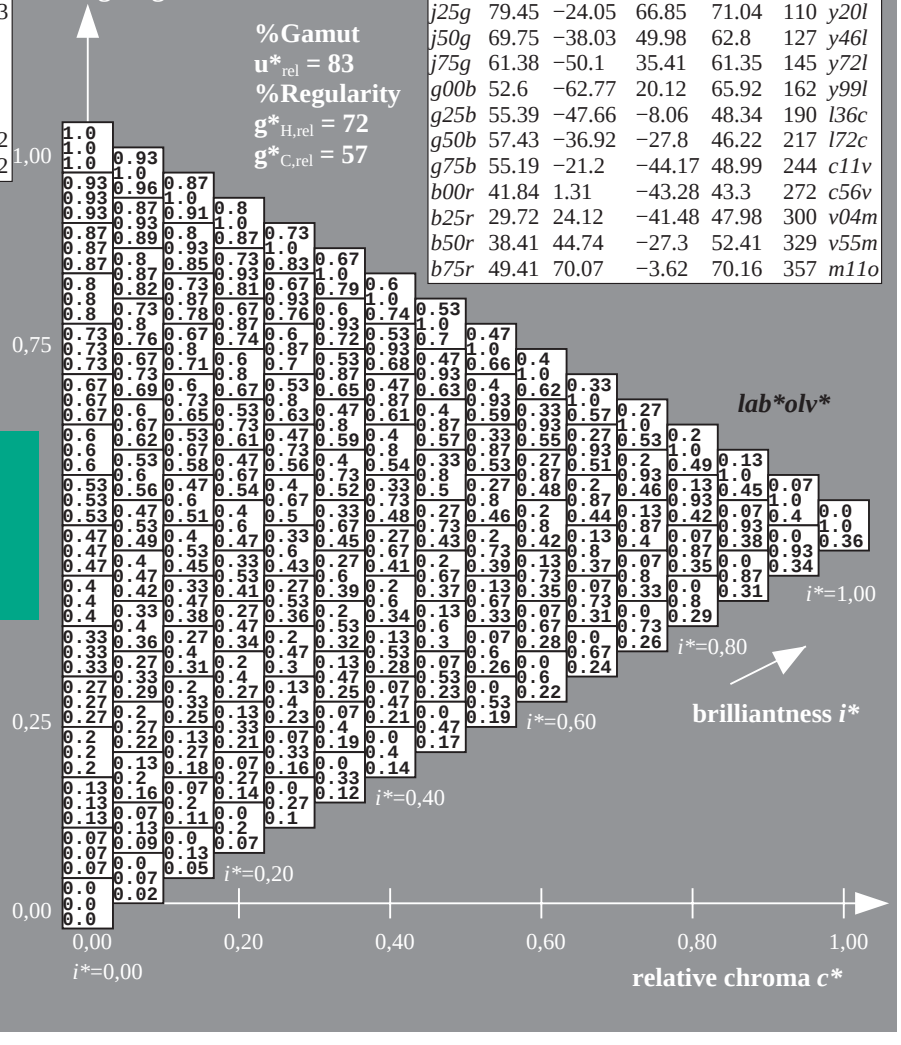
%Gamut
$u^*_{rel} = 83$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

$u^*_e = g25b$
lab^*olv^*

ORS20_95a; adapted (a) CIELAB data

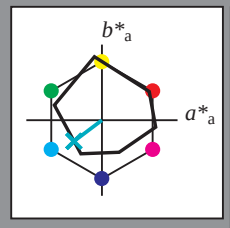
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g50b$ $u^*_d = l72c$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

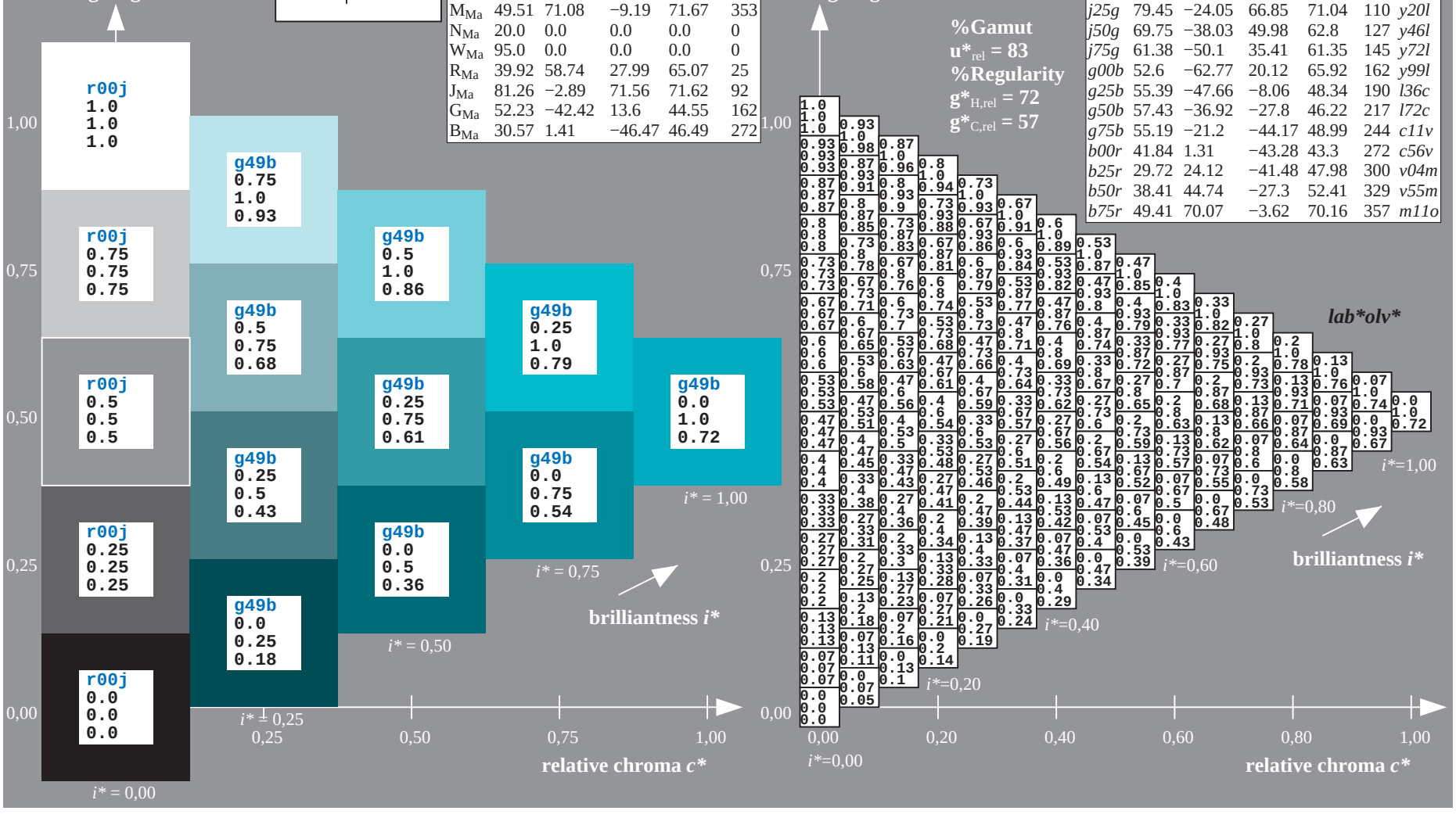
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31	
Y_{Ma}	89.25	−9.92	83.91	84.49	97	
L_{Ma}	52.5	−62.91	19.95	66.0	162	
C_{Ma}	59.15	−27.87	−44.43	52.45	238	
V_{Ma}	29.13	22.73	−42.44	48.14	298	
M_{Ma}	49.51	71.08	−9.19	71.67	353	
N_{Ma}	20.0	0.0	0.0	0.0	0	
W_{Ma}	95.0	0.0	0.0	0.0	0	
R_{Ma}	39.92	58.74	27.99	65.07	25	
J_{Ma}	81.26	−2.89	71.56	71.62	92	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	30.57	1.41	−46.47	46.49	272	

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 57 −37 −28
*LAB*LCH**$_{Ma}$: 57 46 216
*lab*rgb**$_{Ma}$: 0.0 1.0 1.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.72
triangle lightness *t**

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

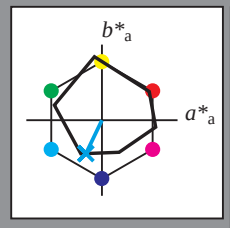
ORS20_95a; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25		*m84o*
r25j	55.53	50.37	45.65	67.97	42		*o17y*
r50j	64.76	33.86	56.12	65.55	59		*o42y*
r75j	74.12	17.13	66.74	68.9	76		*o67y*
j00g	85.5	−3.22	79.65	79.72	92		*o92y*
j25g	79.45	−24.05	66.85	71.04	110		*y20l*
j50g	69.75	−38.03	49.98	62.8	127		*y46l*
j75g	61.38	−50.1	35.41	61.35	145		*y72l*
g00b	52.6	−62.77	20.12	65.92	162		*y99l*
g25b	55.39	−47.66	−8.06	48.34	190		*l36c*
g50b	57.43	−36.92	−27.8	46.22	217		*l72c*
g75b	55.19	−21.2	−44.17	48.99	244		*c11v*
b00r	41.84	1.31	−43.28	43.3	272		*c56v*
b25r	29.72	24.12	−41.48	47.98	300		*v04m*
b50r	38.41	44.74	−27.3	52.41	329		*v55m*
b75r	49.41	70.07	−3.62	70.16	357		*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g75b$ $u^*_d = c11v$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

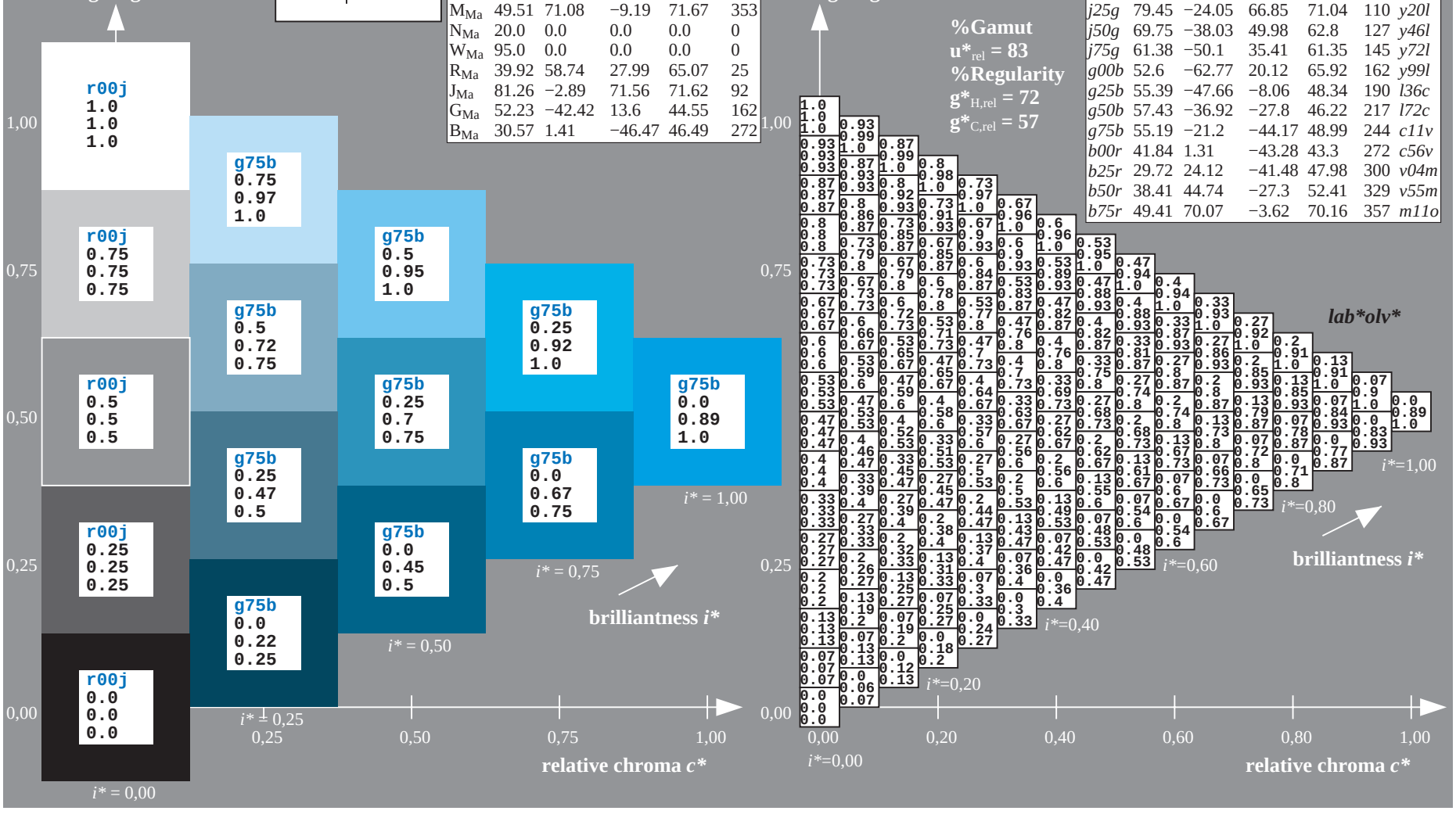
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 −21 −44
$LAB^*LCH^*_{Ma}$: 55 49 244
$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0
$lab^*olv^*_{Ma}$: 0.0 0.89 1.0
triangle lightness *t**

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

$u^*_e = g75b$
lab^*olv^*

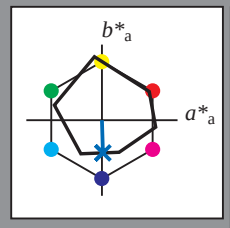
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b00r* u^*_d = *c56v*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

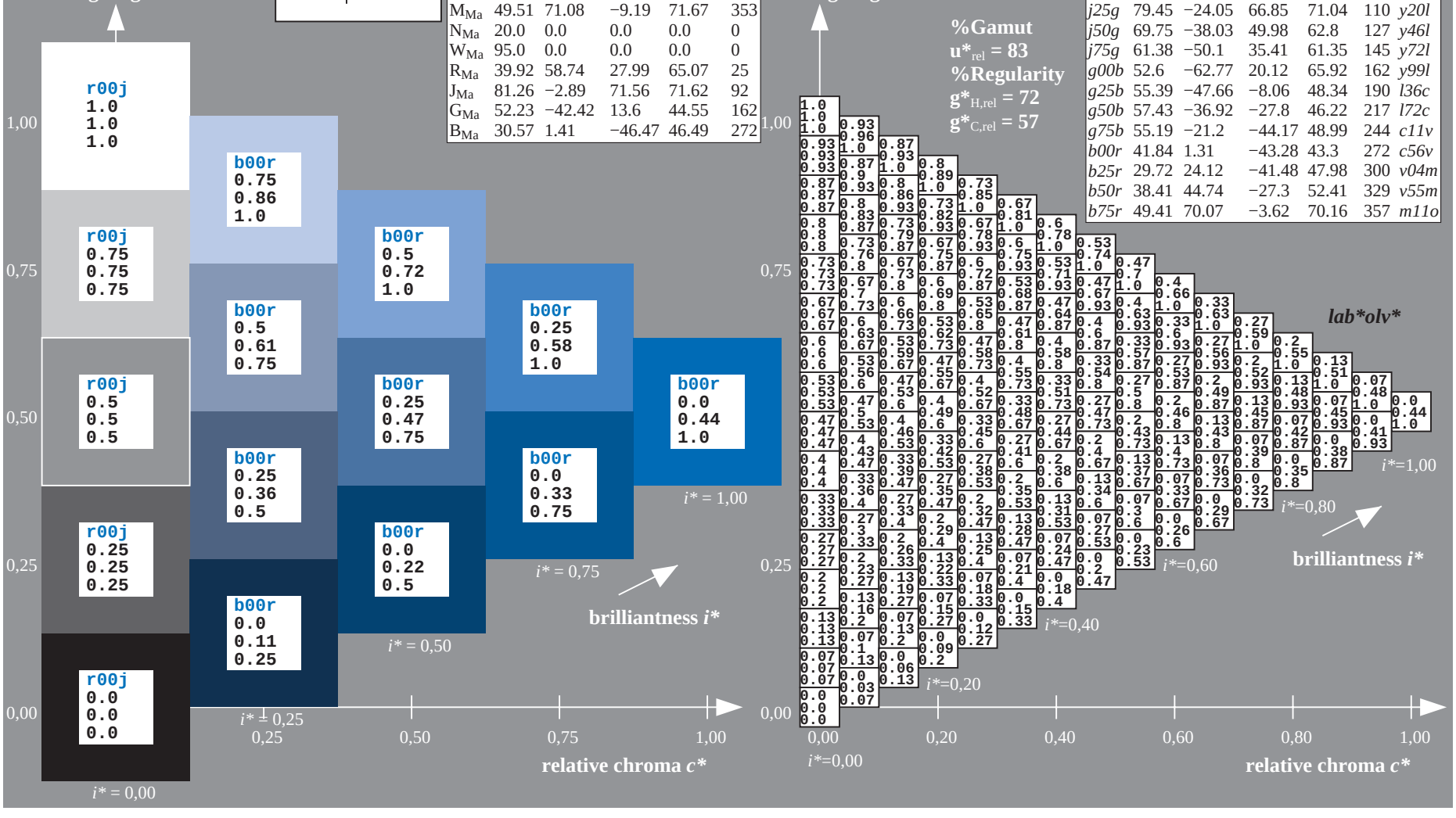
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 1 −43
*LAB*LCH**$_{Ma}$: 42 43 271
*lab*rgb**$_{Ma}$: 0.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.0 0.44 1.0
triangle lightness *t**

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

u^*_e = *b00r*
*lab*olv**

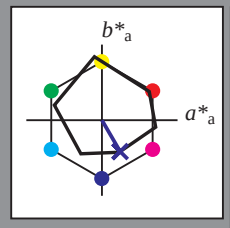
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b25r* u^*_d = *v04m*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

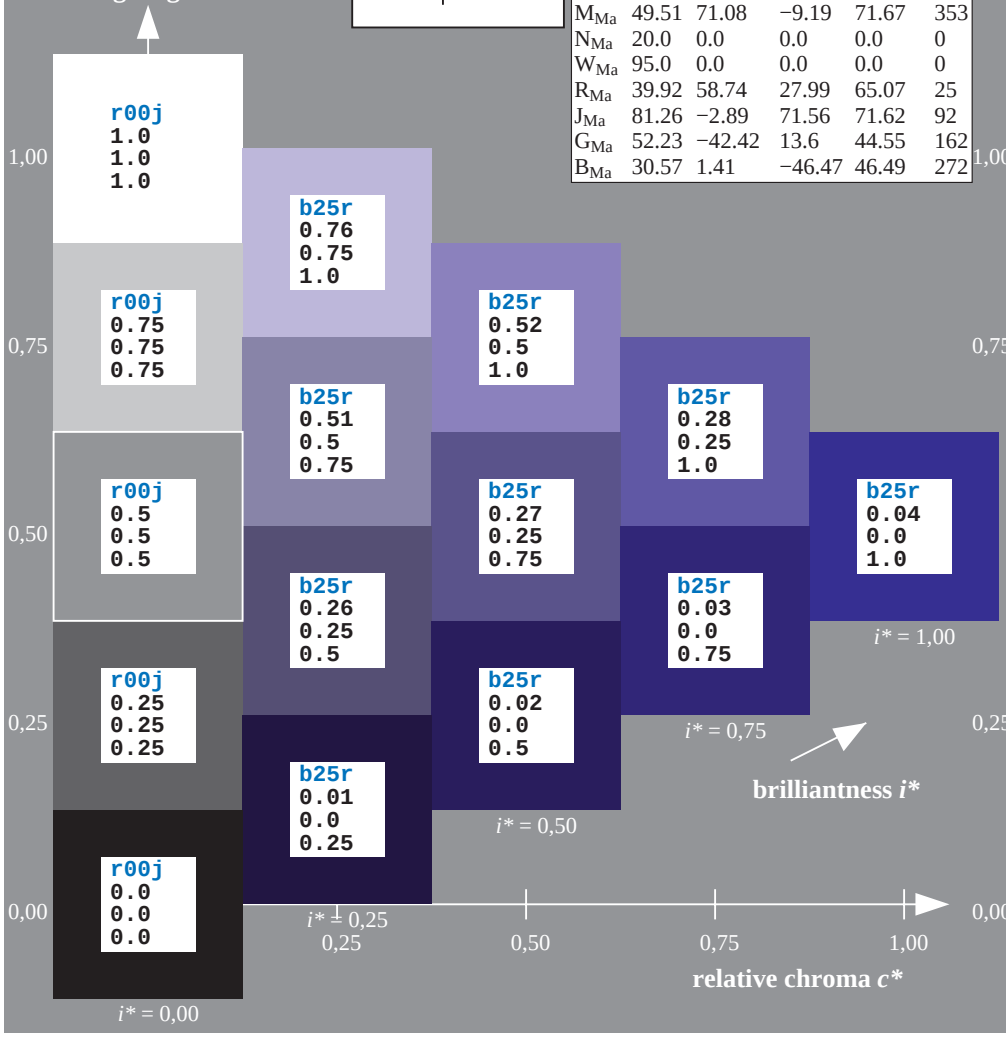
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 30 24 −41
$LAB^*LCH^*_{Ma}$: 30 48 300
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0
$lab^*olv^*_{Ma}$: 0.04 0.0 1.0
triangle lightness *t**

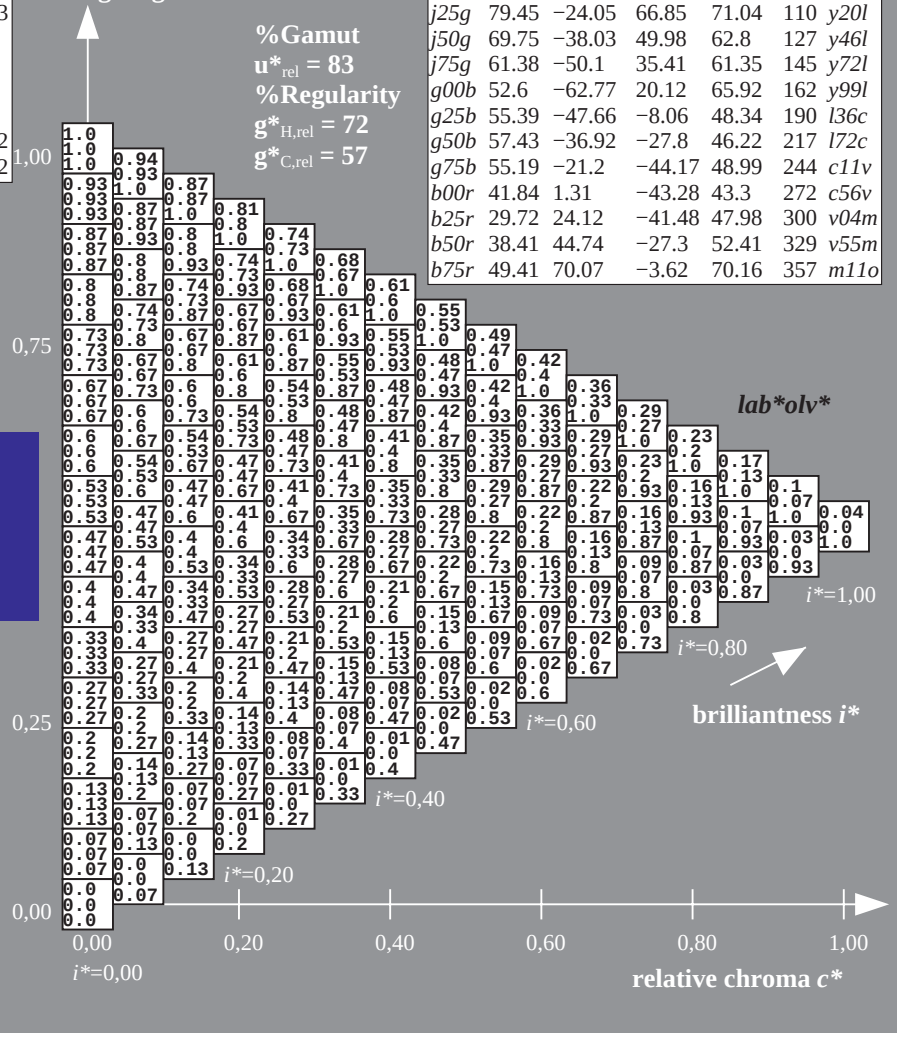
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u^*_e = *b25r*
*lab*olv**

ORS20_95a; adapted (a) CIELAB data

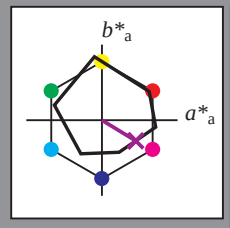
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b50r* u^*_d = *v55m*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

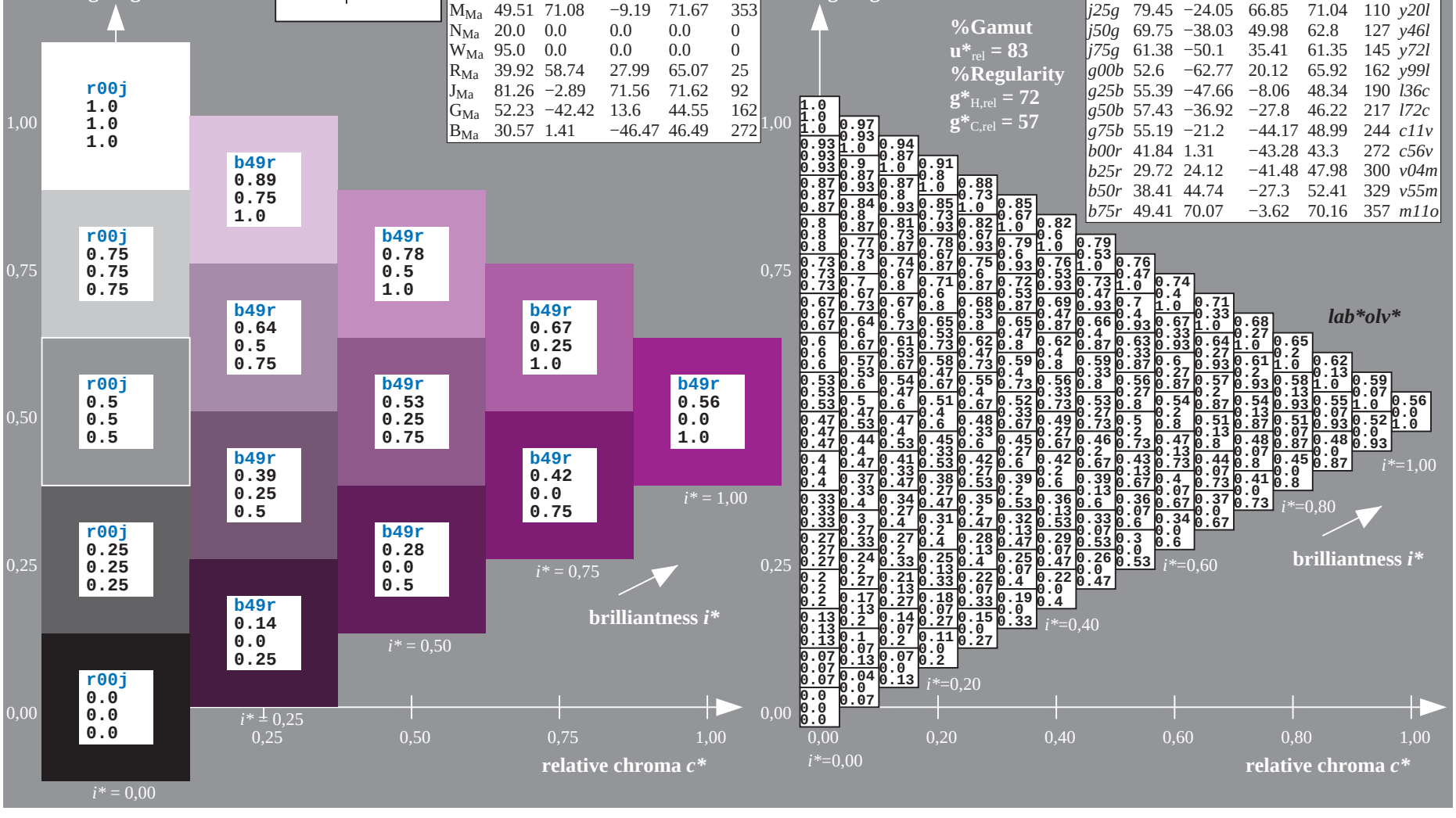
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 38 45 −27
*LAB*LCH**$_{Ma}$: 38 52 328
*lab*rgb**$_{Ma}$: 1.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.56 0.0 1.0
triangle lightness *t**

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

u^*_e = *b50r*
*lab*olv**

ORS20_95a; adapted (a) CIELAB data

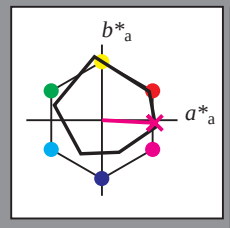
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = b75r$ $u^*_d = m11o$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

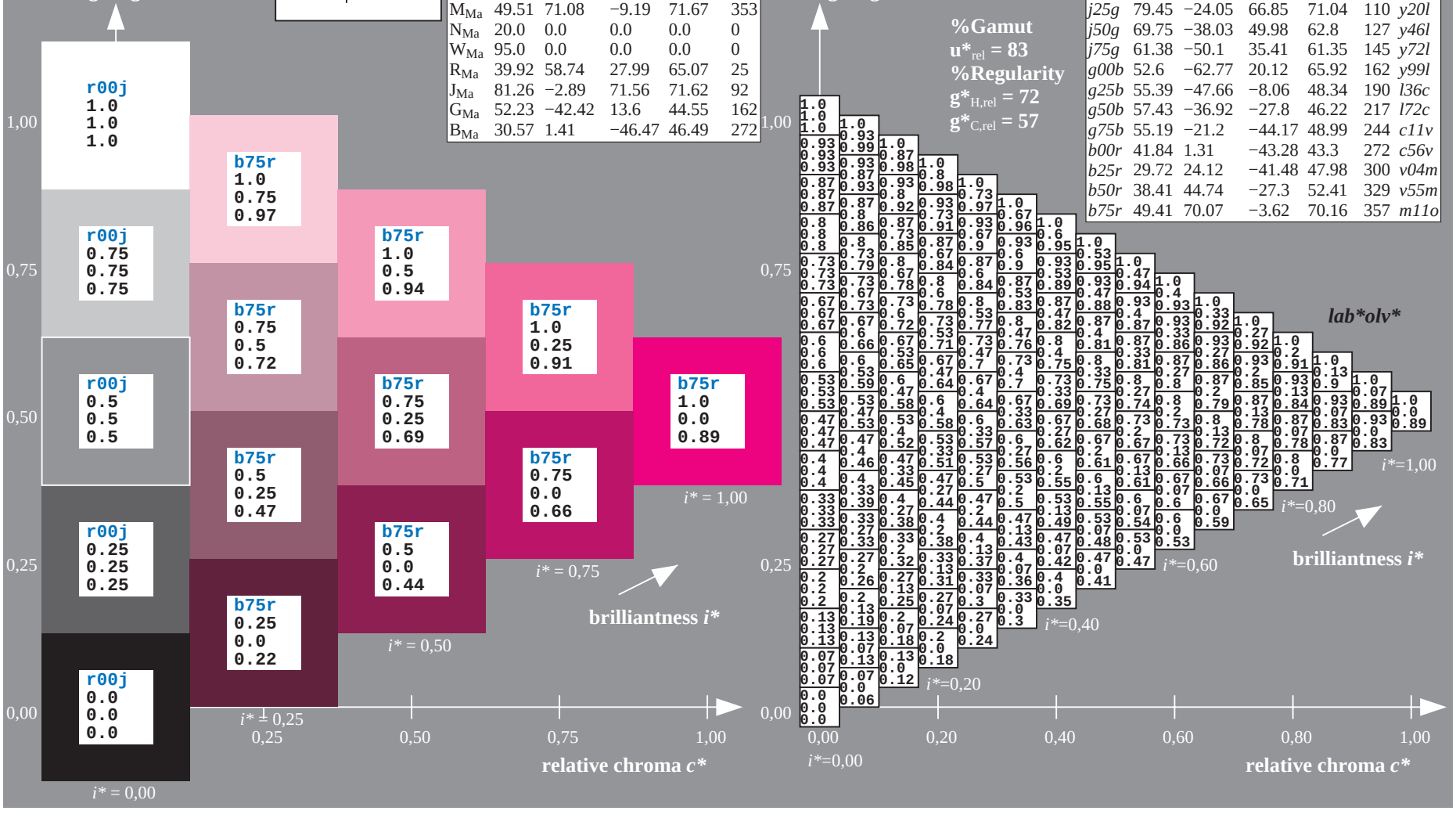
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 70 −4
$LAB^*LCH^*_{Ma}$: 49 70 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.89
triangle lightness *t**

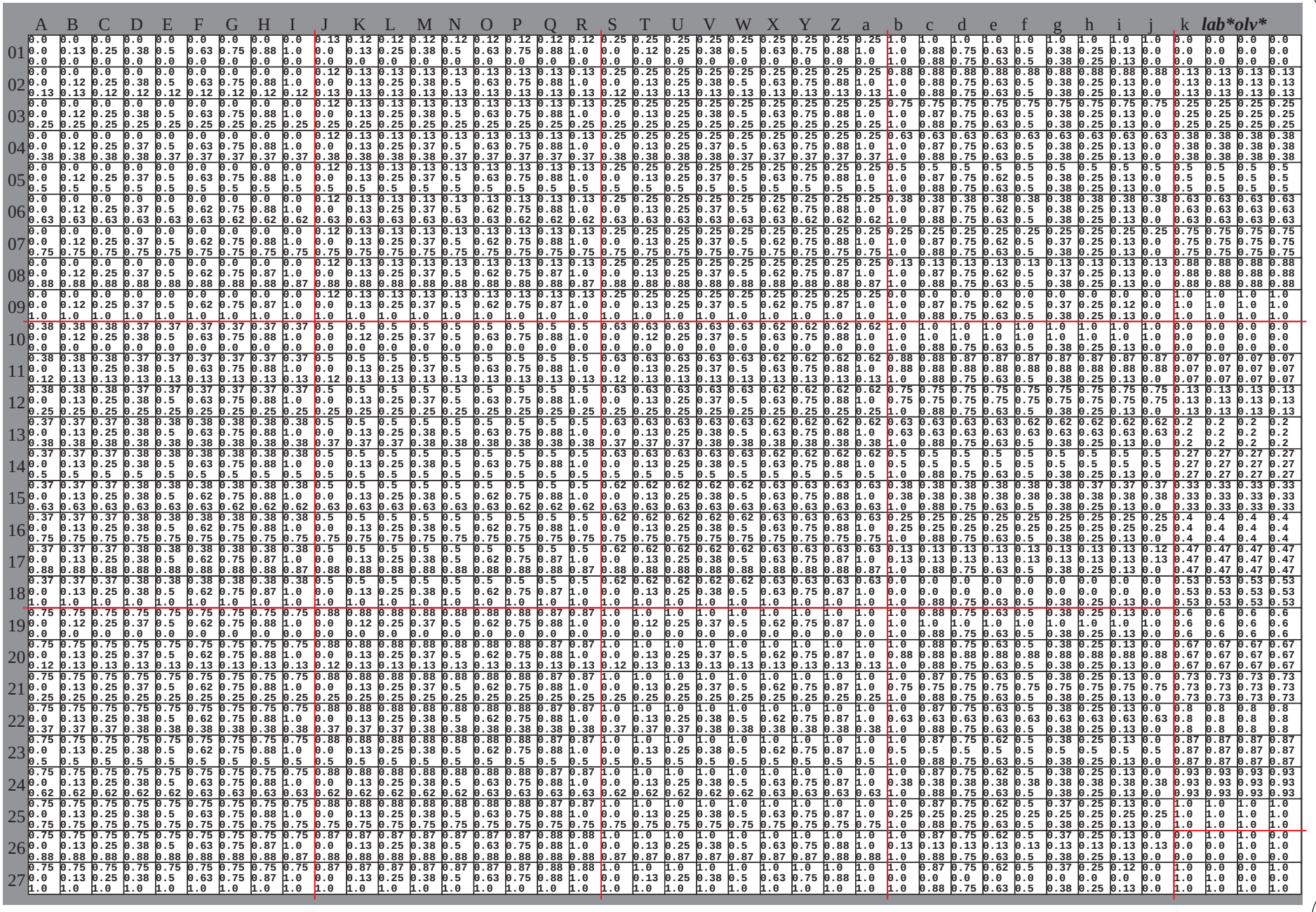
%Gamut
$u^*_{rel} = 83$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

$u^*_e = b75r$
lab^*olv^*

ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*

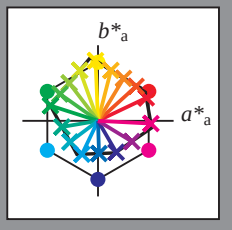




Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 0.96

ORS20_95a; adapted (a) CIELAB data

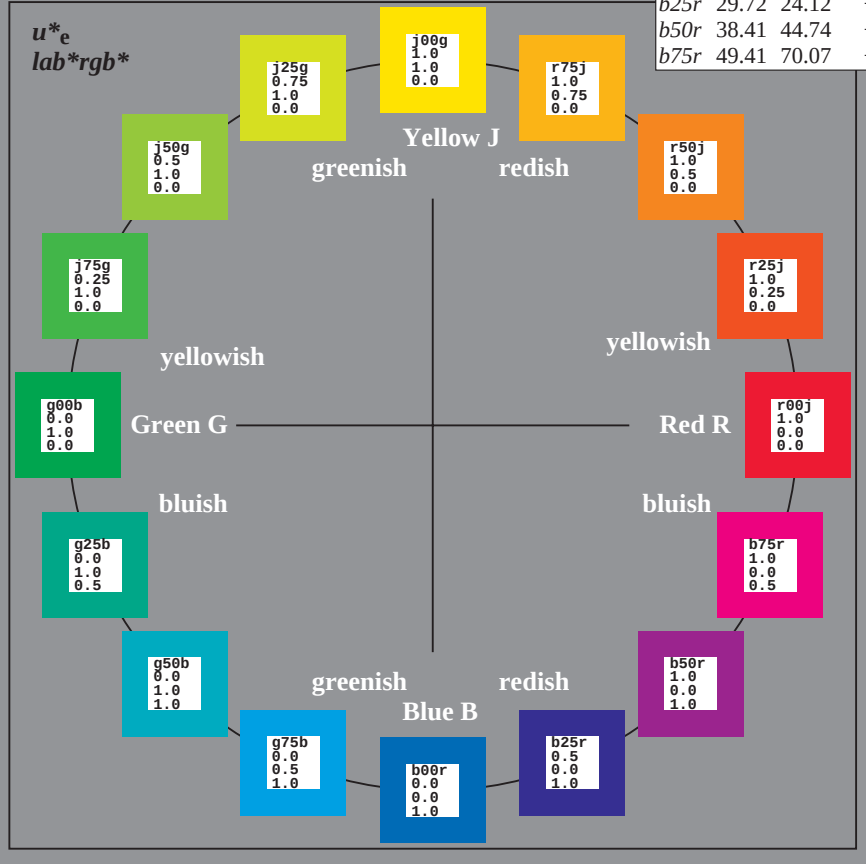
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*

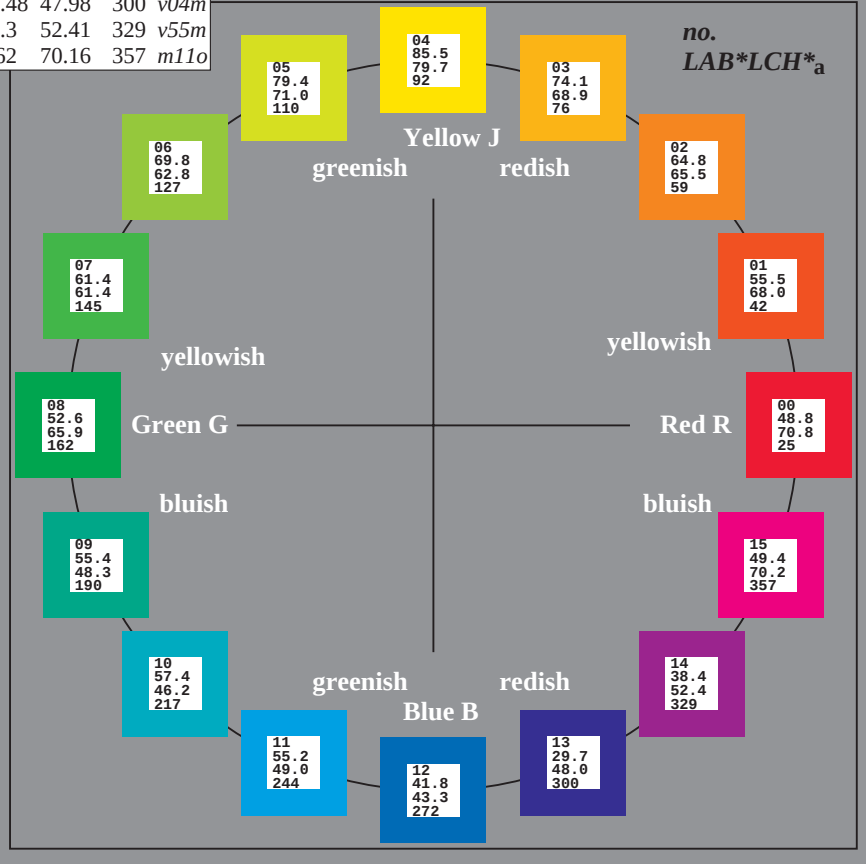


%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

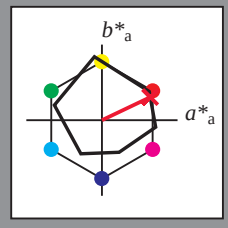
Name	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r00j* u^*_d = *m84o*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

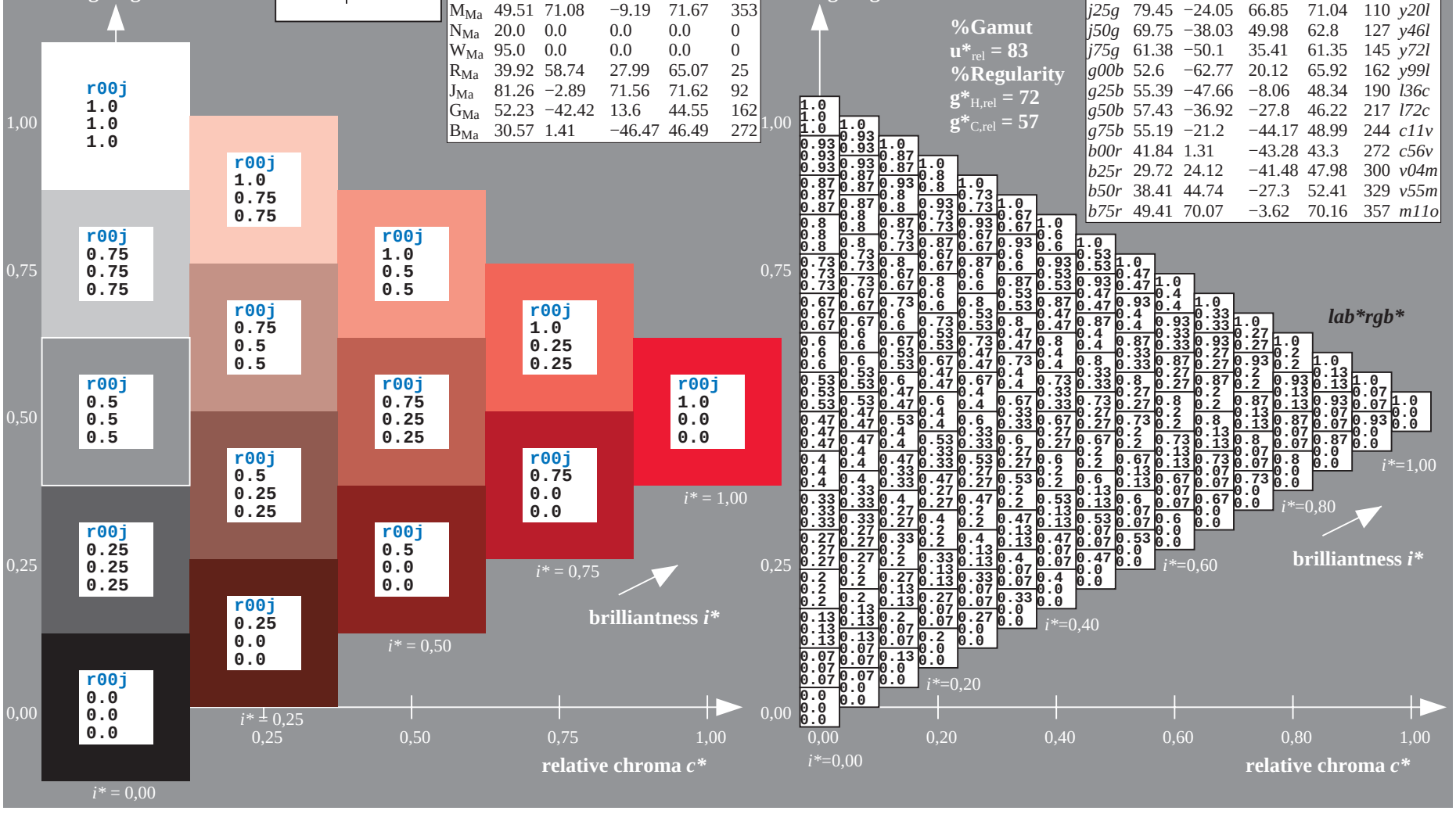
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 49 64 30
*LAB*LCH**$_{Ma}$: 49 71 25
*lab*rgb**$_{Ma}$: 1.0 0.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.0 0.15
triangle lightness *t**

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

u^*_e = *r00j*
*lab*rgb**

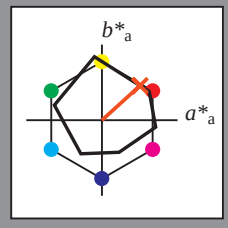
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r25j* u^*_d = *o17y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

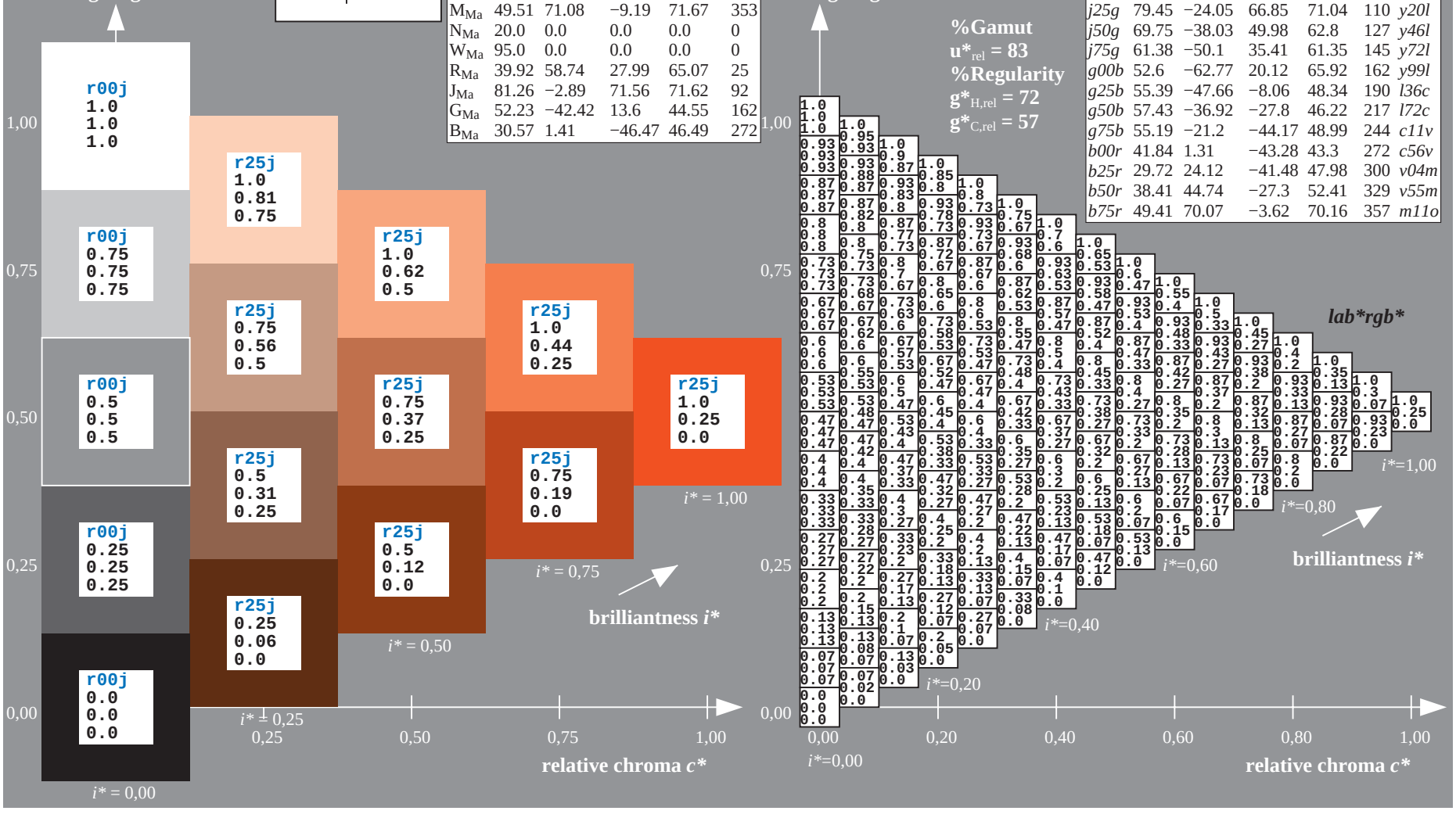
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 56 50 46**
LAB*LCH*$_{Ma}$**: 56 68 42**
lab*rgb*$_{Ma}$**: 1.0 0.25 0.0**
lab*olv*$_{Ma}$**: 1.0 0.17 0.0**
triangle lightness *t**

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

u*e = r25j
lab*rgb*

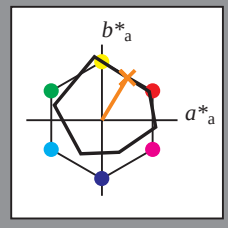
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r50j* u^*_d = *o42y*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

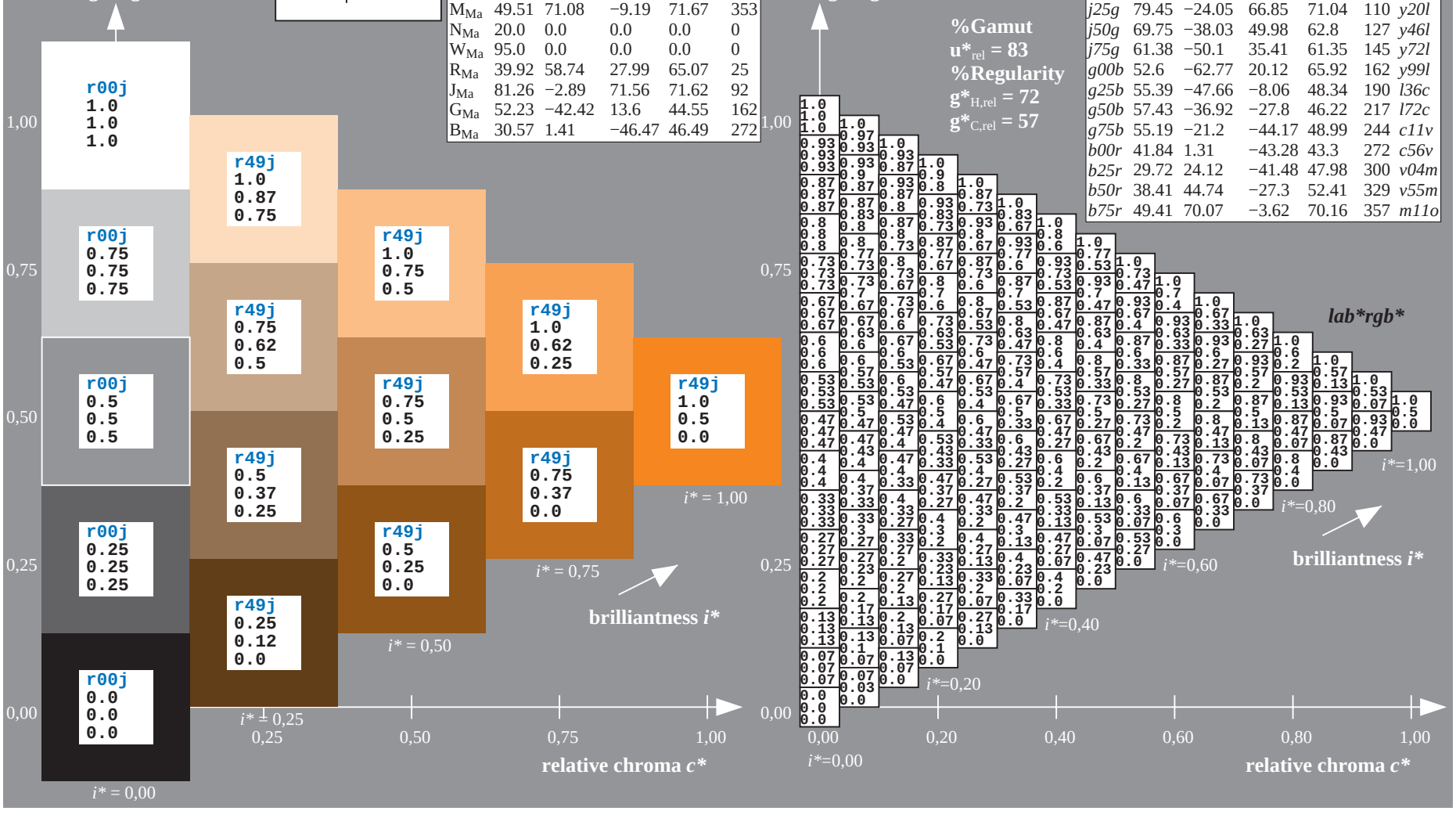
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 65 34 56
$LAB^*LCH^*_{Ma}$: 65 66 58
$lab^*rgb^*_{Ma}$: 1.0 0.5 0.0
$lab^*olv^*_{Ma}$: 1.0 0.42 0.0
triangle lightness *t**

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

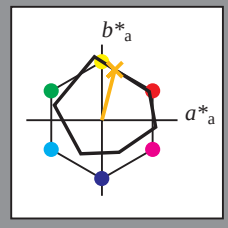
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r75j* u^*_d = *o67y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

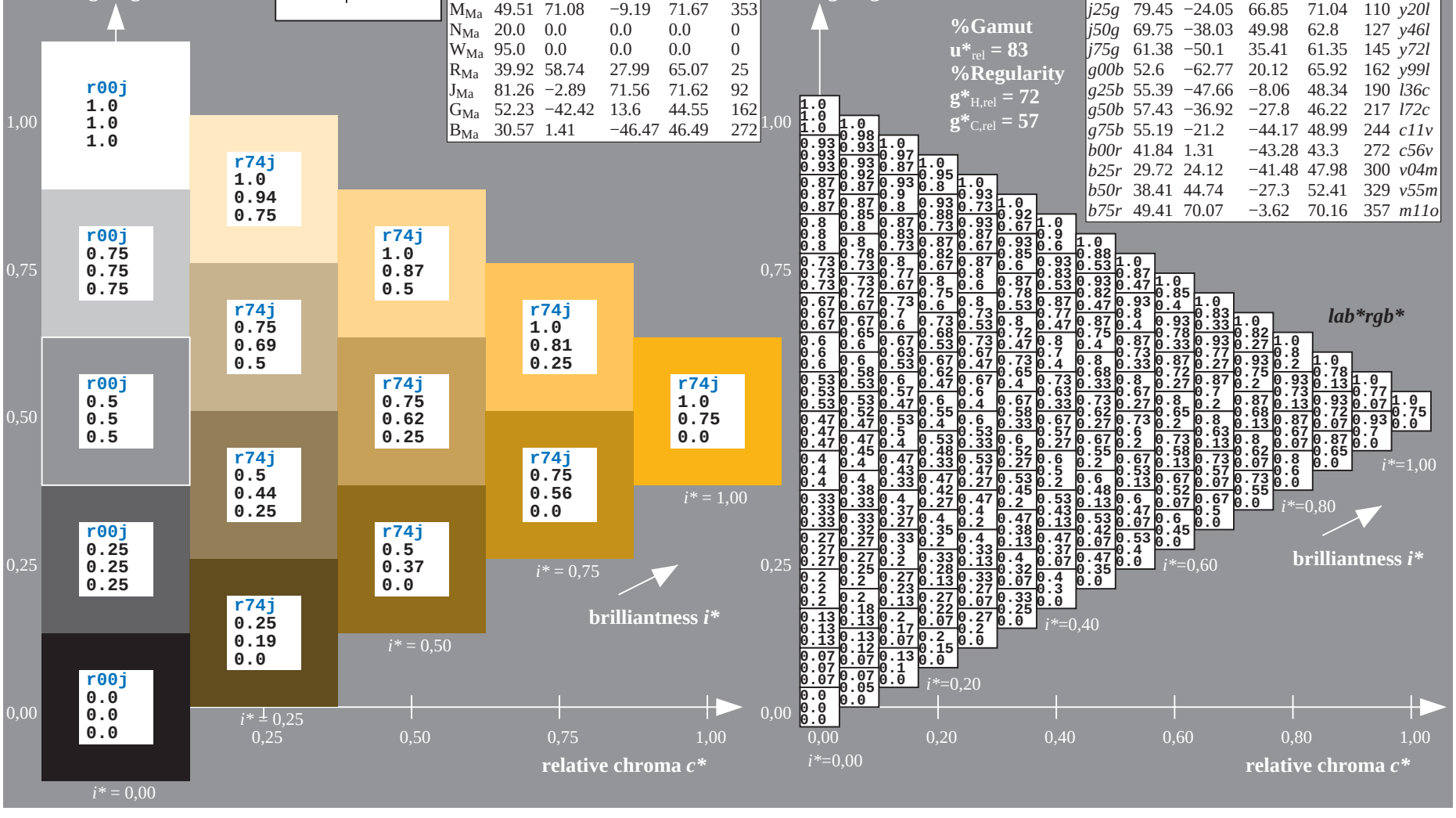
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 74 17 67
*LAB*LCH**$_{Ma}$: 74 69 75
*lab*rgb**$_{Ma}$: 1.0 0.75 0.0
*lab*olv**$_{Ma}$: 1.0 0.68 0.0
triangle lightness *t**

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

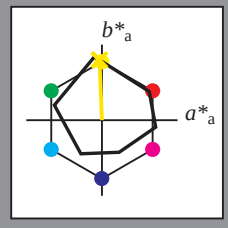
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j00g* u^*_d = *o92y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

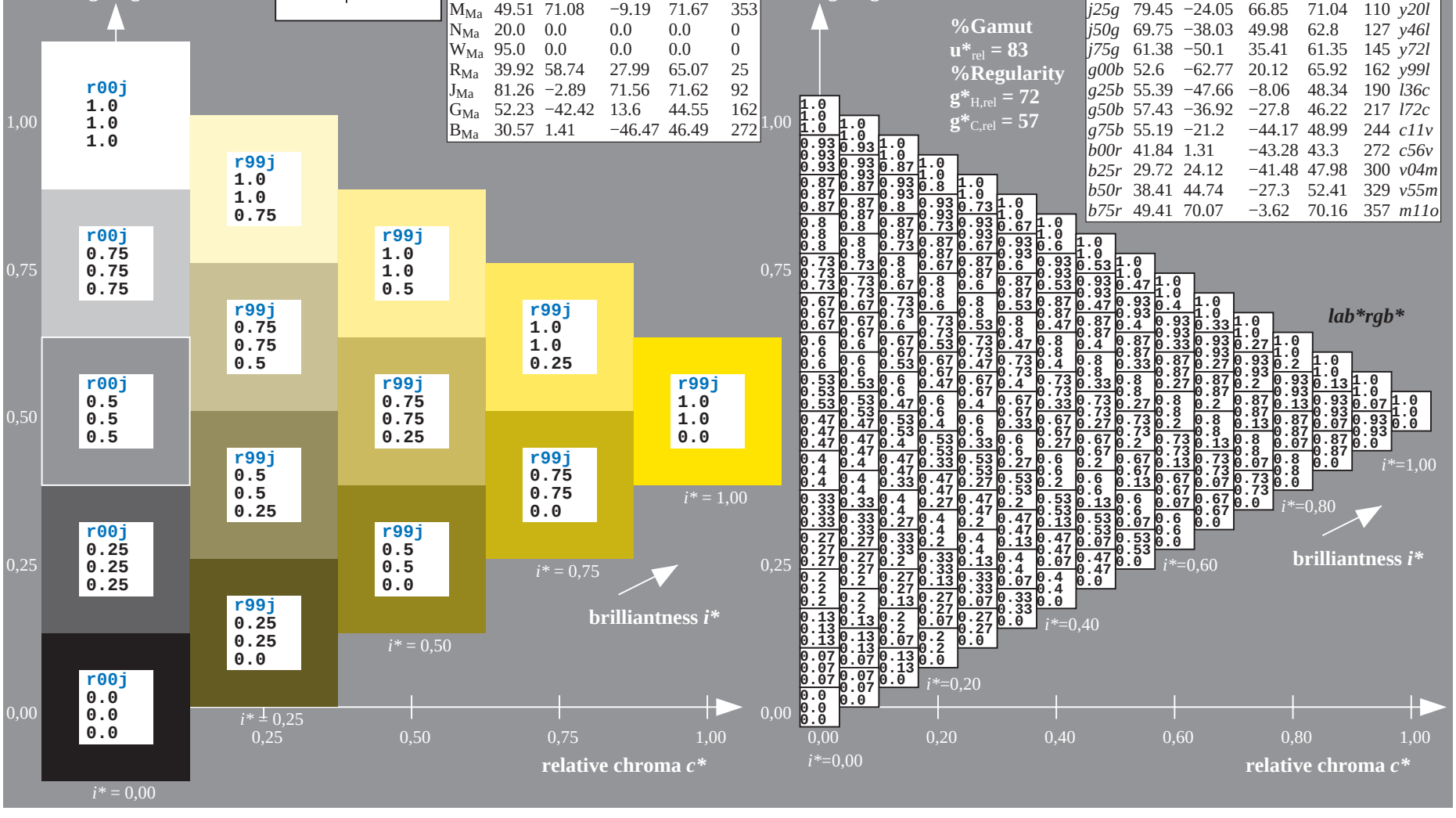
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 86 −3 80
*LAB*LCH**$_{Ma}$: 86 80 92
*lab*rgb**$_{Ma}$: 1.0 1.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.93 0.0
triangle lightness *t**

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

u^*_e = *j00g*
*lab*rgb**

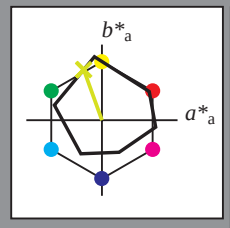
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j25g* u^*_d = *y20l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

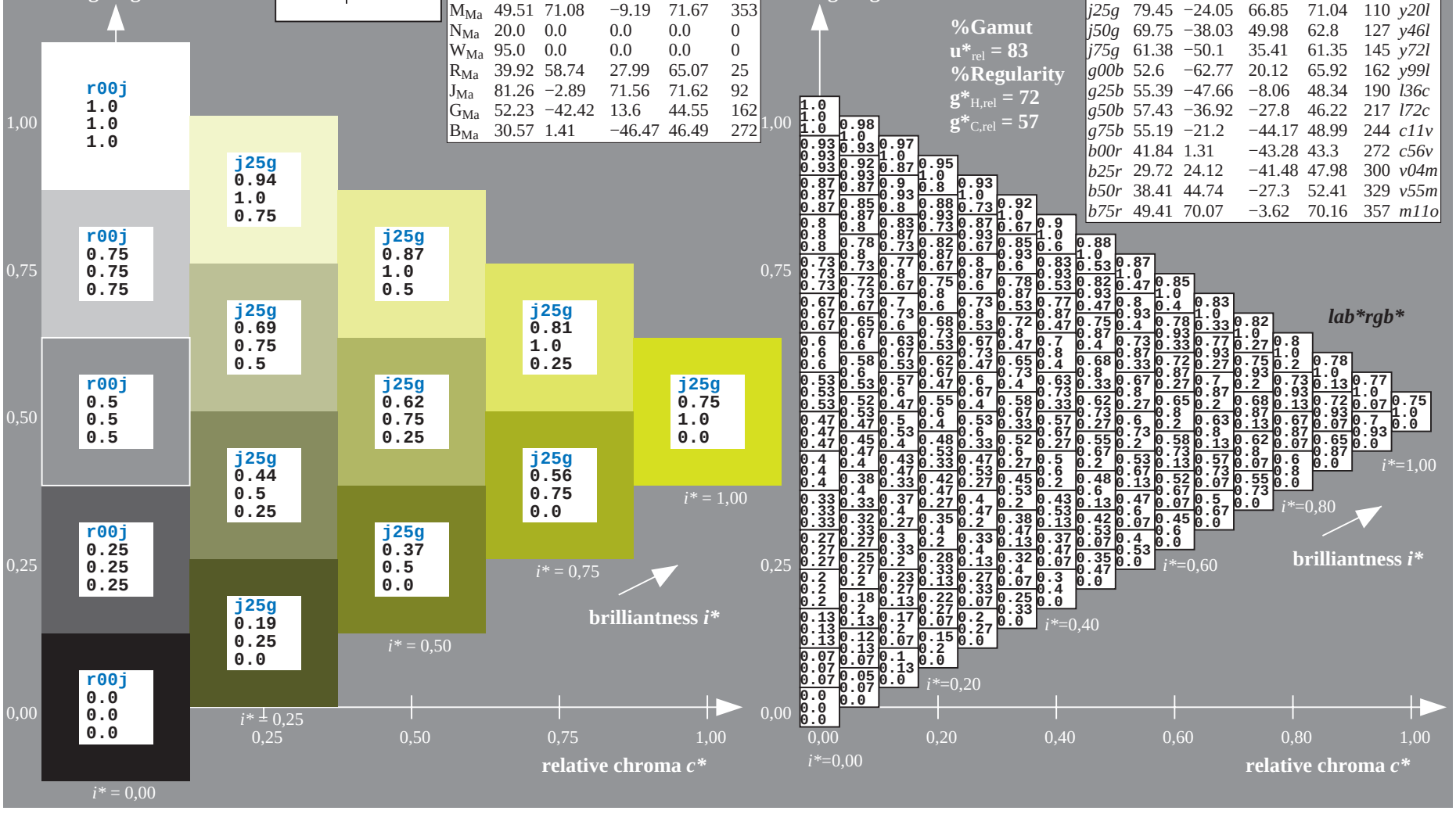
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 79 −24 67
*LAB*LCH**$_{Ma}$: 79 71 109
*lab*rgb**$_{Ma}$: 0.75 1.0 0.0
*lab*olv**$_{Ma}$: 0.8 1.0 0.0
triangle lightness *t**

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

u^*_e = *j25g*
*lab*rgb**

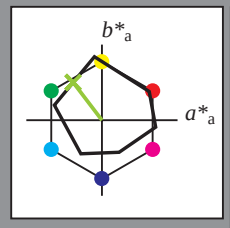
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j50g* u^*_d = *y46l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

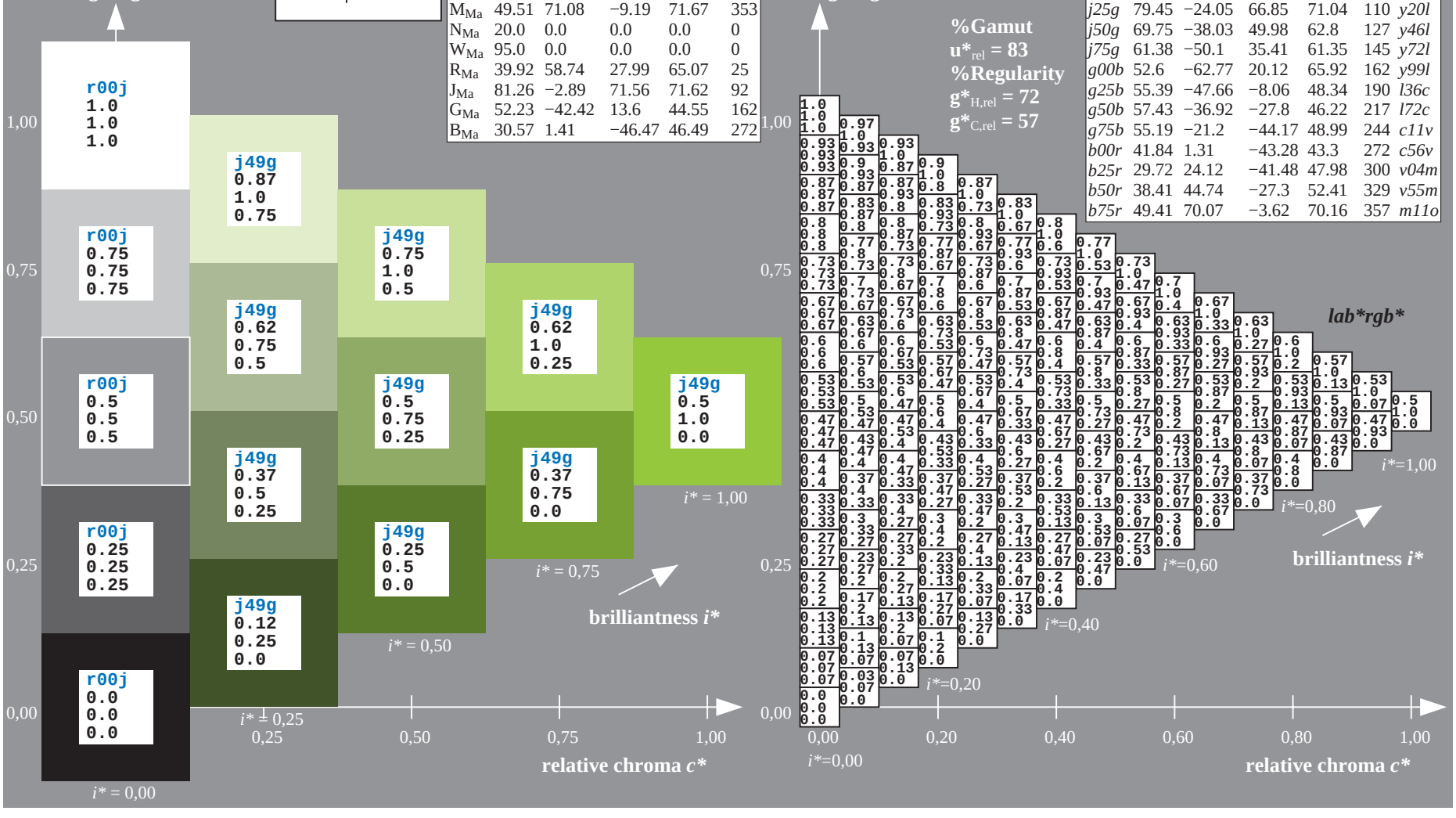
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 70 −38 50
*LAB*LCH**$_{Ma}$: 70 63 127
*lab*rgb**$_{Ma}$: 0.5 1.0 0.0
*lab*olv**$_{Ma}$: 0.54 1.0 0.0
triangle lightness *t**

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

u^*_e = *j50g*
*lab*rgb**

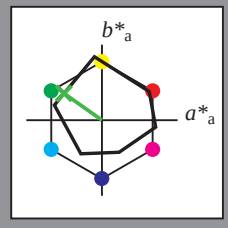
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j75g* u^*_d = *y72l*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

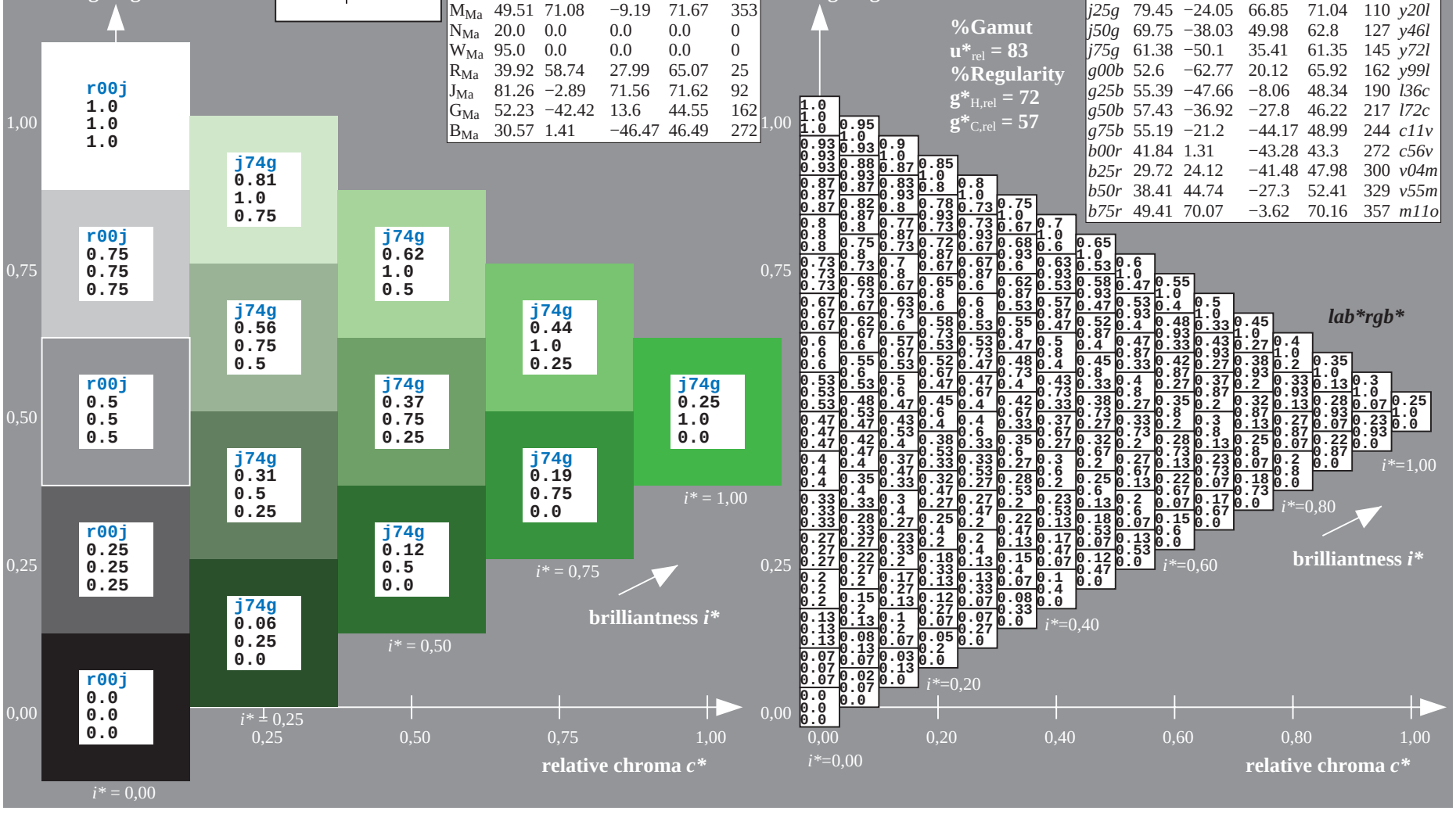
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 61 −50 35
*LAB*LCH**$_{Ma}$: 61 61 144
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.27 1.0 0.0
triangle lightness *t**

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

u^*_e = *j75g*
*lab*rgb**

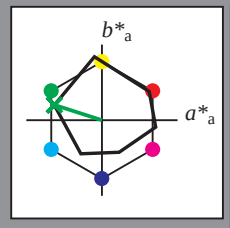
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *g00b* u^*_d = *y99l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

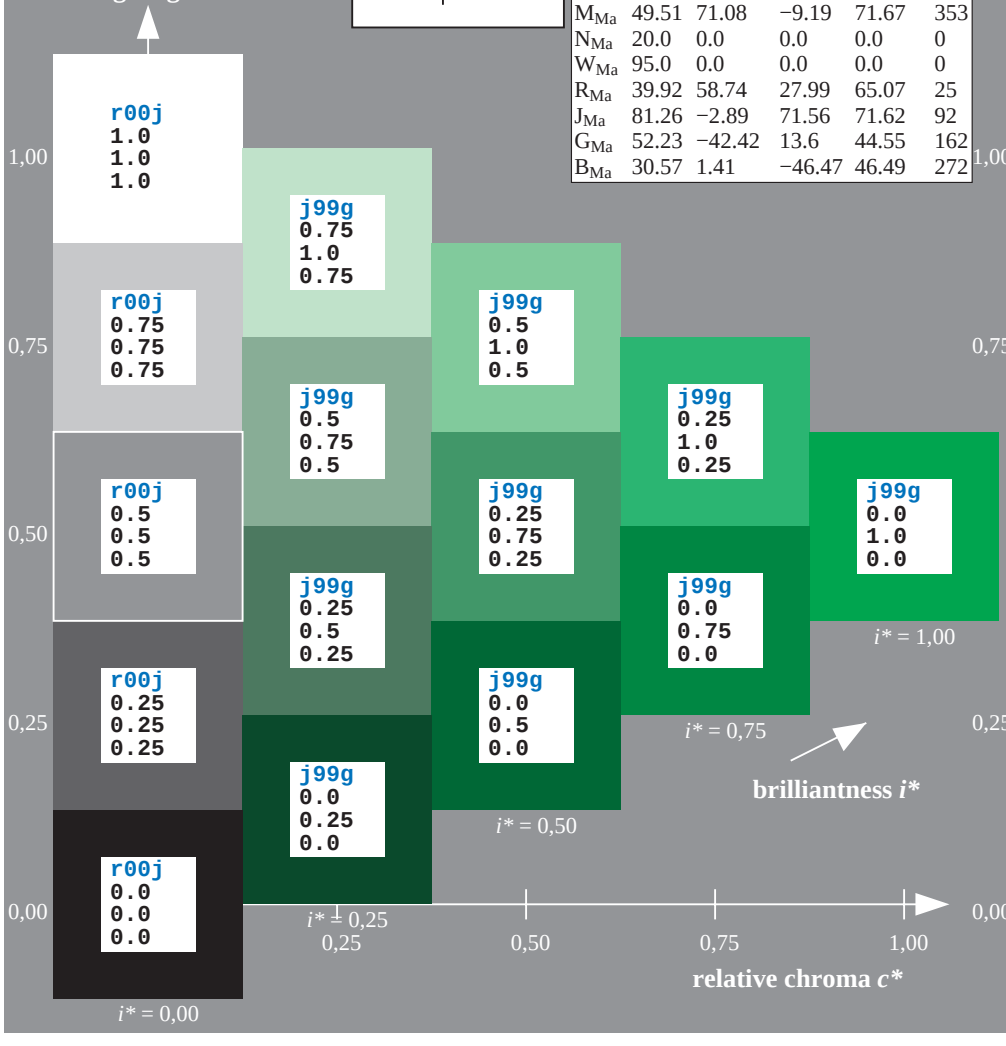
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 53 −63 20
*LAB*LCH**$_{Ma}$: 53 66 162
*lab*rgb**$_{Ma}$: 0.0 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.0
triangle lightness *t**

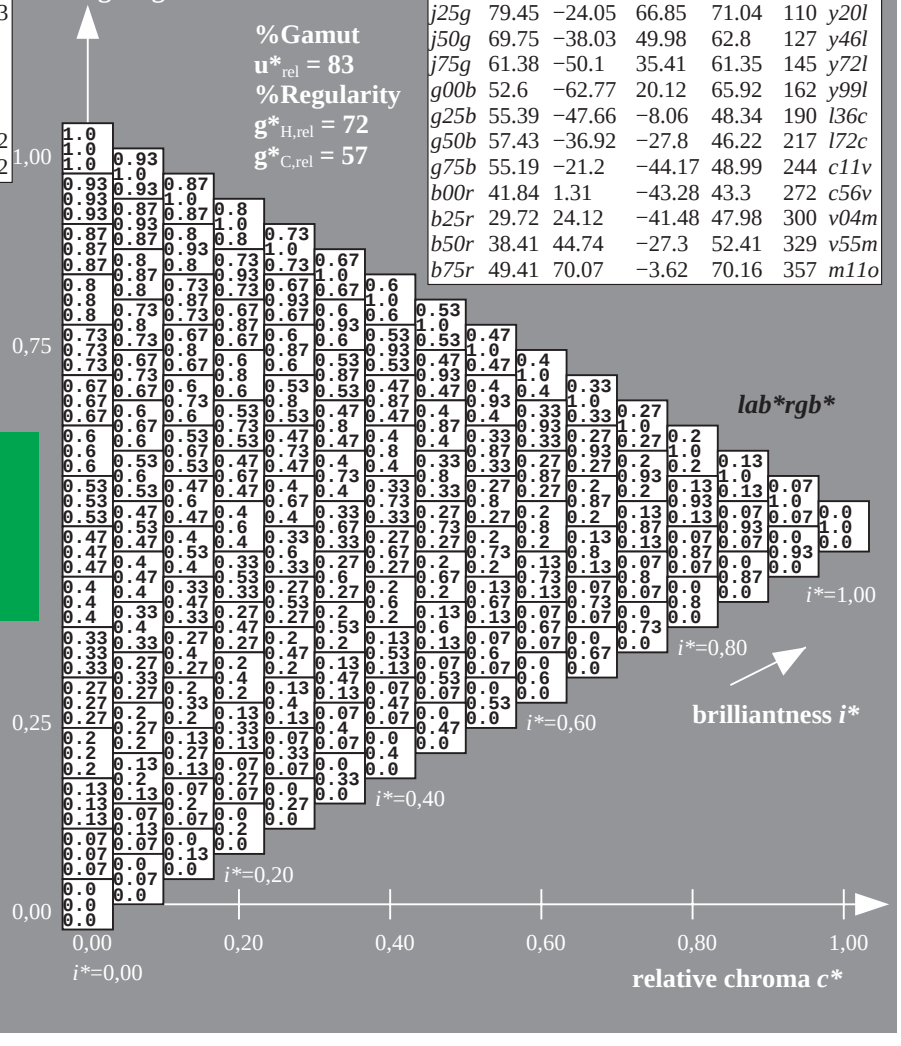
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u^*_e = *g00b*
*lab*rgb**

ORS20_95a; adapted (a) CIELAB data

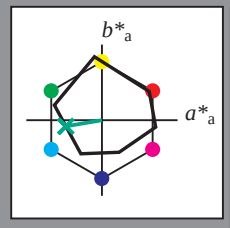
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g25b$ $u^*_d = l36c$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

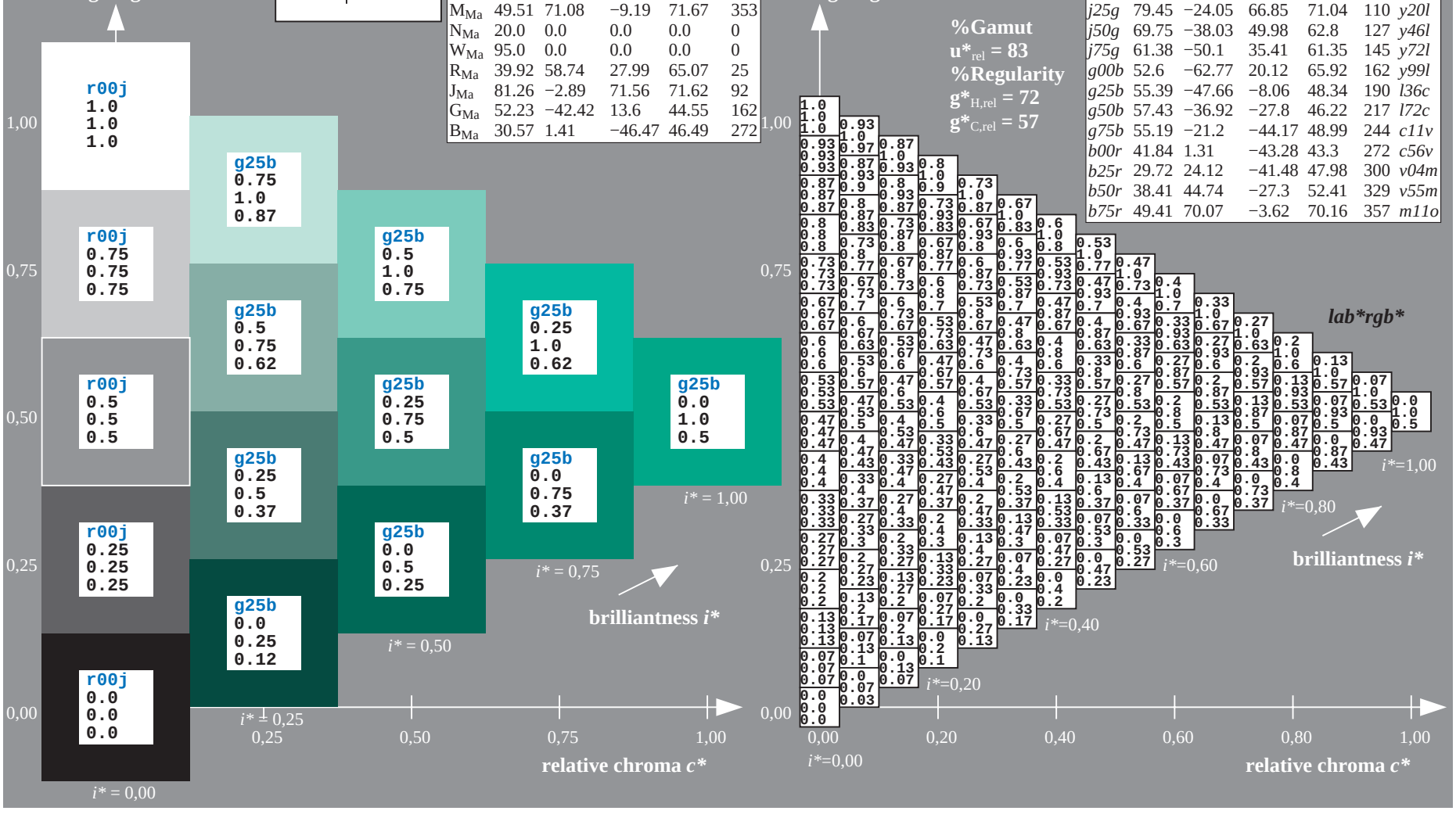
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 −48 −8
$LAB^*LCH^*_{Ma}$: 55 48 189
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*olv^*_{Ma}$: 0.0 1.0 0.36
triangle lightness *t**

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

$u^*_e = g25b$
lab^*rgb^*

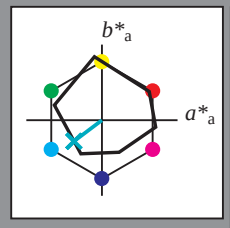
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g50b$ $u^*_d = l72c$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

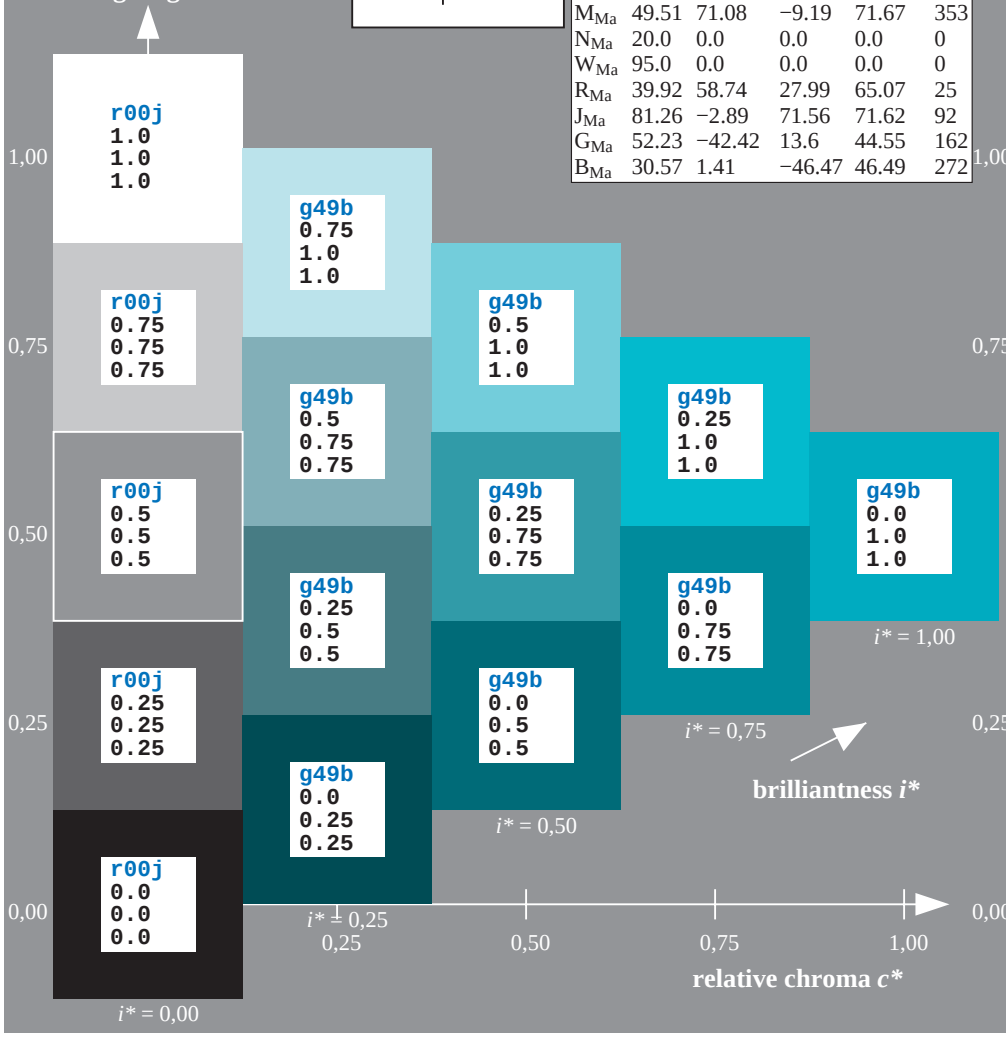
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

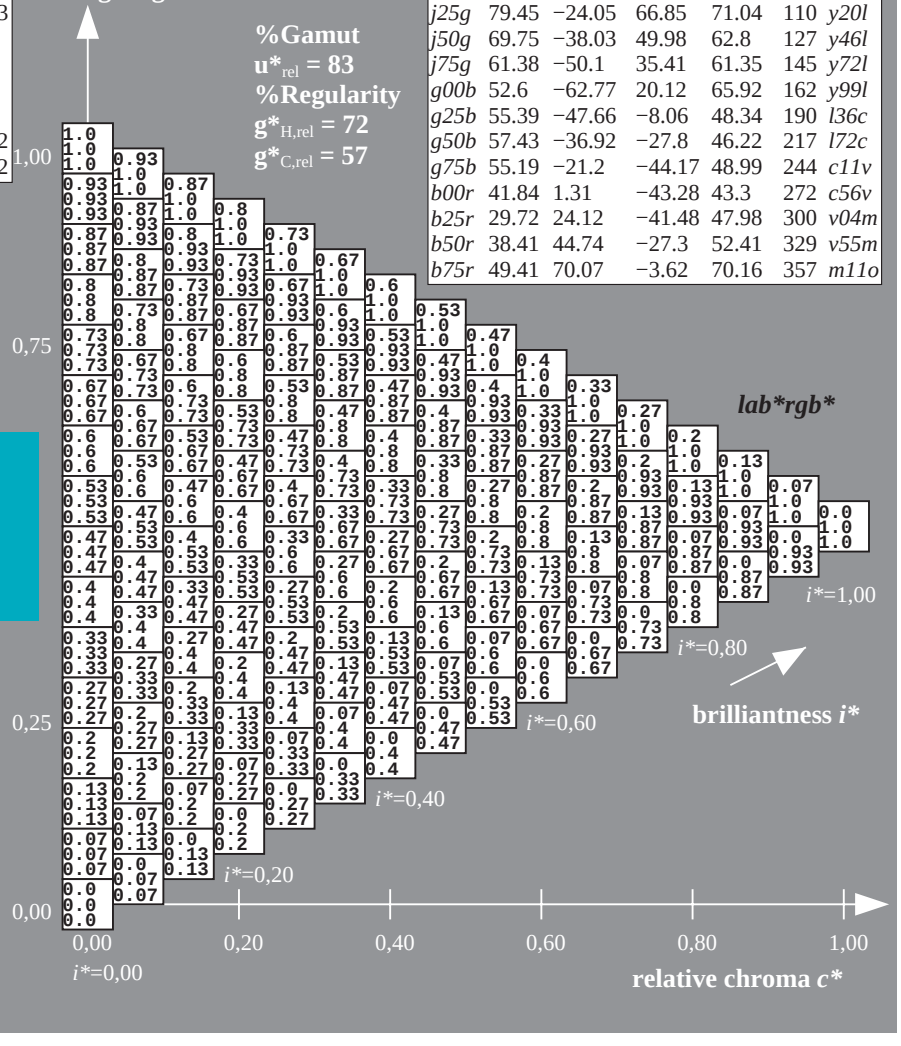
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 57 −37 −28
$LAB^*LCH^*_{Ma}$: 57 46 216
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.72
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

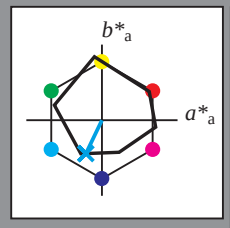
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g75b$ $u^*_d = c11v$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

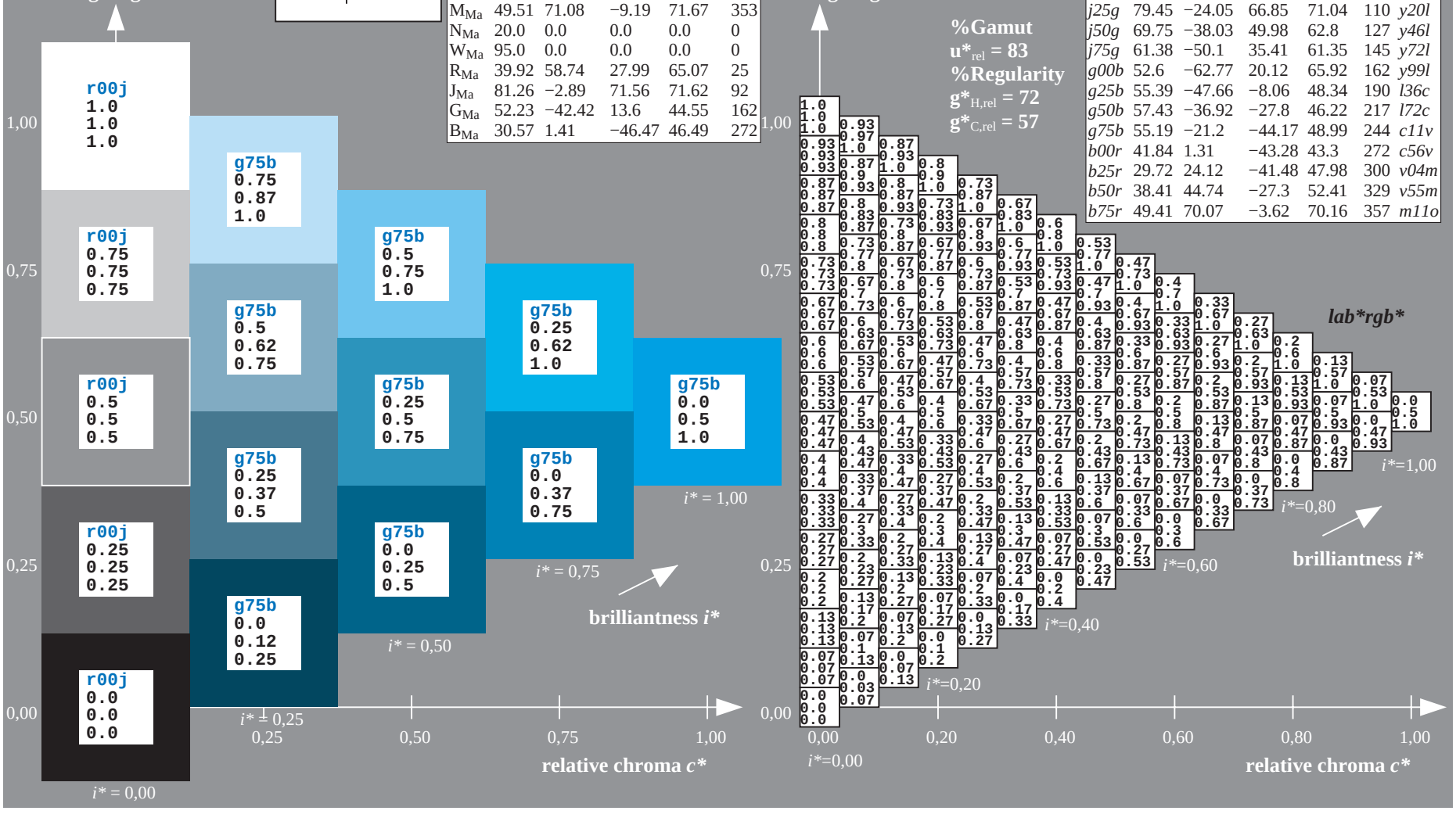
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −21 −44
*LAB*LCH**$_{Ma}$: 55 49 244
*lab*rgb**$_{Ma}$: 0.0 0.5 1.0
*lab*olv**$_{Ma}$: 0.0 0.89 1.0
triangle lightness *t**

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

$u^*_e = g75b$
*lab*rgb**

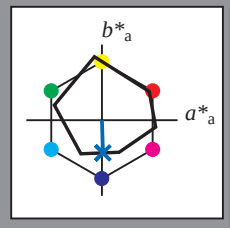
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b00r* u^*_d = *c56v*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

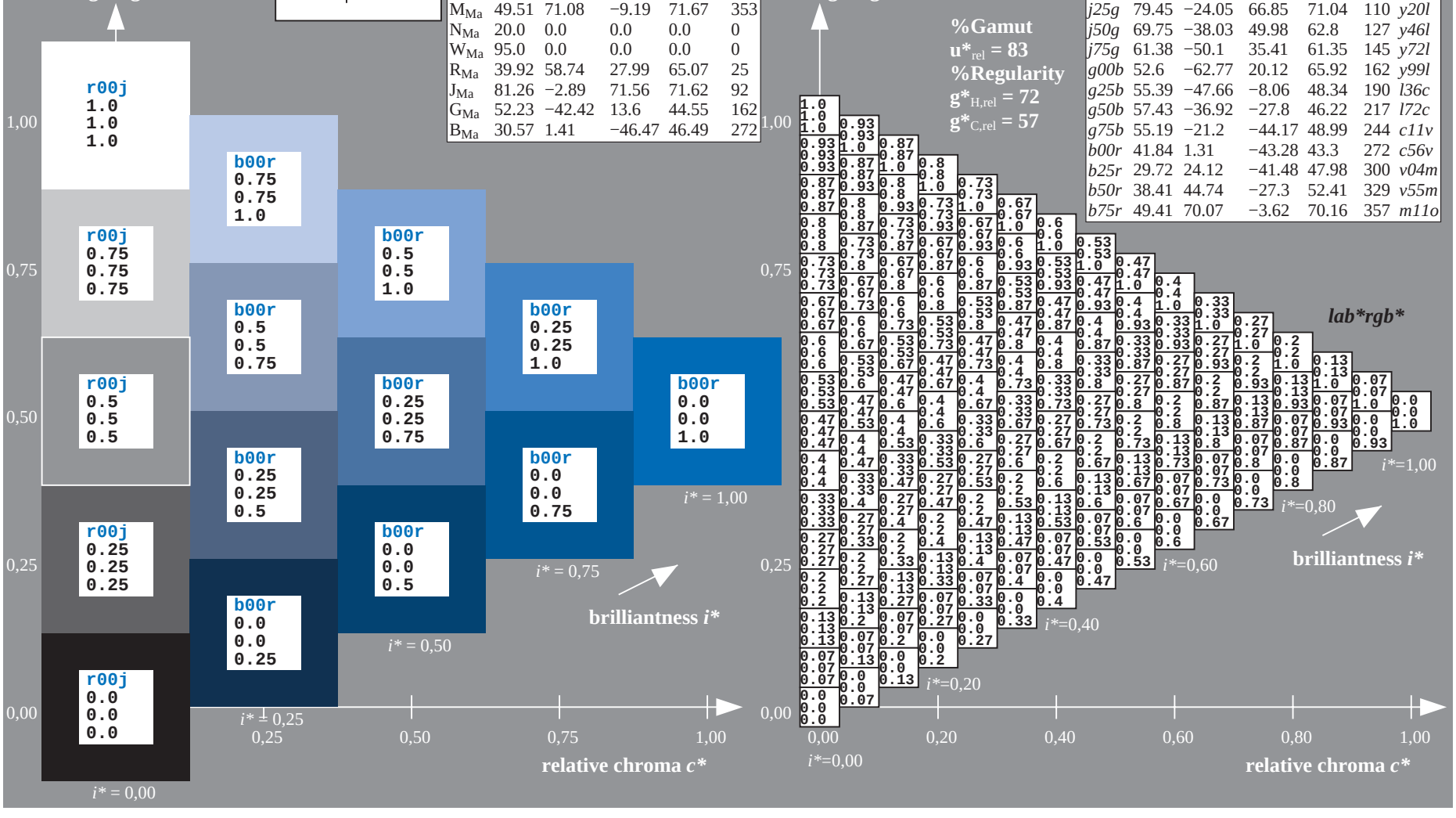
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 1 −43
*LAB*LCH**$_{Ma}$: 42 43 271
*lab*rgb**$_{Ma}$: 0.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.0 0.44 1.0
triangle lightness *t**

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

u^*_e = *b00r*
*lab*rgb**

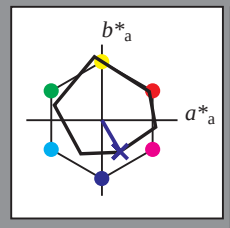
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b25r* u^*_d = *v04m*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

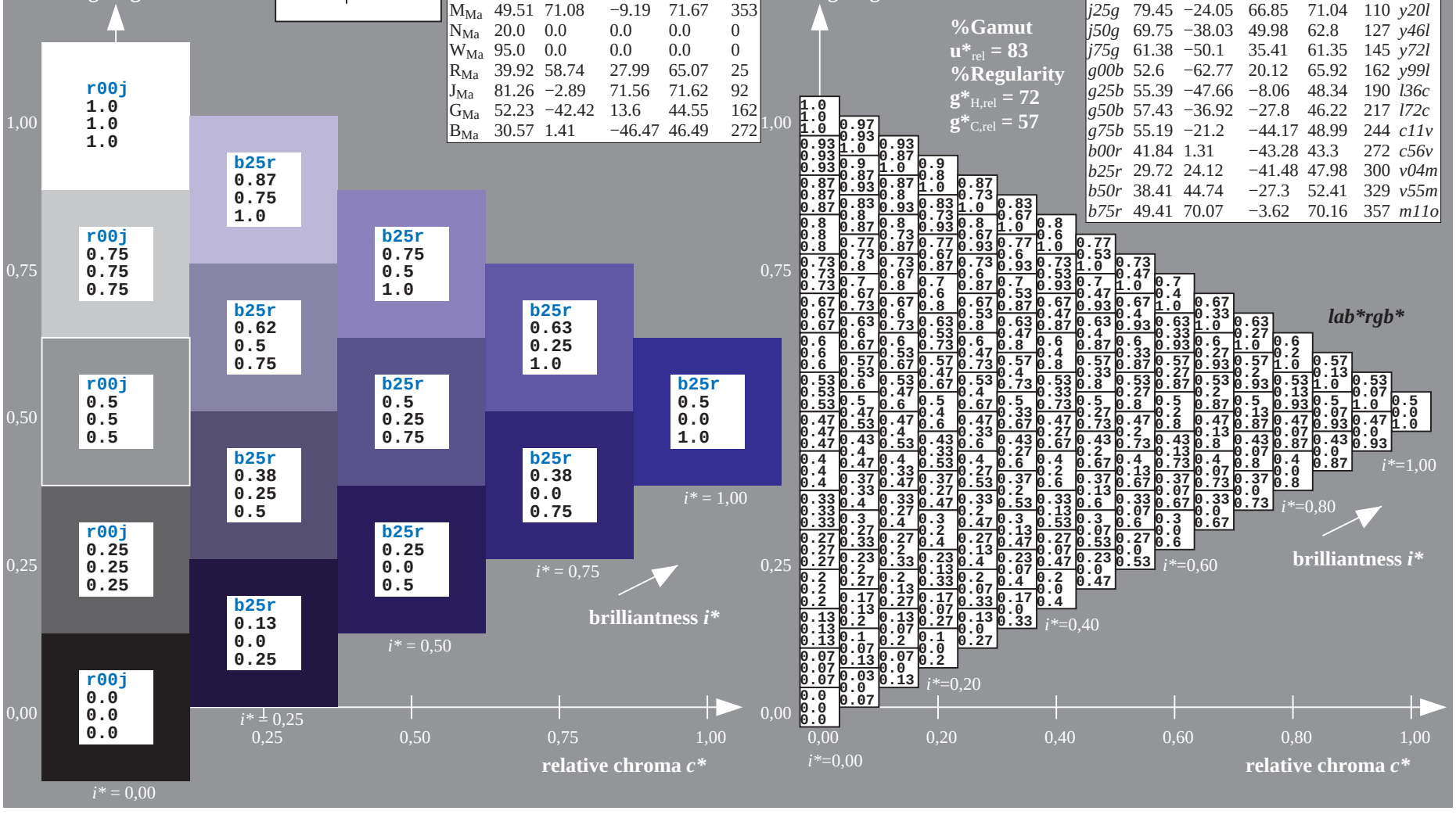
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 30 24 −41
*LAB*LCH**$_{Ma}$: 30 48 300
*lab*rgb**$_{Ma}$: 0.5 0.0 1.0
*lab*olv**$_{Ma}$: 0.04 0.0 1.0
triangle lightness *t**

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

u^*_e = *b25r*
*lab*rgb**

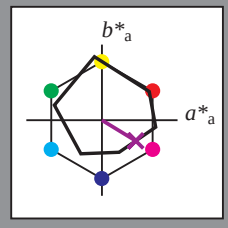
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b50r* u^*_d = *v55m*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

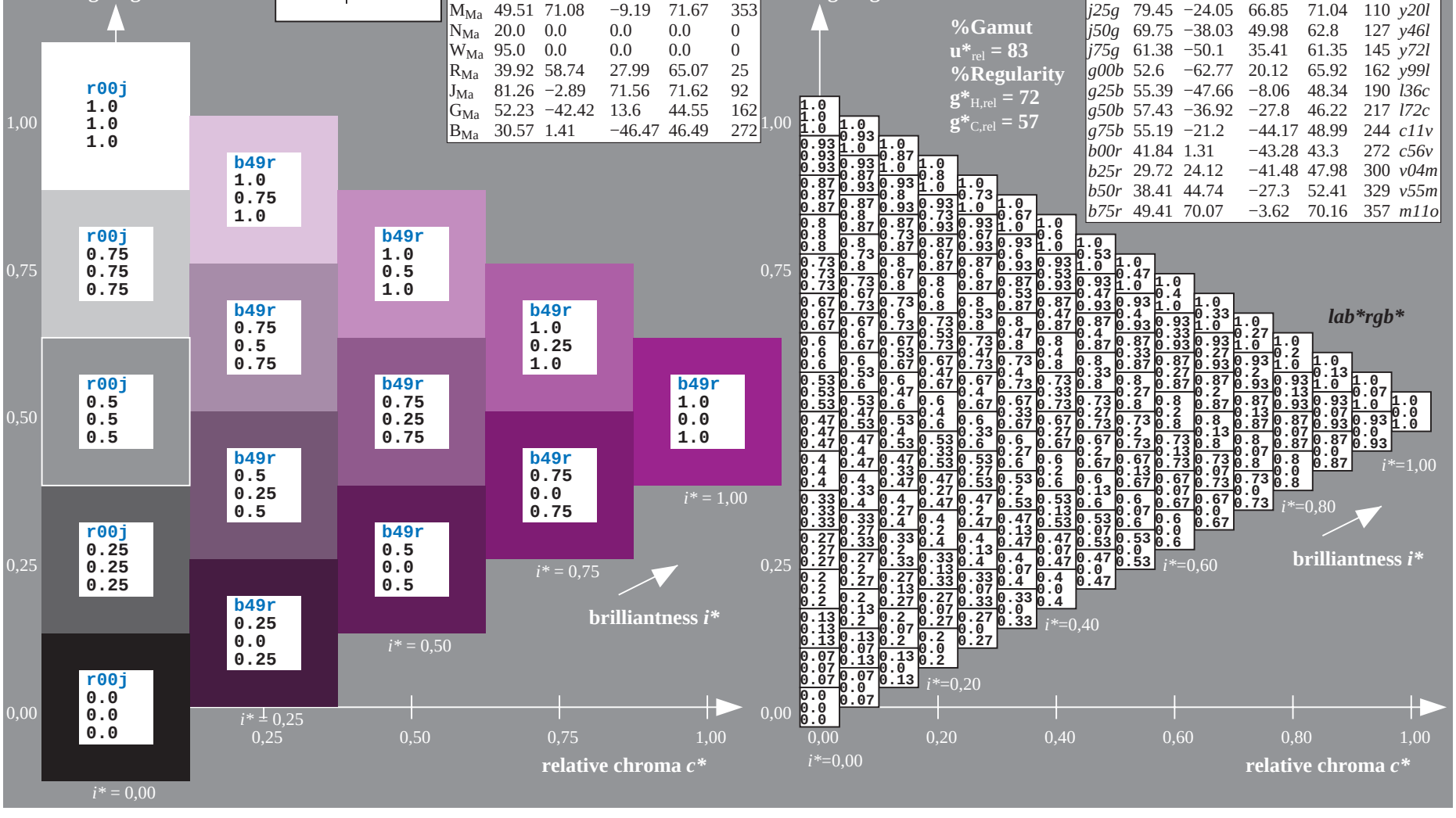
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 38 45 −27
*LAB*LCH**$_{Ma}$: 38 52 328
*lab*rgb**$_{Ma}$: 1.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.56 0.0 1.0
triangle lightness *t**

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

u^*_e = *b50r*
*lab*rgb**

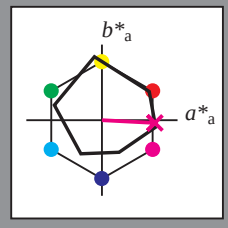
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b75r* u^*_d = *m11o*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

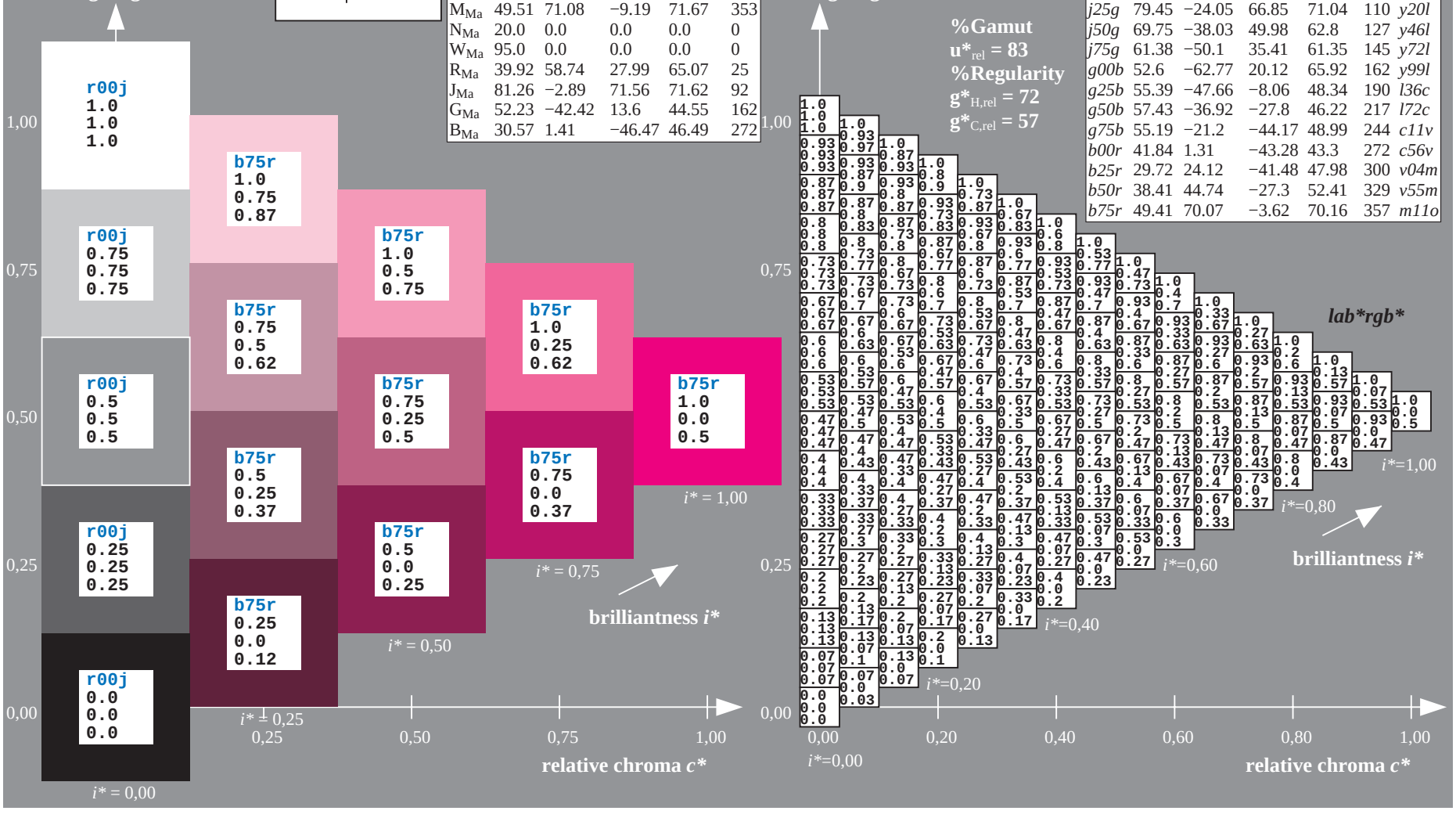
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 49 70 −4
*LAB*LCH**$_{Ma}$: 49 70 357
*lab*rgb**$_{Ma}$: 1.0 0.0 0.5
*lab*olv**$_{Ma}$: 1.0 0.0 0.89
triangle lightness *t**

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

u^*_e = *b75r*
*lab*rgb**

ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
01	0.0 0.0 0.0	0.0 0.13 0.0	0.0 0.25 0.0	0.0 0.38 0.0	0.0 0.5 0.0	0.0 0.63 0.0	0.0 0.75 0.0	0.0 0.88 0.0	0.0 1.0 0.0	0.13 0.01 0.0	0.12 0.13 0.0	0.12 0.25 0.0	0.12 0.38 0.0	0.12 0.5 0.0	0.12 0.63 0.0	0.12 0.75 0.0	0.12 0.88 0.0	0.11 1.0 0.0	0.25 0.02 0.0
02	0.06 0.0 0.13	0.0 0.08 0.13	0.0 0.25 0.17	0.0 0.38 0.17	0.0 0.5 0.17	0.0 0.63 0.17	0.0 0.75 0.17	0.0 0.88 0.18	0.0 1.0 0.18	0.13 0.0 0.07	0.13 0.13 0.13	0.13 0.25 0.13	0.13 0.38 0.13	0.13 0.5 0.13	0.13 0.63 0.13	0.13 0.75 0.13	0.13 0.88 0.13	0.13 1.0 0.13	0.25 0.0 0.06
03	0.12 0.0 0.25	0.0 0.02 0.25	0.0 0.15 0.25	0.0 0.38 0.35	0.0 0.5 0.35	0.0 0.63 0.35	0.0 0.75 0.35	0.0 0.88 0.35	0.0 1.0 0.35	0.24 0.0 0.25	0.18 0.13 0.25	0.13 0.2 0.25	0.13 0.38 0.3	0.13 0.5 0.3	0.13 0.63 0.3	0.13 0.75 0.3	0.13 0.88 0.3	0.13 1.0 0.3	0.25 0.0 0.14
04	0.17 0.0 0.38	0.04 0.0 0.38	0.0 0.09 0.38	0.0 0.23 0.38	0.0 0.48 0.5	0.0 0.63 0.52	0.0 0.75 0.52	0.0 0.88 0.52	0.0 1.0 0.52	0.29 0.0 0.38	0.24 0.13 0.38	0.13 0.14 0.38	0.13 0.28 0.38	0.13 0.5 0.47	0.13 0.63 0.47	0.13 0.75 0.47	0.13 0.88 0.47	0.13 1.0 0.47	0.38 0.0 0.34
05	0.23 0.0 0.5	0.1 0.0 0.5	0.0 0.03 0.5	0.0 0.17 0.5	0.0 0.31 0.5	0.0 0.56 0.63	0.0 0.75 0.69	0.0 0.88 0.69	0.0 1.0 0.69	0.35 0.0 0.5	0.3 0.13 0.5	0.17 0.13 0.5	0.13 0.22 0.5	0.13 0.36 0.5	0.13 0.61 0.63	0.13 0.75 0.64	0.13 0.88 0.64	0.13 1.0 0.64	0.47 0.0 0.5
06	0.29 0.0 0.63	0.16 0.0 0.63	0.03 0.0 0.63	0.0 0.11 0.63	0.0 0.25 0.63	0.0 0.39 0.63	0.0 0.64 0.75	0.0 0.88 0.86	0.0 1.0 0.87	0.41 0.0 0.63	0.36 0.13 0.63	0.22 0.13 0.63	0.13 0.16 0.63	0.13 0.3 0.63	0.13 0.43 0.63	0.13 0.68 0.75	0.13 0.88 0.82	0.13 1.0 0.82	0.53 0.0 0.63
07	0.35 0.0 0.75	0.22 0.0 0.75	0.08 0.0 0.75	0.0 0.05 0.75	0.0 0.19 0.75	0.0 0.33 0.75	0.0 0.46 0.75	0.0 0.71 0.88	0.0 0.96 1.0	0.47 0.0 0.75	0.42 0.13 0.75	0.28 0.13 0.75	0.15 0.13 0.75	0.13 0.24 0.75	0.13 0.37 0.75	0.13 0.51 0.75	0.13 0.76 0.88	0.13 1.0 0.99	0.59 0.0 0.75
08	0.41 0.0 0.88	0.27 0.0 0.88	0.14 0.0 0.88	0.01 0.0 0.88	0.0 0.13 0.88	0.0 0.27 0.88	0.0 0.4 0.88	0.0 0.54 0.88	0.0 0.79 1.0	0.53 0.0 0.88	0.47 0.13 0.88	0.34 0.13 0.88	0.21 0.13 0.88	0.13 0.18 0.88	0.13 0.31 0.88	0.13 0.45 0.88	0.13 0.59 0.88	0.13 0.84 1.0	0.65 0.0 0.88
09	0.46 0.0 1.0	0.33 0.0 1.0	0.2 0.0 1.0	0.07 0.0 1.0	0.0 0.07 1.0	0.0 0.21 1.0	0.0 0.34 1.0	0.0 0.48 1.0	0.0 0.62 1.0	0.58 0.0 1.0	0.53 0.13 1.0	0.4 0.13 1.0	0.27 0.13 1.0	0.13 0.13 1.0	0.13 0.25 1.0	0.13 0.39 1.0	0.13 0.53 1.0	0.13 0.67 1.0	0.7 0.0 1.0
10	0.38 0.03 0.0	0.38 0.15 0.0	0.38 0.28 0.0	0.35 0.38 0.0	0.35 0.5 0.0	0.35 0.63 0.0	0.35 0.75 0.0	0.35 0.88 0.0	0.35 1.0 0.0	0.5 0.04 0.0	0.5 0.17 0.0	0.5 0.29 0.0	0.5 0.41 0.0	0.47 0.5 0.0	0.47 0.63 0.0	0.47 0.75 0.0	0.47 0.88 0.0	0.47 1.0 0.0	0.63 0.05 0.0
11	0.38 0.0 0.05	0.38 0.15 0.13	0.38 0.27 0.13	0.36 0.38 0.13	0.36 0.5 0.13	0.36 0.63 0.13	0.36 0.75 0.13	0.36 0.88 0.13	0.36 1.0 0.13	0.5 0.0 0.03	0.5 0.16 0.13	0.5 0.28 0.13	0.5 0.4 0.13	0.48 0.5 0.13	0.48 0.63 0.13	0.48 0.75 0.13	0.48 0.88 0.13	0.47 1.0 0.13	0.63 0.0 0.02
12	0.38 0.0 0.13	0.38 0.13 0.18	0.38 0.26 0.25	0.37 0.38 0.25	0.37 0.5 0.25	0.37 0.63 0.25	0.37 0.75 0.25	0.37 0.88 0.25	0.37 1.0 0.25	0.5 0.0 0.12	0.5 0.13 0.17	0.5 0.27 0.25	0.5 0.39 0.25	0.48 0.5 0.25	0.48 0.63 0.25	0.48 0.75 0.25	0.48 0.88 0.25	0.48 1.0 0.25	0.63 0.0 0.11
13	0.38 0.0 0.22	0.38 0.13 0.27	0.38 0.25 0.32	0.38 0.38 0.38	0.38 0.5 0.38	0.38 0.63 0.38	0.38 0.75 0.38	0.38 0.88 0.38	0.38 1.0 0.38	0.5 0.0 0.2	0.5 0.13 0.26	0.5 0.25 0.31	0.5 0.39 0.38	0.49 0.5 0.38	0.49 0.63 0.38	0.49 0.75 0.38	0.49 0.88 0.38	0.49 1.0 0.38	0.63 0.0 0.19
14	0.5 0.0 0.41	0.5 0.13 0.46	0.49 0.25 0.5	0.43 0.38 0.5	0.38 0.45 0.5	0.38 0.63 0.55	0.38 0.75 0.55	0.38 0.88 0.55	0.38 1.0 0.55	0.5 0.0 0.29	0.5 0.13 0.34	0.5 0.25 0.39	0.5 0.38 0.45	0.5 0.5 0.5	0.5 0.63 0.5	0.5 0.75 0.5	0.5 0.88 0.5	0.5 1.0 0.5	0.63 0.0 0.28
15	0.63 0.0 0.6	0.6 0.13 0.63	0.54 0.25 0.63	0.49 0.38 0.63	0.38 0.39 0.63	0.38 0.53 0.63	0.38 0.75 0.72	0.38 0.88 0.72	0.38 1.0 0.72	0.63 0.0 0.48	0.63 0.13 0.53	0.63 0.25 0.59	0.61 0.38 0.63	0.56 0.5 0.63	0.5 0.58 0.63	0.5 0.75 0.67	0.5 0.88 0.67	0.5 1.0 0.67	0.63 0.0 0.36
16	0.71 0.0 0.75	0.65 0.13 0.75	0.6 0.25 0.75	0.55 0.38 0.75	0.42 0.38 0.75	0.38 0.47 0.75	0.38 0.61 0.75	0.38 0.86 0.88	0.38 1.0 0.89	0.75 0.0 0.67	0.75 0.13 0.73	0.72 0.25 0.75	0.67 0.38 0.75	0.62 0.5 0.75	0.5 0.52 0.75	0.5 0.65 0.75	0.5 0.88 0.85	0.5 1.0 0.85	0.75 0.0 0.55
17	0.77 0.0 0.88	0.71 0.13 0.88	0.66 0.25 0.88	0.61 0.38 0.88	0.47 0.38 0.88	0.38 0.41 0.88	0.38 0.55 0.88	0.38 0.68 0.88	0.38 0.93 1.0	0.88 0.0 0.86	0.83 0.13 0.88	0.78 0.25 0.88	0.73 0.38 0.88	0.67 0.5 0.88	0.54 0.5 0.88	0.5 0.59 0.88	0.5 0.73 0.88	0.5 0.98 1.0	0.88 0.0 0.74
18	0.82 0.0 1.0	0.77 0.13 1.0	0.72 0.25 1.0	0.67 0.38 1.0	0.53 0.38 1.0	0.4 0.38 1.0	0.38 0.49 1.0	0.38 0.62 1.0	0.38 0.76 1.0	0.94 0.0 1.0	0.89 0.13 1.0	0.84 0.25 1.0	0.79 0.38 1.0	0.73 0.5 1.0	0.6 0.5 1.0	0.5 0.53 1.0	0.5 0.67 1.0	0.5 0.81 1.0	1.0 0.0 0.94
19	0.75 0.06 0.0	0.75 0.19 0.0	0.75 0.31 0.0	0.75 0.43 0.0	0.75 0.55 0.0	0.75 0.68 0.0	0.7 0.75 0.0	0.7 0.88 0.0	0.7 1.0 0.0	0.88 0.08 0.0	0.88 0.2 0.0	0.88 0.32 0.0	0.88 0.44 0.0	0.88 0.57 0.0	0.88 0.69 0.0	0.88 0.81 0.0	0.82 0.88 0.0	0.82 1.0 0.0	1.0 0.09 0.0
20	0.75 0.0 0.01	0.75 0.18 0.13	0.75 0.3 0.13	0.75 0.42 0.13	0.75 0.55 0.13	0.75 0.67 0.13	0.71 0.75 0.13	0.71 0.88 0.13	0.71 1.0 0.13	0.88 0.0 0.0	0.88 0.19 0.13	0.88 0.31 0.13	0.88 0.43 0.13	0.88 0.56 0.13	0.88 0.68 0.13	0.88 0.8 0.13	0.83 0.88 0.13	0.83 1.0 0.13	1.0 0.01 0.0
21	0.75 0.0 0.09	0.75 0.13 0.15	0.75 0.29 0.25	0.75 0.42 0.25	0.75 0.54 0.25	0.75 0.66 0.25	0.72 0.75 0.25	0.72 0.88 0.25	0.72 1.0 0.25	0.88 0.0 0.08	0.88 0.13 0.13	0.88 0.3 0.25	0.88 0.43 0.25	0.88 0.55 0.25	0.88 0.67 0.25	0.88 0.79 0.25	0.84 0.88 0.25	0.84 1.0 0.25	1.0 0.0 0.07
22	0.75 0.0 0.18	0.75 0.13 0.23	0.75 0.25 0.28	0.75 0.41 0.38	0.75 0.53 0.38	0.75 0.65 0.38	0.73 0.75 0.38	0.73 0.88 0.38	0.73 1.0 0.38	0.88 0.0 0.17	0.88 0.13 0.22	0.88 0.25 0.27	0.88 0.42 0.38	0.88 0.54 0.38	0.88 0.66 0.38	0.88 0.79 0.38	0.84 0.88 0.38	0.84 1.0 0.38	1.0 0.0 0.15
23	0.75 0.0 0.26	0.75 0.13 0.32	0.75 0.25 0.37	0.75 0.38 0.42	0.75 0.52 0.5	0.75 0.64 0.5	0.73 0.75 0.5	0.73 0.88 0.5	0.73 1.0 0.5	0.88 0.0 0.25	0.88 0.13 0.3	0.88 0.25 0.36	0.88 0.38 0.41	0.88 0.53 0.5	0.88 0.65 0.5	0.88 0.78 0.5	0.85 0.88 0.5	0.85 1.0 0.5	1.0 0.0 0.24
24	0.75 0.0 0.35	0.75 0.13 0.4	0.75 0.25 0.45	0.75 0.38 0.51	0.75 0.5 0.56	0.75 0.64 0.63	0.74 0.75 0.63	0.74 0.88 0.63	0.74 1.0 0.63	0.88 0.0 0.34	0.88 0.13 0.39	0.88 0.25 0.44	0.88 0.38 0.49	0.88 0.5 0.55	0.88 0.65 0.63	0.88 0.77 0.63	0.86 0.88 0.63	0.86 1.0 0.63	1.0 0.0 0.32
25	0.75 0.0 0.43	0.75 0.13 0.49	0.75 0.25 0.54	0.75 0.38 0.59	0.75 0.5 0.64	0.75 0.63 0.7	0.75 0.75 0.75	0.75 0.88 0.75	0.75 1.0 0.75	0.88 0.0 0.42	0.88 0.13 0.47	0.88 0.25 0.53	0.88 0.38 0.58	0.88 0.5 0.63	0.88 0.63 0.68	0.88 0.76 0.75	0.87 0.88 0.75	0.87 1.0 0.75	1.0 0.0 0.41
26	0.88 0.0 0.63	0.88 0.13 0.68	0.88 0.25 0.73	0.88 0.38 0.78	0.88 0.5 0.84	0.86 0.63 0.88	0.81 0.75 0.88	0.75 0.83 0.88	0.75 1.0 0.92	0.88 0.0 0.51	0.88 0.13 0.56	0.88 0.25 0.61	0.88 0.38 0.66	0.88 0.5 0.72	0.88 0.63 0.77	0.88 0.75 0.82	0.88 0.88 0.88	0.88 1.0 0.88	1.0 0.0 0.49
27	1.0 0.0 0.82	1.0 0.13 0.87	1.0 0.25 0.92	1.0 0.38 0.98	0.97 0.5 1.0	0.92 0.63 1.0	0.87 0.75 1.0	0.75 0.77 1.0	0.75 0.9 1.0	1.0 0.0 0.7	1.0 0.13 0.75	1.0 0.25 0.8	1.0 0.38 0.86	1.0 0.5 0.91	1.0 0.63 0.96	0.99 0.75 1.0	0.93 0.88 1.0	0.88 0.95 1.0	1.0 0.0 0.58

	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*rgb*		
01	0.25 0.14 0.0	0.23 0.25 0.0	0.23 0.38 0.0	0.23 0.5 0.0	0.23 0.63 0.0	0.23 0.75 0.0	0.23 0.88 0.0	0.23 1.0 0.0	1.0 1.0 1.0	1.0 0.89 0.88	1.0 0.77 0.75	1.0 0.66 0.63	1.0 0.54 0.5	1.0 0.43 0.38	1.0 0.31 0.25	1.0 0.2 0.13	1.0 0.09 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0
02	0.25 0.14 0.13	0.24 0.25 0.13	0.24 0.38 0.13	0.24 0.5 0.13	0.24 0.63 0.13	0.24 0.75 0.13	0.24 0.88 0.13	0.24 1.0 0.13	0.88 0.95 1.0	0.88 0.88 0.88	0.88 0.76 0.75	0.88 0.65 0.63	0.88 0.53 0.5	0.88 0.42 0.38	0.88 0.3 0.25	0.88 0.19 0.13	0.88 0.08 0.0	0.13 0.13 0.13	0.13 0.13 0.13	0.13 0.13 0.13	0.13 0.13 0.13
03	0.25 0.13 0.2	0.25 0.25 0.25	0.25 0.38 0.25	0.25 0.5 0.25	0.25 0.63 0.25	0.25 0.75 0.25	0.25 0.88 0.25	0.25 1.0 0.25	0.75 0.9 1.0	0.75 0.83 0.88	0.75 0.75 0.75	0.75 0.64 0.63	0.75 0.52 0.5	0.75 0.41 0.38	0.75 0.29 0.25	0.75 0.18 0.13	0.75 0.06 0.0	0.25 0.25 0.25	0.25 0.25 0.25	0.25 0.25 0.25	0.25 0.25 0.25
04	0.36 0.13 0.38	0.31 0.25 0.38	0.25 0.33 0.38	0.25 0.5 0.42	0.25 0.63 0.42	0.25 0.75 0.42	0.25 0.88 0.42	0.25 1.0 0.42	0.63 0.86 1.0	0.63 0.78 0.88	0.63 0.7 0.75	0.63 0.63 0.63	0.63 0.51 0.5	0.63 0.4 0.38	0.63 0.28 0.25	0.63 0.17 0.13	0.63 0.05 0.0	0.38 0.38 0.38	0.38 0.38 0.38	0.38 0.38 0.38	0.38 0.38 0.38
05	0.42 0.13 0.5	0.37 0.25 0.5	0.25 0.27 0.5	0.25 0.4 0.5	0.25 0.63 0.6	0.25 0.75 0.6	0.25 0.88 0.6	0.25 1.0 0.6	0.5 0.81 1.0	0.5 0.73 0.88	0.5 0.65 0.75	0.5 0.58 0.63	0.5 0.5 0.5	0.5 0.39 0.38	0.5 0.27 0.25	0.5 0.16 0.13	0.5 0.04 0.0	0.5 0.5 0.5	0.5 0.5 0.5	0.5 0.5 0.5	0.5 0.5 0.5
06	0.48 0.13 0.63	0.42 0.25 0.63	0.29 0.25 0.63	0.25 0.34 0.63	0.25 0.48 0.63	0.25 0.73 0.75	0.25 0.88 0.77	0.25 1.0 0.77	0.38 0.76 1.0	0.38 0.68 0.88	0.38 0.61 0.75	0.38 0.53 0.63	0.38 0.45 0.5	0.38 0.38 0.38	0.38 0.26 0.25	0.38 0.15 0.13	0.38 0.03 0.0	0.63 0.63 0.63	0.63 0.63 0.63	0.63 0.63 0.63	0.63 0.63 0.63
07	0.54 0.13 0.75	0.48 0.25 0.75	0.35 0.25 0.75	0.25 0.28 0.75	0.25 0.42 0.75	0.25 0.56 0.75	0.25 0.81 0.88	0.25 1.0 0.94	0.25 0.71 1.0	0.25 0.64 0.88	0.25 0.56 0.75	0.25 0.48 0.63	0.25 0.4 0.5	0.25 0.33 0.38	0.25 0.25 0.25	0.25 0.14 0.13	0.25 0.02 0.0	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75
08	0.59 0.13 0.88	0.54 0.25 0.88	0.41 0.25 0.88	0.28 0.25 0.88	0.25 0.36 0.88	0.25 0.5 0.88	0.25 0.64 0.88	0.25 0.89 1.0	0.13 0.67 1.0	0.13 0.59 0.88	0.13 0.51 0.75	0.13 0.43 0.63	0.13 0.36 0.5	0.13 0.28 0.38	0.13 0.2 0.25	0.13 0.13 0.13	0.13 0.01 0.0	0.88 0.88 0.88	0.88 0.88 0.88	0.88 0.88 0.88	0.88 0.88 0.88
09	0.65 0.13 1.0	0.6 0.25 1.0	0.47 0.25 1.0	0.33 0.25 1.0	0.25 0.3 1.0	0.25 0.44 1.0	0.25 0.58 1.0	0.25 0.71 1.0	0.0 0.62 1.0	0.0 0.54 0.88	0.0 0.46 0.75	0.0 0.39 0.63	0.0 0.31 0.5	0.0 0.23 0.38	0.0 0.15 0.25	0.0 0.08 0.13	0.0 0.0 0.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0
10	0.63 0.18 0.0	0.63 0.3 0.0	0.63 0.42 0.0	0.63 0.54 0.0	0.59 0.63 0.0	0.59 0.75 0.0	0.58 0.88 0.0	0.58 1.0 0.0	1.0 1.0 1.0	0.99 1.0 0.88	0.98 1.0 0.75	0.98 1.0 0.63	0.97 1.0 0.5	0.96 1.0 0.38	0.95 1.0 0.25	0.94 1.0 0.13	0.94 1.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0
11	0.63 0.17 0.13	0.63 0.29 0.13	0.63 0.41 0.13	0.63 0.54 0.13	0.59 0.63 0.13	0.59 0.75 0.13	0.59 0.88 0.13	0.59 1.0 0.13	0.93 0.88 1.0	0.88 0.88 0.88	0.87 0.88 0.75	0.86 0.88 0.63	0.85 0.88 0.5	0.84 0.88 0.38	0.84 0.88 0.25	0.83 0.88 0.13	0.82 0.88 0.0	0.07 0.07 0.07	0.07 0.07 0.07	0.07 0.07 0.07	0.07 0.07 0.07
12	0.63 0.13 0.16	0.63 0.28 0.25	0.63 0.4 0.25	0.63 0.53 0.25	0.6 0.63 0.25	0.6 0.75 0.25	0.6 0.88 0.25	0.6 1.0 0.25	0.87 0.75 1.0	0.81 0.75 0.88	0.75 0.75 0.75	0.74 0.75 0.63	0.73 0.75 0.5	0.73 0.75 0.38	0.72 0.75 0.25	0.71 0.75 0.13	0.7 0.75 0.0	0.13 0.13 0.13	0.13 0.13 0.13	0.13 0.13 0.13	0.13 0.13 0.13
13	0.63 0.13 0.24	0.63 0.25 0.3	0.63 0.4 0.38	0.63 0.52 0.38	0.61 0.63 0.38	0.61 0.75 0.38	0.61 0.88 0.38	0.61 1.0 0.38	0.8 0.63 1.0	0.74 0.63 0.88	0.68 0.63 0.75	0.63 0.63 0.63	0.62 0.63 0.5	0.61 0.63 0.38	0.6 0.63 0.25	0.59 0.63 0.13	0.59 0.63 0.0	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2
14	0.63 0.13 0.33	0.63 0.25 0.38	0.63 0.38 0.43	0.63 0.51 0.5	0.62 0.63 0.5	0.62 0.75 0.5	0.62 0.88 0.5	0.62 1.0 0.5	0.73 0.5 1.0	0.67 0.5 0.88	0.62 0.5 0.75	0.56 0.5 0.63	0.5 0.5 0.5	0.49 0.5 0.38	0.48 0.5 0.25	0.48 0.5 0.13	0.47 0.5 0.0	0.27 0.27 0.27	0.27 0.27 0.27	0.27 0.27 0.27	0.27 0.27 0.27
15	0.63 0.13 0.41	0.63 0.25 0.47	0.63 0.38 0.52	0.63 0.5 0.57	0.63 0.63 0.63	0.63 0.75 0.63	0.63 0.88 0.63	0.63 1.0 0.63	0.67 0.38 1.0	0.61 0.38 0.88	0.55 0.38 0.75	0.49 0.38 0.63	0.43 0.38 0.5	0.38 0.38 0.38	0.37 0.38 0.25	0.36 0.38 0.13	0.35 0.38 0.0	0.33 0.33 0.33	0.33 0.33 0.33	0.33 0.33 0.33	0.33 0.33 0.33
16	0.75 0.13 0.61	0.75 0.25 0.66	0.75 0.38 0.71	0.74 0.5 0.75	0.68 0.63 0.75	0.63 0.7 0.75	0.63 0.88 0.8	0.63 1.0 0.8	0.6 0.25 1.0	0.54 0.25 0.88	0.48 0.25 0.75	0.42 0.25 0.63	0.37 0.25 0.5	0.31 0.25 0.38	0.25 0.25 0.25	0.24 0.25 0.13	0.23 0.25 0.0	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4
17	0.88 0.13 0.8	0.88 0.25 0.85	0.85 0.38 0.88	0.79 0.5 0.88	0.74 0.63 0.88	0.63 0.64 0.88	0.63 0.78 0.88	0.63 1.0 0.97	0.53 0.13 1.0	0.47 0.13 0.88	0.42 0.13 0.75	0.36 0.13 0.63	0.3 0.13 0.5	0.24 0.13 0.38	0.18 0.13 0.25	0.13 0.13 0.13	0.12 0.13 0.0	0.47 0.47 0.47	0.47 0.47 0.47	0.47 0.47 0.47	0.47 0.47 0.47
18	1.0 0.13 0.99	0.96 0.25 1.0	0.9 0.38 1.0	0.85 0.5 1.0	0.8 0.63 1.0	0.67 0.63 1.0	0.63 0.72 1.0	0.63 0.86 1.0	0.46 0.0 1.0	0.41 0.0 0.88	0.35 0.0 0.75	0.29 0.0 0.63	0.23 0.0 0.5	0.17 0.0 0.38	0.12 0.0 0.25	0.06 0.0 0.13	0.0 0.0 0.0	0.53 0.53 0.53	0.53 0.53 0.53	0.53 0.53 0.53	0.53 0.53 0.53
19	1.0 0.21 0.0	1.0 0.33 0.0	1.0 0.45 0.0	1.0 0.58 0.0	1.0 0.7 0.0	1.0 0.82 0.0	1.0 0.94 0.0	0.94 1.0 0.0	1.0 1.0 1.0	0.88 1.0 0.88	0.75 1.0 0.75	0.63 1.0 0.63	0.5 1.0 0.5	0.38 1.0 0.38	0.25 1.0 0.25	0.13 1.0 0.13	0.0 1.0 0.0	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6
20	1.0 0.2 0.13	1.0 0.32 0.13	1.0 0.45 0.13	1.0 0.57 0.13	1.0 0.69 0.13	1.0 0.81 0.13	1.0 0.94 0.13	0.94 1.0 0.13	1.0 0.88 0.95	0.88 0.88 0.88	0.75 0.88 0.75	0.63 0.88 0.63	0.5 0.88 0.5	0.38 0.88 0.38	0.25 0.88 0.25	0.13 0.88 0.13	0.0 0.88 0.0	0.67 0.67 0.67	0.67 0.67 0.67	0.67 0.67 0.67	0.67 0.67 0.67
21	1.0 0.13 0.13	1.0 0.31 0.25	1.0 0.44 0.25	1.0 0.56 0.25	1.0 0.68 0.25	1.0 0.8 0.25	1.0 0.93 0.25	0.95 1.0 0.25	1.0 0.75 0.89	0.88 0.75 0.82	0.75 0.75 0.75	0.63 0.75 0.63	0.5 0.75 0.5	0.38 0.75 0.38	0.25 0.75 0.25	0.13 0.75 0.13	0.0 0.75 0.0	0.73 0.73 0.73	0.73 0.73 0.73	0.73 0.73 0.73	0.73 0.73 0.73
22	1.0 0.13 0.21	1.0 0.25 0.26	1.0 0.43 0.38	1.0 0.55 0.38	1.0 0.67 0.38	1.0 0.8 0.38	1.0 0.92 0.38	0.96 1.0 0.38	1.0 0.63 0.84	0.88 0.63 0.77	0.75 0.63 0.7	0.63 0.63 0.63	0.5 0.63 0.5	0.38 0.63 0.38	0.25 0.63 0.25	0.13 0.63 0.13	0.0 0.63 0.0	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8
23	1.0 0.13 0.29	1.0 0.25 0.34	1.0 0.38 0.4	1.0 0.54 0.5	1.0 0.67 0.5	1.0 0.79 0.5	1.0 0.91 0.5	0.97 1.0 0.5	1.0 0.5 0.79	0.88 0.5 0.72	0.75 0.5 0.64	0.63 0.5 0.57	0.5 0.5 0.5	0.38 0.5 0.38	0.25 0.5 0.25	0.13 0.5 0.13	0.0 0.5 0.0	0.87 0.87 0.87	0.87 0.87 0.87	0.87 0.87 0.87	0.87 0.87 0.87
24	1.0 0.13 0.38	1.0 0.25 0.43	1.0 0.38 0.48	1.0 0.5 0.53	1.0 0.66 0.63	1.0 0.78 0.63	1.0 0.9 0.63	0.98 1.0 0.63	1.0 0.38 0.74	0.88 0.38 0.66	0.75 0.38 0.59	0.63 0.38 0.52	0.5 0.38 0.45	0.38 0.38 0.38	0.25 0.38 0.25	0.13 0.38 0.13	0.0 0.38 0.0	0.93 0.93 0.93	0.93 0.93 0.93	0.93 0.93 0.93	0.93 0.93 0.93
25	1.0 0.13 0.46	1.0 0.25 0.51	1.0 0.38 0.57	1.0 0.5 0.62	1.0 0.63 0.67	1.0 0.77 0.75	1.0 0.89 0.75	0.98 1.0 0.75	1.0 0.25 0.68	0.88 0.25 0.61	0.75 0.25 0.54	0.63 0.25 0.47	0.5 0.25 0.39	0.38 0.25 0.32	0.25 0.25 0.25	0.13 0.25 0.13	0.0 0.25 0.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0
26	1.0 0.13 0.55	1.0 0.25 0.6	1.0 0.38 0.65	1.0 0.5 0.7	1.0 0.63 0.76	1.0 0.75 0.81	1.0 0.89 0.88	0.99 1.0 0.88	1.0 0.13 0.63	0.88 0.13 0.56	0.75 0.13 0.49	0.63 0.13 0.41	0.5 0.13 0.34	0.38 0.13 0.27	0.25 0.13 0.2	0.13 0.13 0.13	0.0 0.13 0.0	0.0 0.0 0.0	1.0 0.09 0.0	0.94 1.0 0.0	0.0 1.0 0.0
27	1.0 0.13 0.63	1.0 0.25 0.68	1.0 0.38 0.74	1.0 0.5 0.79	1.0 0.63 0.84	1.0 0.75 0.89	1.0 0.88 0.95	1.0 1.0 1.0	1.0 0.0 0.58	0.88 0.0 0.51	0.75 0.0 0.43	0.63 0.0 0.36	0.5 0.0 0.29	0.38 0.0 0.22	0.25 0.0 0.14	0.13 0.0 0.07	0.0 0.0 0.0	1.0 1.0 1.0	0.0 0.62 1.0	0.46 0.0 1.0	1.0 0.0 0.58

See for similar files: http://www.ps.bam.de/Ee13/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

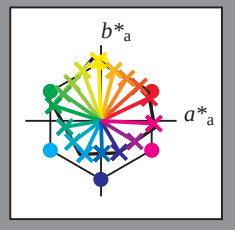
BAM registration: 20081001-Ee13/10L/L13E00NP.PS/ .PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta

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

Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 0.96

ORS20_95a; adapted (a) CIELAB data

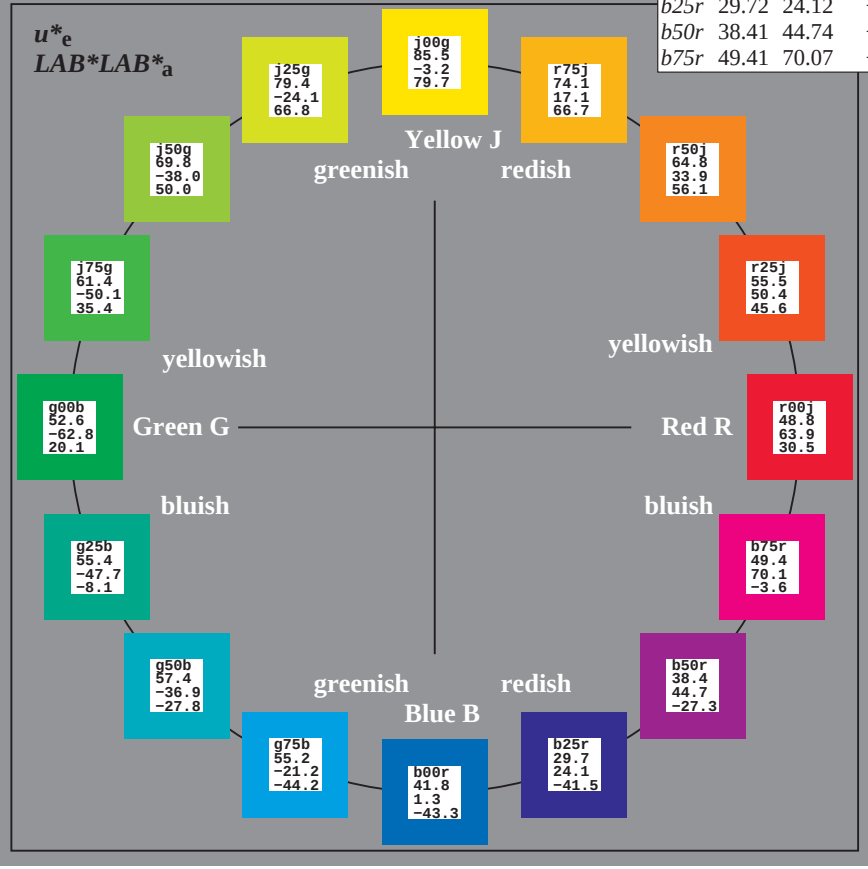
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*

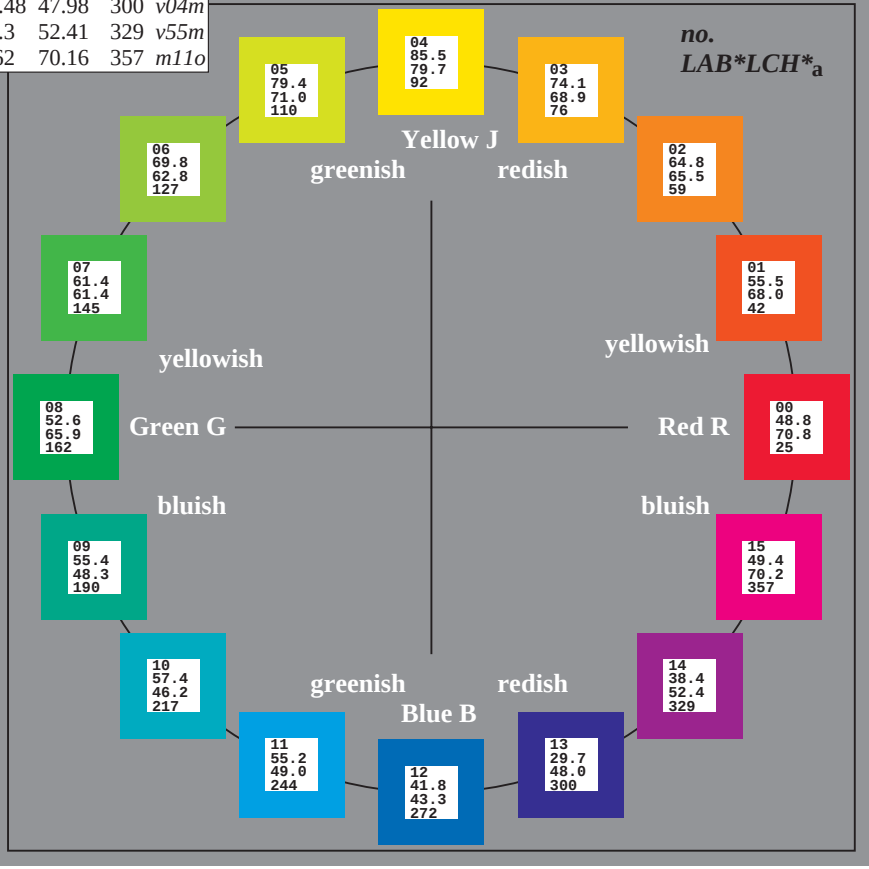


%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

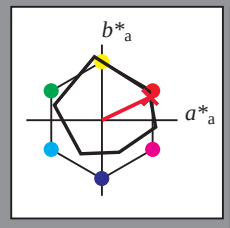
Name	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r00j* u^*_d = *m84o*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

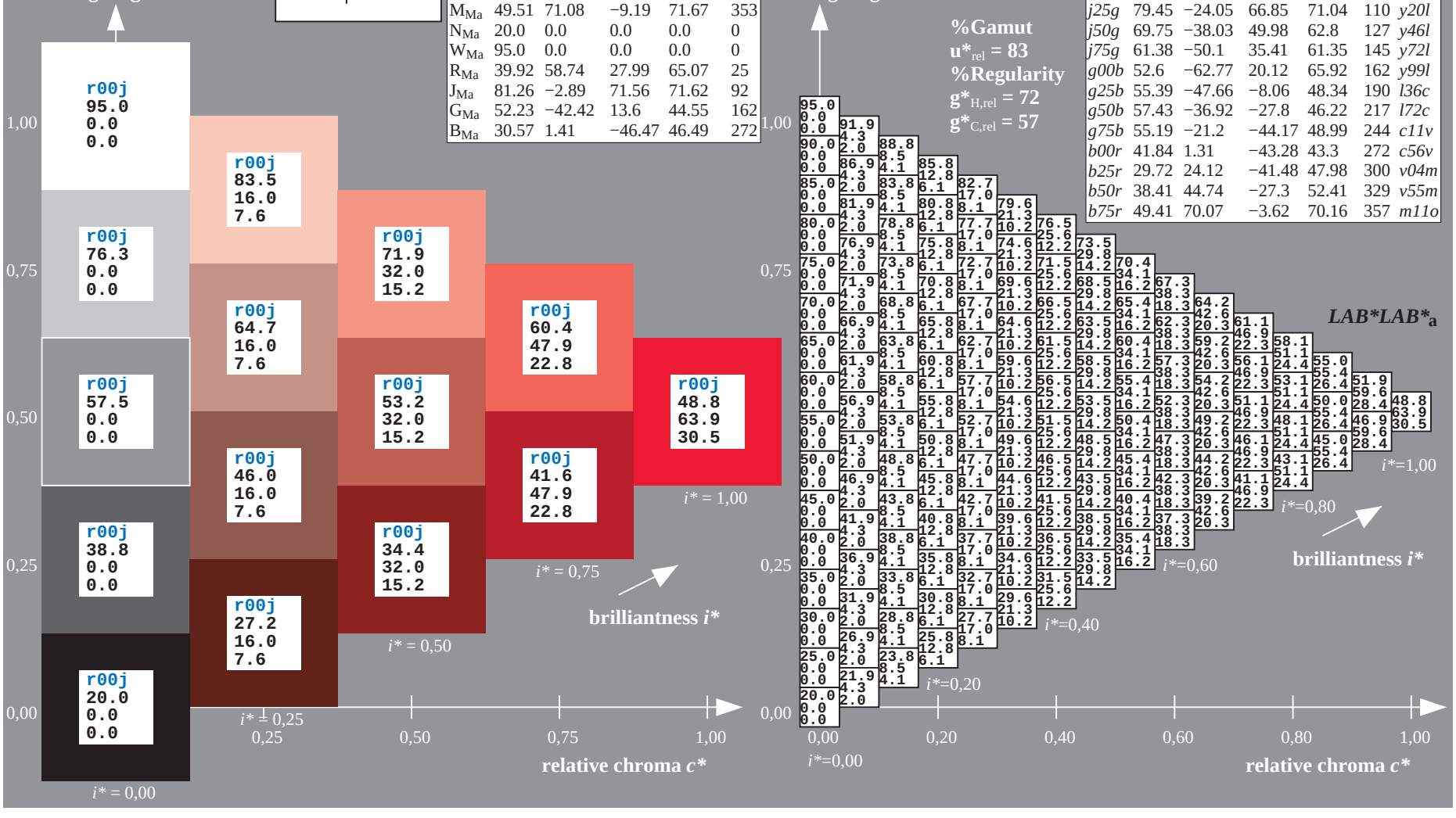
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 64 30
$LAB^*LCH^*_{Ma}$: 49 71 25
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.0
$lab^*olv^*_{Ma}$: 1.0 0.0 0.15
triangle lightness *t**

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

u^*_e = *r00j*
$LAB^*LAB^*_a$

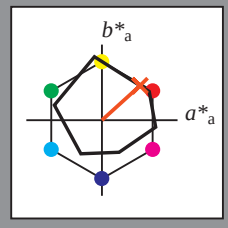
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = r25j$ $u^*_d = o17y$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

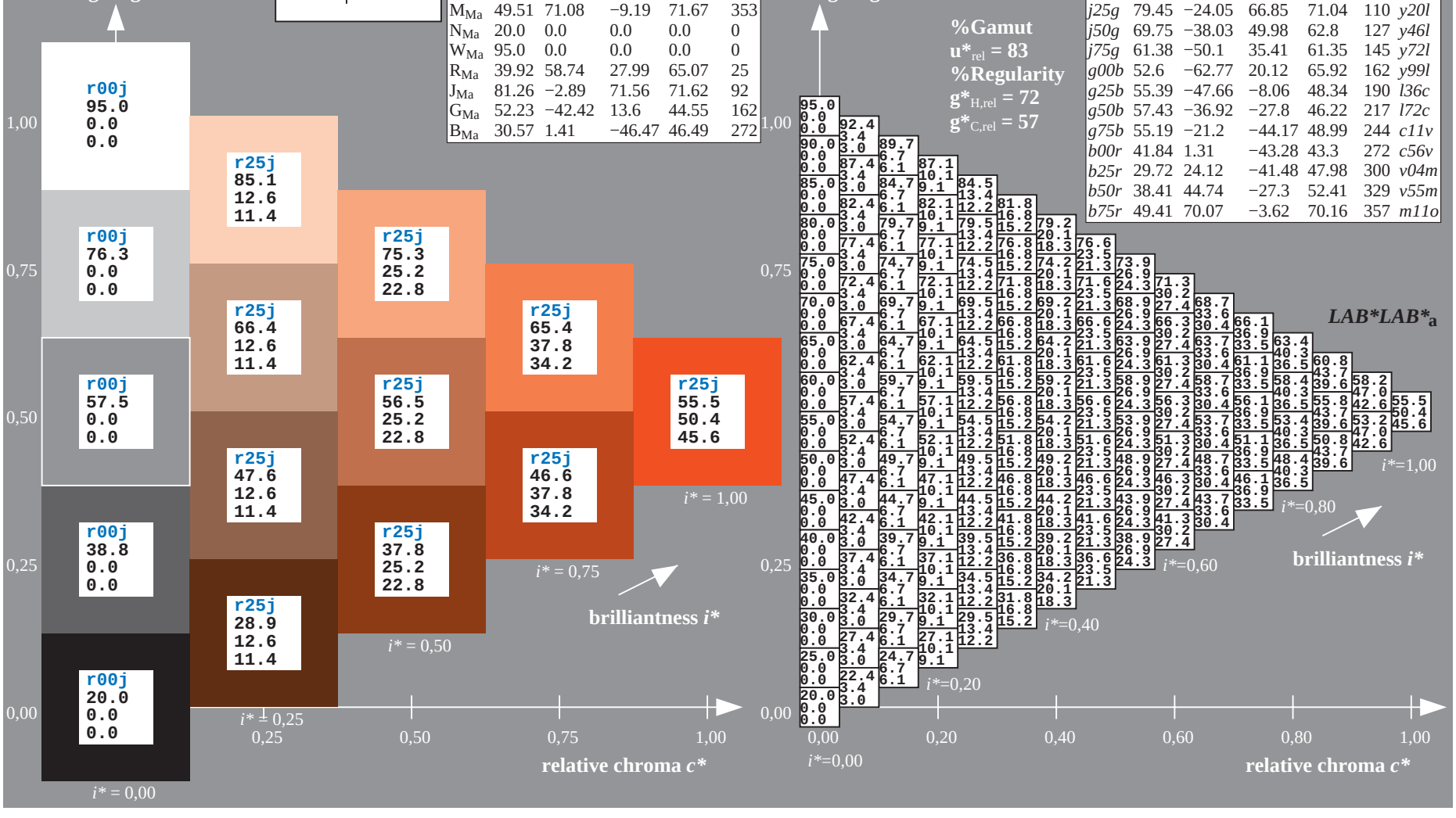
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 56 50 46
$LAB^*LCH^*_{Ma}$: 56 68 42
$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0
$lab^*olv^*_{Ma}$: 1.0 0.17 0.0
triangle lightness *t**

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

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

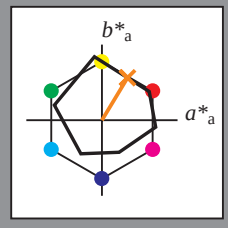
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
$u^*_e = r50j$ $u^*_d = o42y$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

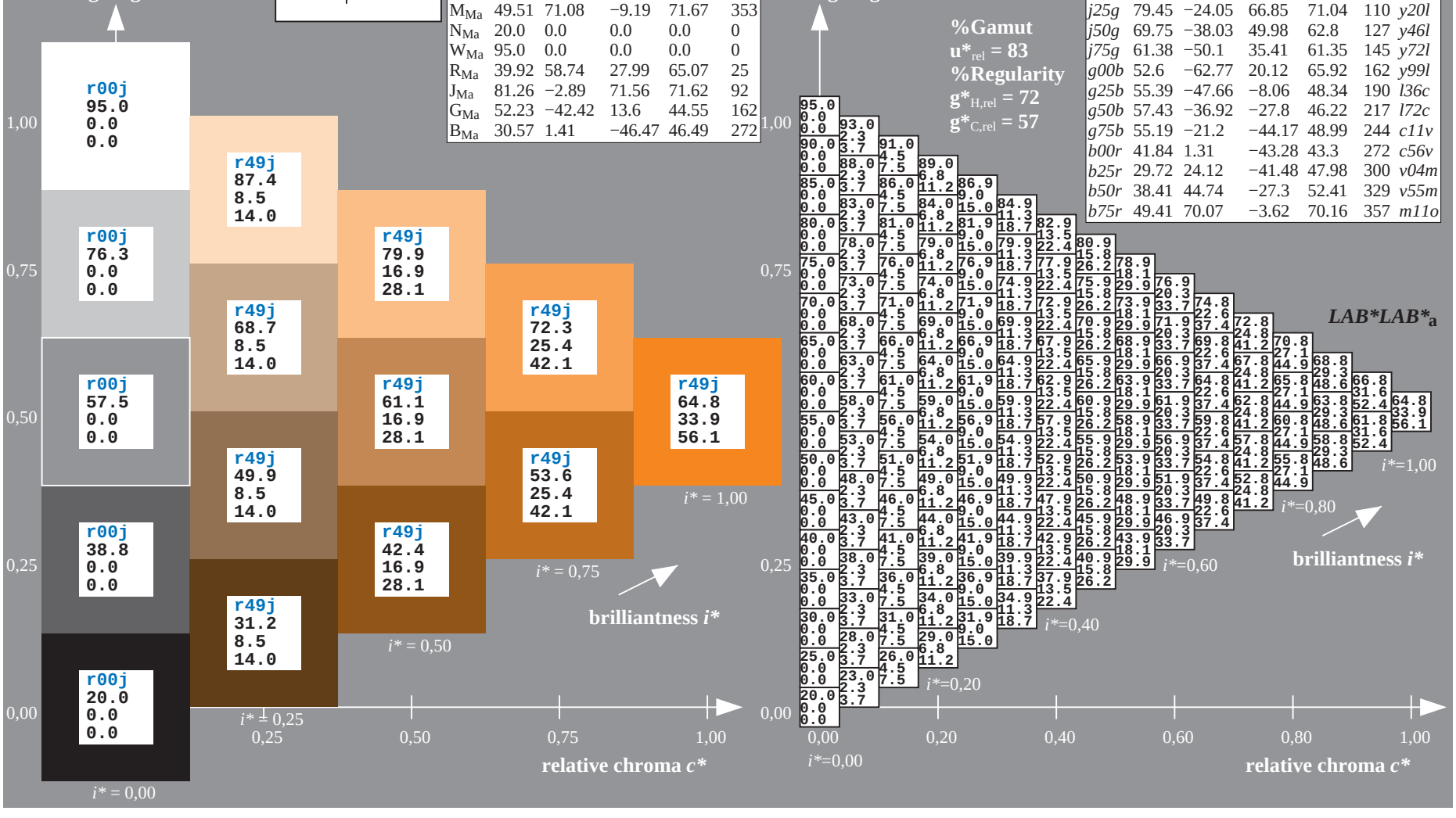
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 65 34 56
$LAB^*LCH^*_{Ma}$: 65 66 58
$lab^*rgb^*_{Ma}$: 1.0 0.5 0.0
$lab^*olv^*_{Ma}$: 1.0 0.42 0.0
triangle lightness *t**

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

$u^*_e = r50j$
$LAB^*LAB^*_a$

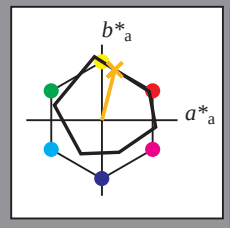
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *r75j* u^*_d = *o67y*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31	
Y_{Ma}	89.25	−9.92	83.91	84.49	97	
L_{Ma}	52.5	−62.91	19.95	66.0	162	
C_{Ma}	59.15	−27.87	−44.43	52.45	238	
V_{Ma}	29.13	22.73	−42.44	48.14	298	
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25	
J_{Ma}	81.26	−2.89	71.56	71.62	92	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	30.57	1.41	−46.47	46.49	272	

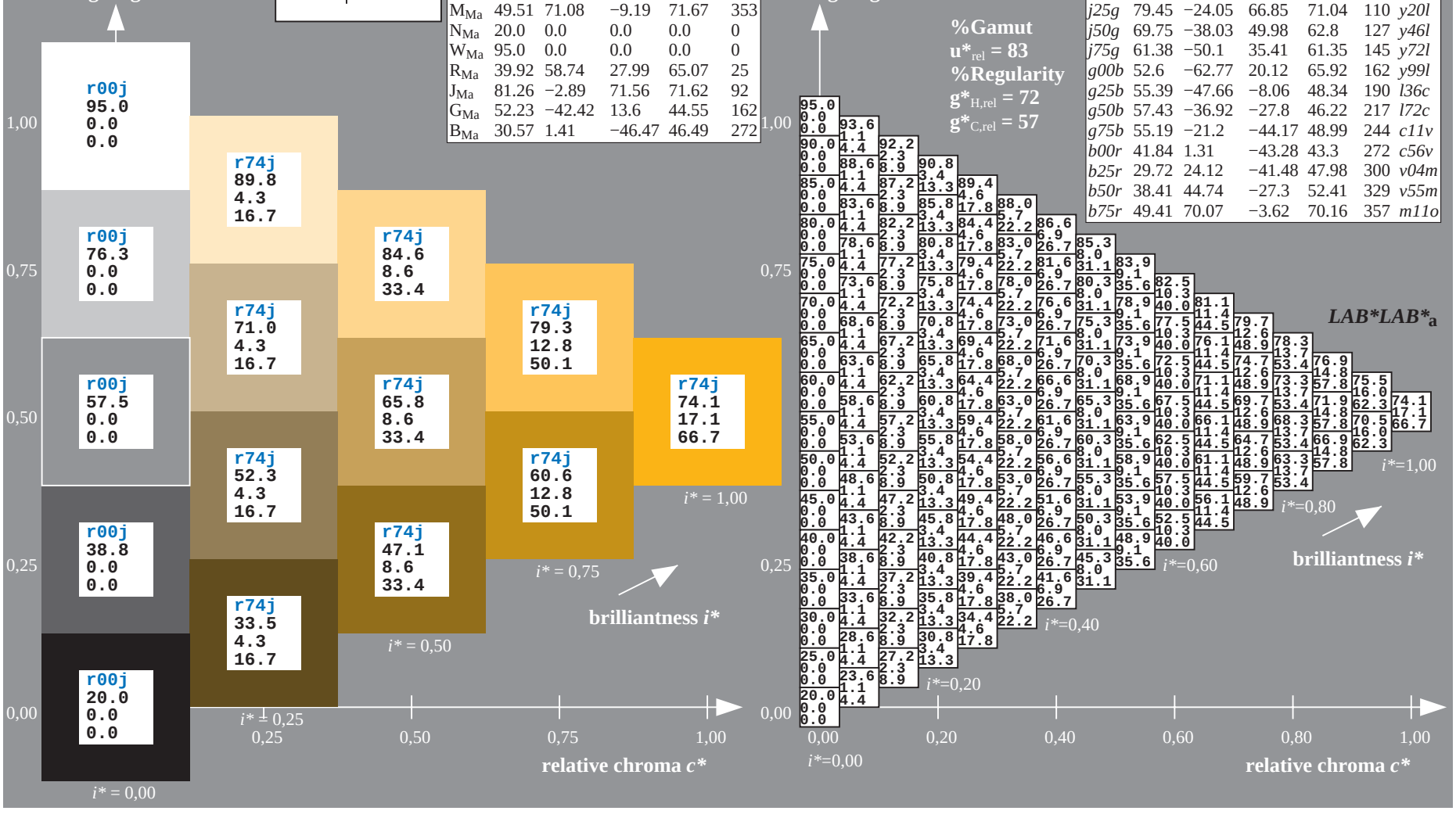
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 74 17 67
$LAB^*LCH^*_{Ma}$: 74 69 75
$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0
$lab^*olv^*_{Ma}$: 1.0 0.68 0.0
triangle lightness *t**

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

u^*_e = *r75j*
$LAB^*LAB^*_a$

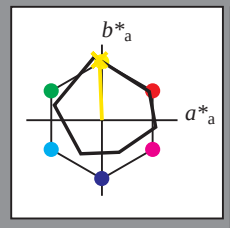
ORS20_95a; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*	
r25j	55.53	50.37	45.65	67.97	42	*o17y*	
r50j	64.76	33.86	56.12	65.55	59	*o42y*	
r75j	74.12	17.13	66.74	68.9	76	*o67y*	
j00g	85.5	−3.22	79.65	79.72	92	*o92y*	
j25g	79.45	−24.05	66.85	71.04	110	*y20l*	
j50g	69.75	−38.03	49.98	62.8	127	*y46l*	
j75g	61.38	−50.1	35.41	61.35	145	*y72l*	
g00b	52.6	−62.77	20.12	65.92	162	*y99l*	
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*	
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*	
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*	
b00r	41.84	1.31	−43.28	43.3	272	*c56v*	
b25r	29.72	24.12	−41.48	47.98	300	*v04m*	
b50r	38.41	44.74	−27.3	52.41	329	*v55m*	
b75r	49.41	70.07	−3.62	70.16	357	*m11o*	



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *j00g* u^*_d = *o92y*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

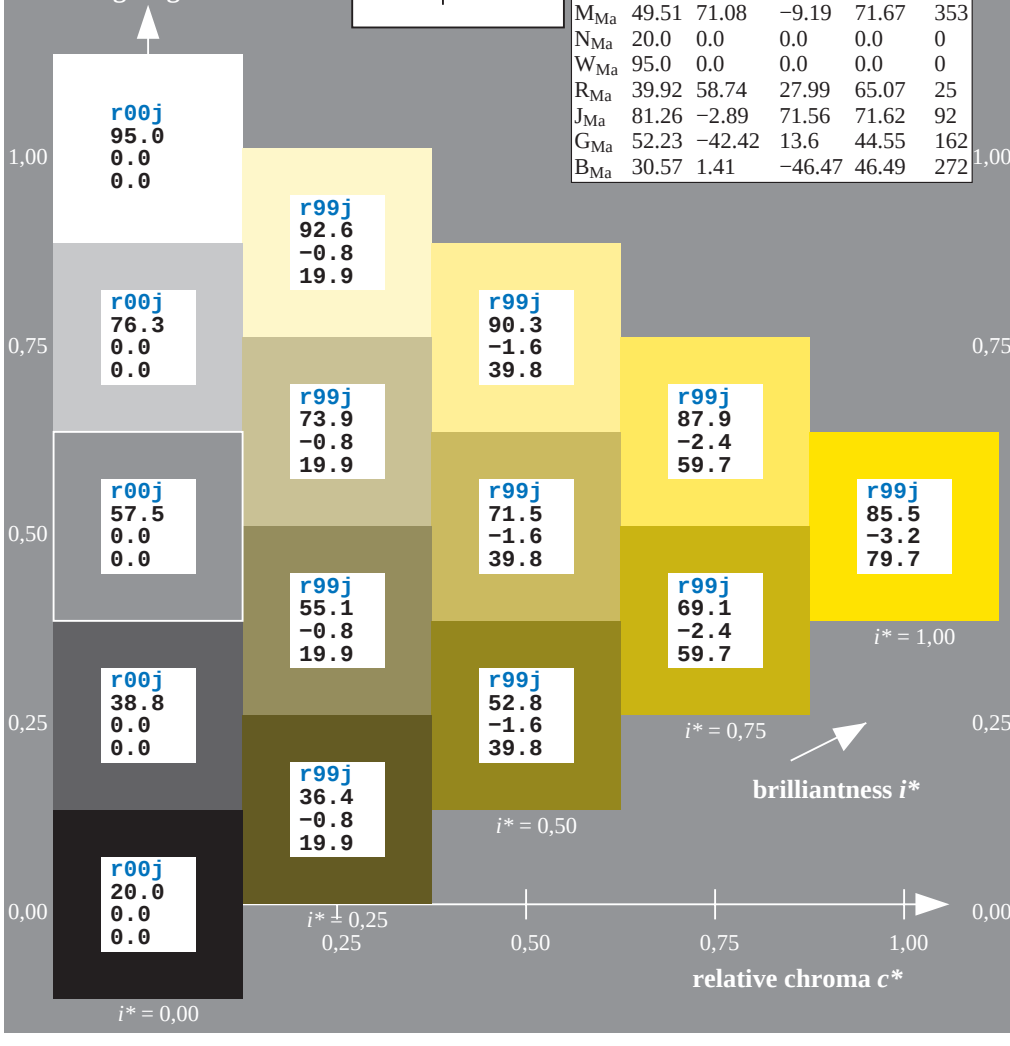
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 86 −3 80
$LAB^*LCH^*_{Ma}$: 86 80 92
$lab^*rgb^*_{Ma}$: 1.0 1.0 0.0
$lab^*olv^*_{Ma}$: 1.0 0.93 0.0
triangle lightness *t**

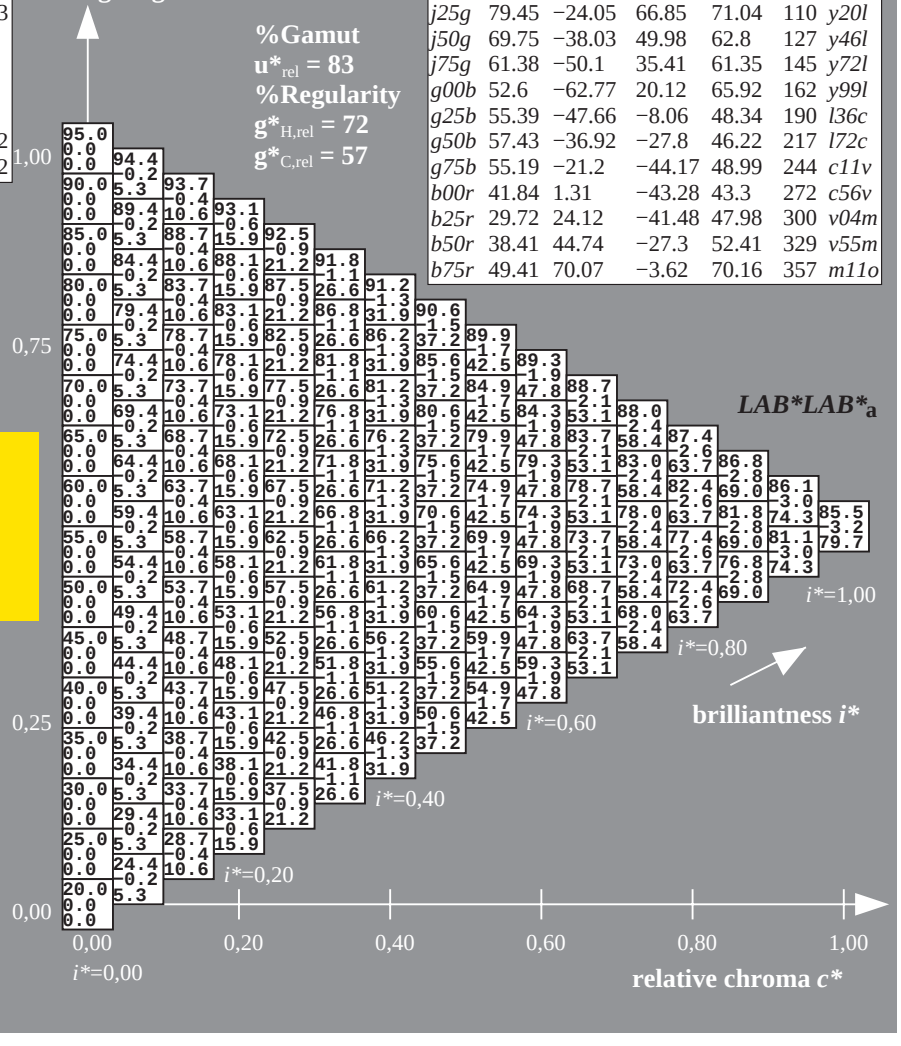
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u^*_e = *j00g*
$LAB^*LAB^*_a$

ORS20_95a; adapted (a) CIELAB data

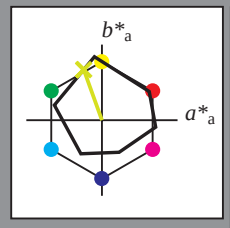
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j25g* u^*_d = *y20l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

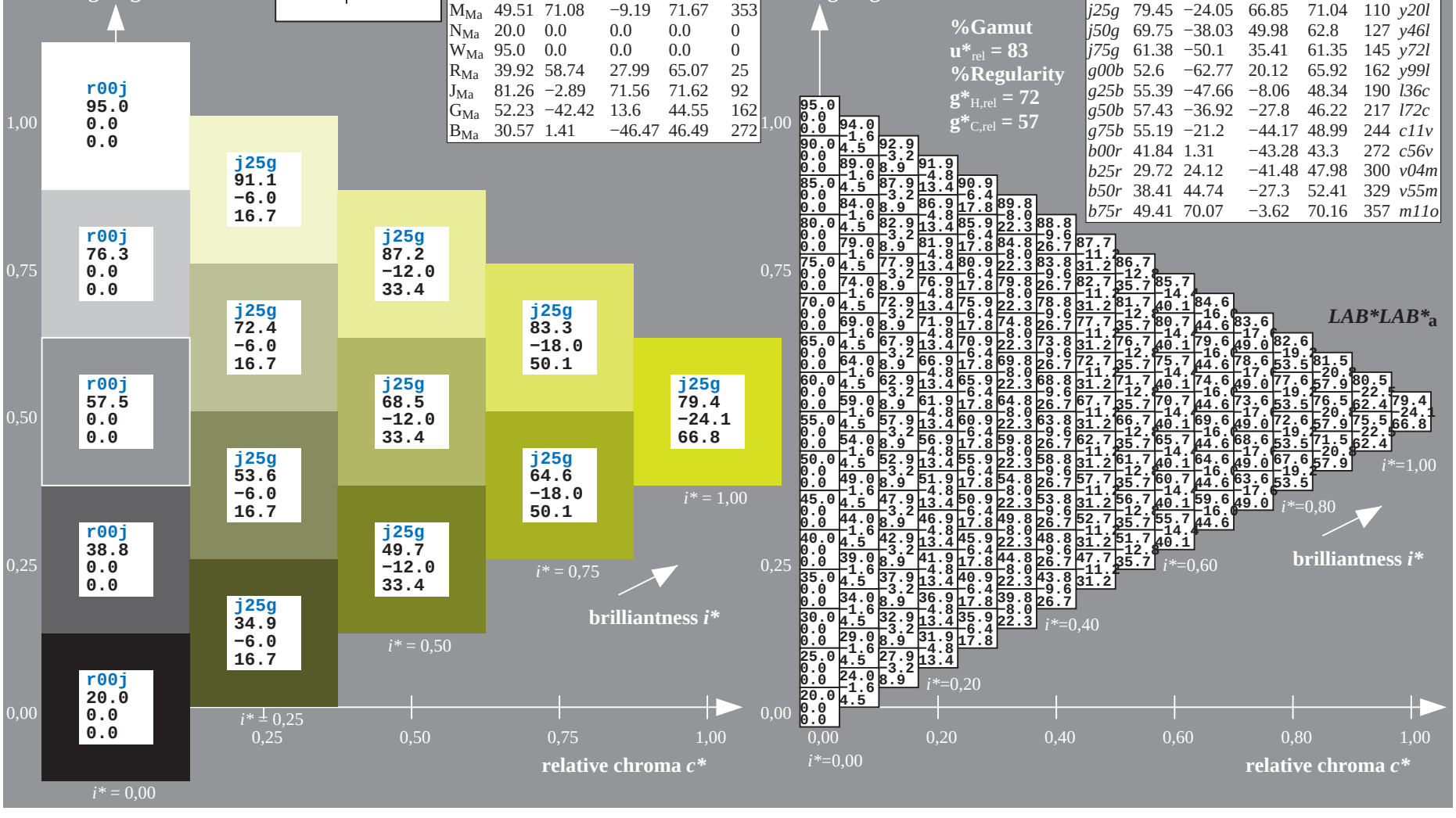
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 79 −24 67
*LAB*LCH**$_{Ma}$: 79 71 109
*lab*rgb**$_{Ma}$: 0.75 1.0 0.0
*lab*olv**$_{Ma}$: 0.8 1.0 0.0
triangle lightness *t**

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

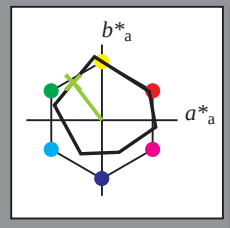
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *j50g* u^*_d = *y46l*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

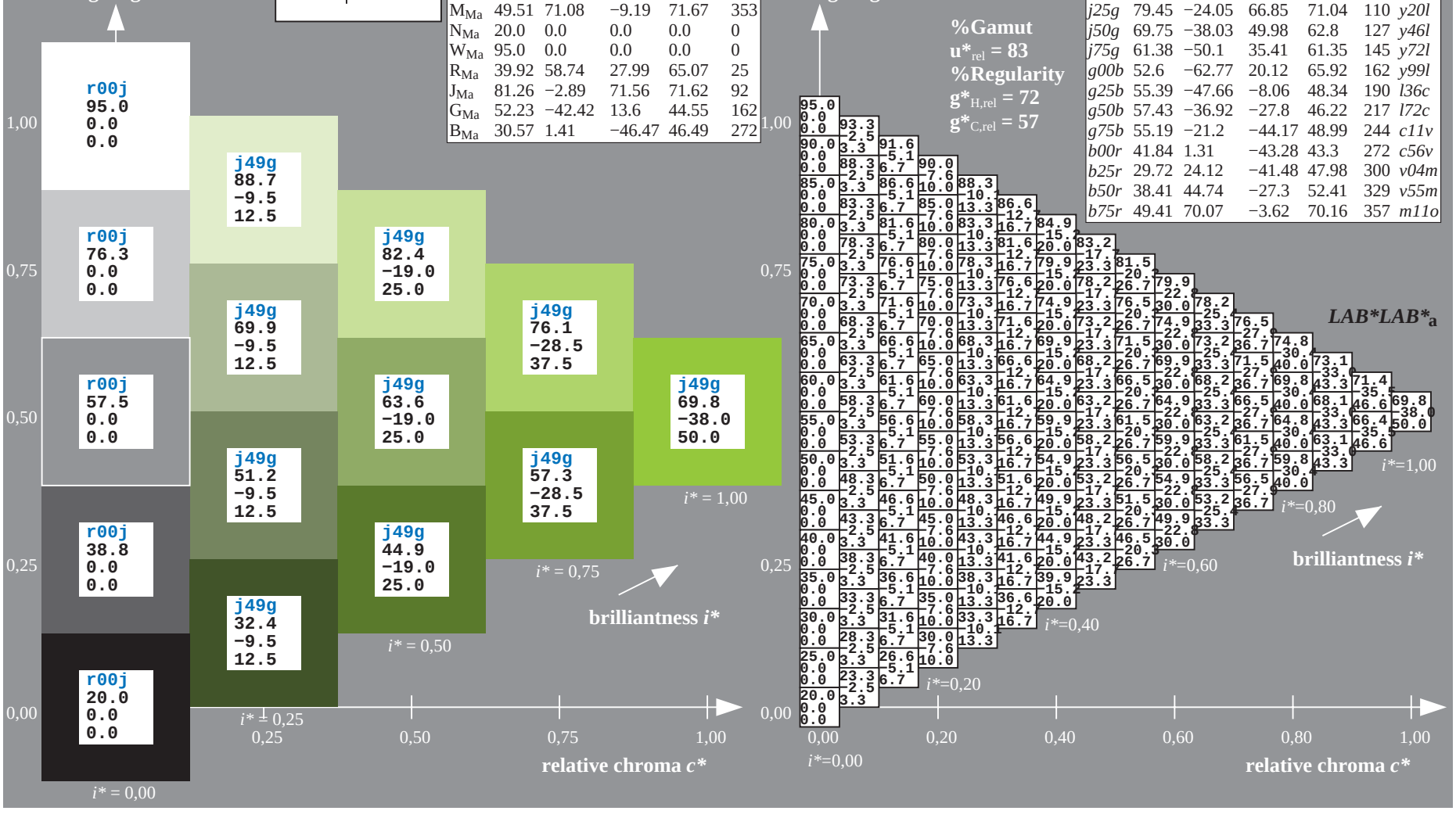
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31	
Y_{Ma}	89.25	−9.92	83.91	84.49	97	
L_{Ma}	52.5	−62.91	19.95	66.0	162	
C_{Ma}	59.15	−27.87	−44.43	52.45	238	
V_{Ma}	29.13	22.73	−42.44	48.14	298	
M_{Ma}	49.51	71.08	−9.19	71.67	353	
N_{Ma}	20.0	0.0	0.0	0.0	0	
W_{Ma}	95.0	0.0	0.0	0.0	0	
R_{Ma}	39.92	58.74	27.99	65.07	25	
J_{Ma}	81.26	−2.89	71.56	71.62	92	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	30.57	1.41	−46.47	46.49	272	

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 70 −38 50
*LAB*LCH**$_{Ma}$: 70 63 127
*lab*rgb**$_{Ma}$: 0.5 1.0 0.0
*lab*olv**$_{Ma}$: 0.54 1.0 0.0
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25		*m84o*
r25j	55.53	50.37	45.65	67.97	42		*o17y*
r50j	64.76	33.86	56.12	65.55	59		*o42y*
r75j	74.12	17.13	66.74	68.9	76		*o67y*
j00g	85.5	−3.22	79.65	79.72	92		*o92y*
j25g	79.45	−24.05	66.85	71.04	110		*y20l*
j50g	69.75	−38.03	49.98	62.8	127		*y46l*
j75g	61.38	−50.1	35.41	61.35	145		*y72l*
g00b	52.6	−62.77	20.12	65.92	162		*y99l*
g25b	55.39	−47.66	−8.06	48.34	190		*l36c*
g50b	57.43	−36.92	−27.8	46.22	217		*l72c*
g75b	55.19	−21.2	−44.17	48.99	244		*c11v*
b00r	41.84	1.31	−43.28	43.3	272		*c56v*
b25r	29.72	24.12	−41.48	47.98	300		*v04m*
b50r	38.41	44.74	−27.3	52.41	329		*v55m*
b75r	49.41	70.07	−3.62	70.16	357		*m11o*

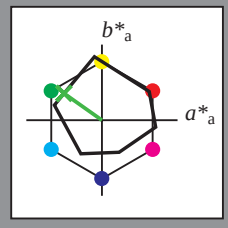


See for similar files: http://www.ps.bam.de/Ee13/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

BAM registration: 20081001-Ee13/10L/L13E00NP.PS/ .PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

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

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j75g* u^*_d = *y72l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

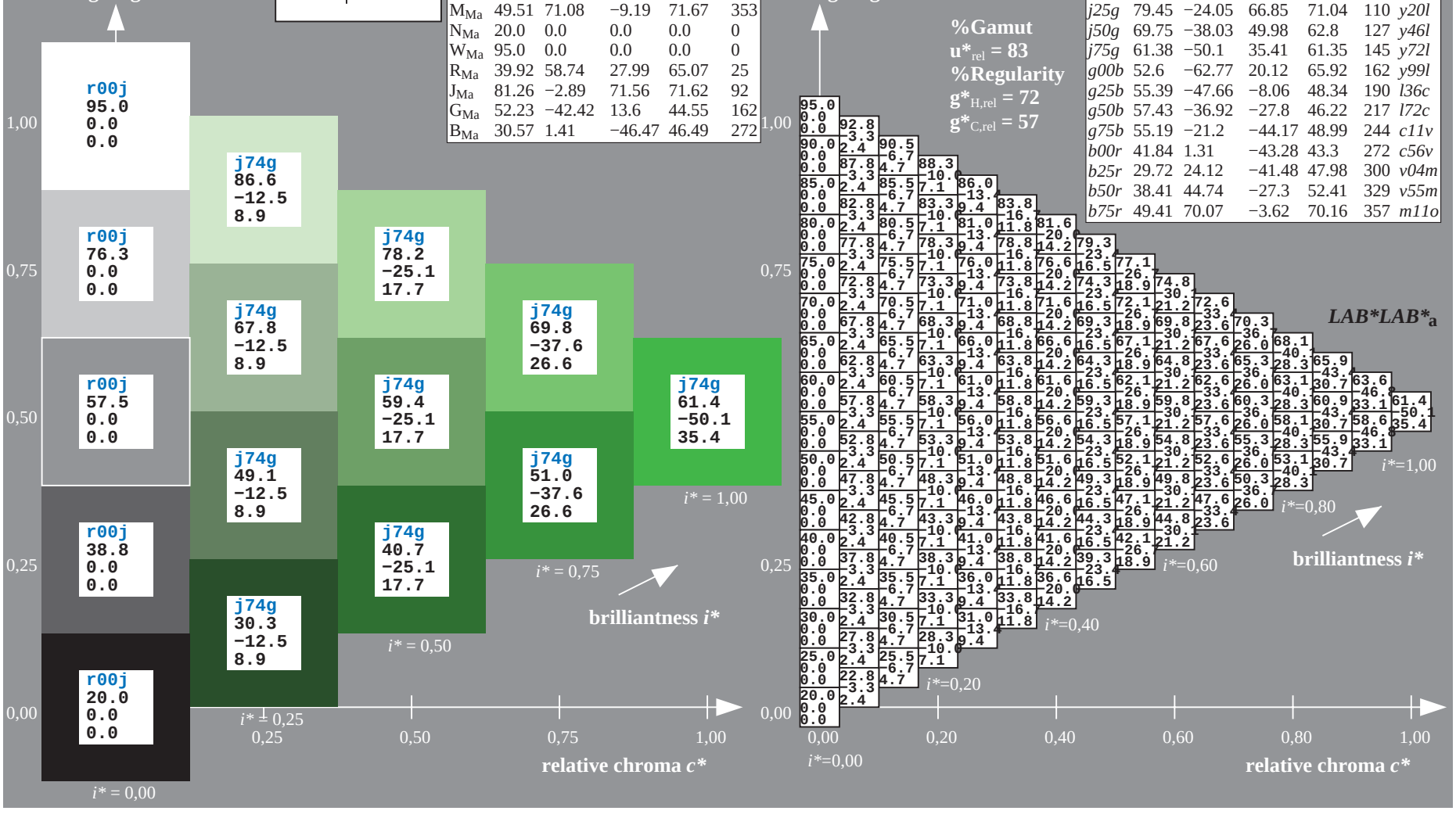
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 61 −50 35
*LAB*LCH**$_{Ma}$: 61 61 144
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.27 1.0 0.0
triangle lightness *t**

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

u^*_e = *j75g*
LAB*LAB*a

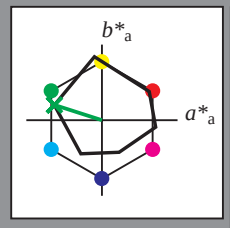
ORS20_95a; adapted (a) CIELAB data

*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *g00b* u^*_d = *y99l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

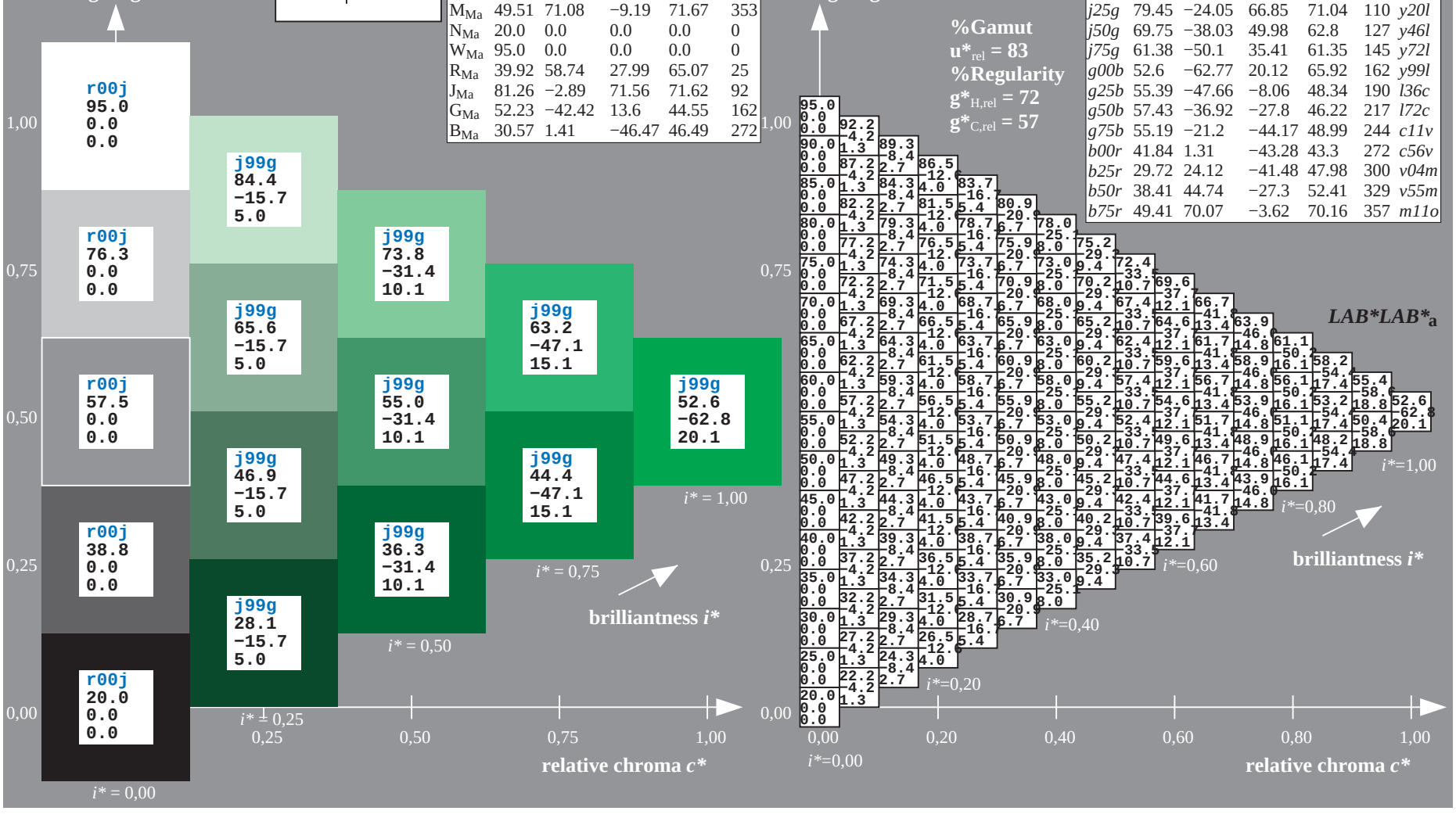
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 53 −63 20
*LAB*LCH**$_{Ma}$: 53 66 162
*lab*rgb**$_{Ma}$: 0.0 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.0
triangle lightness *t**

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

u^*_e = *g00b*
LAB*LAB*a

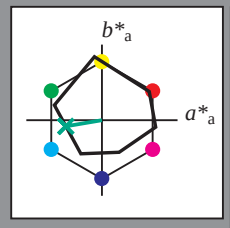
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *g25b* u^*_d = *l36c*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

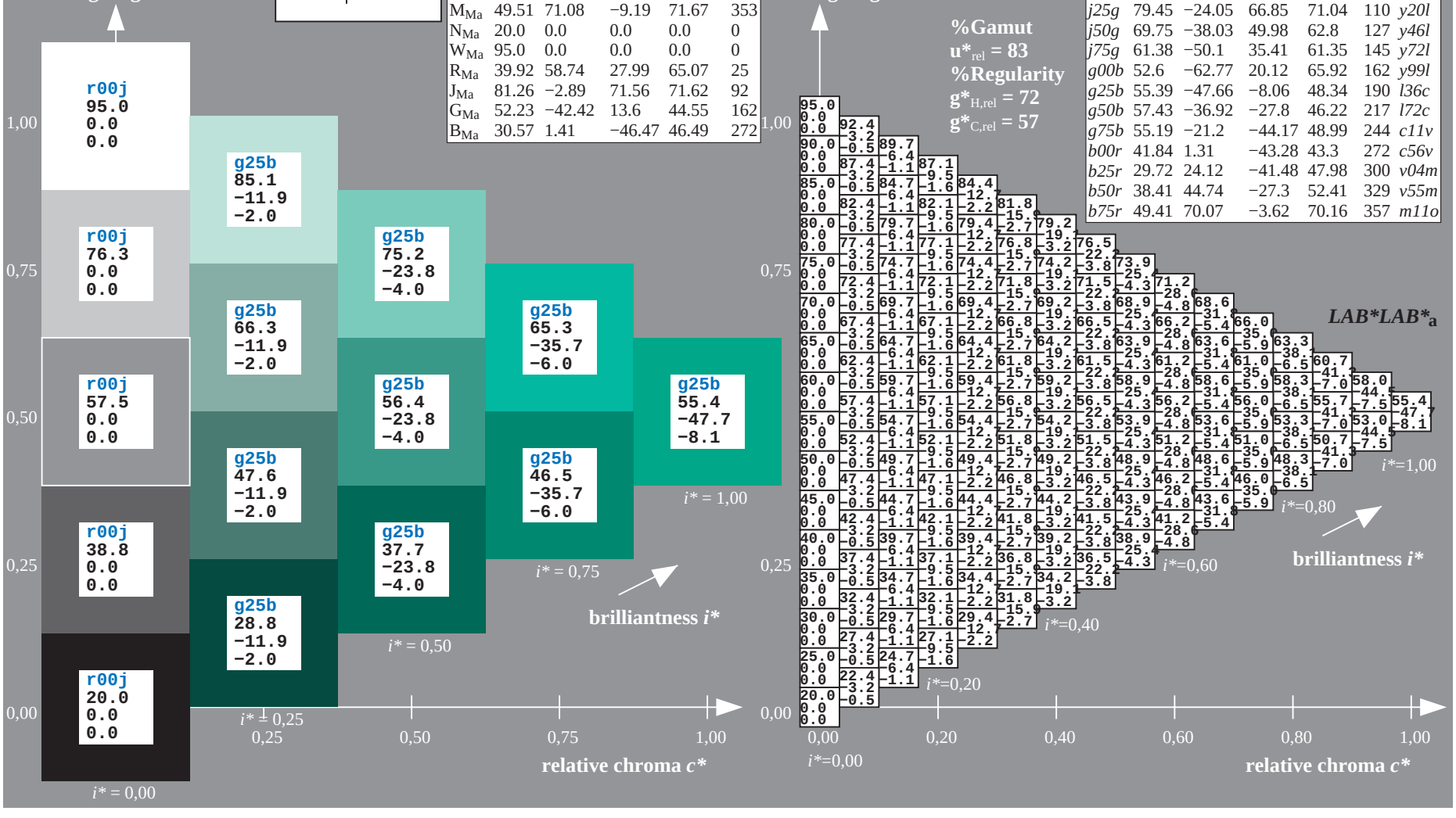
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −48 −8
*LAB*LCH**$_{Ma}$: 55 48 189
*lab*rgb**$_{Ma}$: 0.0 1.0 0.5
*lab*olv**$_{Ma}$: 0.0 1.0 0.36
triangle lightness *t**

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

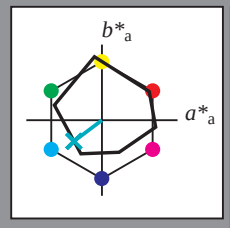
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *g50b* u^*_d = *l72c*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

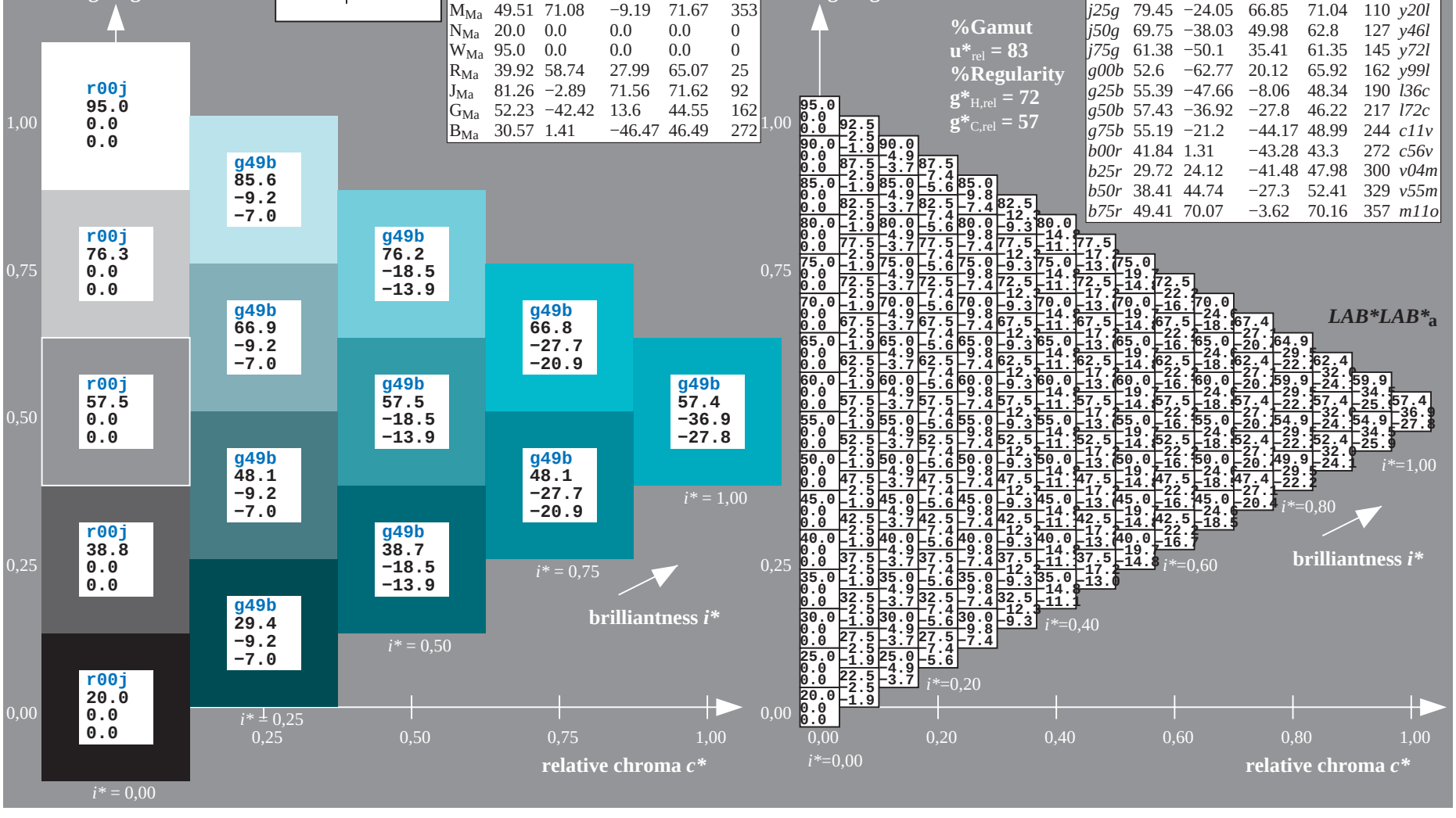
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 57 −37 −28
*LAB*LCH**$_{Ma}$: 57 46 216
*lab*rgb**$_{Ma}$: 0.0 1.0 1.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.72
triangle lightness *t**

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

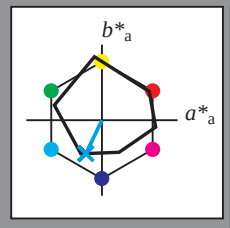
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *g75b* u^*_d = *c11v*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

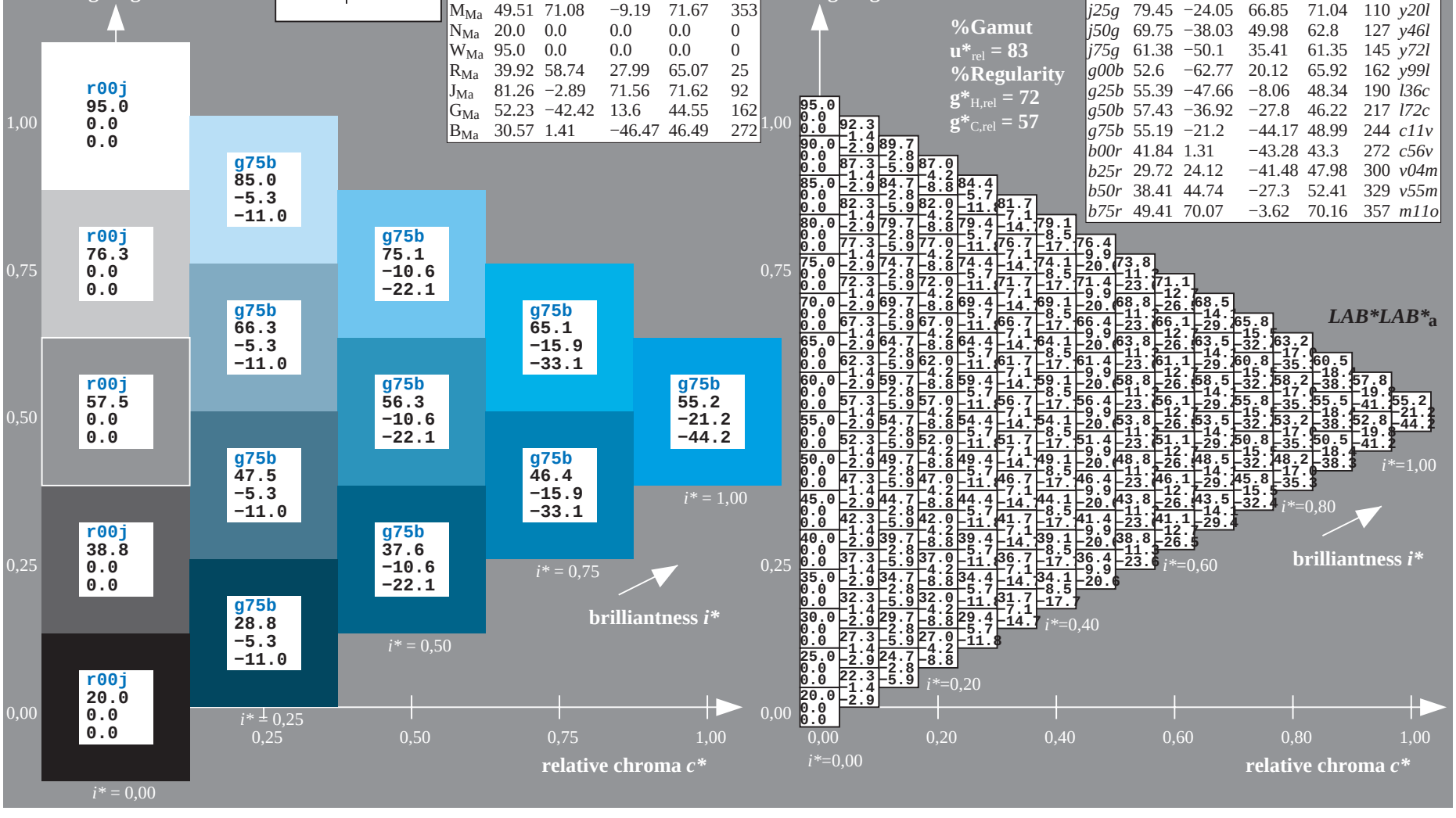
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −21 −44
*LAB*LCH**$_{Ma}$: 55 49 244
*lab*rgb**$_{Ma}$: 0.0 0.5 1.0
*lab*olv**$_{Ma}$: 0.0 0.89 1.0
triangle lightness *t**

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

u^*_e = *g75b*
*LAB*LAB**$_a$

ORS20_95a; adapted (a) CIELAB data

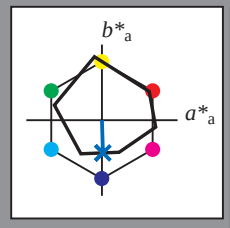
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *b00r* u^*_d = *c56v*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

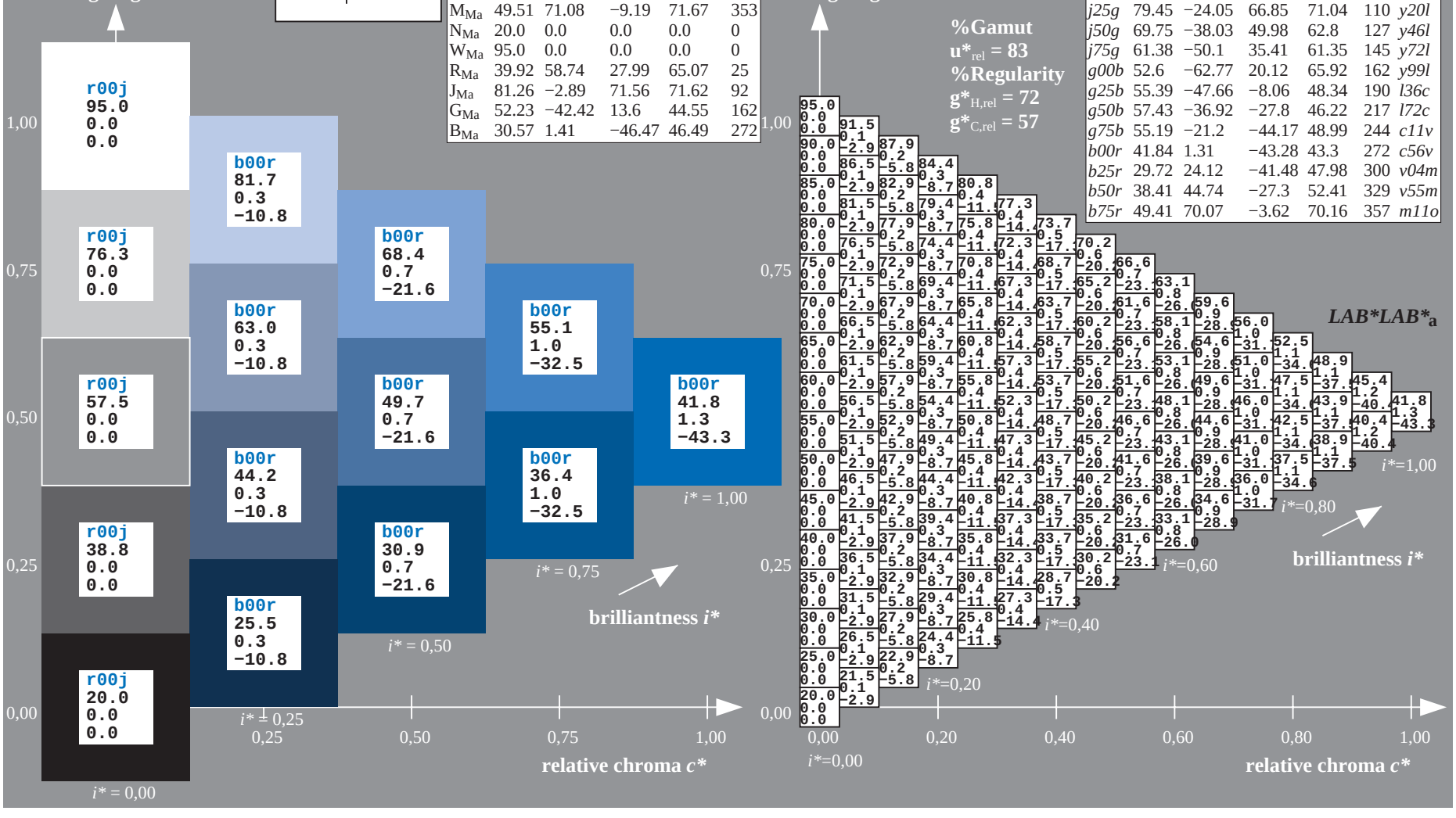
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 1 −43
*LAB*LCH**$_{Ma}$: 42 43 271
*lab*rgb**$_{Ma}$: 0.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.0 0.44 1.0
triangle lightness *t**

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

u^*_e = *b00r*
LAB*LAB*$_a$

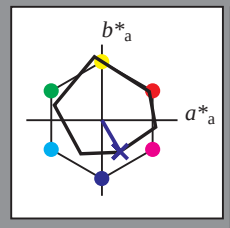
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *b25r* u^*_d = *v04m*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t



ORS20_95a; adapted (a) CIELAB data

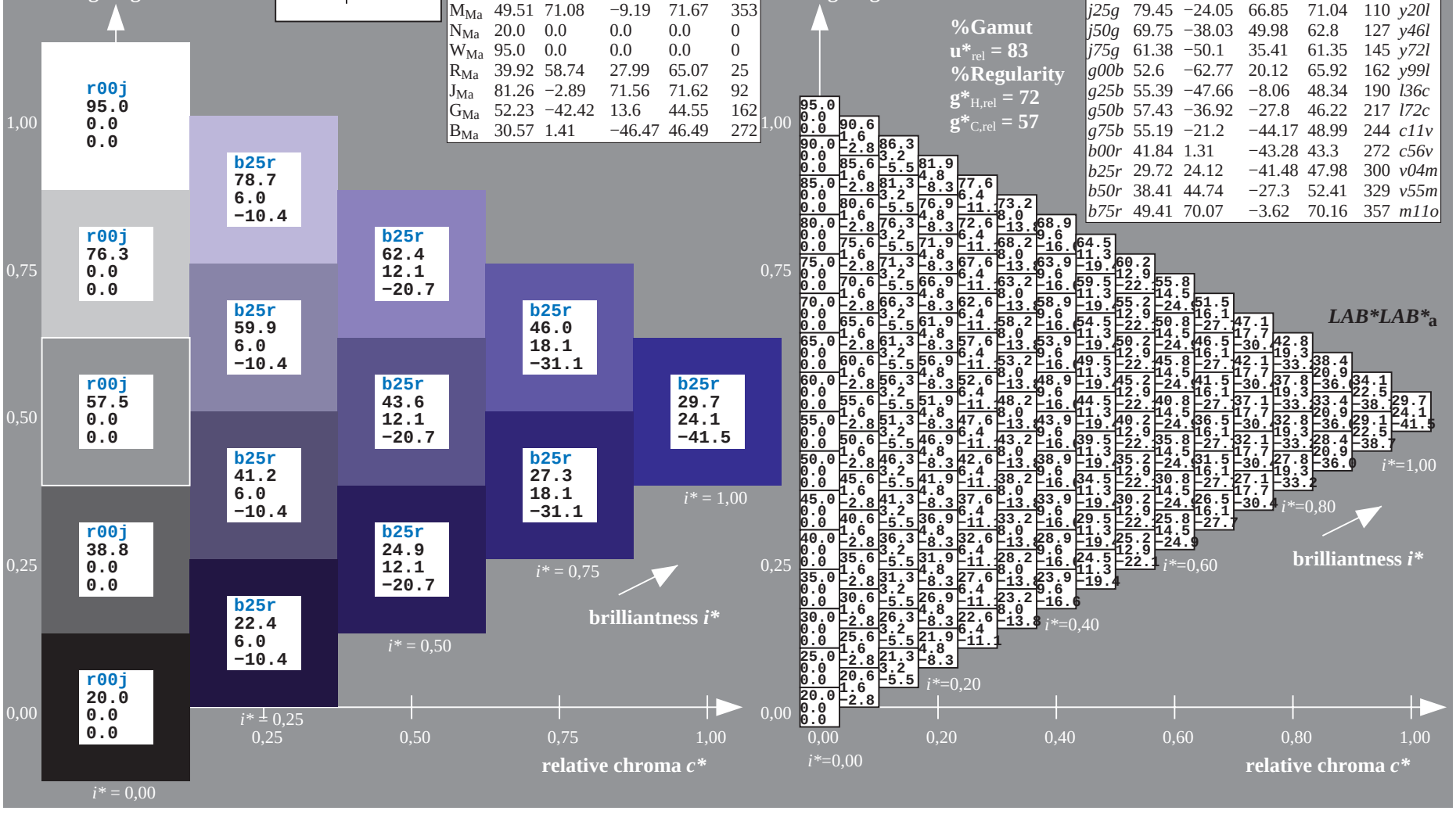
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 30 24 −41
*LAB*LCH**$_{Ma}$: 30 48 300
*lab*rgb**$_{Ma}$: 0.5 0.0 1.0
*lab*olv**$_{Ma}$: 0.04 0.0 1.0
triangle lightness *t**

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

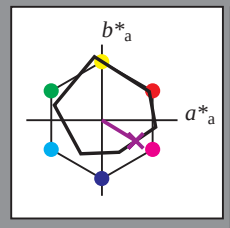
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *b50r* u^*_d = *v55m*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

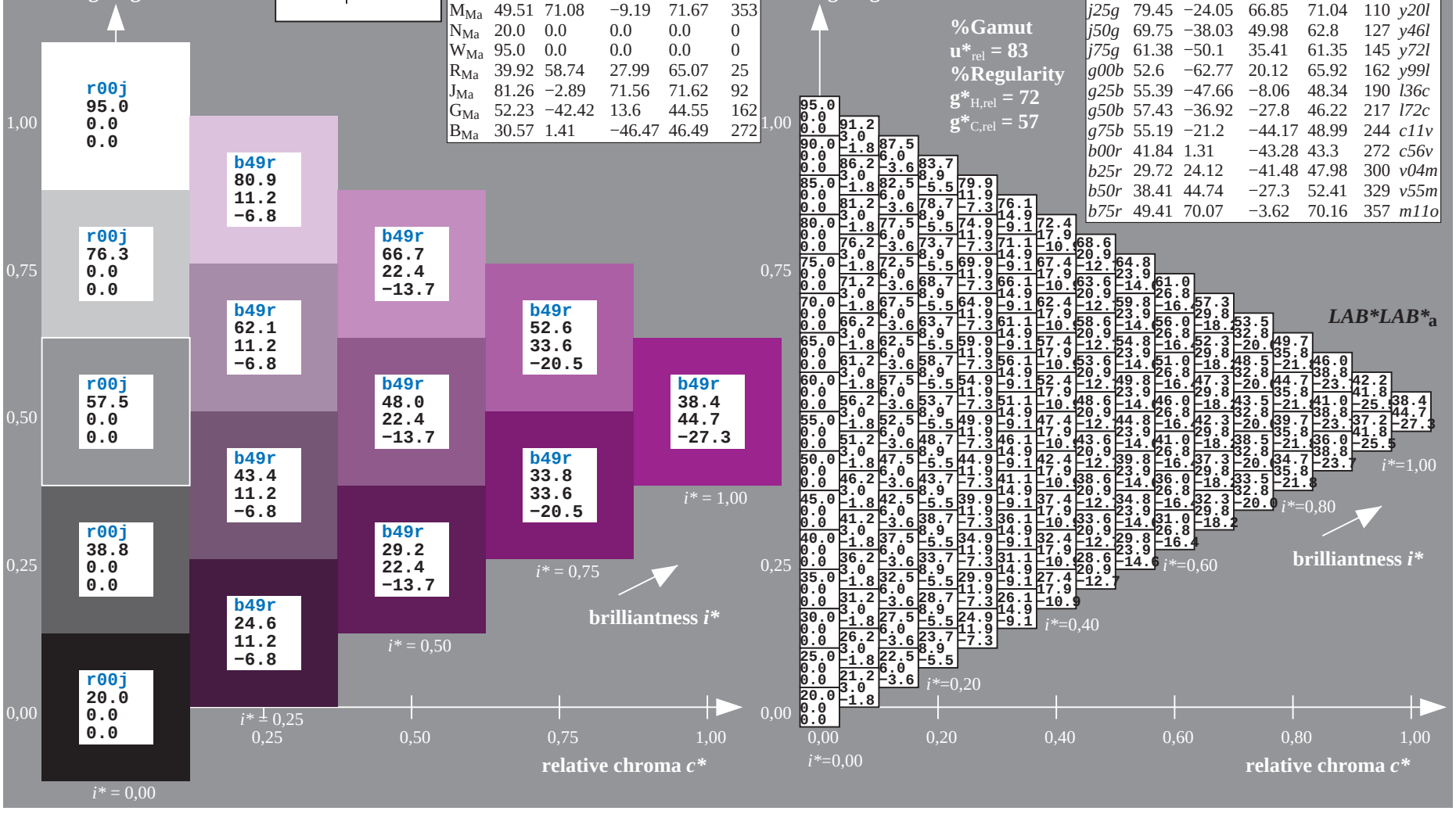
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 38 45 −27
*LAB*LCH**$_{Ma}$: 38 52 328
*lab*rgb**$_{Ma}$: 1.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.56 0.0 1.0
triangle lightness *t**

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

u^*_e = *b50r*
LAB*LAB*$_a$

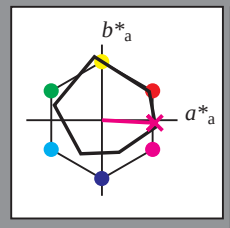
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
$u^*_e = b75r$ $u^*_d = m11o$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

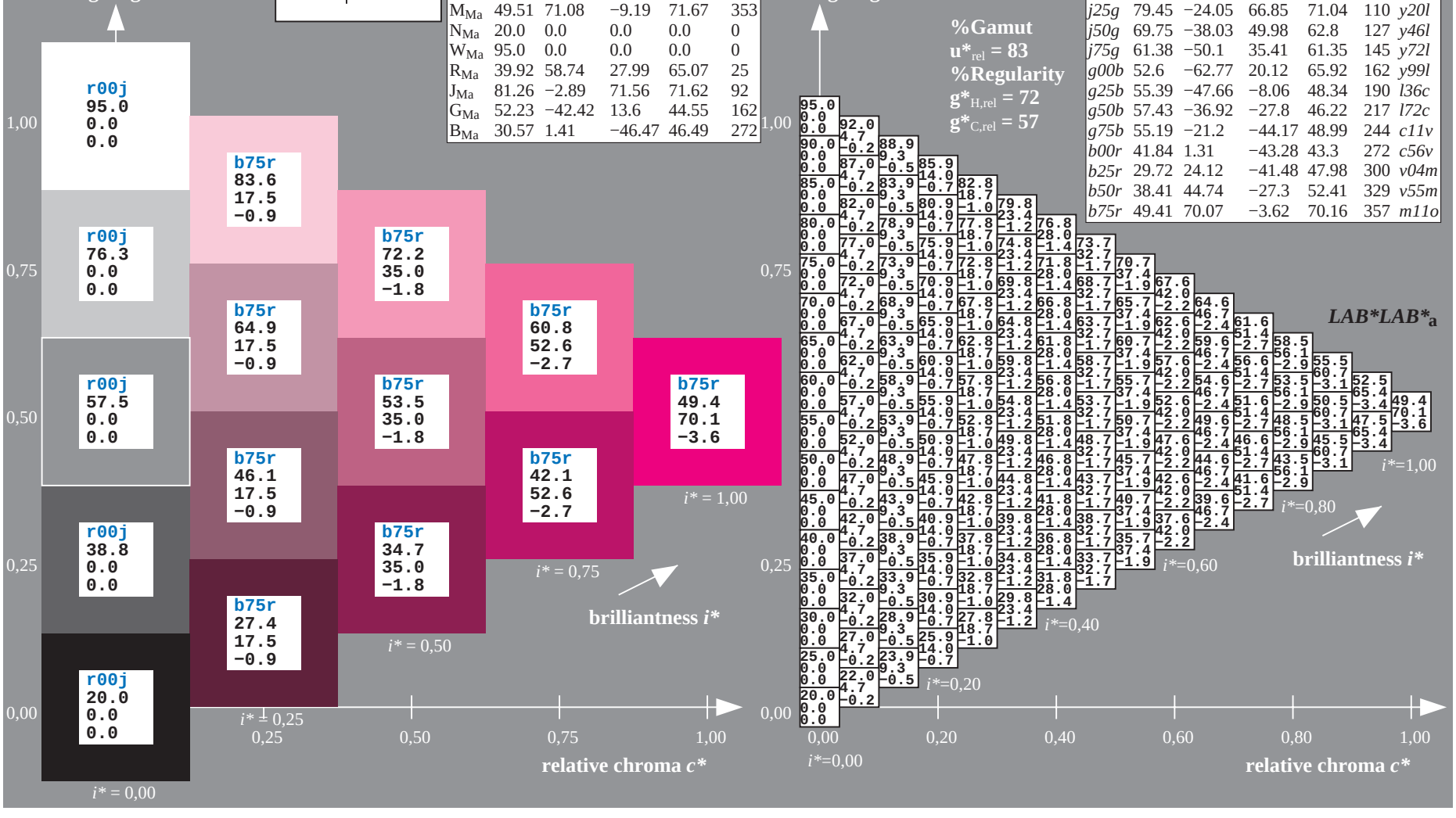
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 70 −4
$LAB^*LCH^*_{Ma}$: 49 70 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.89
triangle lightness *t**

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

$u^*_e = b75r$
$LAB^*LAB^*_a$

ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
01	20.0	24.1	28.1	32.2	36.2	40.3	44.4	48.4	52.5	23.6	28.7	32.2	36.3	40.4	44.5	48.6	52.7	56.8	27.2
	0.0	-7.9	-15.7	-23.6	-31.5	-39.3	-47.2	-55.0	-62.9	7.8	-1.2	-9.9	-17.7	-25.5	-33.3	-41.1	-48.9	-56.7	15.6
	0.0	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	4.7	10.5	12.0	14.6	17.2	19.8	22.3	24.9	27.4	9.5
02	21.1	24.9	29.1	33.2	37.3	41.4	45.5	49.6	53.7	23.7	29.4	33.4	37.5	41.6	45.6	49.7	53.7	57.8	27.3
	2.8	-3.5	-10.8	-18.2	-25.7	-33.3	-41.0	-48.7	-56.5	8.9	0.0	-7.9	-15.7	-23.6	-31.5	-39.3	-47.2	-55.0	16.7
	-5.3	-5.6	-4.0	-2.4	-0.6	1.5	3.6	5.8	8.1	-1.1	0.0	2.5	5.0	7.5	10.0	12.5	15.0	17.5	3.5
03	22.3	25.9	29.8	33.9	38.1	42.3	46.4	50.6	54.7	24.3	30.5	34.3	38.4	42.6	46.7	50.8	54.9	59.0	27.4
	5.7	-0.4	-7.0	-14.5	-21.7	-29.0	-36.4	-43.9	-51.4	10.5	2.8	-3.5	-10.8	-18.2	-25.7	-33.3	-41.0	-48.7	17.8
	-10.6	-10.8	-11.1	-9.3	-8.0	-6.5	-4.8	-3.1	-1.1	-7.3	-5.3	-5.6	-4.0	-2.4	-0.6	1.5	3.6	5.8	-2.3
04	23.4	27.1	30.5	34.7	38.8	43.0	47.2	51.3	55.5	25.4	31.7	35.2	39.2	43.3	47.5	51.6	55.8	59.9	27.7
	8.5	2.3	-3.5	-10.5	-18.1	-25.3	-32.5	-39.8	-47.2	13.3	5.7	-0.4	-7.0	-14.5	-21.7	-29.0	-36.4	-43.9	18.7
	-15.9	-16.2	-16.4	-16.7	-14.6	-13.3	-11.9	-10.5	-8.9	-12.7	-10.6	-10.8	-11.1	-9.3	-8.0	-6.5	-4.8	-3.1	-8.9
05	24.6	28.3	31.7	35.3	39.6	43.7	47.8	52.0	56.2	26.5	32.8	36.5	39.9	44.1	48.2	52.3	56.5	60.7	28.7
	11.4	5.0	-0.7	-6.7	-13.9	-21.6	-28.9	-36.1	-43.4	16.1	8.5	2.3	-3.5	-10.5	-18.1	-25.3	-32.5	-39.8	21.1
	-21.2	-21.5	-21.7	-21.9	-22.2	-20.0	-18.6	-17.3	-15.9	-18.0	-15.9	-16.2	-16.4	-16.7	-14.6	-13.3	-11.9	-10.5	-14.5
06	25.7	29.5	33.0	36.4	40.1	44.5	48.5	52.7	56.9	27.7	33.9	37.7	41.1	44.7	48.9	53.0	57.2	61.4	29.7
	14.2	7.7	1.9	-3.8	-10.0	-17.4	-25.2	-32.5	-39.8	18.9	11.4	5.0	-0.7	-6.7	-13.9	-21.6	-28.9	-36.1	23.8
	-26.5	-26.8	-27.0	-27.2	-27.5	-27.8	-25.5	-23.9	-22.6	-23.3	-21.2	-21.5	-21.7	-21.9	-22.2	-20.0	-18.6	-17.3	-20.0
07	26.9	30.7	34.2	37.6	41.1	44.9	49.4	53.4	57.6	28.8	35.1	38.9	42.4	45.8	49.5	53.8	57.9	62.1	30.8
	17.0	10.5	4.6	-1.1	-7.0	-13.4	-20.9	-28.7	-36.1	21.7	14.2	7.7	1.9	-3.8	-10.0	-17.4	-25.2	-32.5	26.5
	-31.8	-32.1	-32.3	-32.5	-32.8	-33.0	-33.3	-30.9	-29.3	-28.6	-26.5	-26.8	-27.0	-27.2	-27.5	-27.8	-25.5	-23.9	-25.3
08	28.0	31.9	35.5	38.9	42.3	45.8	49.7	54.3	58.3	30.0	36.2	40.1	43.6	47.0	50.5	54.3	58.7	62.8	32.0
	19.9	13.3	7.3	1.5	-4.2	-10.2	-16.8	-24.4	-32.2	24.6	17.0	10.5	4.6	-1.1	-7.0	-13.4	-20.9	-28.7	29.3
	-37.1	-37.4	-37.6	-37.9	-38.1	-38.3	-38.6	-38.9	-36.4	-33.9	-31.8	-32.1	-32.3	-32.5	-32.8	-33.0	-33.3	-30.9	-30.6
09	29.1	33.1	36.7	40.1	43.5	46.9	50.6	54.6	59.1	31.1	37.4	41.3	44.8	48.2	51.6	55.2	59.1	63.6	33.1
	22.7	16.1	10.0	4.2	-1.5	-7.3	-13.4	-20.2	-27.9	27.4	19.9	13.3	7.3	1.5	-4.2	-10.2	-16.8	-24.4	32.1
	-42.4	-42.7	-42.9	-43.2	-43.4	-43.6	-43.9	-44.1	-44.4	-39.2	-37.1	-37.4	-37.6	-37.9	-38.1	-38.3	-38.6	-38.9	-36.0
10	30.8	35.6	40.1	46.0	48.7	52.4	56.5	60.6	64.7	34.4	39.3	43.8	48.5	54.6	57.1	60.7	64.6	68.6	37.9
	23.5	14.8	6.7	-3.7	-13.5	-21.8	-29.8	-37.6	-45.3	31.3	22.4	14.5	6.0	-5.0	-15.1	-23.7	-31.8	-39.7	39.1
	14.2	19.7	24.8	31.5	31.6	33.6	36.0	38.5	41.1	19.0	24.6	29.6	35.0	42.0	41.7	43.3	45.6	48.0	23.7
11	30.9	36.6	41.3	46.7	49.7	53.7	57.8	61.9	66.0	34.5	40.1	45.0	49.5	55.3	58.1	61.8	65.8	69.9	38.0
	24.6	15.6	7.2	-2.5	-11.8	-19.8	-27.6	-35.4	-43.2	32.4	23.5	14.8	6.7	-3.7	-13.5	-21.8	-29.8	-37.6	40.2
	8.1	9.5	14.8	21.0	21.7	24.0	26.6	29.2	31.8	12.8	14.2	19.7	24.8	31.5	31.6	33.6	36.0	38.5	17.5
12	31.0	36.7	42.3	47.4	50.9	55.0	59.1	63.3	67.4	34.6	40.2	45.9	50.6	56.1	59.1	63.1	67.2	71.3	38.1
	25.6	16.7	7.8	-1.2	-9.9	-17.7	-25.5	-33.3	-41.1	33.4	24.6	15.6	7.2	-2.5	-11.8	-19.8	-27.6	-35.4	41.3
	2.5	3.5	4.7	10.5	12.0	14.6	17.2	19.8	22.3	7.1	8.1	9.5	14.8	21.0	21.7	24.0	26.6	29.2	11.7
13	31.1	36.8	42.4	48.1	52.2	56.2	60.3	64.4	68.4	34.7	40.3	46.0	51.7	56.8	60.3	64.4	68.5	72.6	38.2
	26.7	17.8	8.9	0.0	-7.9	-15.7	-23.6	-31.5	-39.3	34.5	25.6	16.7	7.8	-1.2	-9.9	-17.7	-25.5	-33.3	42.3
	-3.4	-2.3	-1.1	0.0	2.5	5.0	7.5	10.0	12.5	1.4	2.5	3.5	4.7	10.5	12.0	14.6	17.2	19.8	6.0
14	31.2	37.1	43.1	49.3	53.0	57.2	61.3	65.5	69.6	34.8	40.4	46.1	51.8	57.5	61.6	65.6	69.7	73.7	38.3
	27.1	18.7	10.5	2.8	-3.5	-10.8	-18.2	-25.7	-33.3	35.5	26.7	17.8	8.9	0.0	-7.9	-15.7	-23.6	-31.5	43.3
	-10.4	-8.9	-7.3	-5.3	-5.6	-4.0	-2.4	-0.6	1.5	-4.6	-3.4	-2.3	-1.1	0.0	2.5	5.0	7.5	10.0	0.3
15	32.0	38.0	44.2	50.4	54.0	57.9	62.0	66.2	70.4	34.8	40.6	46.5	52.5	58.6	62.4	66.6	70.7	74.8	38.4
	29.1	21.1	13.3	5.7	-0.4	-7.0	-14.5	-21.7	-29.0	35.7	27.1	18.7	10.5	2.8	-3.5	-10.8	-18.2	-25.7	44.4
	-16.3	-14.5	-12.7	-10.6	-10.8	-11.1	-9.3	-8.0	-6.5	-11.8	-10.4	-8.9	-7.3	-5.3	-5.6	-4.0	-2.4	-0.6	-5.7
16	33.0	39.1	45.3	51.6	55.2	58.7	62.8	66.9	71.1	35.4	41.4	47.4	53.5	59.8	63.4	67.3	71.4	75.6	38.3
	31.6	23.8	16.1	8.5	2.3	-3.5	-10.5	-18.1	-25.3	37.4	29.1	21.1	13.3	5.7	-0.4	-7.0	-14.5	-21.7	44.3
	-21.8	-20.0	-18.0	-15.9	-16.2	-16.4	-16.7	-14.6	-13.3	-17.8	-16.3	-14.5	-12.7	-10.6	-10.8	-11.1	-9.3	-8.0	-13.1
17	34.1	40.2	46.4	52.7	56.5	59.9	63.4	67.7	71.8	36.3	42.4	48.5	54.7	60.9	64.6	68.0	72.2	76.3	38.9
	34.3	26.5	18.9	11.4	5.0	-0.7	-6.7	-13.9	-21.6	39.6	31.6	23.8	16.1	8.5	2.3	-3.5	-10.5	-18.1	45.7
	-27.2	-25.3	-23.3	-21.2	-21.5	-21.7	-21.9	-22.2	-20.0	-23.5	-21.8	-20.0	-18.0	-15.9	-16.2	-16.4	-16.7	-14.6	-19.4
18	35.1	41.3	47.6	53.8	57.7	61.1	64.5	68.2	72.6	37.3	43.4	49.6	55.8	62.1	65.8	69.2	72.8	77.1	39.7
	37.0	29.3	21.7	14.2	7.7	1.9	-3.8	-10.0	-17.4	42.2	34.3	26.5	18.9	11.4	5.0	-0.7	-6.7	-13.9	47.8
	-32.6	-30.6	-28.6	-26.5	-26.8	-27.0	-27.2	-27.5	-27.8	-29.1	-27.2	-25.3	-23.3	-21.2	-21.5	-21.7	-21.9	-22.2	-25.2
19	41.5	46.6	51.2	55.6	60.3	65.5	71.9	74.1	77.4	45.1	50.3	54.9	59.4	63.8	68.6	74.1	80.6	82.7	48.7
	46.9	37.8	29.6	21.7	13.4	4.1	-7.4	-18.0	-27.0	54.7	45.5	37.2	29.3	21.3	12.7	3.0	-8.7	-19.4	62.6
	28.4	34.2	39.4	44.4	49.7	55.6	62.9	62.2	63.2	33.2	39.0	44.3	49.3	54.4	59.9	66.0	73.4	72.5	37.9
20	41.6	47.3	52.3	56.9	61.4	66.4	72.7	75.0	78.4	45.2	50.9	56.0	60.6	65.0	69.7	74.9	81.3	83.5	48.8
	48.0	39.1	30.1	22.1	14.0	5.1	-6.2	-16.6	-25.4	55.9	46.9	37.8	29.6	21.7	13.4	4.1	-7.4	-18.0	63.7
	22.2	23.7	29.4	34.5	39.6	45.3	52.4	51.9	53.2	26.9	28.4	34.2	39.4	44.4	49.7	55.6	62.9	62.2	31.6
21	41.7	47.4	53.1	58.1	62.5	67.3	73.4	75.9	79.4	45.3	51.0	56.7	61.7	66.2	70.7	75.7	82.0	84.4	48.9
	49.1	40.2	31.3	22.4	14.5	6.0	-5.0	-15.1	-23.7	57.0	48.0	39.1	30.1	22.1	14.0	5.1	-6.2	-16.6	64.8
	16.3	17.5	19.0	24.6	29.6	35.0	42.0	41.7	43.3	20.9	22.2	23.7	29.4	34.5	39.6	45.3	52.4	51.9	25.6
22	41.8	47.5	53.2	58.9	63.7	68.3	74.1	76.8	80.6	45.4	51.1	56.8	62.5	67.4	71.9	76.6	82.7	85.2	49.0
	50.1	41.3	32.4	23.5	14.8	6.7	-3.7	-13.5	-21.8	58.0	49.1	40.2	31.3	22.4	14.5	6.0	-5.0	-15.1	65.8
	10.6	11.7	12.8	14.2	19.7	24.8	31.5	31.6	33.6	15.2	16.3	17.5	19.0	24.6	29.6	35.0	42.0	41.7	19.8
23	41.9	47.6	53.3	59.0	64.7	69.4	74.8	77.8	81.8	45.5	51.2	56.9	62.6	68.3	73.1	77.6	83.5	86.2	49.1
	51.2	42.3	33.4	24.6	15.6	7.2	-2.5	-11.8	-19.8	59.0	50.1	41.3	32.4	23.5	14.8	6.7	-3.7	-13.5	66.9
	4.9	6.0	7.1	8.1	9.5	14.8	21.0	21.7	24.0	9.5	10.6	11.7	12.8	14.2	19.7	24.8	31.5	31.6	14.1
24	42.0	47.7	53.4	59.1	64.8	70.5	75.5	79.0	83.1	45.6	51.3	57.0	62.7	68.4	74.1	78.8	84.2	87.2	49.2
	52.2	43.3	34.5	25.6	16.7	7.8	-1.2	-9.9	-17.7	60.0	51.2	42.3	33.4	24.6	15.6	7.2	-2.5	-11.8	67.9
	-0.9	0.3	1.4	2.5	3.5	4.7	10.5	12.0	14.6	3.8	4.9	6.0	7.1	8.1	9.5	14.8	21.0	21.7	8.5
25	42.1	47.8	53.5	59.2	64.9	70.6	76.3	80.3	84.4	45.7	51.4	57.1	62.8	68.5	74.2	79.8	84.9	88.4	49.3
	53.3	44.4	35.5	26.7	17.8	8.9	0.0	-7.9	-15.7	61.1	52.2	43.3	34.5	25.6	16.7	7.8	-1.2	-9.9	68.9
	-6.9	-5.7	-4.6	-3.4	-2.3	-1.1	0.0	2.5	5.0	-2.0	-0.9	0.3	1.4	2.5	3.5	4.7	10.5	12.0	2.7
26	42.0	47.7	53.5	59.3	65.2	71.2	77.4	81.1	85.3	45.8	51.5	57.2	62.9	68.6	74.3	79.9	85.6	89.7	49.4
	53.0	44.3	35.7	27.1	18.7	10.5	2.8	-3.5	-10.8	62.2	53.3	44.4	35.5	26.7	17.8	8.9	0.0	-7.9	70.0
	-14.4	-13.1	-11.8	-10.4	-8.9	-7.3	-5.3	-5.6	-4.0	-8.0	-6.9	-5.7	-4.6	-3.4	-2.3	-1.1	0.0	2.5	-3.1
27	42.4	48.3	54.2	60.1	66.2	72.3	78.5	82.1	86.0	45.6	51.3	57.1	62.9	68.7	74.6	80.6	86.8	90.5	49.5
	54.2	45.7	37.4	29.1	21.1	13.3	5.7	-0.4	-7.0	61.8	53.0	44.3	35.7	27.1	18.7	10.5	2.8	-3.5	71.1
	-20.8	-19.4	-17.8	-16.3	-14.5	-12.7	-10.6	-10.8	-11.1	-15.6	-14.4	-13.1	-11.8	-10.4	-8.9	-7.3	-5.3	-5.6	-9.2

	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	*LAB*LAB*a*		
01	31.9	37.3	40.3	44.3	48.4	52.5	56.7	60.8	95.0	89.2	83.4	77.6	71.9	66.1	60.3	54.5	48.7	20.0	20.0	20.0	20.0
	7.2	-2.5	-11.8	-19.8	-27.6	-35.4	-43.2	-51.0	0.0	7.8	15.6	23.5	31.3	39.1	46.9	54.7	62.6	0.0	0.0	0.0	0.0
	14.8	21.0	21.7	24.0	26.6	29.2	31.8	34.4	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	33.0	38.0	41.5	45.6	49.8	53.9	58.0	62.1	90.5	85.6	79.8	74.1	68.3	62.5	56.7	50.9	45.1	29.4	29.4	29.4	29.4
	7.8	-1.2	-9.9	-17.7	-25.5	-33.3	-41.1	-48.9	-3.5	0.0	7.8	15.6	23.5	31.3	39.1	46.9	54.7	0.0	0.0	0.0	0.0
	4.7	10.5	12.0	14.6	17.2	19.8	22.3	24.9	-5.6	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	33.1	38.8	42.8	46.9	50.9	55.0	59.1	63.1	86.0	81.1	76.3	70.5	64.7	58.9	53.1	47.3	41.5	38.8	38.8	38.8	38.8
	8.9	0.0	-7.9	-15.7	-23.6	-31.5	-39.3	-47.2	-7.0	-3.5	0.0	7.8	15.6	23.5	31.3	39.1	46.9	0.0	0.0	0.0	0.0
	-1.1	0.0	2.5	5.0	7.5	10.0	12.5	15.0	-11.1	-5.6	0.0	4.7	9.5	14.2	19.0	23.7	28.4	0.0	0.0	0.0	0.0
04	33.7	39.9	43.6	47.8	52.0	56.1	60.2	64.3	81.6	76.7	71.8	66.9	61.1	55.3	49.5	43.7	37.9	48.1	48.1	48.1	48.1
	10.5	2.8	-3.5	-10.8	-18.2	-25.7	-33.3	-41.0	-10.5	-7.0	-3.5	0.0	7.8	15.6	23.5	31.3	39.1	0.0	0.0	0.0	0.0
	-7.3	-5.3	-5.6	-4.0	-2.4	-0.6	1.5	3.6	-16.7	-11.1	-5.6	0.0	4.7	9.5	14.2	19.0	23.7	0.0	0.0	0.0	0.0
05	34.8	41.0	44.6	48.5	52.7	56.9	61.0	65.2	77.1	72.2	67.3	62.4	57.5	51.7	45.9	40.1	34.4	57.5	57.5	57.5	57.5
	13.3	5.7	-0.4	-7.0	-14.5	-21.7	-29.0	-36.4	-13.9	-10.5	-7.0	-3.5	0.0	7.8	15.6	23.5	31.3	0.0	0.0	0.0	0.0
	-12.7	-10.6	-10.8	-11.1	-9.3	-8.0	-6.5	-4.8	-22.2	-16.7	-11.1	-5.6	0.0	4.7	9.5	14.2	19.0	0.0	0.0	0.0	0.0
06	35.9	42.2	45.9	49.3	53.4	57.5	61.7	65.9	72.6	67.7	62.8	57.9	53.0	48.1	42.3	36.6	30.8	66.9	66.9	66.9	66.9
	16.1	8.5	2.3	-3.5	-10.5	-18.1	-25.3	-32.5	-17.4	-13.9	-10.5	-7.0	-3.5	0.0	7.8	15.6	23.5	0.0	0.0	0.0	0.0
	-18.0	-15.9	-16.2	-16.4	-16.7	-14.6	-13.3	-11.9	-27.8	-22.2	-16.7	-11.1	-5.6	0.0	4.7	9.5	14.2	0.0	0.0	0.0	0.0
07	37.1	43.3	47.1	50.5	54.0	58.3	62.4	66.6	68.1	63.2	58.3	53.4	48.5	43.6	38.8	33.0	27.2	76.3	76.3	76.3	76.3
	18.9	11.4	5.0	-0.7	-6.7	-13.9	-21.6	-28.9	-20.9	-17.4	-13.9	-10.5	-7.0	-3.5	0.0	7.8	15.6	0.0	0.0	0.0	0.0
	-23.3	-21.2	-21.5	-21.7	-21.9	-22.2	-20.0	-18.6	-33.3	-27.8	-22.2	-16.7	-11.1	-5.6	0.0	4.7	9.5	0.0	0.0	0.0	0.0
08	38.2	44.5	48.3	51.7	55.2	58.8	63.2	67.3	63.6	58.7	53.8	48.9	44.1	39.2	34.3	29.4	23.6	85.6	85.6	85.6	85.6
	21.7	14.2	7.7	1.9	-3.8	-10.0	-17.4	-25.2	-24.4	-20.9	-17.4	-13.9	-10.5	-7.0	-3.5	0.0	7.8	0.0	0.0	0.0	0.0
	-28.6	-26.5	-26.8	-27.0	-27.2	-27.5	-27.8	-25.5	-38.9	-33.3	-27.8	-22.2	-16.7	-11.1	-5.6	0.0	4.7	0.0	0.0	0.0	0.0
09	39.3	45.6	49.5	53.0	56.4	59.8	63.6	68.1	59.1	54.3	49.4	44.5	39.6	34.7	29.8	24.9	20.0	95.0	95.0	95.0	95.0
	24.6	17.0	10.5	4.6	-1.1	-7.0	-13.4	-20.9	-27.9	-24.4	-20.9	-17.4	-13.9	-10.5	-7.0	-3.5	0.0	0.0	0.0	0.0	0.0
	-33.9	-31.8	-32.1	-32.3	-32.5	-32.8	-33.0	-33.3	-44.4	-38.9	-33.3	-27.8	-22.2	-16.7	-11.1	-5.6	0.0	0.0	0.0	0.0	0.0
10	43.0	47.5	52.0	57.0	63.3	65.6	69.0	72.8	95.0	94.3	93.6	92.8	92.1	91.4	90.7	90.0	89.3	20.0	20.0	20.0	20.0
	30.1	22.1	14.0	5.1	-6.2	-16.6	-25.4	-33.7	0.0	-1.2	-2.5	-3.7	-5.0	-6.2	-7.4	-8.7	-9.9	0.0	0.0	0.0	0.0
	29.4	34.5	39.6	45.3	52.4	51.9	53.2	55.2	0.0	10.5	21.0	31.5	42.0	52.4	62.9	73.4	83.9	0.0	0.0	0.0	0.0
11	43.7	48.7	53.1	57.9	64.0	66.5	70.1	74.0	86.8	85.6	84.9	84.2	83.5	82.7	82.0	81.3	80.6	25.0	25.0	25.0	25.0
	31.3	22.4	14.5	6.0	-5.0	-15.1	-23.7	-31.8	2.8	0.0	-1.2	-2.5	-3.7	-5.0	-6.2	-7.4	-8.7	0.0	0.0	0.0	0.0
	19.0	24.6	29.6	35.0	42.0	41.7	43.3	45.6	-5.3	0.0	10.5	21.0	31.5	42.0	52.4	62.9	73.4	0.0	0.0	0.0	0.0
12	43.8	49.5	54.4	58.9	64.7	67.4	71.2	75.2	78.5	77.4	76.3	75.5	74.8	74.1	73.4	72.7	71.9	30.0	30.0	30.0	30.0
	32.4	23.5	14.8	6.7	-3.7	-13.5	-21.8	-29.8	5.7	2.8	0.0	-1.2	-2.5	-3.7	-5.0	-6.2	-7.4	0.0	0.0	0.0	0.0
	12.8	14.2	19.7	24.8	31.5	31.6	33.6	36.0	-10.6	-5.3	0.0	10.5	21.0	31.5	42.0	52.4	62.9	0.0	0.0	0.0	0.0
13	43.9	49.6	55.3	60.0	65.4	68.5	72.4	76.5	70.3	69.2	68.0	66.9	66.2	65.4	64.7	64.0	63.3	35.0	35.0	35.0	35.0
	33.4	24.6	15.6	7.2	-2.5	-11.8	-19.8	-27.6	8.5	5.7	2.8	0.0	-1.2	-2.5	-3.7	-5.0	-6.2	0.0	0.0	0.0	0.0
	7.1	8.1	9.5	14.8	21.0	21.7	24.0	26.6	-15.9	-10.6	-5.3	0.0	10.5	21.0	31.5	42.0	52.4	0.0	0.0	0.0	0.0
14	44.0	49.7	55.4	61.1	66.2	69.7	73.8	77.9	62.1	60.9	59.8	58.6	57.5	56.8	56.1	55.3	54.6	40.0	40.0	40.0	40.0
	34.5	25.6	16.7	7.8	-1.2	-9.9	-17.7	-25.5	11.4	8.5	5.7	2.8	0.0	-1.2	-2.5	-3.7	-5.0	0.0	0.0	0.0	0.0
	1.4	2.5	3.5	4.7	10.5	12.0	14.6	17.2	-21.2	-15.9	-10.6	-5.3	0.0	10.5	21.0	31.5	42.0	0.0	0.0	0.0	0.0
15	44.1	49.8	55.5	61.2	66.9	70.9	75.0	79.1	53.8	52.7	51.6	50.4	49.3	48.1	47.4	46.7	46.0	45.0	45.0	45.0	45.0
	35.5	26.7	17.8	8.9	0.0	-7.9	-15.7	-23.6	14.2	11.4	8.5	5.7	2.8	0.0	-1.2	-2.5	-3.7	0.0	0.0	0.0	0.0
	-4.6	-3.4	-2.3	-1.1	0.0	2.5	5.0	7.5	-26.5	-21.2	-15.9	-10.6	-5.3	0.0	10.5	21.0	31.5	0.0	0.0	0.0	0.0
16	44.1	49.9	55.8	61.8	68.0	71.8	75.9	80.1	45.6	44.5	43.3	42.2	41.0	39.9	38.8	38.0	37.3	50.0	50.0	50.0	50.0
	35.7	27.1	18.7	10.5	2.8	-3.5	-10.8	-18.2	17.0	14.2	11.4	8.5	5.7	2.8	0.0	-1.2	-2.5	0.0	0.0	0.0	0.0
	-11.8	-10.4	-8.9	-7.3	-5.3	-5.6	-4.0	-2.4	-31.8	-26.5	-21.2	-15.9	-10.6	-5.3	0.0	10.5	21.0	0.0	0.0	0.0	0.0
17	44.8	50.8	56.8	62.9	69.2	72.7	76.7	80.8	37.4	36.2	35.1	33.9	32.8	31.7	30.5	29.4	28.7	55.0	55.0	55.0	55.0
	37.4	29.1	21.1	13.3	5.7	-0.4	-7.0	-14.5	19.9	17.0	14.2	11.4	8.5	5.7	2.8	0.0	-1.2	0.0	0.0	0.0	0.0
	-17.8	-16.3	-14.5	-12.7	-10.6	-10.8	-11.1	-9.3	-37.1	-31.8	-26.5	-21.2	-15.9	-10.6	-5.3	0.0	10.5	0.0	0.0	0.0	0.0
18	45.7	51.7	57.9	64.0	70.3	74.0	77.4	81.6	29.1	28.0	26.9	25.7	24.6	23.4	22.3	21.1	20.0	60.0	60.0	60.0	60.0
	39.6	31.6	23.8	16.1	8.5	2.3	-3.5	-10.5	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
	-23.5	-21.8	-20.0	-18.0	-15.9	-16.2	-16.4	-16.7	-42.4	-37.1	-31.8	-26.5	-21.2	-15.9	-10.6	-5.3	0.0	0.0	0.0	0.0	0.0
19	53.9	58.6	63.1	67.5	72.1	77.0	82.6	89.3	95.0	89.7	84.4	79.1	73.7	68.4	63.1	57.8	52.5	65.0	65.0	65.0	65.0
	53.3	44.9	36.9	28.9	20.7	11.9	1.9	-9.9	0.0	-7.9	-15.7	-23.6	-31.5	-39.3	-47.2	-55.0	-62.9	0.0	0.0	0.0	0.0
	43.8	49.1	54.2	59.3	64.5	70.1	76.4	83.9	0.0	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	0.0	0.0	0.0	0.0
20	54.5	59.6	64.3	68.7	73.2	78.0	83.4	90.0	89.3	85.6	80.3	75.0	69.7	64.4	59.1	53.7	48.4	70.0	70.0	70.0	70.0
	54.7	45.5	37.2	29.3	21.3	12.7	3.0	-8.7	8.9	0.0	-7.9	-15.7	-23.6	-31.5	-39.3	-47.2	-55.0	0.0	0.0	0.0	0.0
	33.2	39.0	44.3	49.3	54.4	59.9	66.0	73.4	-1.1	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	54.6	60.3	65.4	70.0	74.4	79.0	84.3	90.7	83.6	79.9	76.3	70.9	65.6	60.3	55.0	49.7	44.4	75.0	75.0	75.0	75.0
	55.9	46.9	37.8	29.6	21.7	13.4	4.1	-7.4	17.8	8.9	0.0	-7.9	-15.7	-23.6	-31.5	-39.3	-47.2	0.0	0.0	0.0	0.0
	26.9	28.4	34.2	39.4	44.4	49.7	55.6	62.9	-2.3	-1.1	0.0	2.5	5.0	7.5	10.0	12.5	15.0	0.0	0.0	0.0	0.0
22	54.7	60.4	66.1	71.1	75.6	80.1	85.1	91.4	77.9	74.3	70.6	66.9	61.6	56.2	50.9	45.6	40.3	80.0	80.0	80.0	80.0
	57.0	48.0	39.1	30.1	22.1	14.0	5.1	-6.2	26.7	17.8	8.9	0.0	-7.9	-15.7	-23.6	-31.5	-39.3	0.0	0.0	0.0	0.0
	20.9	22.2	23.7	29.4	34.5	39.6	45.3	52.4	-3.4	-2.3	-1.1	0.0	2.5	5.0	7.5	10.0	12.5	0.0	0.0	0.0	0.0
23	54.8	60.5	66.2	71.9	76.8	81.3	86.0	92.1	72.3	68.6	64.9	61.2	57.5	52.2	46.9	41.6	36.2	85.0	85.0	85.0	85.0
	58.0	49.1	40.2	31.3	22.4	14.5	6.0	-5.0	35.5	26.7	17.8	8.9	0.0	-7.9	-15.7	-23.6	-31.5	0.0	0.0	0.0	0.0
	15.2	16.3	17.5	19.0	24.6	29.6	35.0	42.0	-4.6	-3.4	-2.3	-1.1	0.0	2.5	5.0	7.5	10.0	0.0	0.0	0.0	0.0
24	54.9	60.6	66.3	72.0	77.6	82.5	87.0	92.8	66.6	62.9	59.2	55.5	51.8	48.1	42.8	37.5	32.2	90.0	90.0	90.0	90.0
	59.0	50.1	41.3	32.4	23.5	14.8	6.7	-3.7	44.4	35.5	26.7	17.8	8.9	0.0	-7.9	-15.7	-23.6	0.0	0.0	0.0	0.0
	9.5	10.6	11.7	12.8	14.2	19.7	24.8	31.5	-5.7	-4.6	-3.4	-2.3	-1.1	0.0	2.5	5.0	7.5	0.0	0.0	0.0	0.0
25	55.0	60.7	66.4	72.1	77.7	83.4	88.1	93.6	60.9	57.2	53.5	49.8	46.1	42.4	38.8	33.4	28.1	95.0	95.0	95.0	95.0
	60.0	51.2	42.3	33.4	24.6	15.6	7.2	-2.5	53.3	44.4	35.5	26.7	17.8	8.9	0.0	-7.9	-15.7	0.0	0.0	0.0	0.0
	3.8	4.9	6.0	7.1	8.1	9.5	14.8	21.0	-6.9	-5.7	-4.6	-3.4	-2.3	-1.1	0.0	2.5	5.0	0.0	0.0	0.0	0.0
26	55.1	60.8	66.5	72.2	77.8	83.5	89.2	94.3	55.2	51.5	47.8	44.1	40.4	36.8	33.1	29.4	24.1	20.0	48.7	89.3	52.5
	61.1	52.2	43.3	34.5	25.6	16.7	7.8	-1.2	62.2	53.3	44.4	35.5	26.7	17.8	8.9	0.0	-7.9	0.0	62.6	-9.9	-62.9
	-2.0	-0.9	0.3	1.4	2.5	3.5	4.7	10.5	-8.0	-6.9	-5.7	-4.6	-3.4	-2.3	-1.1	0.0	2.5	0.0	37.9	83.9	20.0
27	55.2	60.9	66.6	72.3	77.9	83.6	89.3	95.0	49.5	45.8	42.1	38.4	34.8	31.1	27.4	23.7	20.0	95.0	59.1	29.1	49.5
	62.2	53.3	44.4	35.5	26.7	17.8	8.9	0.0	71.1	62.2	53.3	44.4	35.5	26.7	17.8	8.9	0.0	0.0	-27.9	22.7	71.1
	-8.0	-6.9	-5.7	-4.6	-3.4	-2.3	-1.1	0.0	-9.2	-8.0	-6.9	-5.7	-4.6	-3.4	-2.3	-1.1	0.0	0.0	-44.4	-42.4	-9.2

See for similar files: http://www.ps.bam.de/Ee13/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

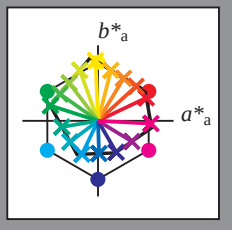
BAM registration: 20081001-Ee13/10L/L13E00NP.PS/ .PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

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

Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 0.96

ORS20_95a; adapted (a) CIELAB data

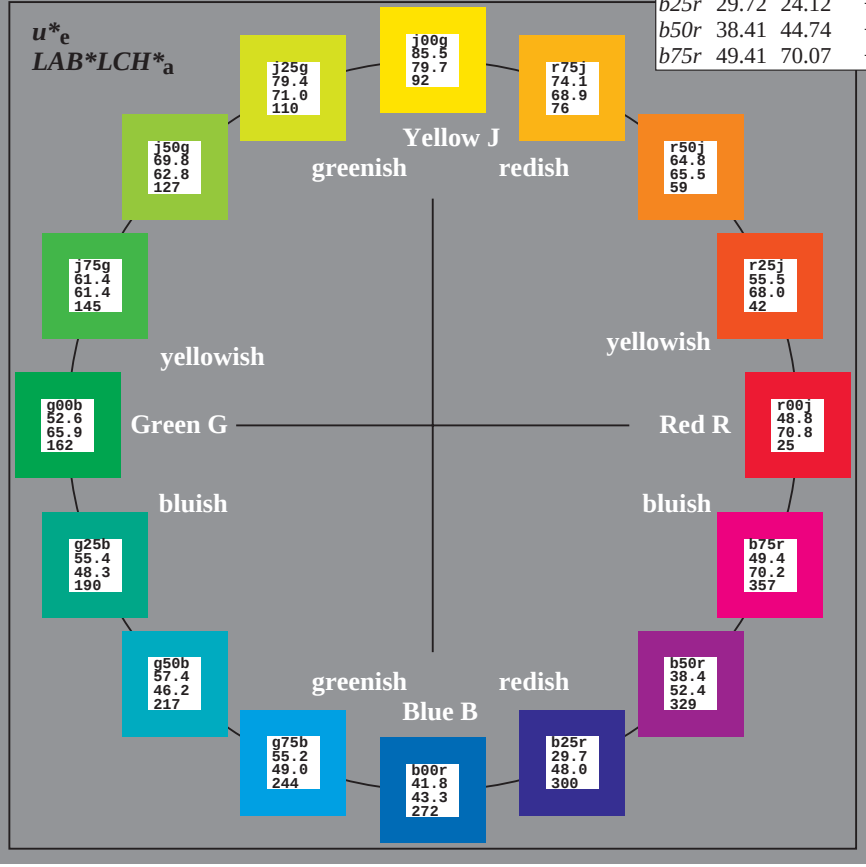
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*

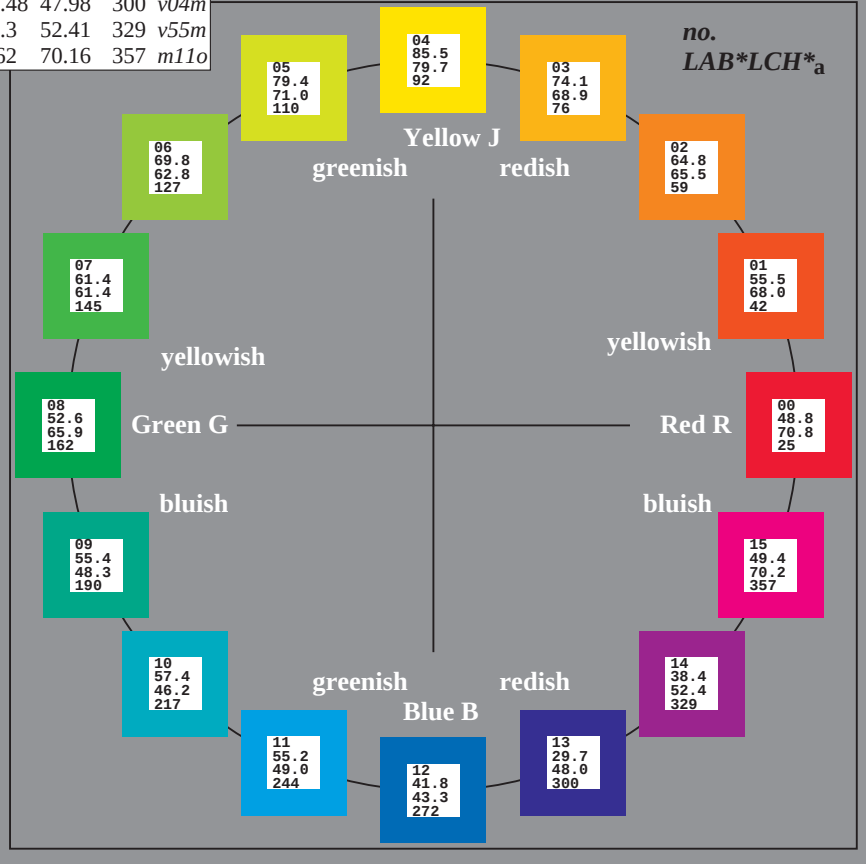


%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

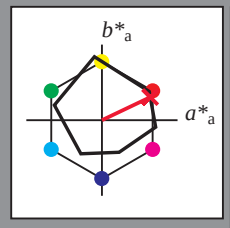
Name	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r00j* u^*_d = *m84o*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

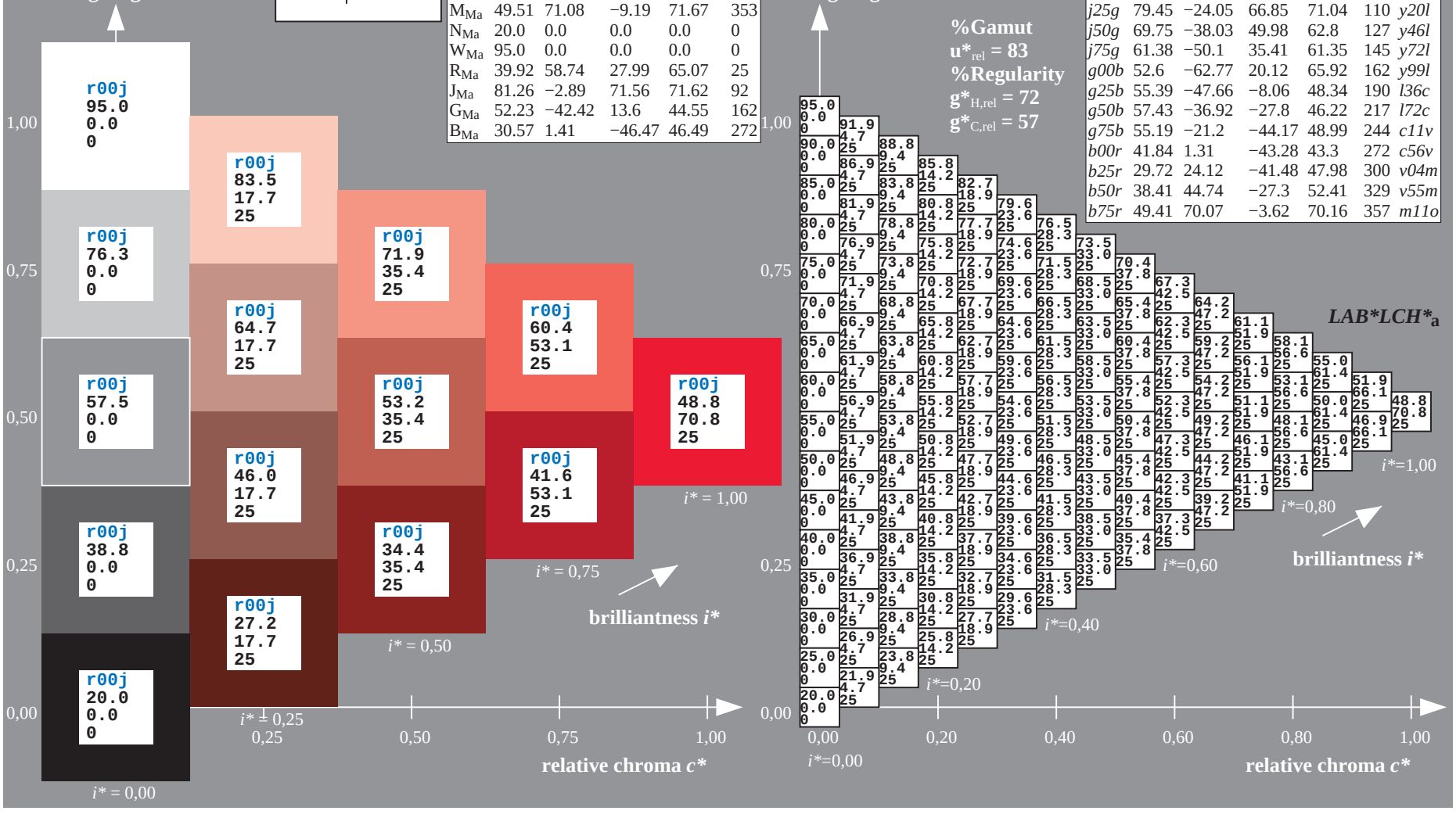
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 49 64 30
*LAB*LCH**$_{Ma}$: 49 71 25
*lab*rgb**$_{Ma}$: 1.0 0.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.0 0.15
triangle lightness *t**

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

u^*_e = *r00j*
*LAB*LCH**$_a$

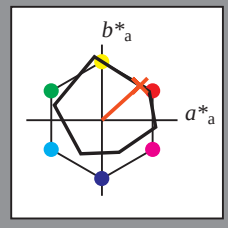
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r25j* u^*_d = *o17y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

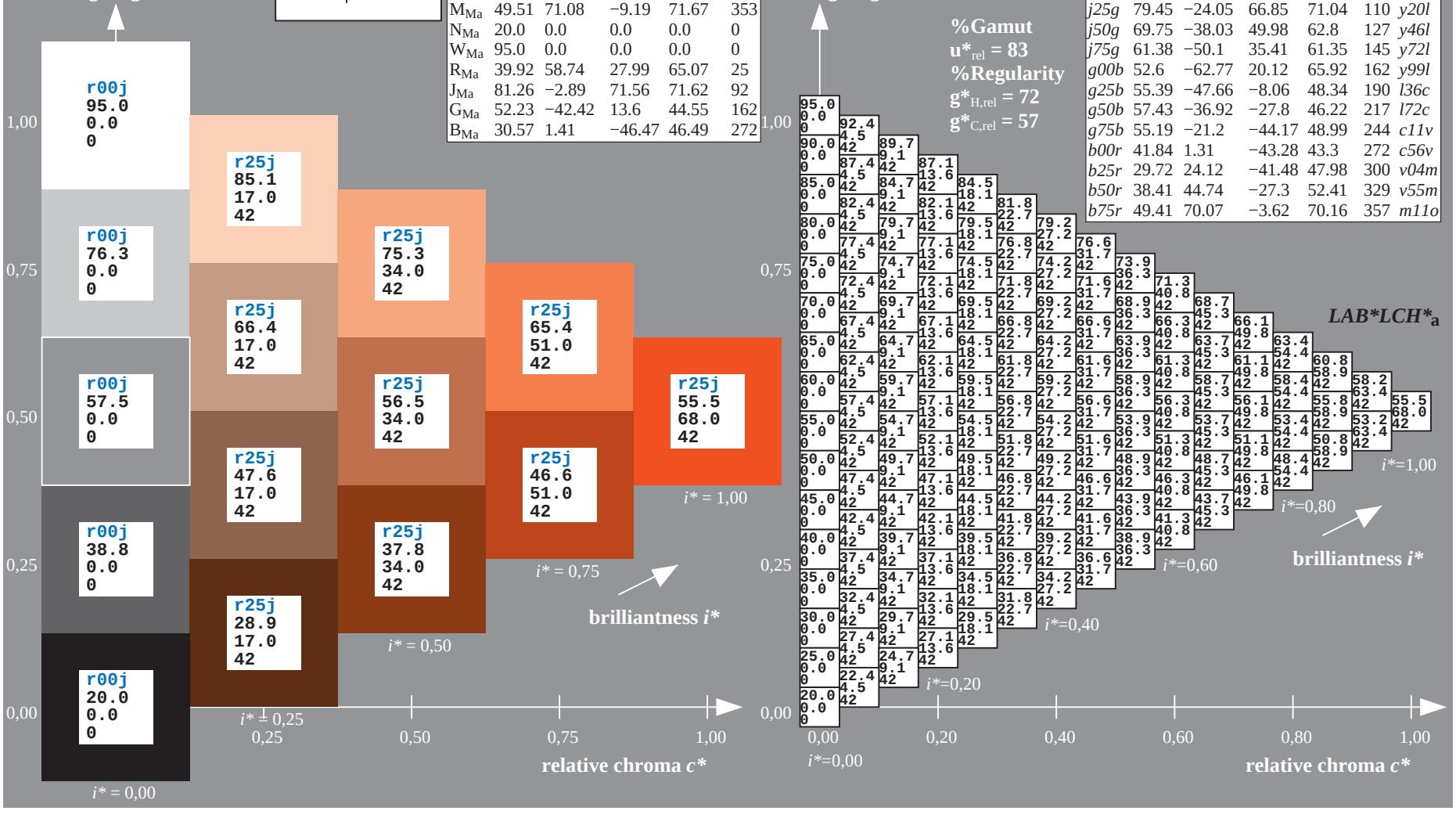
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 56 50 46
*LAB*LCH**$_{Ma}$: 56 68 42
*lab*rgb**$_{Ma}$: 1.0 0.25 0.0
*lab*olv**$_{Ma}$: 1.0 0.17 0.0
triangle lightness *t**

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

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

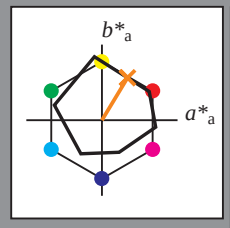
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r50j* u^*_d = *o42y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

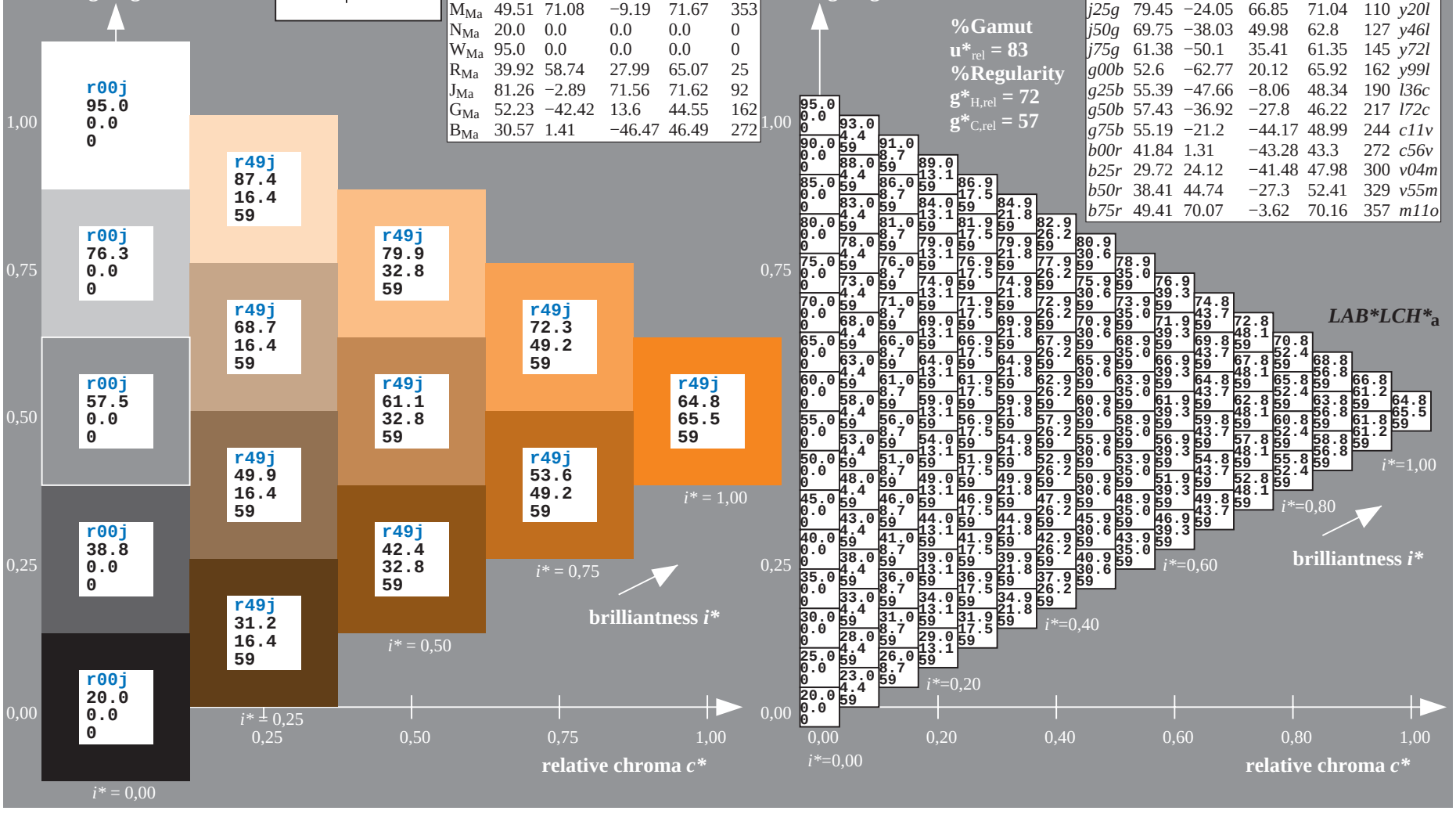
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 65 34 56
*LAB*LCH**$_{Ma}$: 65 66 58
*lab*rgb**$_{Ma}$: 1.0 0.5 0.0
*lab*olv**$_{Ma}$: 1.0 0.42 0.0
triangle lightness *t**

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

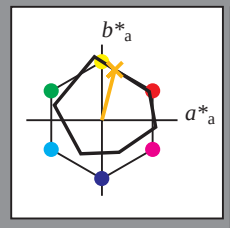
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r75j* u^*_d = *o67y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

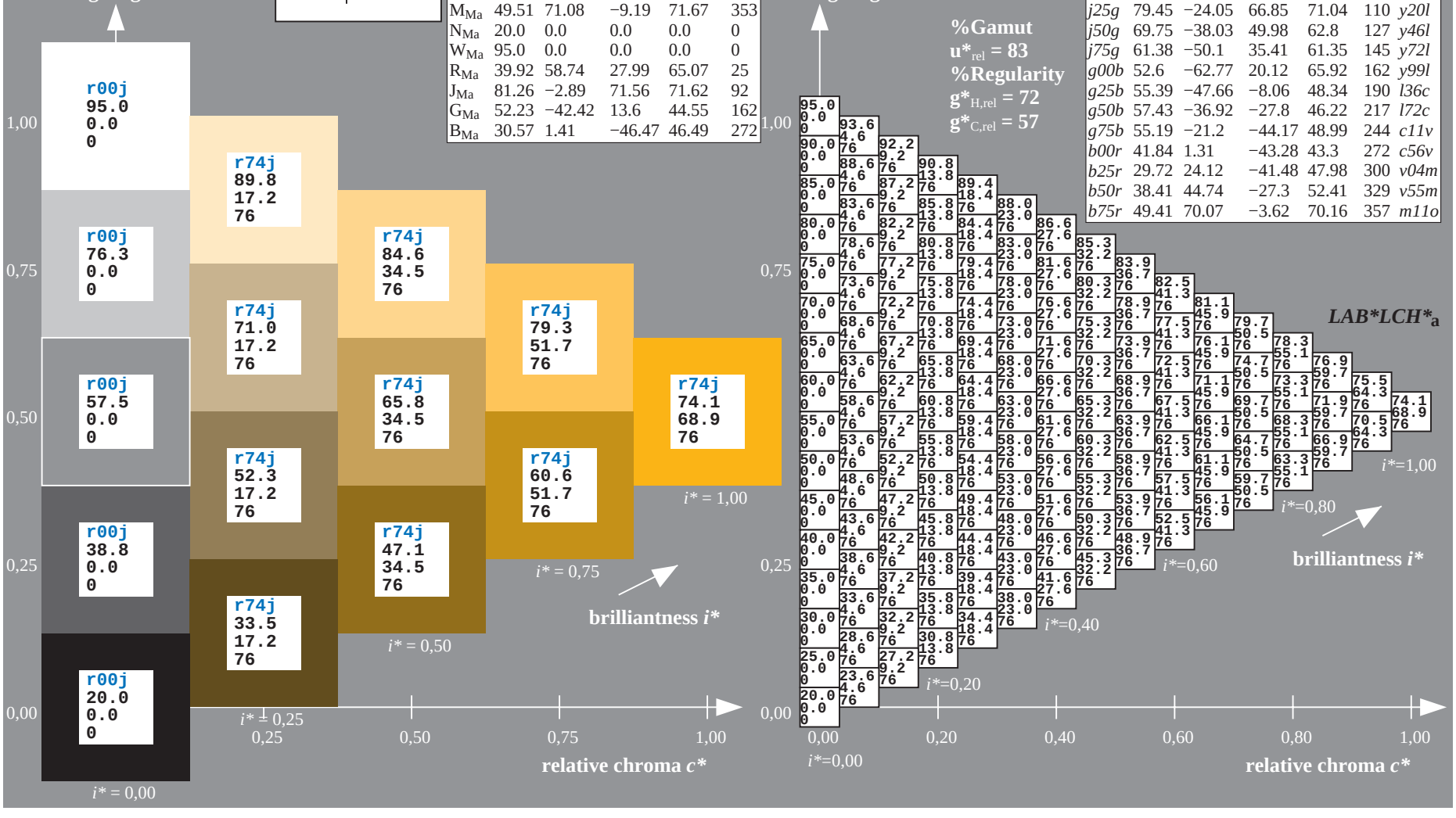
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 74 17 67**
LAB*LCH*$_{Ma}$**: 74 69 75**
lab*rgb*$_{Ma}$**: 1.0 0.75 0.0**
lab*olv*$_{Ma}$**: 1.0 0.68 0.0**
triangle lightness *t**

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

u*e = r75j
LAB*LCH*a

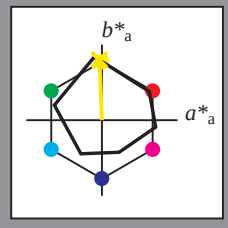
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *j00g* u^*_d = *o92y*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

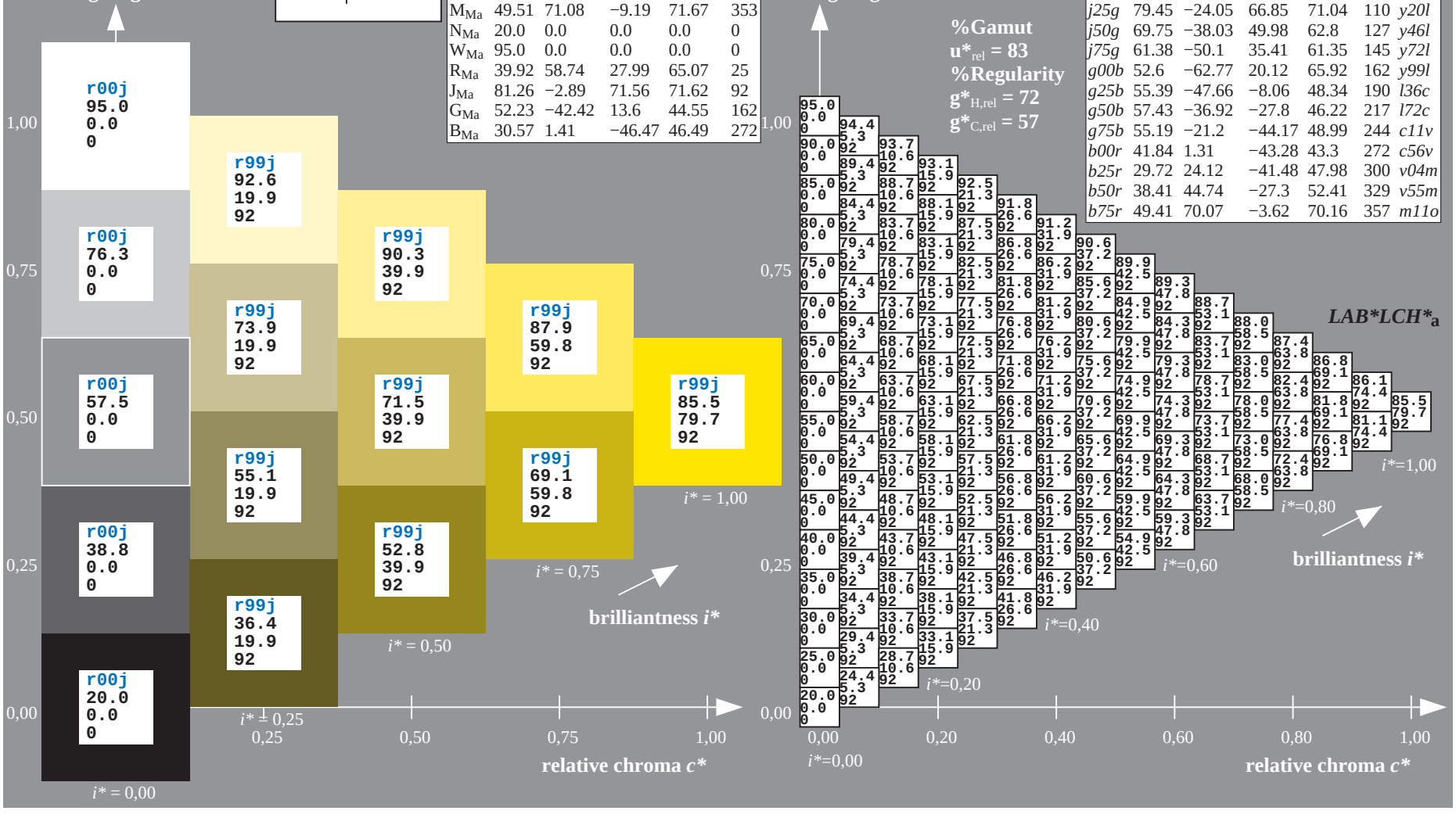
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 86 −3 80
*LAB*LCH**$_{Ma}$: 86 80 92
*lab*rgb**$_{Ma}$: 1.0 1.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.93 0.0
triangle lightness *t**

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

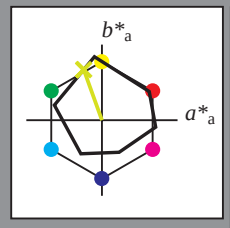
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
$u^*_e = j25g$ $u^*_d = y20l$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

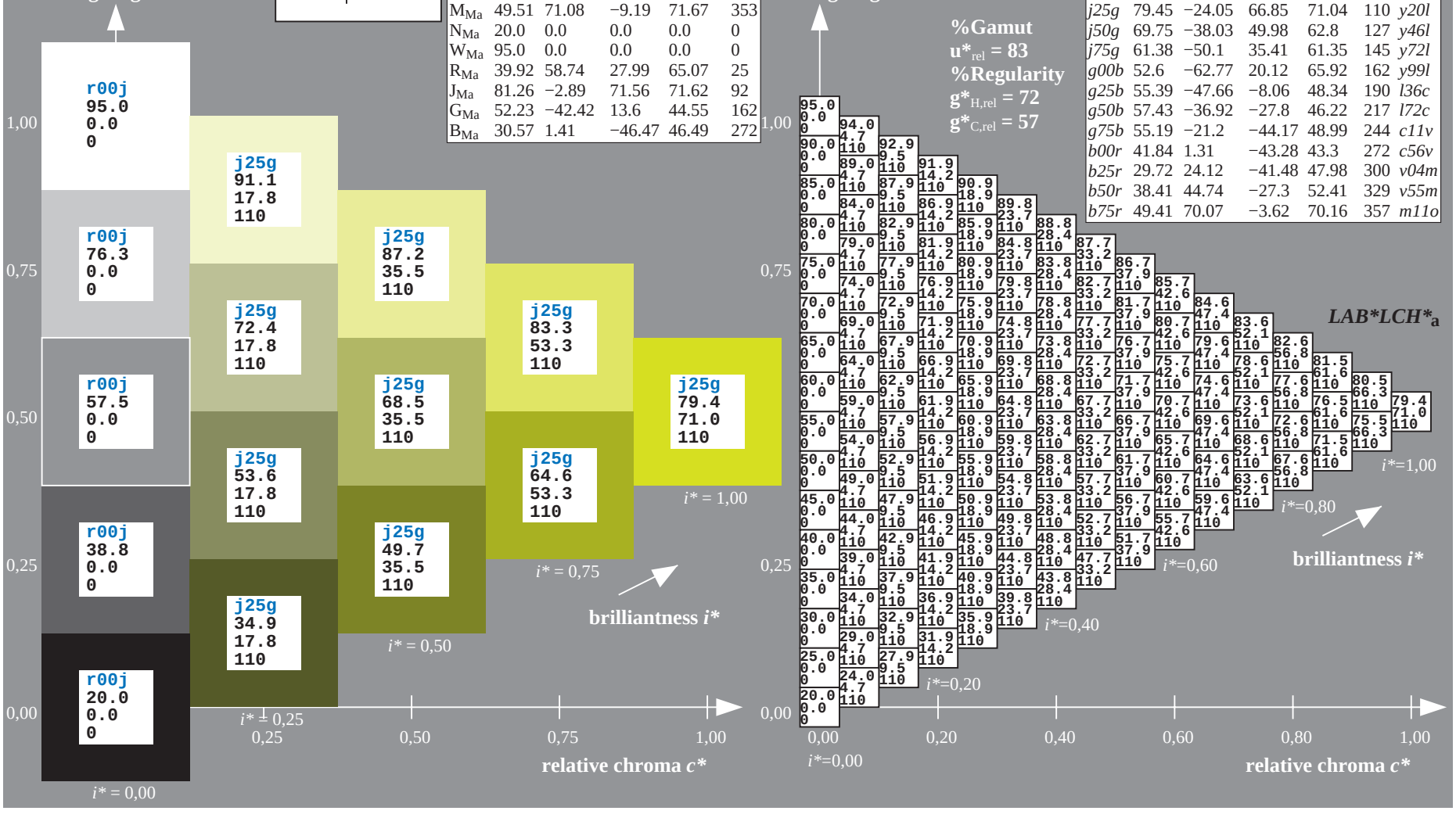
Data for maximum colour (Ma):
***LAB*LAB**Ma: 79 −24 67**
***LAB*LCH**Ma: 79 71 109**
***lab*rgb**Ma: 0.75 1.0 0.0**
***lab*olv**Ma: 0.8 1.0 0.0**
triangle lightness *t**

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

$u^*_e = j25g$
***LAB*LCH**a**

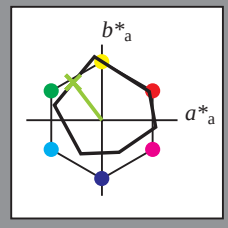
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *j50g* u^*_d = *y46l*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

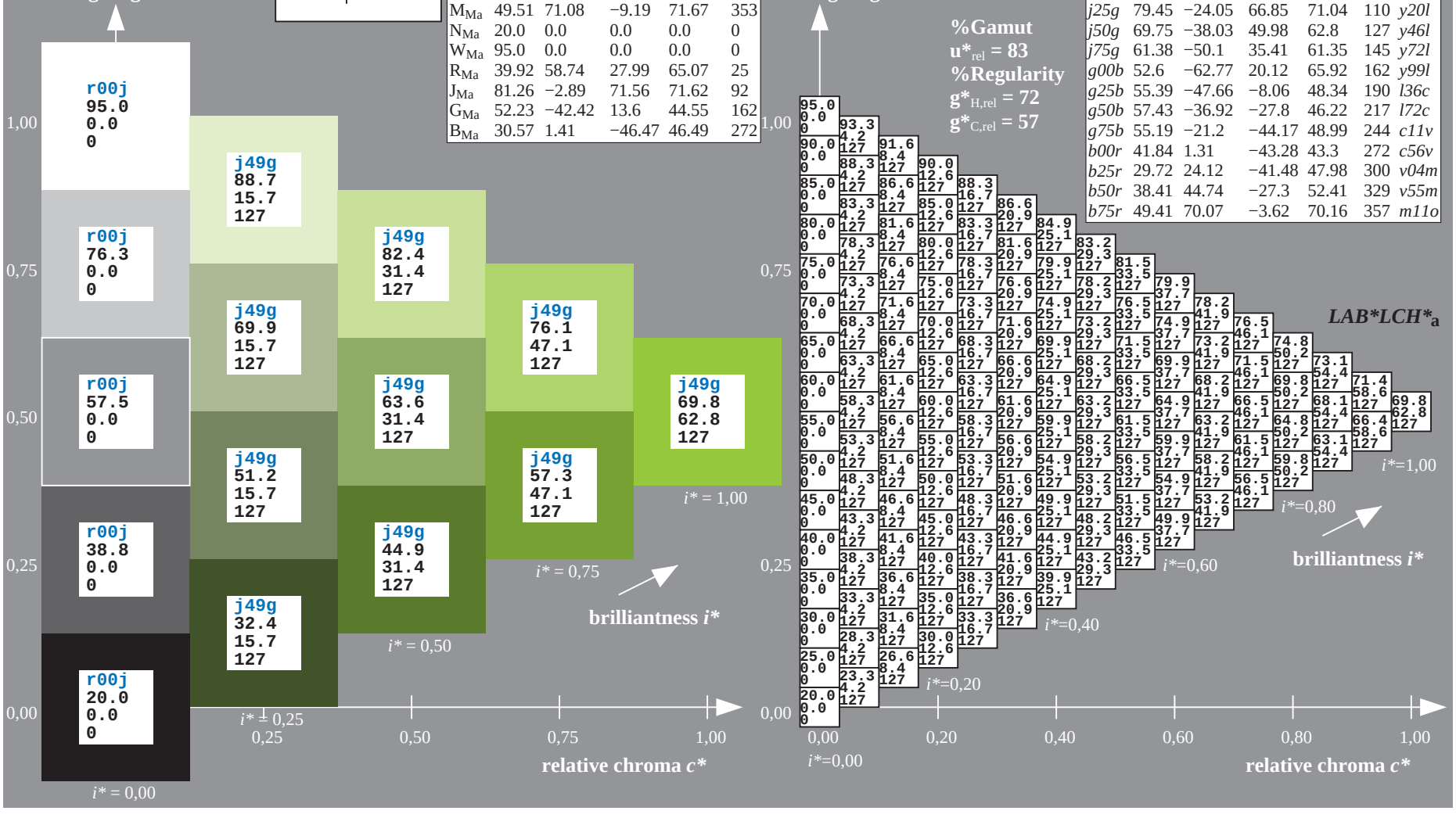
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 70 −38 50
*LAB*LCH**$_{Ma}$: 70 63 127
*lab*rgb**$_{Ma}$: 0.5 1.0 0.0
*lab*olv**$_{Ma}$: 0.54 1.0 0.0
triangle lightness *t**

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

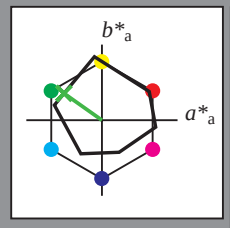
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = j75g$ $u^*_d = y72l$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

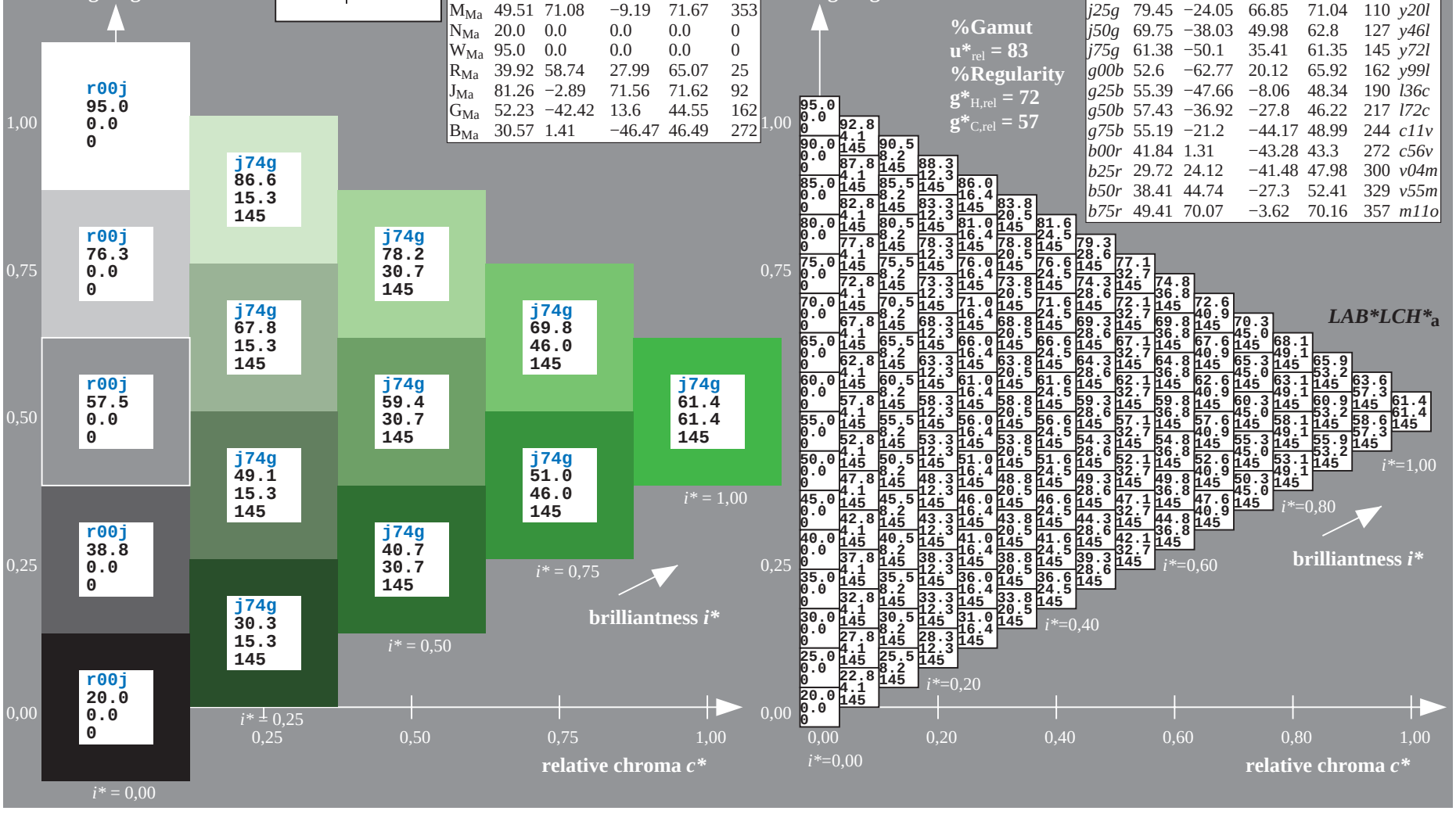
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 61 −50 35
$LAB^*LCH^*_{Ma}$: 61 61 144
$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0
$lab^*olv^*_{Ma}$: 0.27 1.0 0.0
triangle lightness *t**

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

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

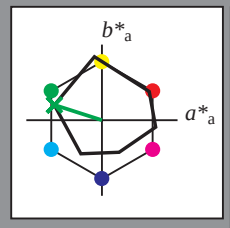
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
$u^*_e = g00b$ $u^*_d = y99l$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

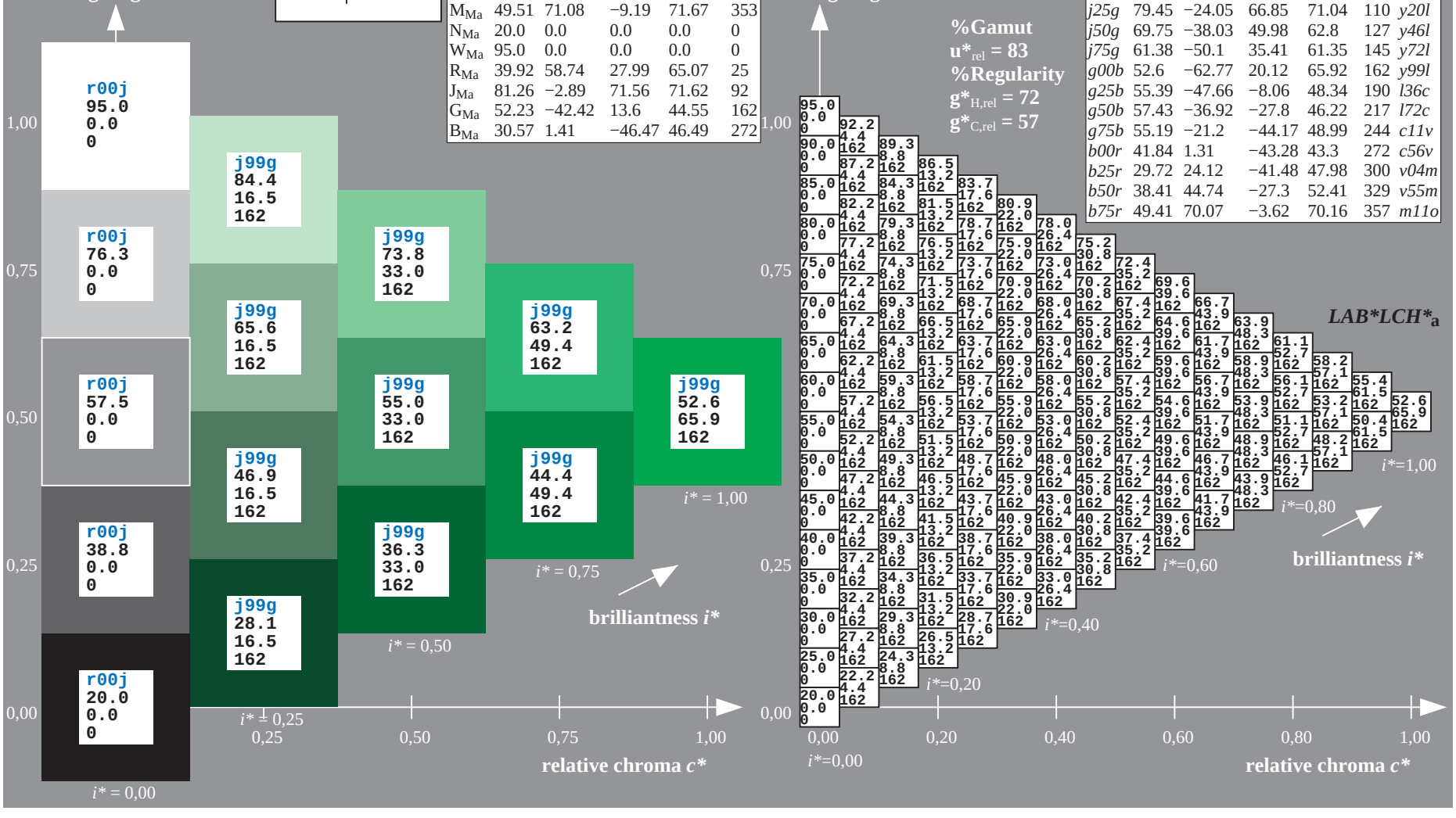
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 53 −63 20
*LAB*LCH**$_{Ma}$: 53 66 162
*lab*rgb**$_{Ma}$: 0.0 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.0
triangle lightness *t**

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

$u^*_e = g00b$
LAB*LCH*$_a$

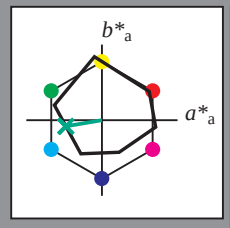
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
$u^*_e = g25b$ $u^*_d = l36c$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

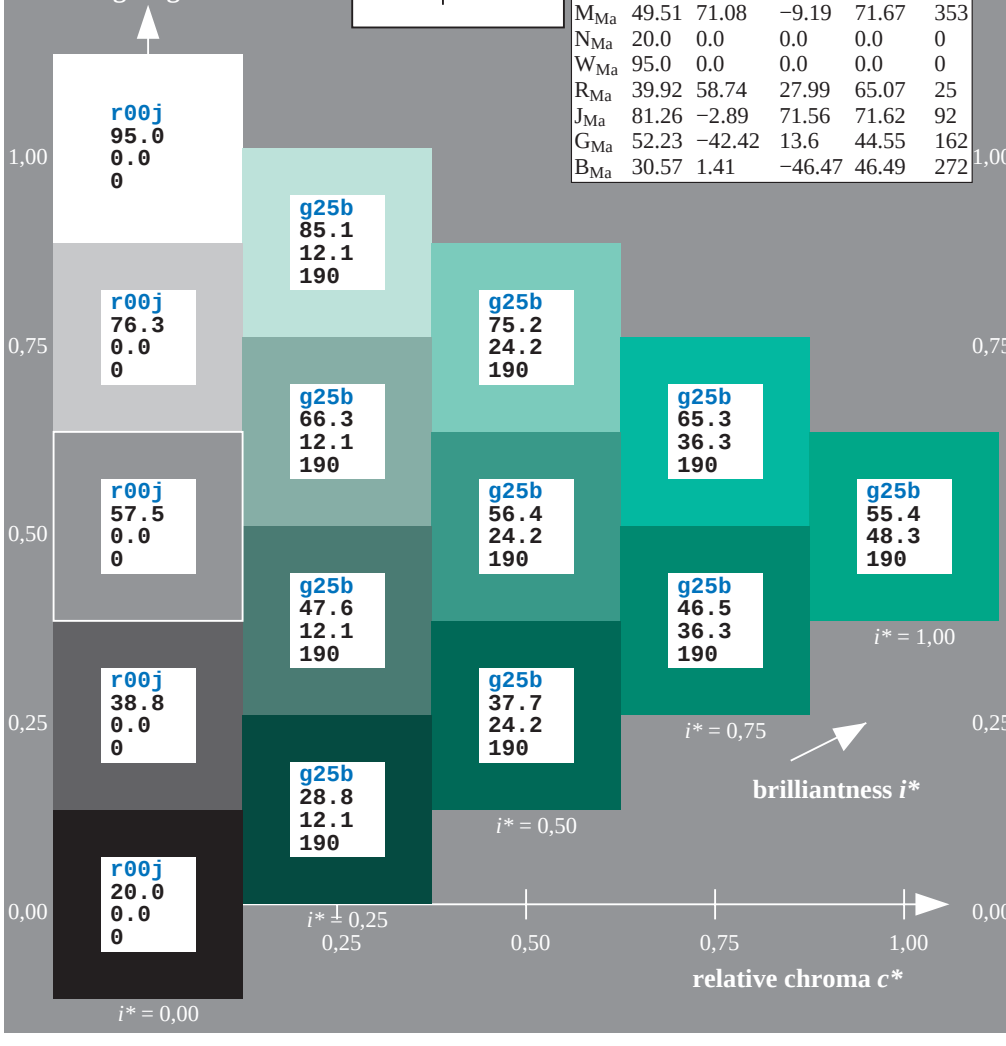
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 −48 −8
$LAB^*LCH^*_{Ma}$: 55 48 189
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*olv^*_{Ma}$: 0.0 1.0 0.36
triangle lightness *t**

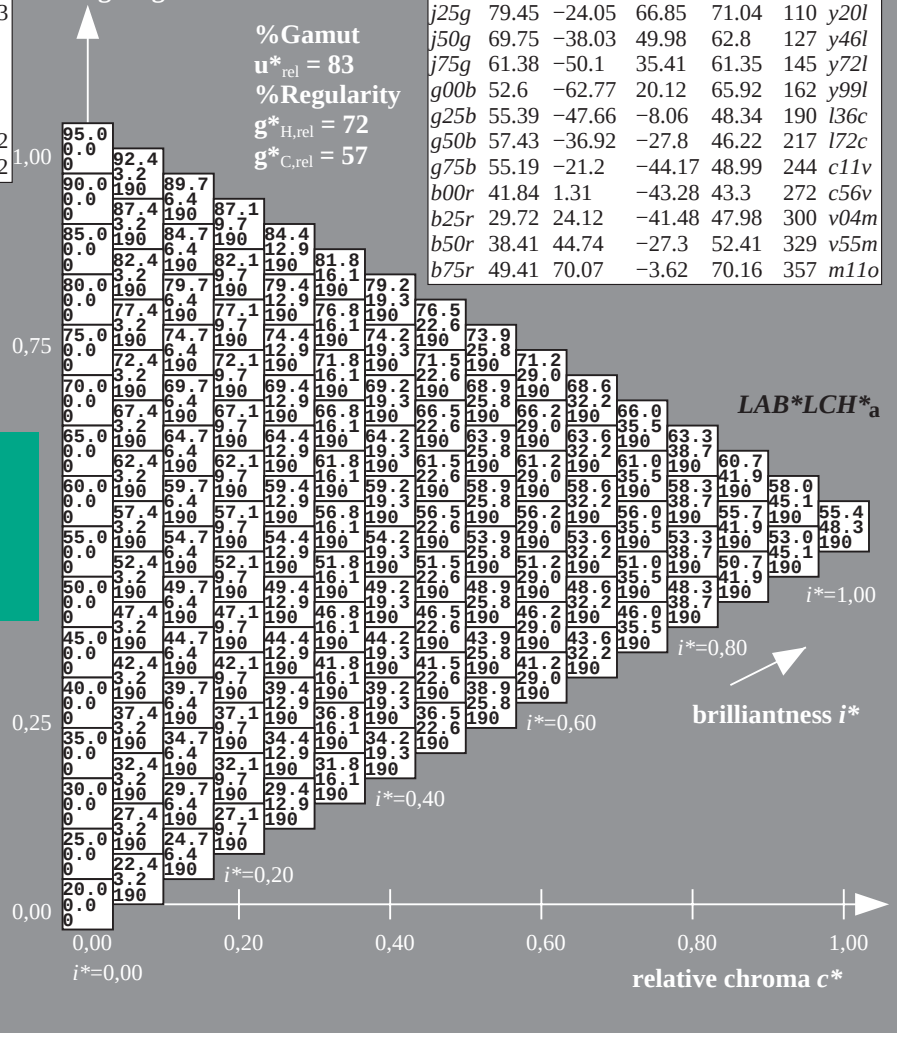
%Gamut
$u^*_{rel} = 83$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

$u^*_e = g25b$
$LAB^*LCH^*_a$

ORS20_95a; adapted (a) CIELAB data

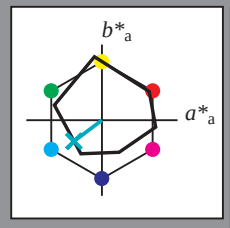
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
$u^*_e = g50b$ $u^*_d = l72c$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

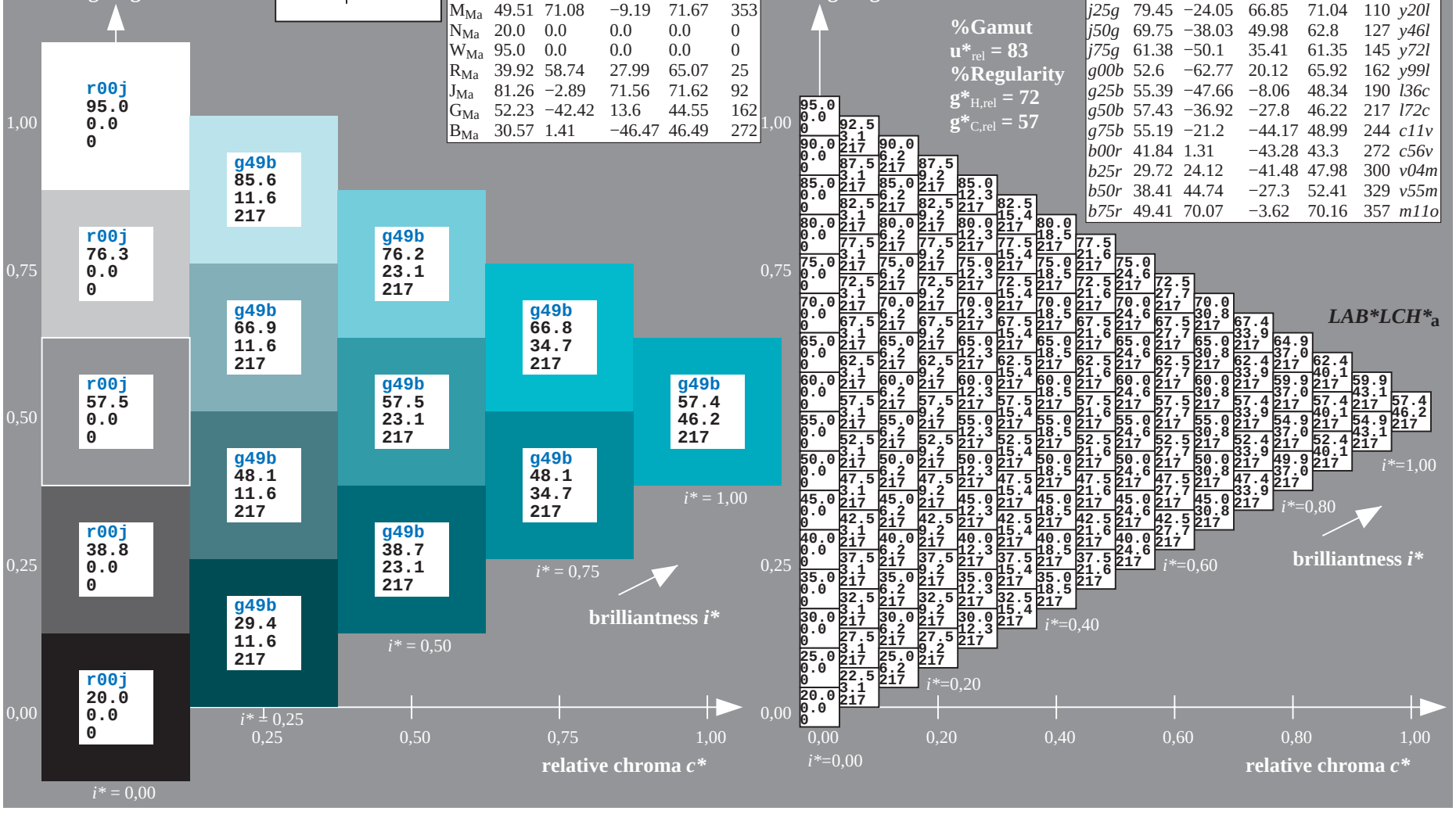
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 57 −37 −28
$LAB^*LCH^*_{Ma}$: 57 46 216
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.72
triangle lightness *t**

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

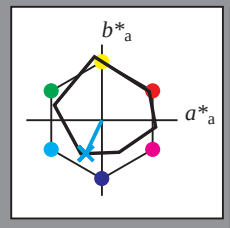
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
$u^*_e = g75b$ $u^*_d = c11v$
contrast reduction factor:
$c_R = 0.96$
triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

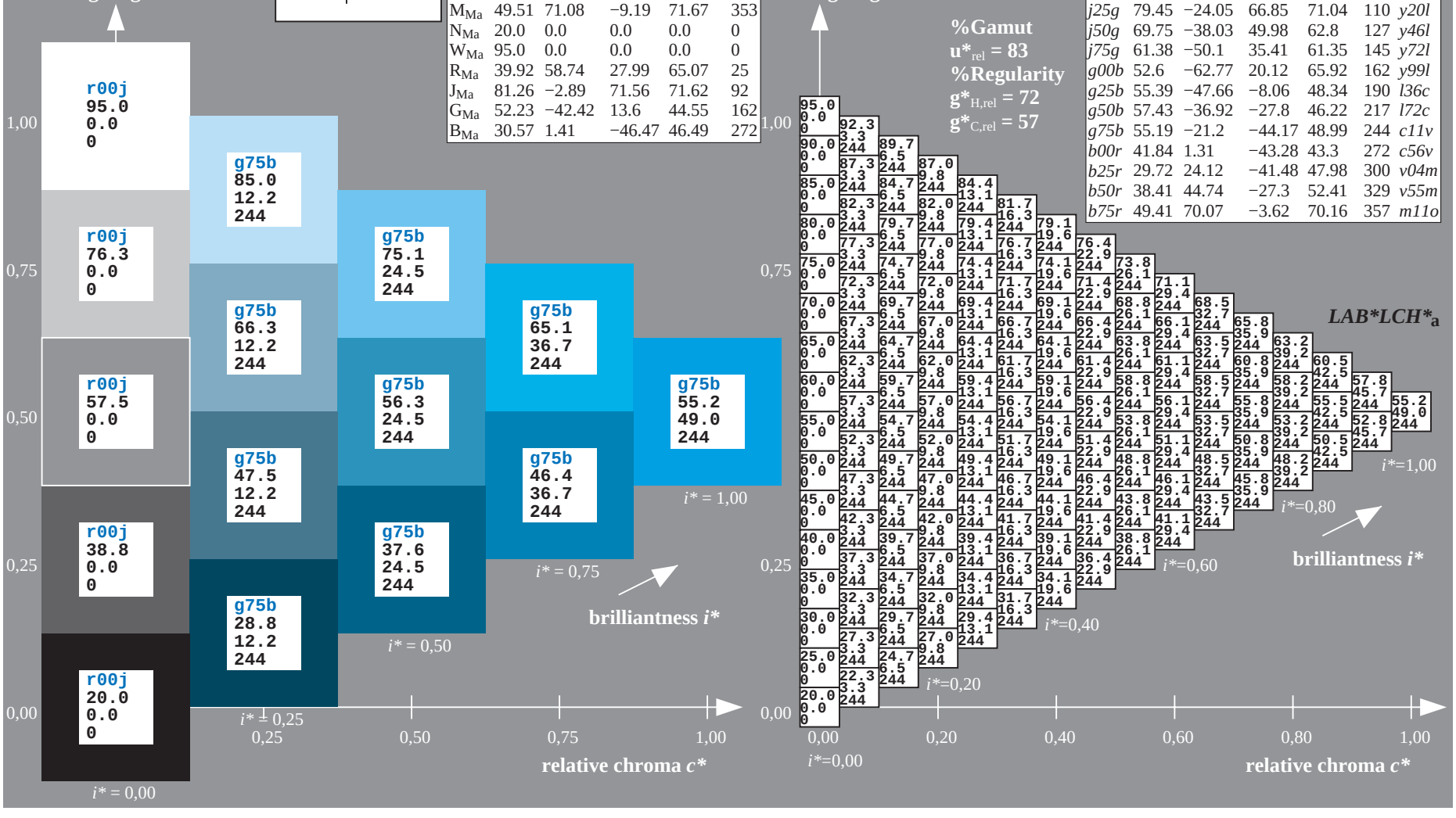
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 −21 −44
$LAB^*LCH^*_{Ma}$: 55 49 244
$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0
$lab^*olv^*_{Ma}$: 0.0 0.89 1.0
triangle lightness t^*

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

$u^*_e = g75b$
$LAB^*LCH^*_a$

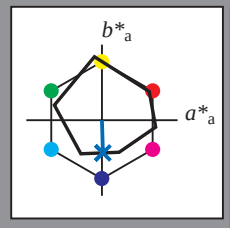
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *b00r* u^*_d = *c56v*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t



ORS20_95a; adapted (a) CIELAB data

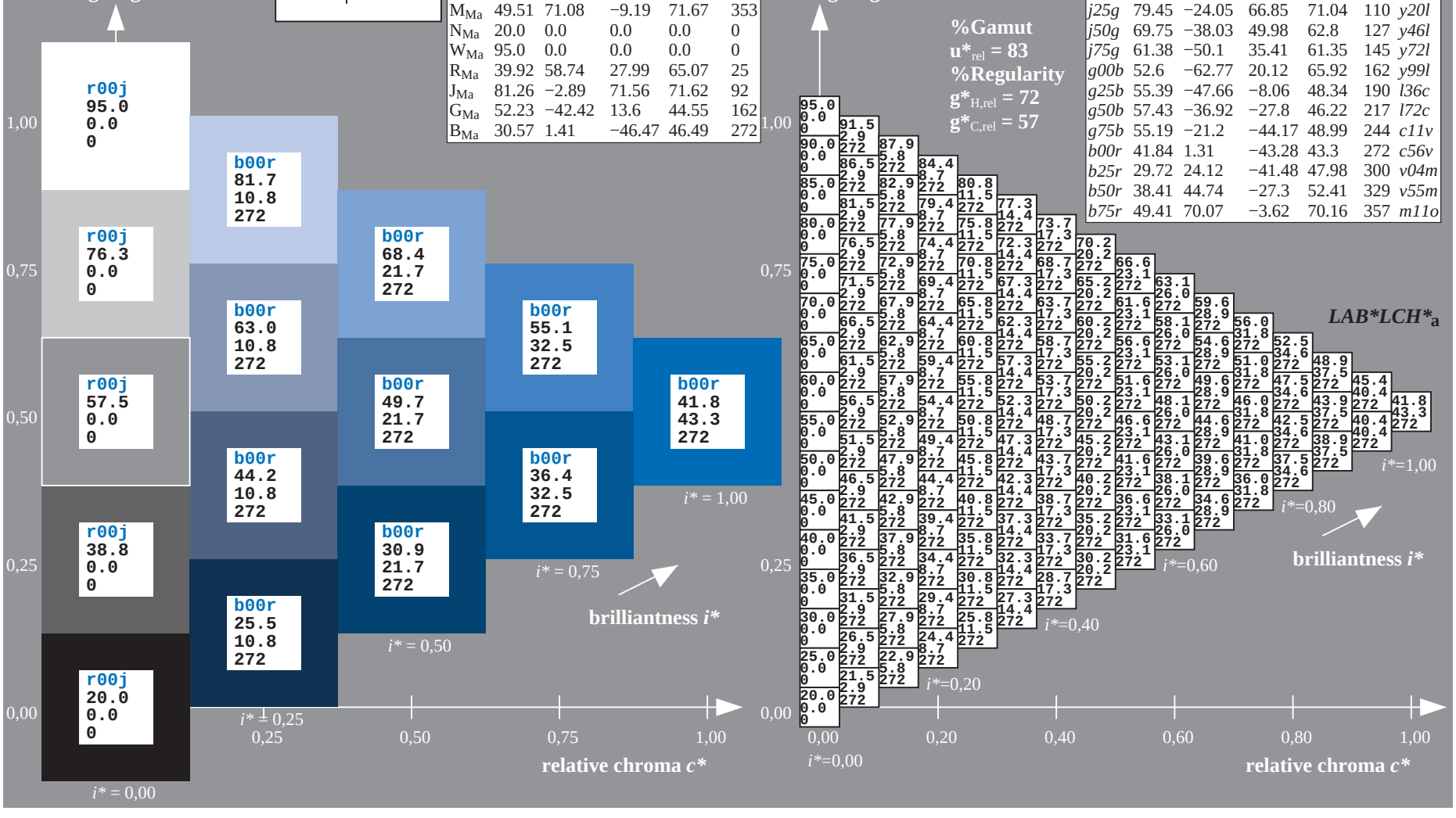
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 1 −43
*LAB*LCH**$_{Ma}$: 42 43 271
*lab*rgb**$_{Ma}$: 0.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.0 0.44 1.0
triangle lightness *t

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

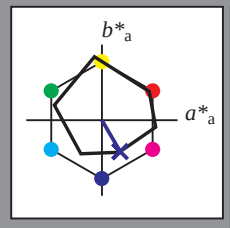
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *b25r* u^*_d = *v04m*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

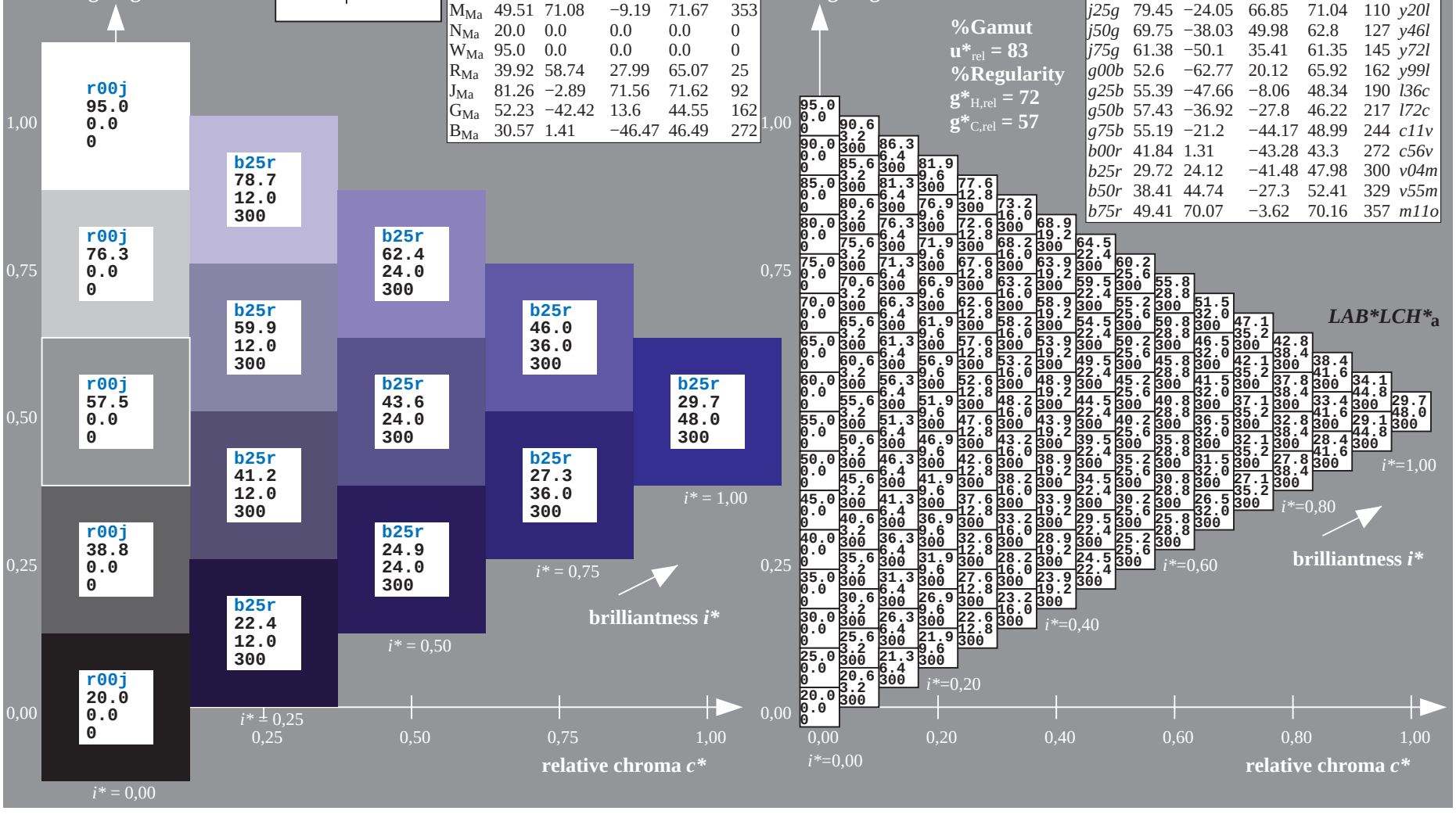
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 30 24 −41
*LAB*LCH**$_{Ma}$: 30 48 300
*lab*rgb**$_{Ma}$: 0.5 0.0 1.0
*lab*olv**$_{Ma}$: 0.04 0.0 1.0
triangle lightness *t**

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

u^*_e = *b25r*
LAB*LCH*a

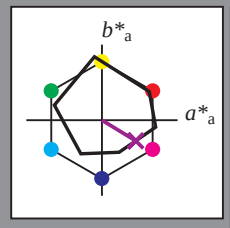
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b50r* u^*_d = *v55m*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

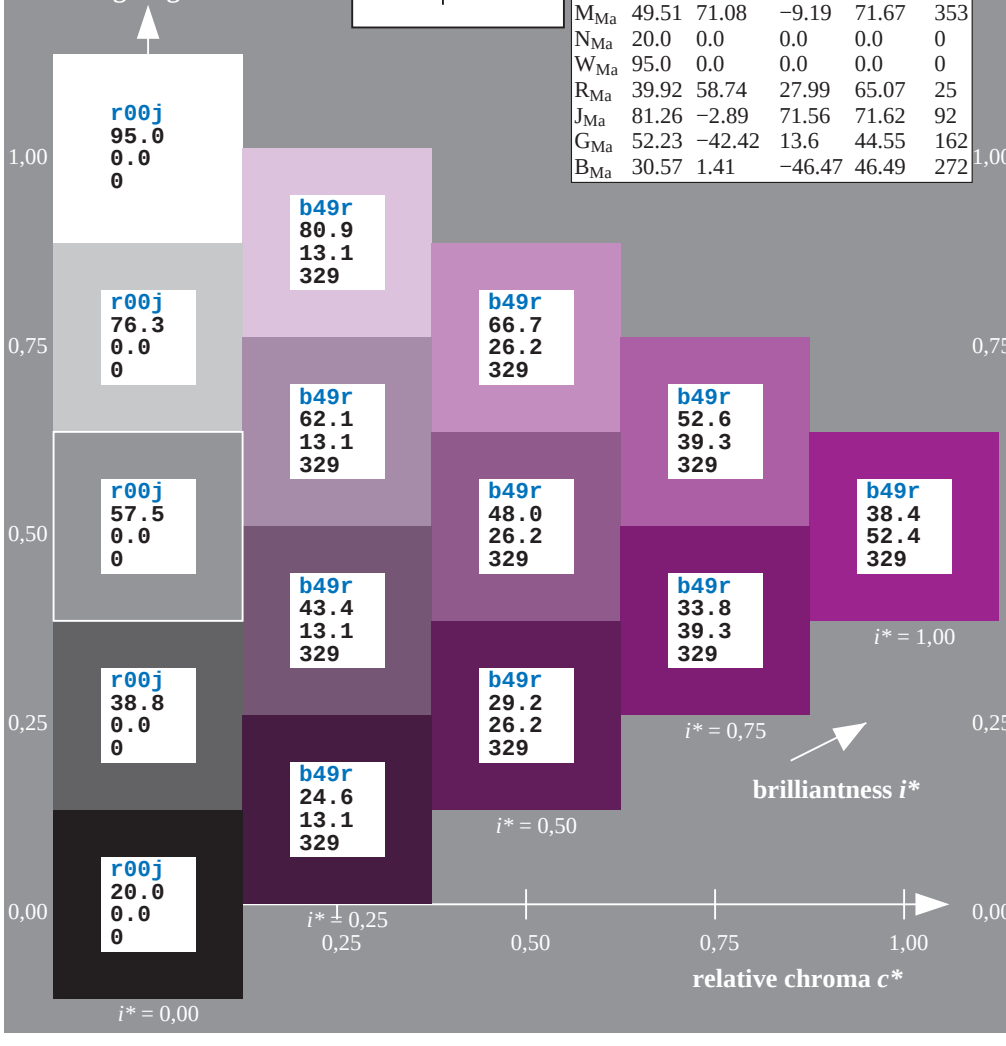
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

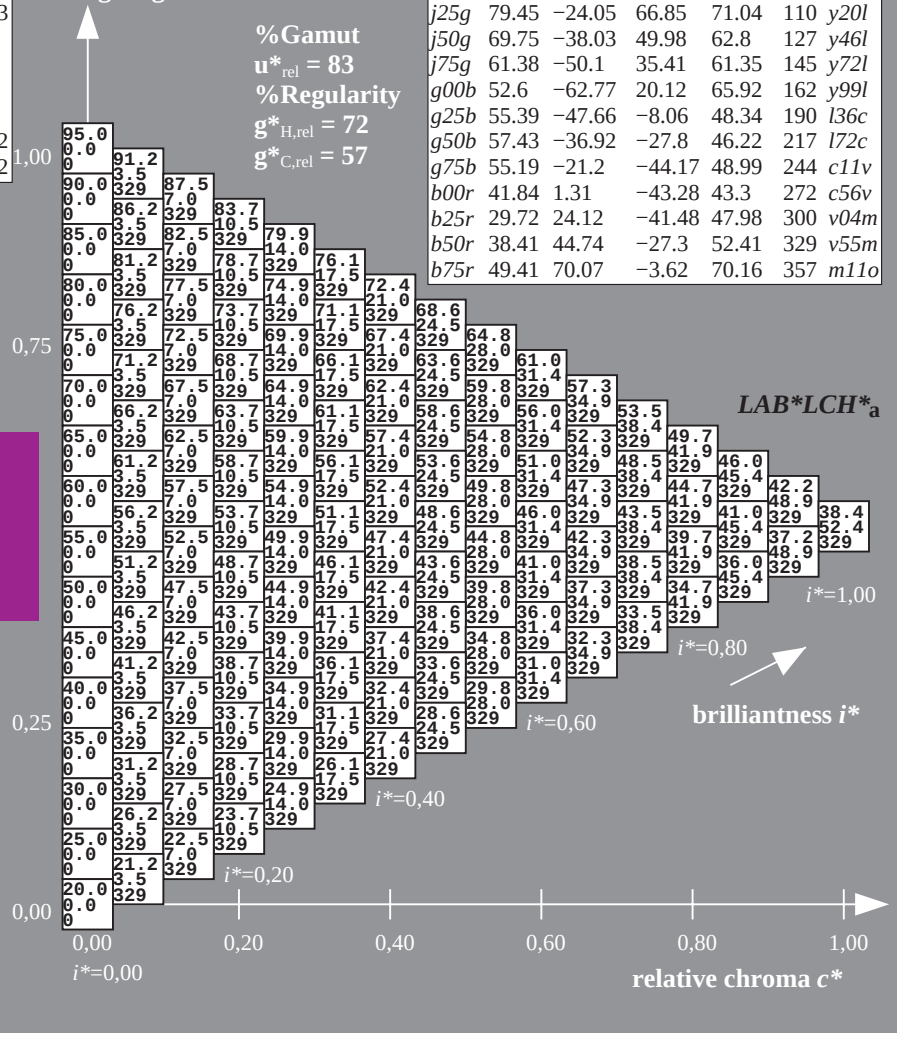
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 38 45 −27
*LAB*LCH**$_{Ma}$: 38 52 328
*lab*rgb**$_{Ma}$: 1.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.56 0.0 1.0
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

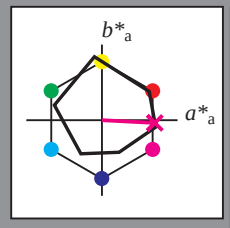
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = b75r$ $u^*_d = m11o$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

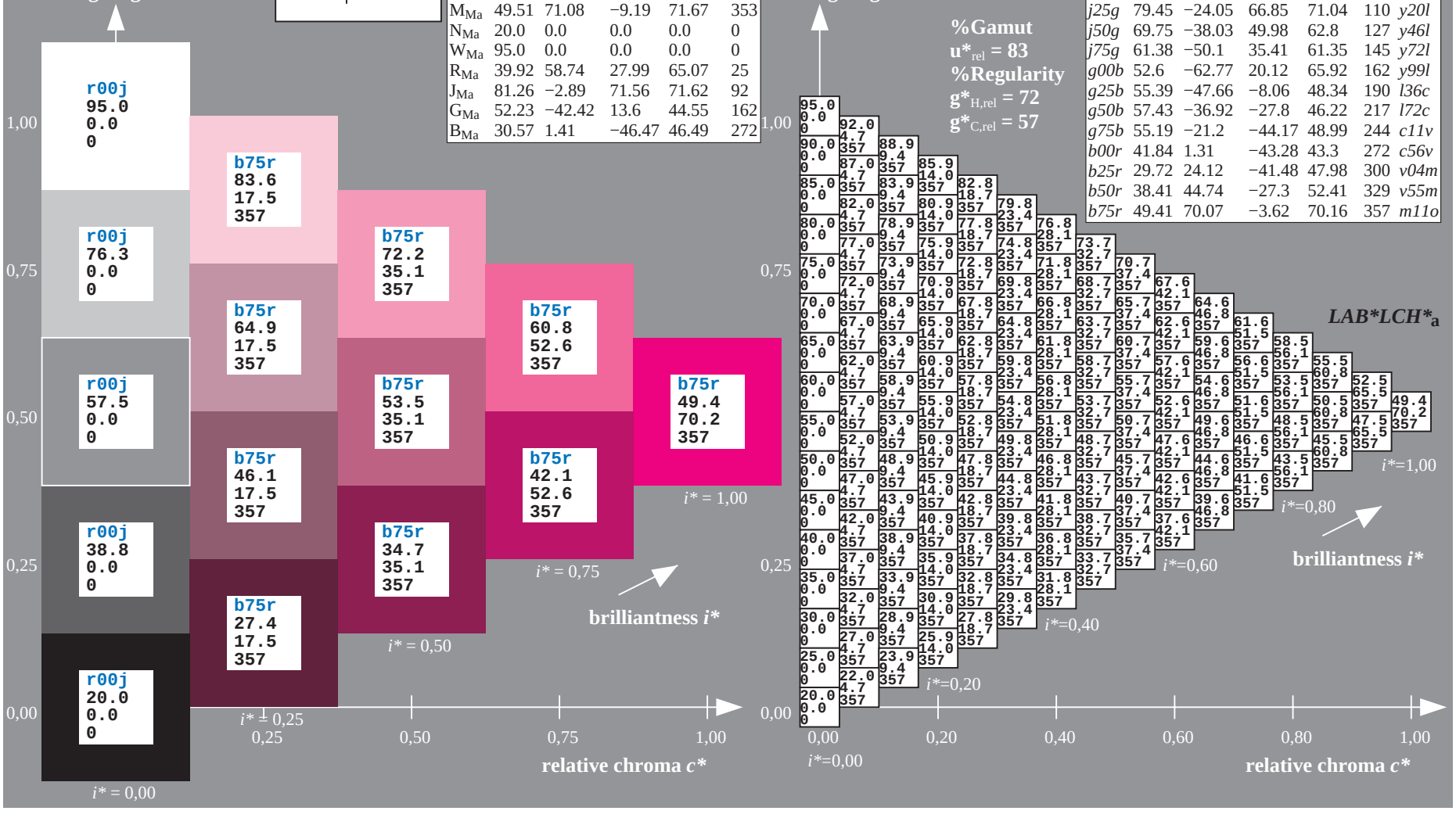
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 49 70 −4
*LAB*LCH**$_{Ma}$: 49 70 357
*lab*rgb**$_{Ma}$: 1.0 0.0 0.5
*lab*olv**$_{Ma}$: 1.0 0.0 0.89
triangle lightness *t**

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

$u^*_e = b75r$
LAB*LCH*$_a$

ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LCH*a			
01	20.0 0.0 0	24.1 8.3 162	28.1 16.5 162	32.2 24.8 162	36.2 33.0 162	40.3 41.3 162	44.4 49.5 162	48.4 57.8 162	52.5 66.0 162	23.6 9.1 31	28.7 10.6 97	32.2 15.6 130	36.3 22.9 141	40.4 30.7 146	44.5 38.7 149	48.6 46.8 151	52.7 54.9 153	56.8 63.0 154	27.2 18.3 31	31.9 16.5 64	37.3 21.1 97	40.3 24.7 119	44.3 31.1 130	48.4 38.3 136	52.5 45.9 141	56.7 53.6 144	60.8 61.5 146	95.0 0.0 0	89.2 9.1 31	83.4 18.3 31	77.6 27.4 31	71.9 36.6 31	66.1 45.7 31	60.3 54.9 31	54.5 64.0 31	48.7 73.1 31	20.0 0.0 0	20.0 0.0 0	20.0 0.0 0	20.0 0.0 0	20.0 0.0 0
02	21.1 6.0 298	24.9 6.6 238	29.1 11.6 200	33.2 18.4 188	37.3 25.7 181	41.4 33.4 178	45.5 41.2 175	49.6 49.1 173	53.7 57.0 172	23.7 9.0 353	29.4 0.0 0	33.4 8.3 162	37.5 16.5 162	41.6 24.8 162	45.6 33.0 162	49.7 41.3 162	53.7 49.5 162	57.8 57.8 162	27.3 17.1 12	33.0 9.1 31	38.0 10.6 97	41.5 15.6 130	45.6 22.9 141	49.8 30.7 146	53.9 38.7 149	58.0 46.8 151	62.1 54.9 153	90.5 6.6 238	85.6 0.0 0	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	45.1 64.0 31	29.4 0.0 0	29.4 0.0 0	29.4 0.0 0	29.4 0.0 0	29.4 0.0 0
03	22.3 12.0 298	25.9 10.9 268	29.8 13.1 238	33.9 17.2 213	38.1 23.1 200	42.3 29.7 193	46.4 36.7 188	50.6 44.0 184	54.7 51.4 181	24.3 12.8 325	30.5 6.0 298	34.3 6.6 238	38.4 11.6 200	42.6 18.4 188	46.7 25.7 181	50.8 33.4 178	54.9 41.2 175	59.0 49.1 173	27.4 17.9 353	33.1 9.0 353	38.8 0.0 0	42.8 8.3 162	46.9 16.5 162	50.9 24.8 162	55.0 33.0 162	59.1 41.3 162	63.1 49.5 162	86.0 13.1 238	81.1 6.6 238	76.3 0.0 0	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	41.5 54.9 31	38.8 0.0 0	38.8 0.0 0	38.8 0.0 0	38.8 0.0 0	38.8 0.0 0
04	23.4 18.1 298	27.1 16.3 278	30.5 16.8 258	34.7 19.7 238	38.8 23.2 219	43.0 28.6 208	47.2 34.7 200	51.3 41.2 195	55.5 48.0 191	25.4 18.3 316	31.7 12.0 298	35.2 10.9 268	39.2 13.1 238	43.3 17.2 213	47.5 23.1 200	51.6 29.7 193	55.8 36.7 188	59.9 44.0 184	27.7 20.7 334	33.7 12.8 325	39.9 6.0 298	43.6 6.6 238	47.8 11.6 200	52.0 18.4 188	56.1 25.7 181	60.2 33.4 178	64.3 41.2 175	81.6 19.7 238	76.7 13.1 238	71.8 6.6 238	66.9 0.0 0	61.1 9.1 31	55.3 18.3 31	49.5 27.4 31	43.7 36.6 31	37.9 45.7 31	48.1 0.0 0	48.1 0.0 0	48.1 0.0 0	48.1 0.0 0	48.1 0.0 0
05	24.6 24.1 298	28.3 22.0 283	31.7 21.7 268	35.3 22.9 253	39.6 26.2 238	43.7 29.5 223	47.8 34.4 213	52.0 40.1 206	56.2 46.2 200	26.5 24.1 312	32.8 18.1 298	36.5 16.3 278	39.9 16.8 258	44.1 19.7 238	48.2 23.2 219	52.3 28.6 208	56.5 34.7 200	60.7 41.2 195	28.7 25.6 325	34.8 18.3 316	41.0 12.0 298	44.6 10.9 268	48.5 13.1 238	52.7 17.2 213	56.9 23.1 200	61.0 29.7 193	65.2 36.7 188	77.1 26.2 238	72.2 19.7 238	67.3 13.1 238	62.4 6.6 238	57.5 0.0 0	51.7 9.1 31	45.9 18.3 31	40.1 27.4 31	34.4 36.6 31	57.5 0.0 0	57.5 0.0 0	57.5 0.0 0	57.5 0.0 0	57.5 0.0 0
06	25.7 30.1 298	29.5 27.9 286	33.0 27.1 274	36.4 27.5 262	40.1 29.2 250	44.5 32.8 238	48.5 35.8 225	52.7 40.4 216	56.9 45.7 210	27.7 30.0 309	33.9 24.1 298	37.7 22.0 283	41.1 21.7 268	44.7 22.9 253	48.9 26.2 238	53.0 29.5 223	57.2 34.4 213	61.4 40.1 206	29.7 31.0 320	35.9 24.1 312	42.2 18.1 298	45.9 16.3 278	49.3 16.8 258	53.4 19.7 238	57.5 23.2 219	61.7 28.6 208	65.9 34.7 200	72.6 32.8 238	67.7 26.2 238	62.8 19.7 238	57.9 13.1 238	53.0 6.6 238	48.1 0.0 0	42.3 9.1 31	36.6 18.3 31	30.8 27.4 31	66.9 0.0 0	66.9 0.0 0	66.9 0.0 0	66.9 0.0 0	66.9 0.0 0
07	26.9 36.1 298	30.7 33.8 288	34.2 32.6 278	37.6 32.6 268	41.1 33.5 258	44.9 35.6 248	49.4 39.3 238	53.4 42.2 227	57.6 46.5 219	28.8 35.9 307	35.1 30.1 298	38.9 27.9 286	42.4 27.1 274	45.8 27.5 262	49.5 29.2 250	53.8 32.8 238	57.9 35.8 225	62.1 40.4 216	30.8 36.7 316	37.1 30.0 309	43.3 24.1 298	47.1 22.0 283	50.5 21.7 268	54.0 22.9 253	58.3 26.2 238	62.4 29.5 223	66.6 34.4 213	68.1 39.3 238	63.2 32.8 238	58.3 26.2 238	53.4 19.7 238	48.5 13.1 238	43.6 6.6 238	38.8 0.0 0	33.0 9.1 31	27.2 18.3 31	76.3 0.0 0	76.3 0.0 0	76.3 0.0 0	76.3 0.0 0	76.3 0.0 0
08	28.0 42.1 298	31.9 39.7 290	35.5 38.3 281	38.9 37.9 272	42.3 38.3 264	45.8 39.6 255	49.7 42.1 247	54.3 45.9 238	58.3 48.6 228	30.0 41.9 306	36.2 36.1 298	40.1 33.8 288	43.6 32.6 278	47.0 32.6 268	50.5 33.5 258	54.3 35.6 248	58.7 39.3 238	62.8 42.2 227	32.0 42.4 314	38.2 35.9 307	44.5 30.1 298	48.3 27.9 286	51.7 27.1 274	55.2 27.5 262	58.8 29.2 250	63.2 32.8 238	67.3 35.8 225	63.6 45.9 238	58.7 39.3 238	53.8 32.8 238	48.9 26.2 238	44.1 19.7 238	39.2 13.1 238	34.3 6.6 238	29.4 0.0 0	23.6 9.1 31	85.6 0.0 0	85.6 0.0 0	85.6 0.0 0	85.6 0.0 0	85.6 0.0 0
09	29.1 48.1 298	33.1 45.6 291	36.7 44.1 283	40.1 43.4 276	43.5 43.4 268	46.9 44.2 261	50.6 45.9 253	54.6 48.5 245	59.1 52.4 238	31.1 47.8 305	37.4 42.1 298	41.3 39.7 290	44.8 38.3 281	48.2 37.9 272	51.6 38.3 264	55.2 39.6 255	59.1 42.1 247	63.6 45.9 238	33.1 48.2 312	39.3 41.9 306	45.6 36.1 298	49.5 33.8 288	53.0 32.6 278	56.4 32.6 268	59.8 33.5 258	63.6 35.6 248	68.1 39.3 238	59.1 52.4 238	54.3 45.9 238	49.4 39.3 238	44.5 32.8 238	39.6 26.2 238	34.7 19.7 238	29.8 13.1 238	24.9 6.6 238	20.0 0.0 0	95.0 0.0 0	95.0 0.0 0	95.0 0.0 0	95.0 0.0 0	95.0 0.0 0
10	30.8 27.4 31	35.6 24.7 53	40.1 25.7 75	46.0 31.7 97	48.7 34.4 113	52.4 40.1 123	56.5 46.7 130	60.6 53.8 134	64.7 61.2 138	34.4 36.6 31	39.3 33.3 48	43.8 33.0 64	48.5 35.5 80	54.6 42.2 97	57.1 44.4 110	60.7 49.4 119	64.6 55.5 125	68.6 62.3 130	37.9 45.7 31	43.0 42.1 44	47.5 41.0 57	52.0 42.0 71	57.0 45.6 84	63.3 52.8 97	65.6 54.5 108	69.0 59.0 116	72.8 64.7 121	95.0 0.0 0	94.3 10.6 97	93.6 21.1 97	92.8 31.7 97	92.1 42.2 97	91.4 52.8 97	90.7 63.4 97	90.0 73.9 97	89.3 84.5 97	20.0 0.0 0	20.0 0.0 0	20.0 0.0 0	20.0 0.0 0	20.0 0.0 0
11	30.9 25.9 18	36.6 18.3 31	41.3 16.5 64	46.7 21.1 97	49.7 24.7 119	53.7 31.1 130	57.8 38.3 136	61.9 45.9 141	66.0 53.6 144	34.5 34.8 22	40.1 27.4 31	45.0 24.7 53	49.5 25.7 75	55.3 31.7 97	58.1 34.4 113	61.8 40.1 123	65.8 46.7 130	69.9 53.8 134	38.0 43.9 23	43.7 36.6 31	48.7 33.3 48	53.1 33.0 64	57.9 35.5 80	64.0 42.2 97	66.5 44.4 110	70.1 49.4 119	74.0 55.5 125	86.8 6.0 298	85.6 0.0 0	84.9 10.6 97	84.2 21.1 97	83.5 31.7 97	82.7 42.2 97	82.0 52.8 97	81.3 63.4 97	80.6 73.9 97	25.0 0.0 0	25.0 0.0 0	25.0 0.0 0	25.0 0.0 0	25.0 0.0 0
12	31.0 25.7 5	36.7 17.1 12	42.3 9.1 31	47.4 10.6 97	50.9 15.6 130	55.0 22.9 141	59.1 30.7 146	63.3 38.7 149	67.4 46.8 151	34.6 34.2 12	40.2 25.9 18	45.9 18.3 31	50.6 16.5 64	56.1 21.1 97	59.1 24.7 119	63.1 31.1 130	67.2 38.3 136	71.3 45.9 141	38.1 42.9 16	43.8 34.8 22	49.5 27.4 31	54.4 24.7 53	58.9 25.7 75	64.7 31.7 97	67.4 34.4 113	71.2 40.1 123	75.2 46.7 130	78.5 12.0 298	77.4 6.0 298	76.3 0.0 0	75.5 10.6 97	74.8 21.1 97	74.1 31.7 97	73.4 42.2 97	72.7 52.8 97	71.9 63.4 97	30.0 0.0 0	30.0 0.0 0	30.0 0.0 0	30.0 0.0 0	30.0 0.0 0
13	31.1 26.9 353	36.8 17.9 353	42.4 9.0 353	48.1 0.0 0	52.2 8.3 162	56.2 16.5 162	60.3 24.8 162	64.4 33.0 162	68.4 41.3 162	34.7 34.5 2	40.3 25.7 5	46.0 17.1 12	51.7 9.1 31	56.8 10.6 97	60.3 15.6 130	64.4 22.9 141	68.5 30.7 146	72.6 38.7 149	38.2 42.7 8	43.9 34.2 12	49.6 25.9 18	55.3 18.3 31	60.0 16.5 64	65.4 21.1 97	68.5 24.7 119	72.4 31.1 130	76.5 38.3 136	70.3 18.1 298	69.2 12.0 298	68.0 6.0 298	66.9 0.0 0	66.2 10.6 97	65.4 21.1 97	64.7 31.7 97	64.0 42.2 97	63.3 52.8 97	35.0 0.0 0	35.0 0.0 0	35.0 0.0 0	35.0 0.0 0	35.0 0.0 0
14	31.2 29.0 339	37.1 20.7 334	43.1 12.8 325	49.3 6.0 298	53.0 6.6 238	57.2 11.6 200	61.3 18.4 188	65.5 25.7 181	69.6 33.4 178	34.8 35.8 353	40.4 26.9 353	46.1 17.9 353	51.8 9.0 353	57.5 0.0 0	61.6 8.3 162	65.6 16.5 162	69.7 24.8 162	73.7 33.0 162	38.3 43.3 0	44.0 34.5 2	49.7 25.7 5	55.4 17.1 12	61.1 9.1 31	66.2 10.6 97	69.7 15.6 130	73.8 22.9 141	77.9 30.7 146	62.1 24.1 298	60.9 18.1 298	59.8 12.0 298	58.6 6.0 298	57.5 0.0 0	56.8 10.6 97	56.1 21.1 97	55.3 31.7 97	54.6 42.2 97	40.0 0.0 0	40.0 0.0 0	40.0 0.0 0	40.0 0.0 0	40.0 0.0 0
15	32.0 33.4 331	38.0 25.6 325	44.2 18.3 316	50.4 12.0 298	54.0 10.9 268	57.9 13.1 238	62.0 17.2 213	66.2 23.1 200	70.4 29.7 193	34.8 37.6 342	40.6 29.0 339	46.5 20.7 334	52.5 12.8 325	58.6 6.0 298	62.4 6.6 238	66.6 11.6 200	70.7 18.4 188	74.8 25.7 181	38.4 44.8 353	44.1 35.8 353	49.8 26.9 353	55.5 17.9 353	61.2 9.0 353	66.9 0.0 0	70.9 8.3 162	75.0 16.5 162	79.1 24.8 162	53.8 30.1 298	52.7 24.1 298	51.6 18.1 298	50.4 12.0 298	49.3 6.0 298	48.1 0.0 0	47.4 10.6 97	46.7 21.1 97	46.0 31.7 97	45.0 0.0 0	45.0 0.0 0	45.0 0.0 0	45.0 0.0 0	45.0 0.0 0
16	33.0 38.4 325	39.1 31.0 320	45.3 24.1 312	51.6 18.1 298	55.2 16.3 278	58.7 16.8 258	62.8 19.7 238	66.9 23.2 219	71.1 28.6 208	35.4 41.4 334	41.4 33.4 331	47.4 25.6 325	53.5 18.3 316	59.8 12.0 298	63.4 10.9 268	67.3 13.1 238	71.4 17.2 213	75.6 23.1 200	38.3 46.2 344	44.1 37.6 342	49.9 29.0 339	55.8 20.7 334	61.8 12.8 325	68.0 6.0 298	71.8 6.6 238	75.9 11.6 200	80.1 18.4 188	45.6 36.1 298	44.5 30.1 298	43.3 24.1 298	42.2 18.1 298	41.0 12.0 298	39.9 6.0 298	38.8 0.0 0	38.0 10.6 97	37.3 21.1 97	50.0 0.0 0	50.0 0.0 0	50.0 0.0 0	50.0 0.0 0	50.0 0.0 0
17	34.1 43.8 322	40.2 36.7 316	46.4 30.0 309	52.7 24.1 298	56.5 22.0 283	59.9 21.7 268	63.4 22.9 253	67.7 26.2 238	71.8 29.5 223	36.3 46.1 329	42.4 38.4 325	48.5 31.0 320	54.7 24.1 312	60.9 18.1 298	64.6 16.3 278	68.0 16.8 258	72.2 19.7 238	76.3 23.2 219	38.9 49.7 337	44.8 41.4 334	50.8 33.4 331	56.8 25.6 325	62.9 18.3 316	69.2 12.0 298	72.7 10.9 268	76.7 13.1 238	80.8 17.2 213	37.4 42.1 298	36.2 36.1 298	35.1 30.1 298	33.9 24.1 298	32.8 18.1 298	31.7 12.0 298	30.5 6.0 298	29.4 0.0 0	28.7 10.6 97	55.0 0.0 0	55.0 0.0 0	55.0 0.0 0	55.0 0.0 0	55.0 0.0 0
18	35.1 49.3 319	41.3 42.4 314	47.6 35.9 307	53.8 30.1 298	57.7 27.9 286	61.1 27.1 274	64.5 27.5 262	68.2 29.2 250	72.6 32.8 238	37.3 51.2 325	43.4 43.8 322	49.6 36.7 316	55.8 30.0 309	62.1 24.1 298	65.8 22.0 283	69.2 21.7 268	72.8 22.9 253	77.1 26.2 238	39.7 54.0 332	45.7 46.1 329	51.7 38.4 325	57.9 31.0 320	64.0 24.1 312	70.3 18.1 298	74.0 16.3 278	77.4 16.8 258	81.6 19.7 238	29.1 48.1 298	28.0 42.1 298	26.9 36.1 298	25.7 30.1 298	24.6 24.1 298	23.4 18.1 298	22.3 12.0 298	21.1 6.0 298	20.0 0.0 0	60.0 0.0 0	60.0 0.0 0	60.0 0.0 0	60.0 0.0 0	60.0 0.0 0
19	41.5 54.9 31	46.6 51.0 42	51.2 49.3 53	55.6 49.5 64	60.3 51.5 75	65.5 55.8 86	71.9 63.4 97	74.1 64.7 106	77.4 68.8 113	45.1 64.0 31	50.3 60.0 41	54.9 57.9 50	59.4 57.4 59	63.8 58.4 69	68.6 61.2 78	74.1 66.1 87	80.6 73.9 97	82.7 75.0 105	48.7 73.1 31	53.9 69.0 39	58.6 66.5 48	63.1 65.6 56	67.5 65.9 64	72.1 67.7 72	77.0 71.1 80	82.6 76.4 89	89.3 84.5 97	95.0 0.0 0	89.7 8.3 162	84.4 16.5 162	79.1 24.8 162	73.7 33.0 162	68.4 41.3 162	63.1 49.5 162	57.8 57.8 162	52.5 66.0 162	65.0 0.0 0	65.0 0.0 0	65.0 0.0 0	65.0 0.0 0	65.0 0.0 0
20	41.6 52.9 25	47.3 45.7 31	52.3 42.1 44	56.9 41.0 57	61.4 42.0 71	66.4 45.6 84	72.7 52.8 97	75.0 54.5 108	78.4 59.0 116	45.2 62.0 26	50.9 54.9 31	56.0 51.0 42	60.6 49.3 53	65.0 49.5 64	69.7 51.5 75	74.9 55.8 86	81.3 63.4 97	83.5 64.7 106	48.8 71.1 26	54.5 64.0 31	59.6 60.0 41	64.3 57.9 50	68.7 57.4 59	73.2 58.4 69	78.0 61.2 78	83.4 66.1 87	90.0 73.9 97	89.3 9.0 353	85.6 0.0 0	80.3 8.3 162	75.0 16.5 162	69.7 24.8 162	64.4 33.0 162	59.1 41.3 162	53.7 49.5 162	48.4 57.8 162	70.0 0.0 0	70.0 0.0 0	70.0 0.0 0	70.0 0.0 0	70.0 0.0 0
21	41.7 51.7 18	47.4 43.9 23	53.1 36.6 31	58.1 33.3 48	62.5 33.0 64	67.3 35.5 80	73.4 42.2 97	75.9 44.4 110	79.4 49.4 119	45.3 60.7 20	51.0 52.9 25	56.7 45.7 31	61.7 42.1 44	66.2 41.0 57	70.7 42.0 71	75.7 45.6 84	82.0 52.8 97	84.4 54.5 108	48.9 69.7 22	54.6 62.0 26	60.3 54.9 31	65.4 51.0 42	70.0 49.3 53	74.4 49.5 64	79.0 51.5 75	84.3 55.8 86	90.7 63.4 97	83.6 17.9 353	79.9 9.0 353	76.3 0.0 0	70.9 8.3 162	65.6 16.5 162	60.3 24.8 162	55.0 33.0 162	49.7 41.3 162	44.4 49.5 162	75.0 0.0 0	75.0 0.0 0	75.0 0.0 0	75.0 0.0 0	75.0 0.0 0
22	41.8 51.3 12	47.5 42.9 16	53.2 34.8 22	58.9 27.4 31	63.7 24.7 53	68.3 25.7 75	74.1 31.7 97	76.8 34.4 113	80.6 40.1 123	45.4 59.9 15	51.1 51.7 18	56.8 43.9 23	62.5 36.6 31	67.4 33.3 48	71.9 33.0 64	76.6 35.5 80	82.7 42.2 97	85.2 44.4 110	49.0 68.7 17	54.7 60.7 20	60.4 52.9 25	66.1 45.7 31	71.1 42.1 44	75.6 41.0 57	80.1 42.0 71	85.1 45.6 84	91.4 52.8 97	77.9 26.9 353	74.3 17.9 353	70.6 9.0 353	66.9 0.0 0	61.6 8.3 162	56.2 16.5 162	50.9 24.8 162	45.6 33.0 162	40.3 41.3 162	80.0 0.0 0	80.0 0.0 0	80.0 0.0 0	80.0 0.0 0	80.0 0.0 0
23	41.9 51.4 5	47.6 42.7 8	53.3 34.2 12	59.0 25.9 18	64.7 18.3 31	69.4 16.5 64	74.8 21.1 97	77.8 24.7 119	81.8 31.1 130	45.5 59.8 9	51.2 51.3 12	56.9 42.9 16	62.6 34.8 22	68.3 27.4 31	73.1 24.7 53	77.6 25.7 75	83.5 31.7 97	86.2 34.4 113	49.1 68.3 12	54.8 59.9 15	60.5 51.7 18	66.2 43.9 23	71.9 36.6 31	76.8 33.3 48	81.3 33.0 64	86.0 35.5 80	92.1 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 0	52.2 8.3 162	46.9 16.5 162	41.6 24.8 162	36.2 33.0 162	85.0 0.0 0	85.0 0.0 0	85.0 0.0 0	85.0 0.0 0	85.0 0.0 0
24	42.0 52.2 359	47.7 43.3 0	53.4 34.5 2	59.1 25.7 5	64.8 17.1 12	70.5 9.1 31	75.5 10.6 97	79.0 15.6 130	83.1 22.9 141	45.6 60.2 4	51.3 51.4 5	57.0 42.7 8	62.7 34.2 12	68.4 25.9 18	74.1 18.3 31	78.8 16.5 64	84.2 21.1 97	87.2 24.7 119	49.2 68.4 7	54.9 59.8 9	60.6 51.3 12	66.3 42.9 16	72.0 34.8 22	77.6 27.4 31	82.5 24.7 53	87.0 25.7 75	92.8 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 0	42.8 8.3 162	37.5 16.5 162	32.2 24.8 162	90.0 0.0 0	90.0 0.0 0	90.0 0.0 0	90.0 0.0 0	90.0 0.0 0
25	42.1 53.8 353	47.8 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 0	80.3 8.3 162	84.4 16.5 162	45.7 61.1 358	51.4 52.2 359	57.1 43.3 0	62.8 34.5 2	68.5 25.7 5	74.2 17.1 12	79.8 9.1 31	84.9 10.6 97	88.4 15.6 130	49.3 69.0 2	55.0 60.2 4	60.7 51.4 5	66.4 42.7 8	72.1 34.2 12	77.7 25.9 18	83.4 18.3 31	88.1 16.5 64	93.6 21.1 97	60.9 53.8 353	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 0	33.4 8.3 162	28.1 16.5 162	95.0 0.0 0	95.0 0.0 0	95.0 0.0 0	95.0 0.0 0	95.0 0.0 0
26	42.0 54.9 345	47.7 46.2 344	53.5 37.6 342	59.3 29.0 339	65.2 20.7 334	71.2 12.8 325	77.4 6.0 298	81.1 6.6 238	85.3 11.6 200	45.8 62.7 353	51.5 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 0	89.7 8.3 162	49.4 70.0 357	55.1 61.1 358	60.8 52.2 359	66.5 43.3 0	72.2 34.5 2	77.8 25.7 5	83.5 17.1 12	89.2 9.1 31	94.3 10.6 97	55.2 62.7 353	51.5 53.8 353	47.8 44.8 353	44.1 35.8 353	40.4 26.9 353	36.8 17.9 353	33.1 9.0 353	29.4 0.0 0	24.1 8.3 162	20.0 0.0 0	48.7 73.1 31	89.3 84.5 97	52.5 66.0 162	
27	42.4 58.1 339	48.3 49.7 337	54.2 41.4 334	60.1 33.4 331	66.2 25.6 325	72.3 18.3 316	78.5 12.0 298	82.1 10.9 268	86.0 13.1 238	45.6 63.7 346	51.3 54.9 345	57.1 46.2 344	62.9 37.6 342	68.7 29.0 339	74.6 20.7 334	80.6 12.8 325	86.8 6.0 298	90.5 6.6 238	49.5 71.7 353	55.2 62.7 353	60.9 53.8 353	66.6 44.8 353	72.3 35.8 353	77.9 26.9 353	83.6 17.9 353	89.3 9.0 353	95.0 0.0 0	49.5 71.7 353	45.8 62.7 353	42.1 53.8 353	38.4 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 0	95.0 0.0 0	59.1 52.4 238	29.1 48.1 298	49.5 71.7 353	

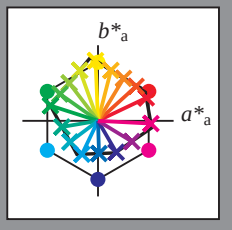
See for similar files: http://www.ps.bam.de/Ee13/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

BAM registration: 20081001-Ee13/10L/L13E00NP.PS/ .PDF 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:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 0.96

ORS20_95a; adapted (a) CIELAB data

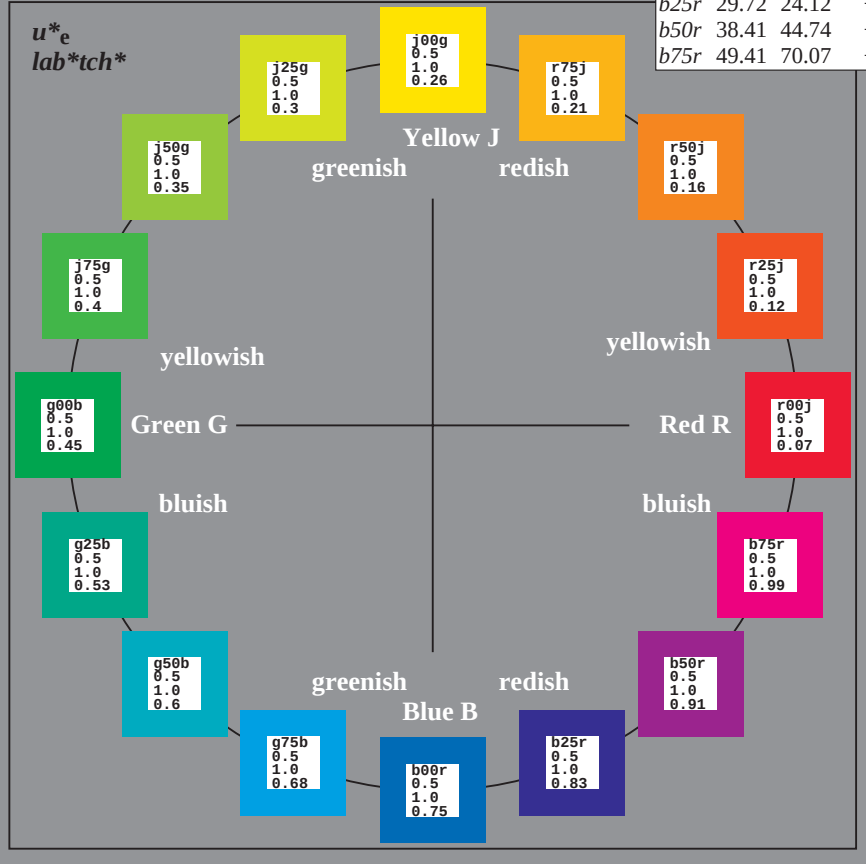
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*

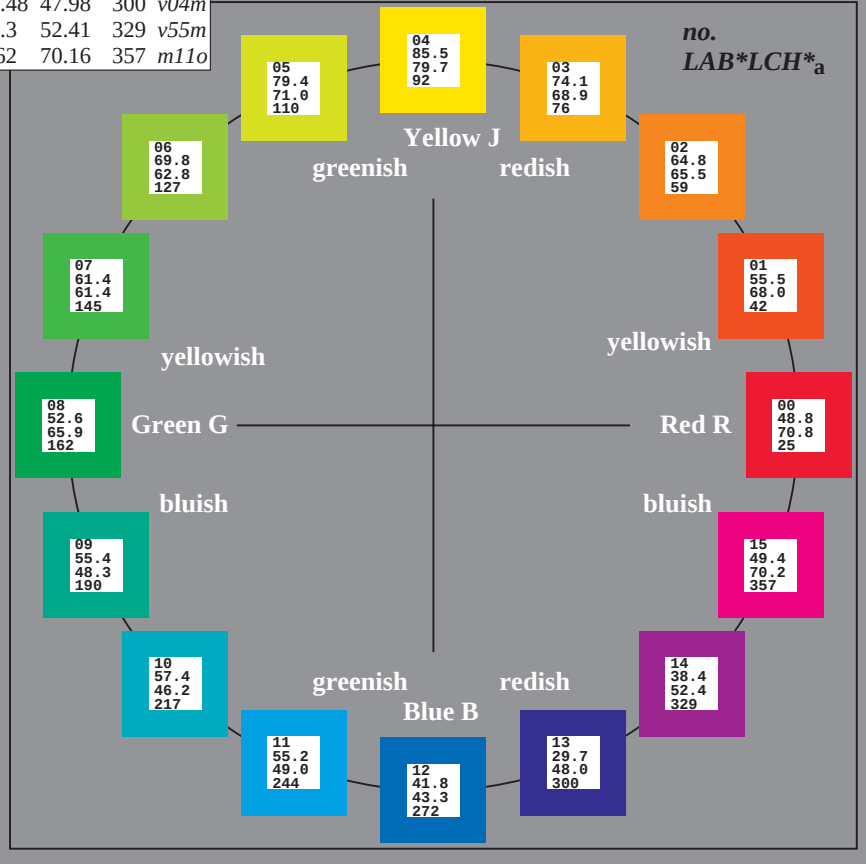


%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95a; adapted (a) CIELAB data

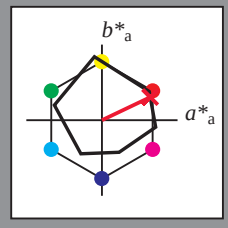
Name	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r00j* u^*_d = *m84o*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

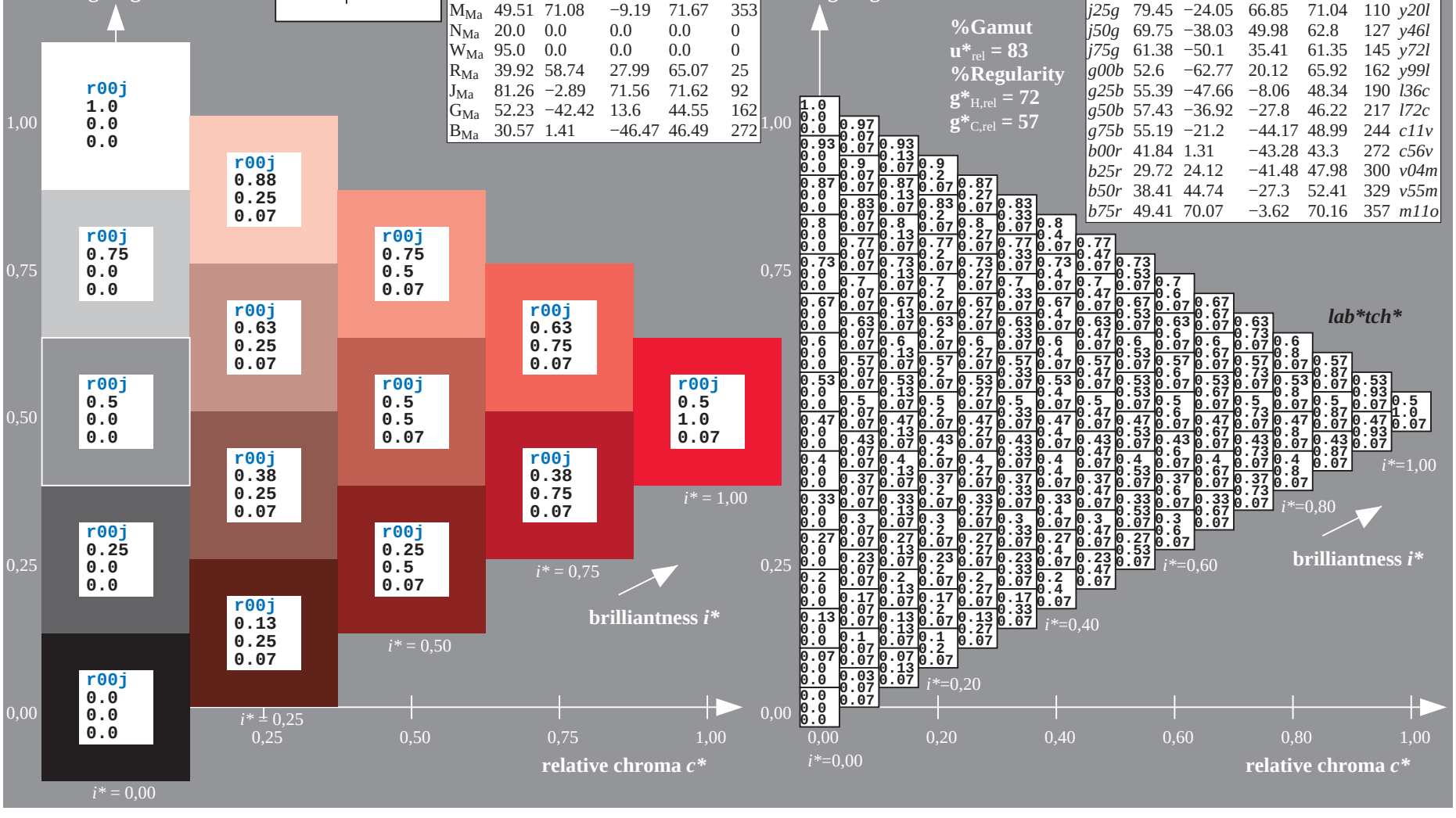
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 49 64 30
*LAB*LCH**$_{Ma}$: 49 71 25
*lab*rgb**$_{Ma}$: 1.0 0.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.0 0.15
triangle lightness *t**

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

u^*_e = *r00j*
*lab*tch**

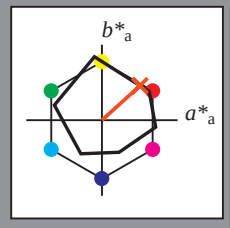
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r25j* u^*_d = *o17y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

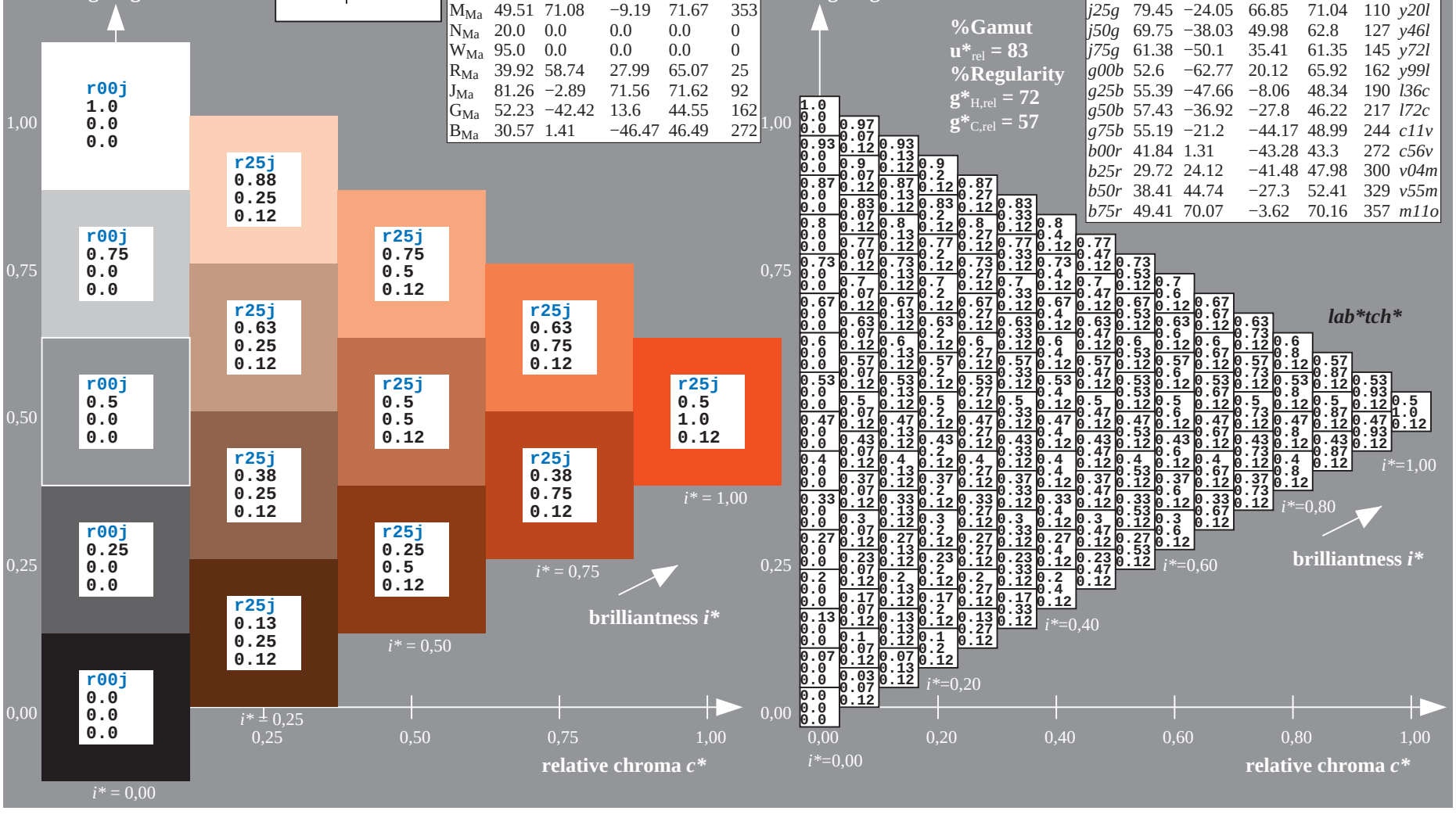
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 56 50 46
*LAB*LCH**$_{Ma}$: 56 68 42
*lab*rgb**$_{Ma}$: 1.0 0.25 0.0
*lab*olv**$_{Ma}$: 1.0 0.17 0.0
triangle lightness *t**

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

u^*_e = *r25j*
*lab*tch**

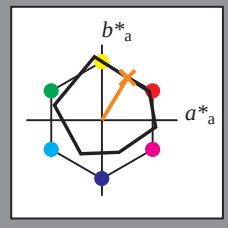
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r50j* u^*_d = *o42y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

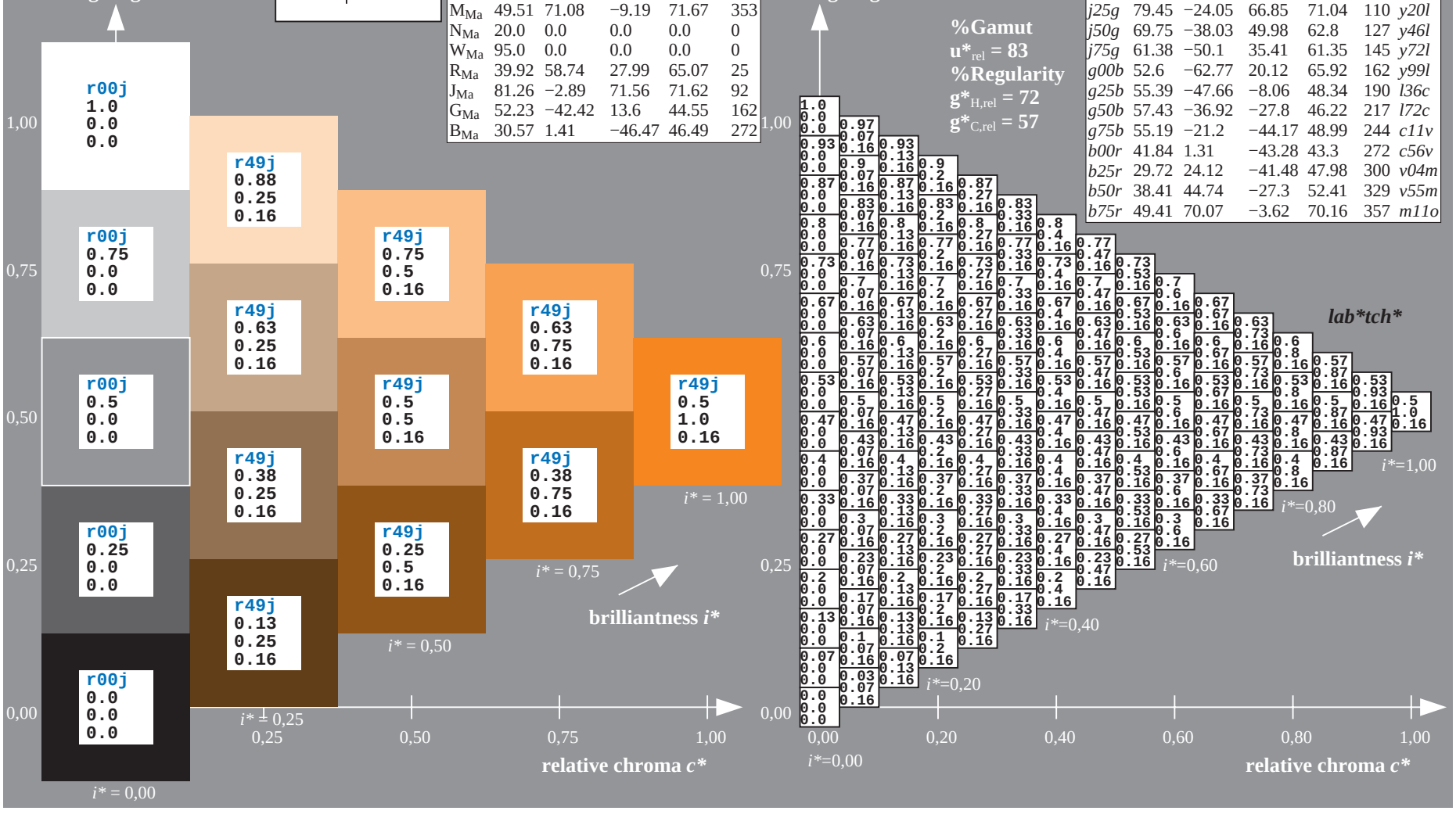
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31	
Y_{Ma}	89.25	−9.92	83.91	84.49	97	
L_{Ma}	52.5	−62.91	19.95	66.0	162	
C_{Ma}	59.15	−27.87	−44.43	52.45	238	
V_{Ma}	29.13	22.73	−42.44	48.14	298	
M_{Ma}	49.51	71.08	−9.19	71.67	353	
N_{Ma}	20.0	0.0	0.0	0.0	0	
W_{Ma}	95.0	0.0	0.0	0.0	0	
R_{Ma}	39.92	58.74	27.99	65.07	25	
J_{Ma}	81.26	−2.89	71.56	71.62	92	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	30.57	1.41	−46.47	46.49	272	

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 65 34 56
*LAB*LCH**$_{Ma}$: 65 66 58
*lab*rgb**$_{Ma}$: 1.0 0.5 0.0
*lab*olv**$_{Ma}$: 1.0 0.42 0.0
triangle lightness *t**

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

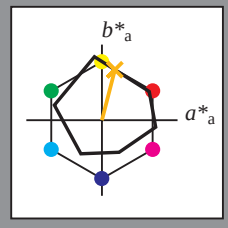
ORS20_95a; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25		*m84o*
r25j	55.53	50.37	45.65	67.97	42		*o17y*
r50j	64.76	33.86	56.12	65.55	59		*o42y*
r75j	74.12	17.13	66.74	68.9	76		*o67y*
j00g	85.5	−3.22	79.65	79.72	92		*o92y*
j25g	79.45	−24.05	66.85	71.04	110		*y20l*
j50g	69.75	−38.03	49.98	62.8	127		*y46l*
j75g	61.38	−50.1	35.41	61.35	145		*y72l*
g00b	52.6	−62.77	20.12	65.92	162		*y99l*
g25b	55.39	−47.66	−8.06	48.34	190		*l36c*
g50b	57.43	−36.92	−27.8	46.22	217		*l72c*
g75b	55.19	−21.2	−44.17	48.99	244		*c11v*
b00r	41.84	1.31	−43.28	43.3	272		*c56v*
b25r	29.72	24.12	−41.48	47.98	300		*v04m*
b50r	38.41	44.74	−27.3	52.41	329		*v55m*
b75r	49.41	70.07	−3.62	70.16	357		*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r75j* u^*_d = *o67y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

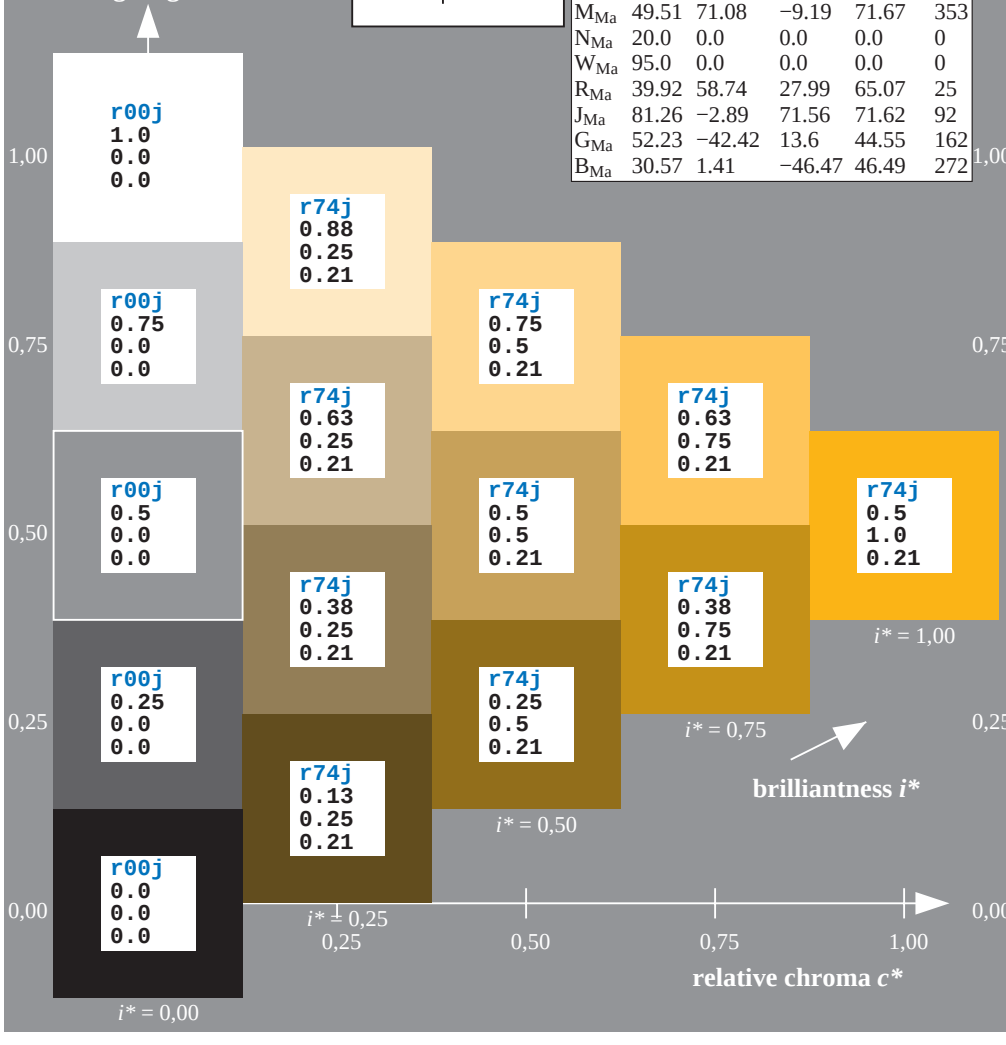
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 74 17 67
*LAB*LCH**$_{Ma}$: 74 69 75
*lab*rgb**$_{Ma}$: 1.0 0.75 0.0
*lab*olv**$_{Ma}$: 1.0 0.68 0.0
triangle lightness *t**

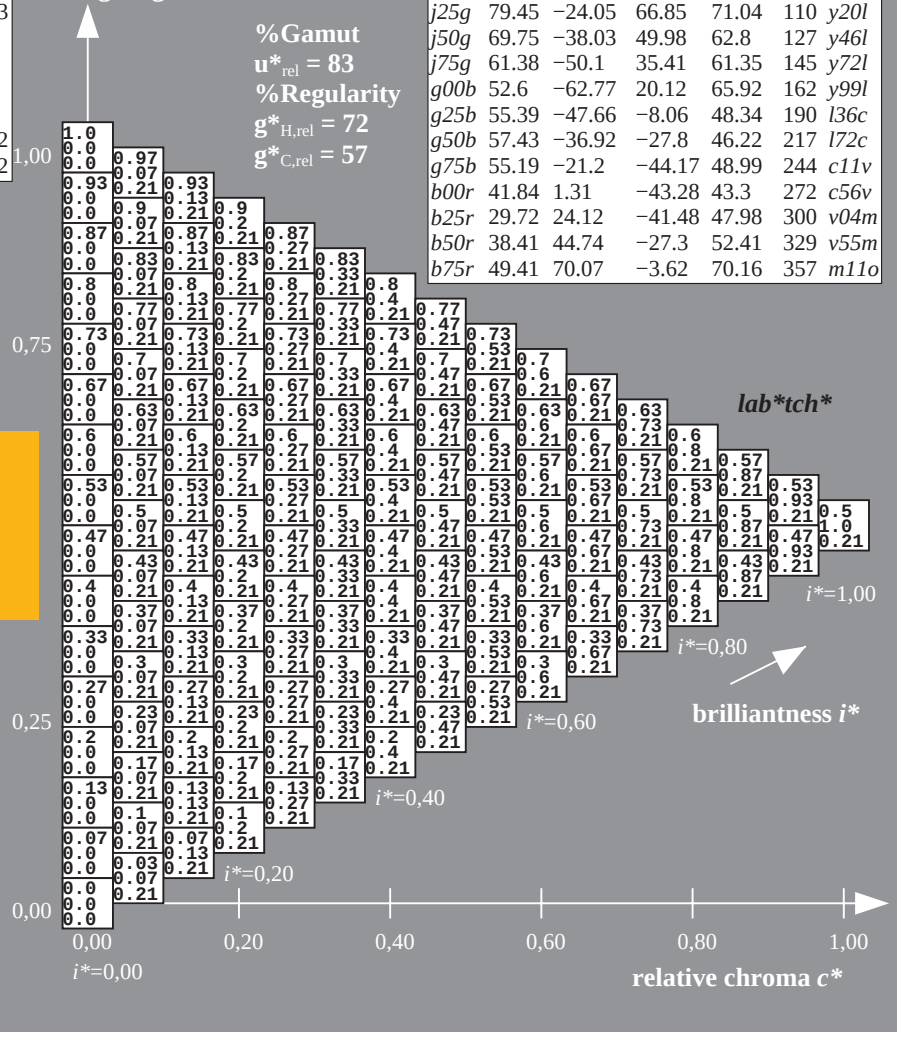
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u^*_e = *r75j*
*lab*tch**

ORS20_95a; adapted (a) CIELAB data

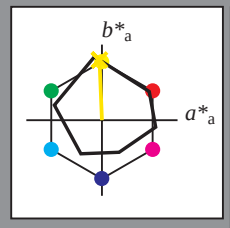
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j00g* u^*_d = *o92y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

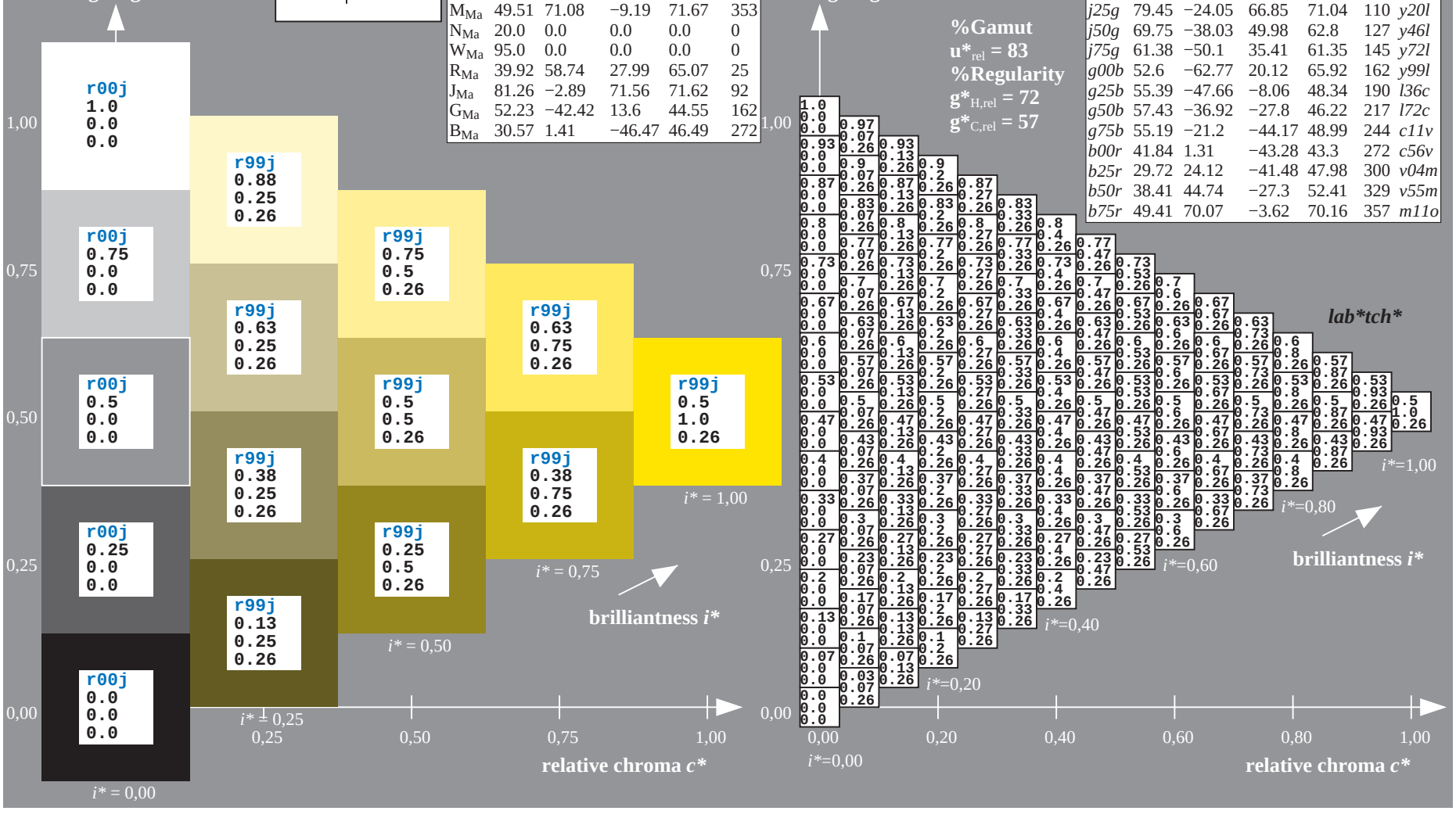
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 86 −3 80
*LAB*LCH**$_{Ma}$: 86 80 92
*lab*rgb**$_{Ma}$: 1.0 1.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.93 0.0
triangle lightness *t**

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

u^*_e = *j00g*
*lab*tch**

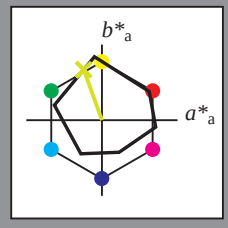
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *j25g* u^*_d = *y20l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31	
Y_{Ma}	89.25	−9.92	83.91	84.49	97	
L_{Ma}	52.5	−62.91	19.95	66.0	162	
C_{Ma}	59.15	−27.87	−44.43	52.45	238	
V_{Ma}	29.13	22.73	−42.44	48.14	298	
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25	
J_{Ma}	81.26	−2.89	71.56	71.62	92	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	30.57	1.41	−46.47	46.49	272	

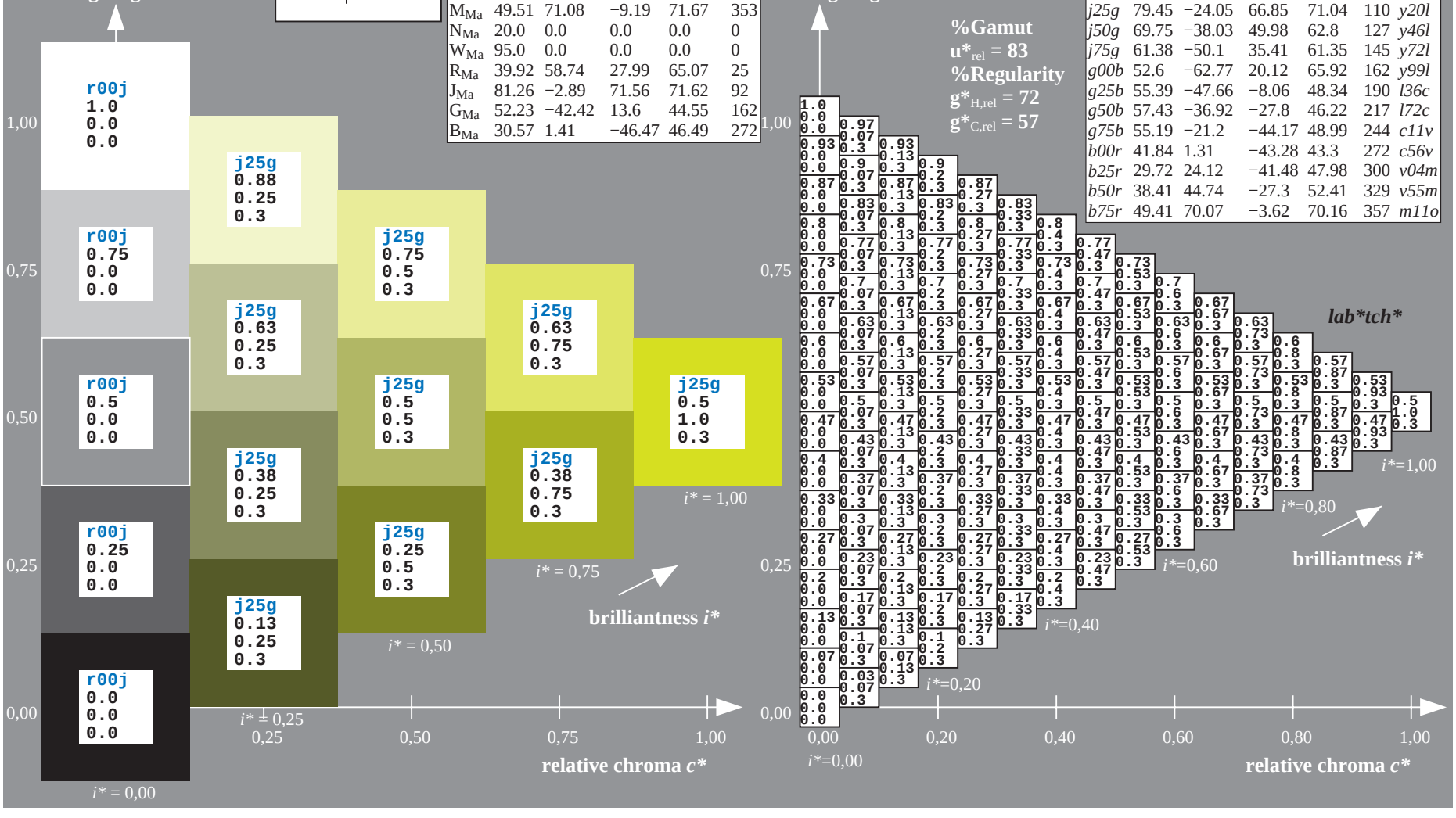
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 79 −24 67
*LAB*LCH**$_{Ma}$: 79 71 109
*lab*rgb**$_{Ma}$: 0.75 1.0 0.0
*lab*olv**$_{Ma}$: 0.8 1.0 0.0
triangle lightness *t**

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

u^*_e = *j25g*
*lab*tch**

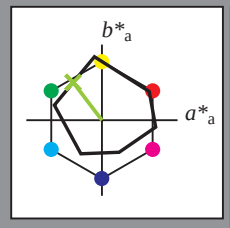
ORS20_95a; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25		*m84o*
r25j	55.53	50.37	45.65	67.97	42		*o17y*
r50j	64.76	33.86	56.12	65.55	59		*o42y*
r75j	74.12	17.13	66.74	68.9	76		*o67y*
j00g	85.5	−3.22	79.65	79.72	92		*o92y*
j25g	79.45	−24.05	66.85	71.04	110		*y20l*
j50g	69.75	−38.03	49.98	62.8	127		*y46l*
j75g	61.38	−50.1	35.41	61.35	145		*y72l*
g00b	52.6	−62.77	20.12	65.92	162		*y99l*
g25b	55.39	−47.66	−8.06	48.34	190		*l36c*
g50b	57.43	−36.92	−27.8	46.22	217		*l72c*
g75b	55.19	−21.2	−44.17	48.99	244		*c11v*
b00r	41.84	1.31	−43.28	43.3	272		*c56v*
b25r	29.72	24.12	−41.48	47.98	300		*v04m*
b50r	38.41	44.74	−27.3	52.41	329		*v55m*
b75r	49.41	70.07	−3.62	70.16	357		*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j50g* u^*_d = *y46l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

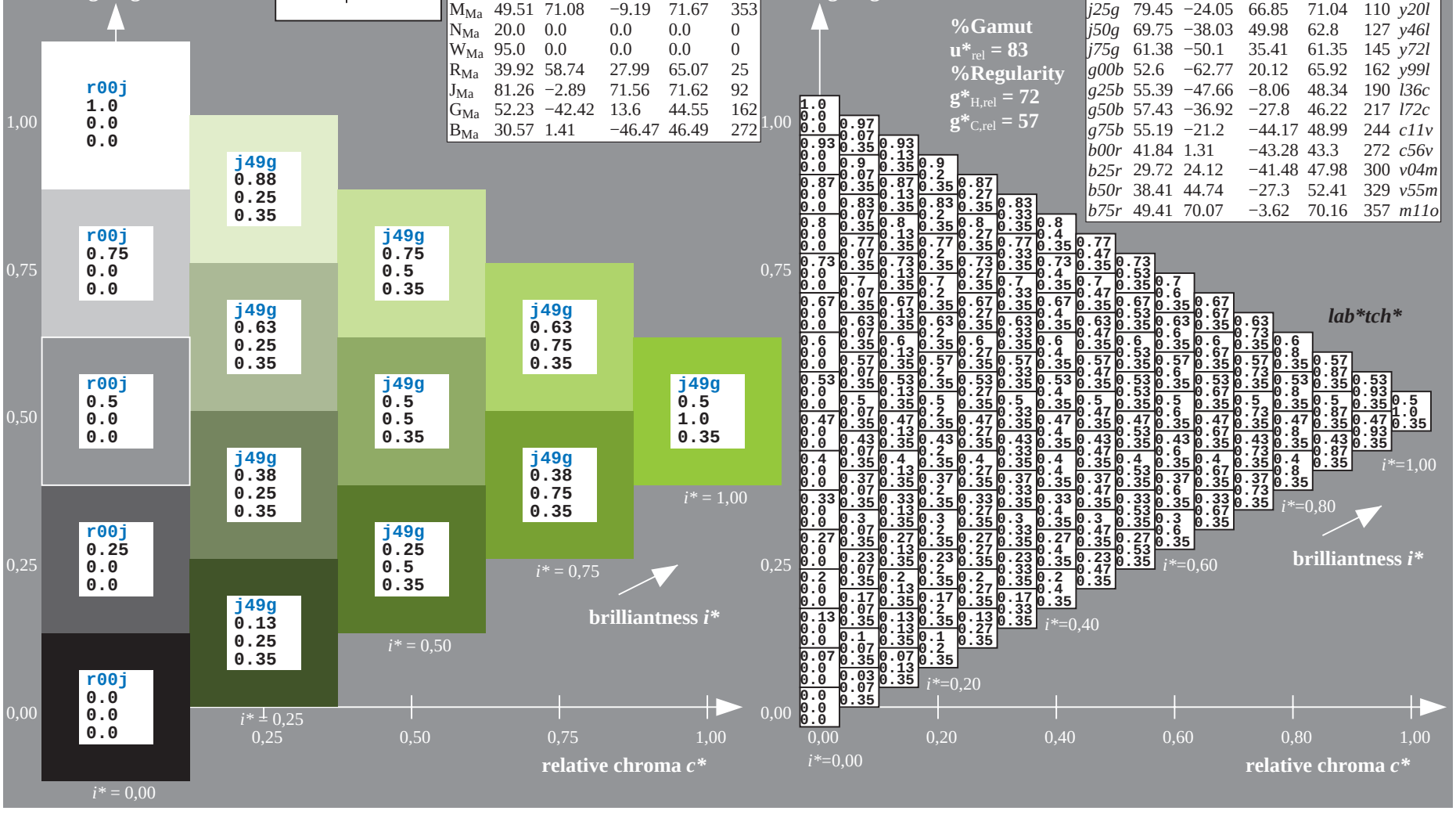
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 70 −38 50
*LAB*LCH**$_{Ma}$: 70 63 127
*lab*rgb**$_{Ma}$: 0.5 1.0 0.0
*lab*olv**$_{Ma}$: 0.54 1.0 0.0
triangle lightness *t**

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

u^*_e = *j50g*
*lab*tch**

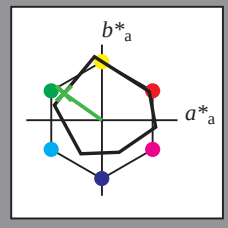
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j75g* u^*_d = *y72l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

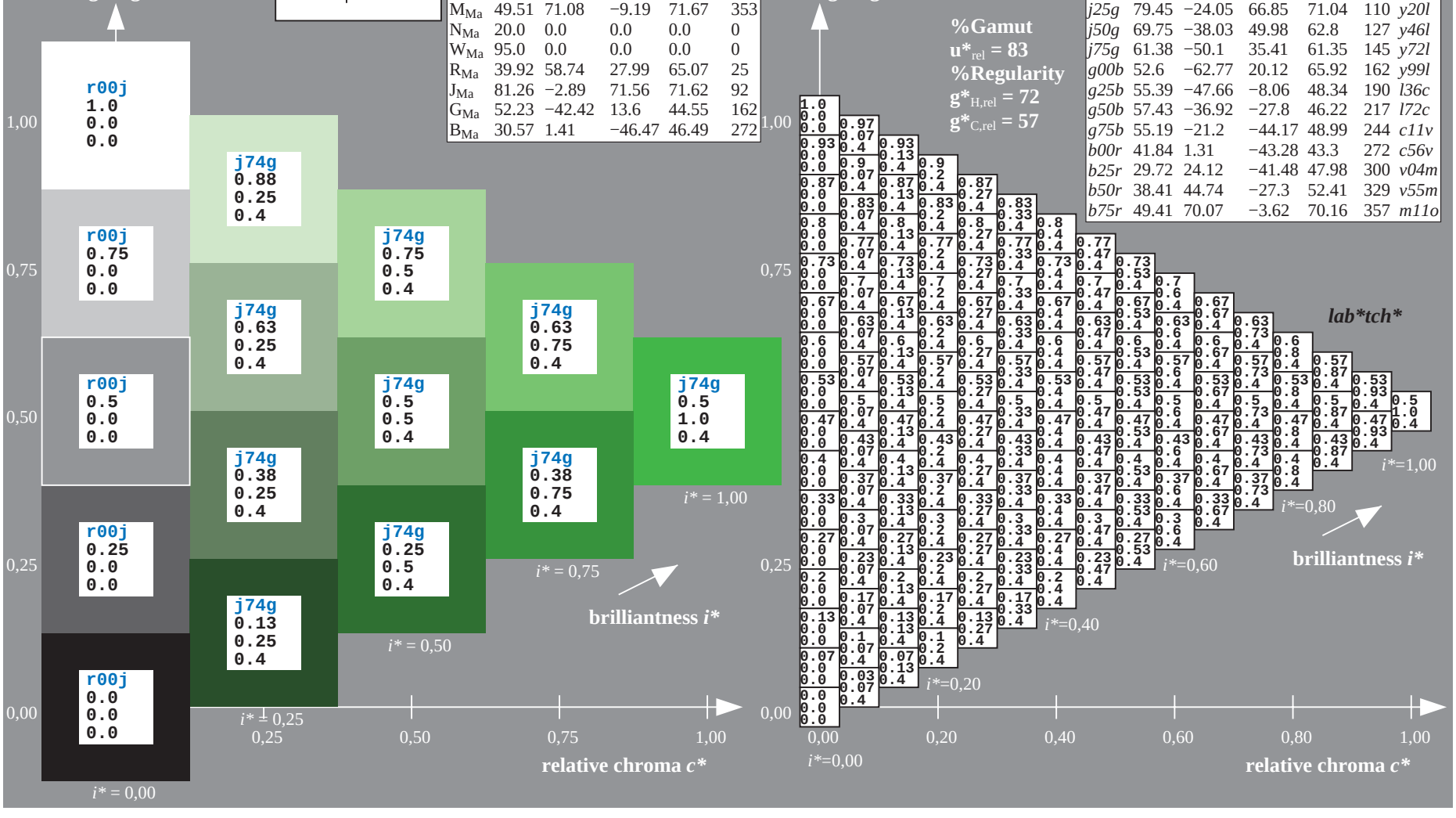
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 61 −50 35
*LAB*LCH**$_{Ma}$: 61 61 144
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.27 1.0 0.0
triangle lightness *t**

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

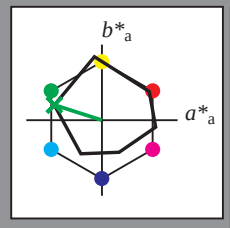
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *g00b* u^*_d = *y99l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

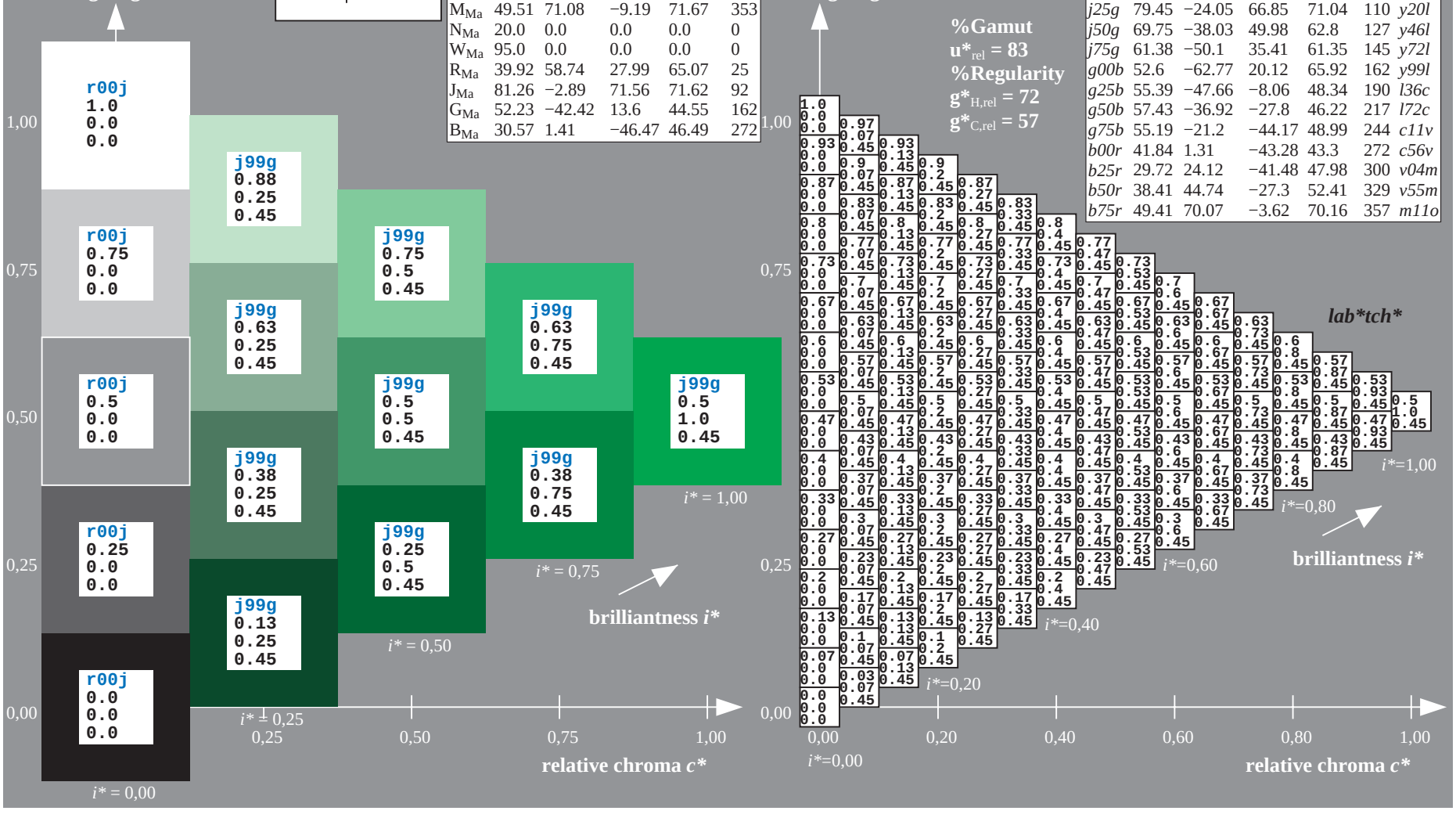
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 53 −63 20
*LAB*LCH**$_{Ma}$: 53 66 162
*lab*rgb**$_{Ma}$: 0.0 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.0
triangle lightness *t**

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

u^*_e = *g00b*
*lab*tch**

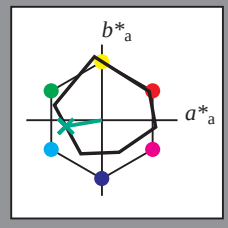
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *g25b* u^*_d = *l36c*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

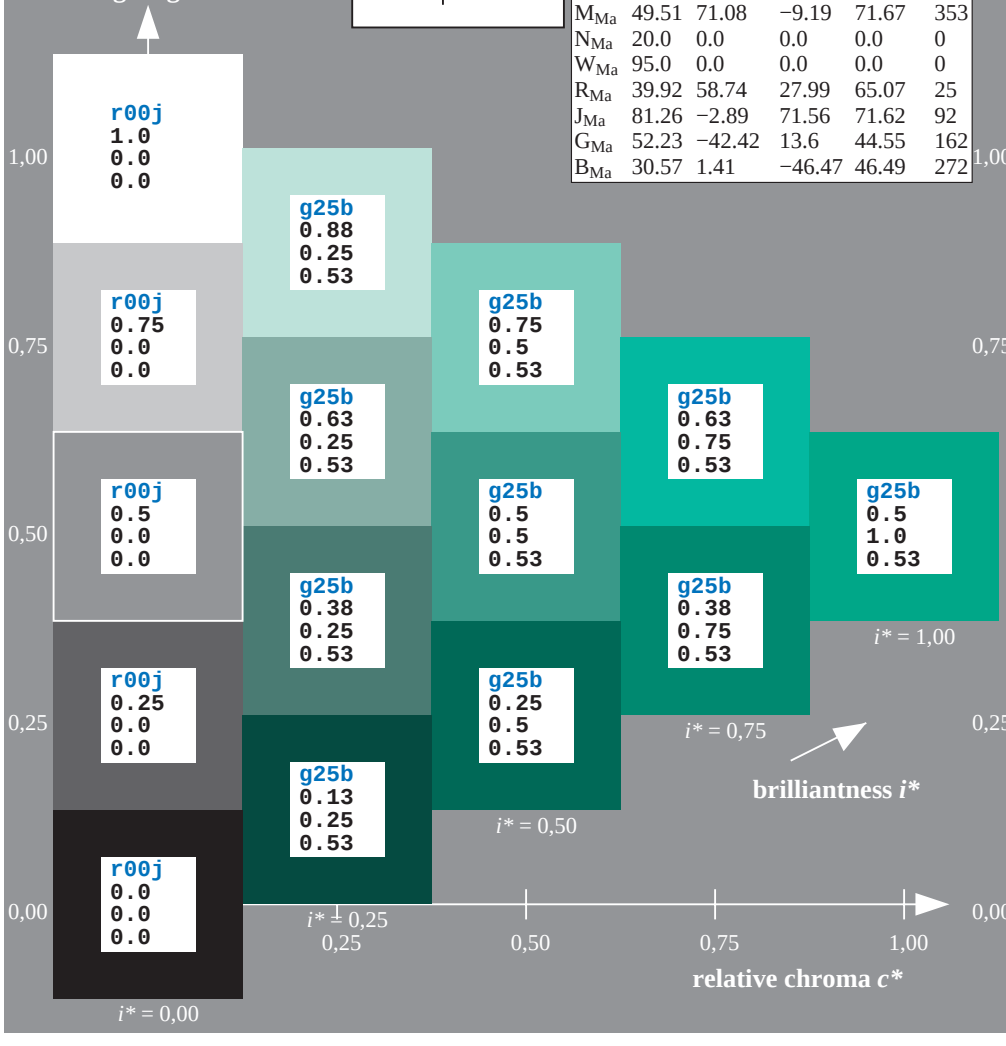
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −48 −8
*LAB*LCH**$_{Ma}$: 55 48 189
*lab*rgb**$_{Ma}$: 0.0 1.0 0.5
*lab*olv**$_{Ma}$: 0.0 1.0 0.36
triangle lightness *t**

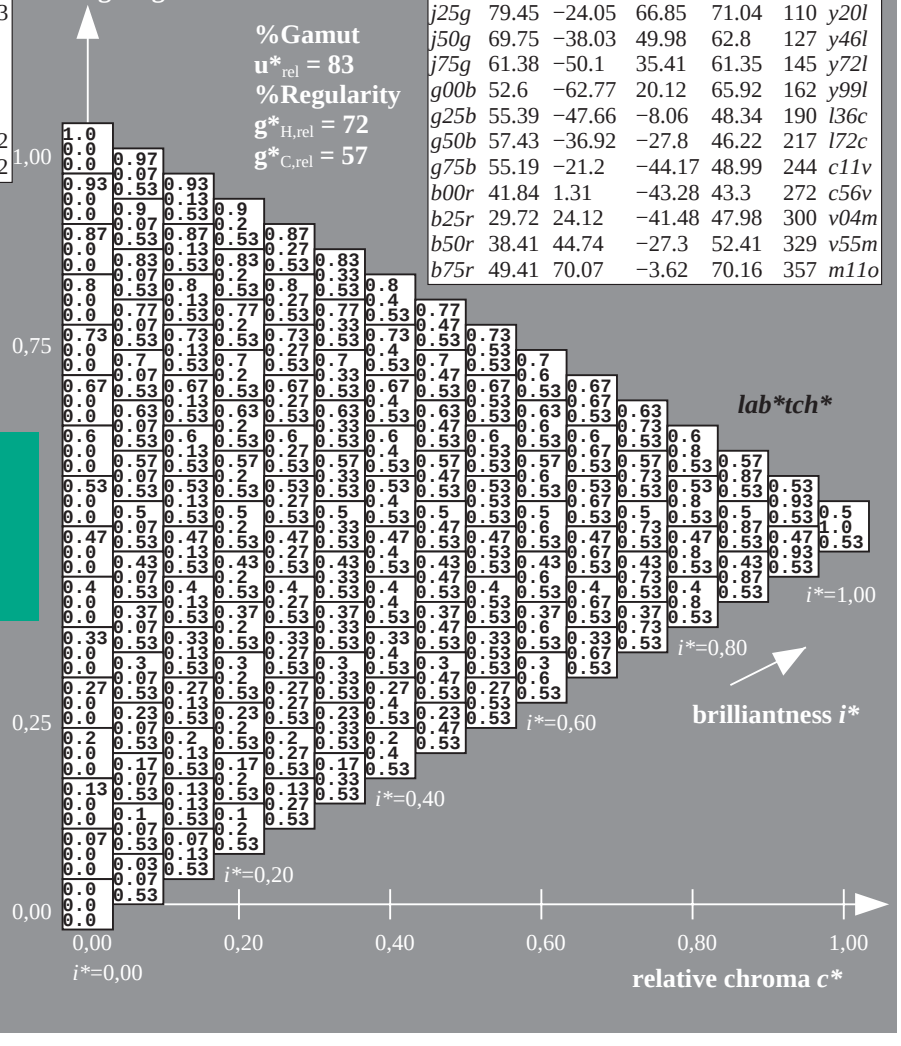
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u^*_e = *g25b*
*lab*tch**

ORS20_95a; adapted (a) CIELAB data

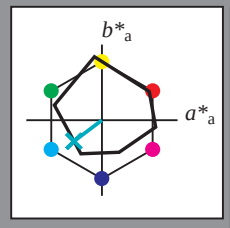
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *g50b* u^*_d = *l72c*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

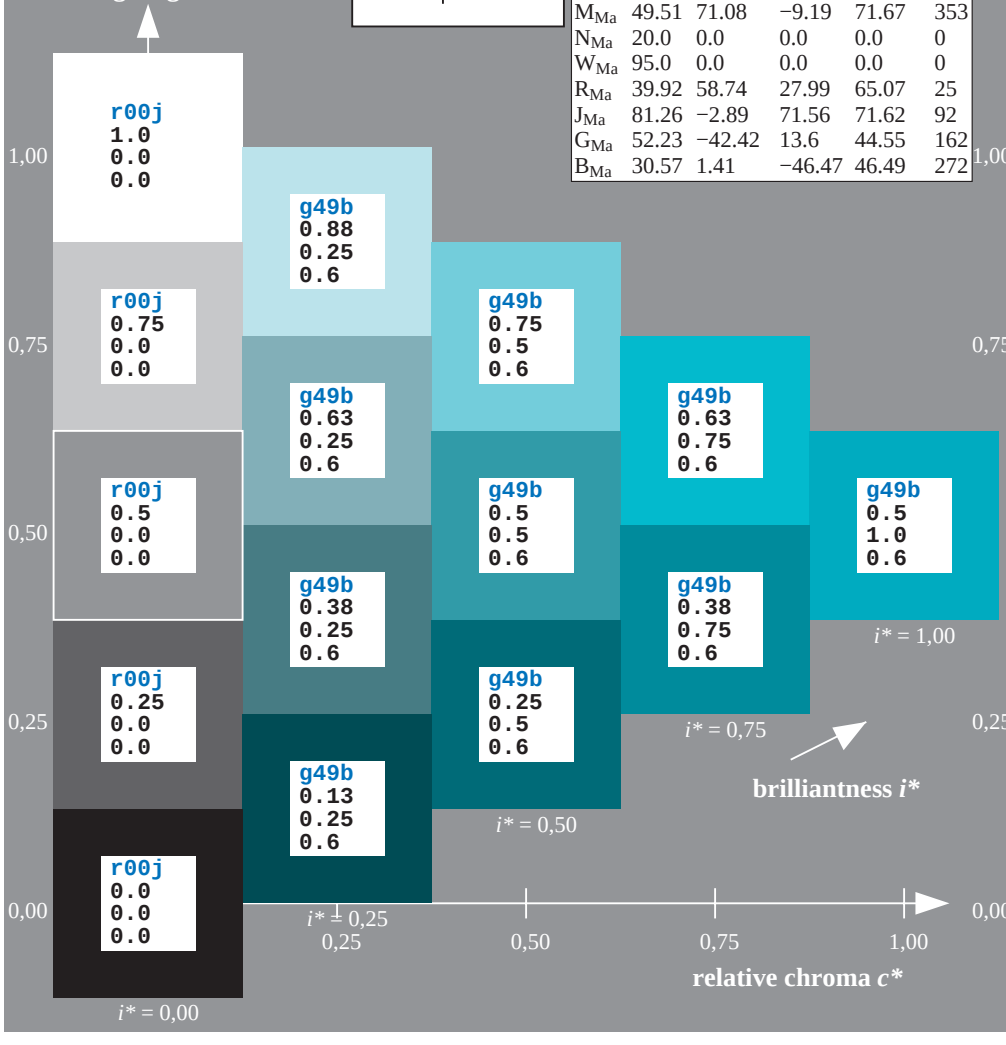
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

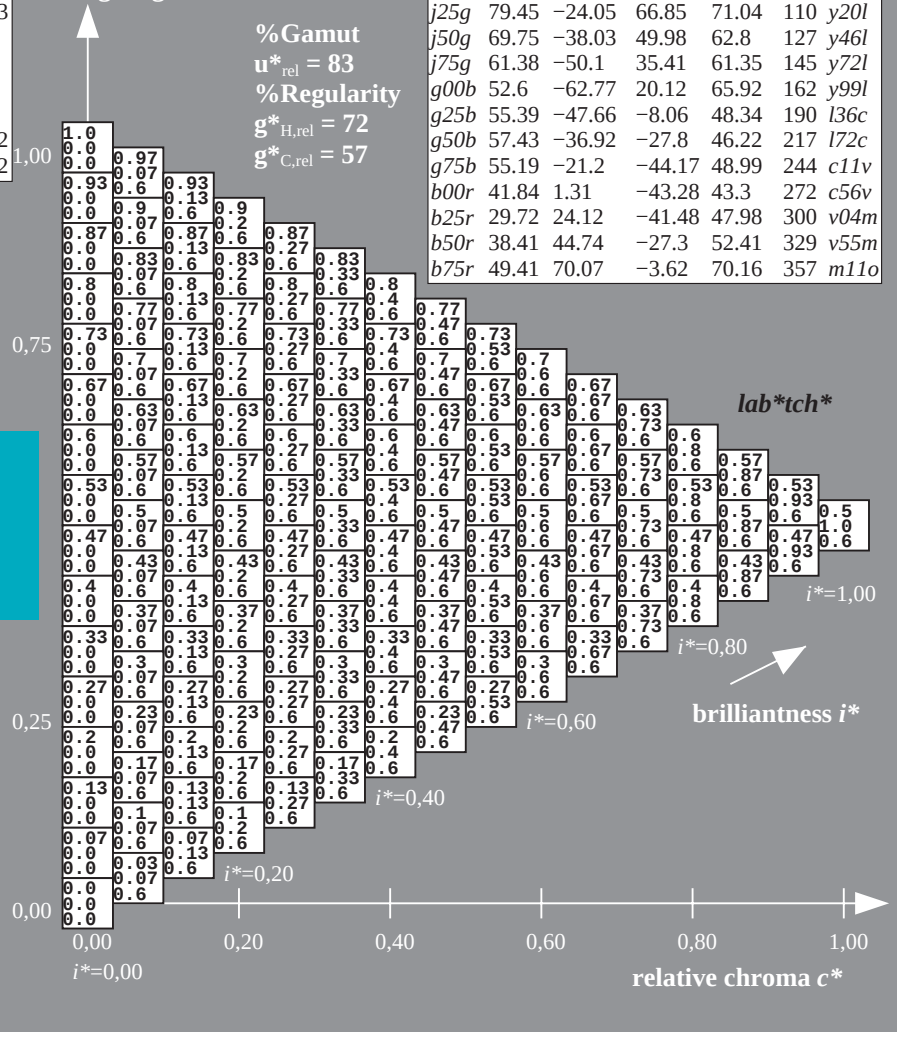
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 57 −37 −28
*LAB*LCH**$_{Ma}$: 57 46 216
*lab*rgb**$_{Ma}$: 0.0 1.0 1.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.72
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

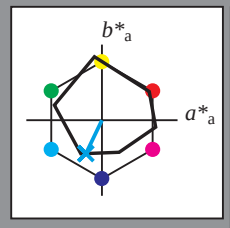
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g75b$ $u^*_d = c11v$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

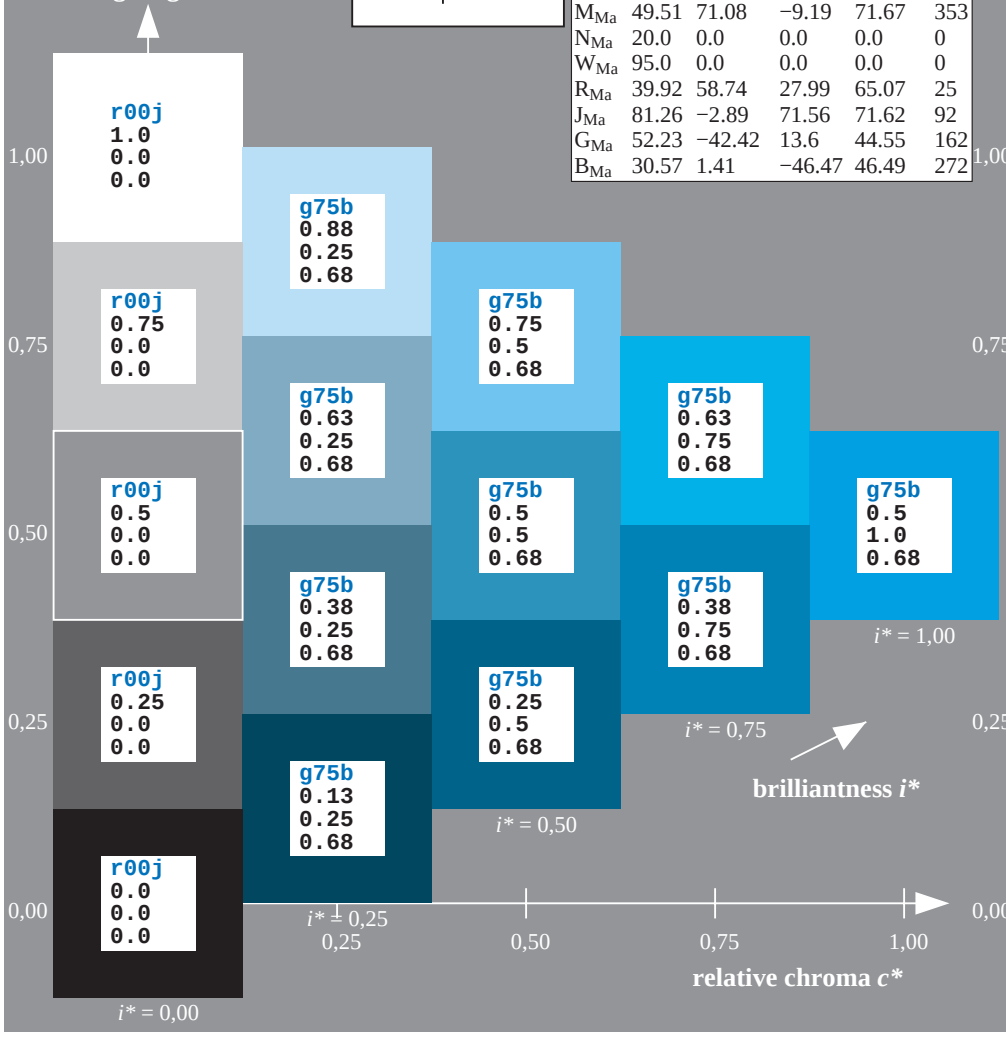
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −21 −44
*LAB*LCH**$_{Ma}$: 55 49 244
*lab*rgb**$_{Ma}$: 0.0 0.5 1.0
*lab*olv**$_{Ma}$: 0.0 0.89 1.0
triangle lightness *t**

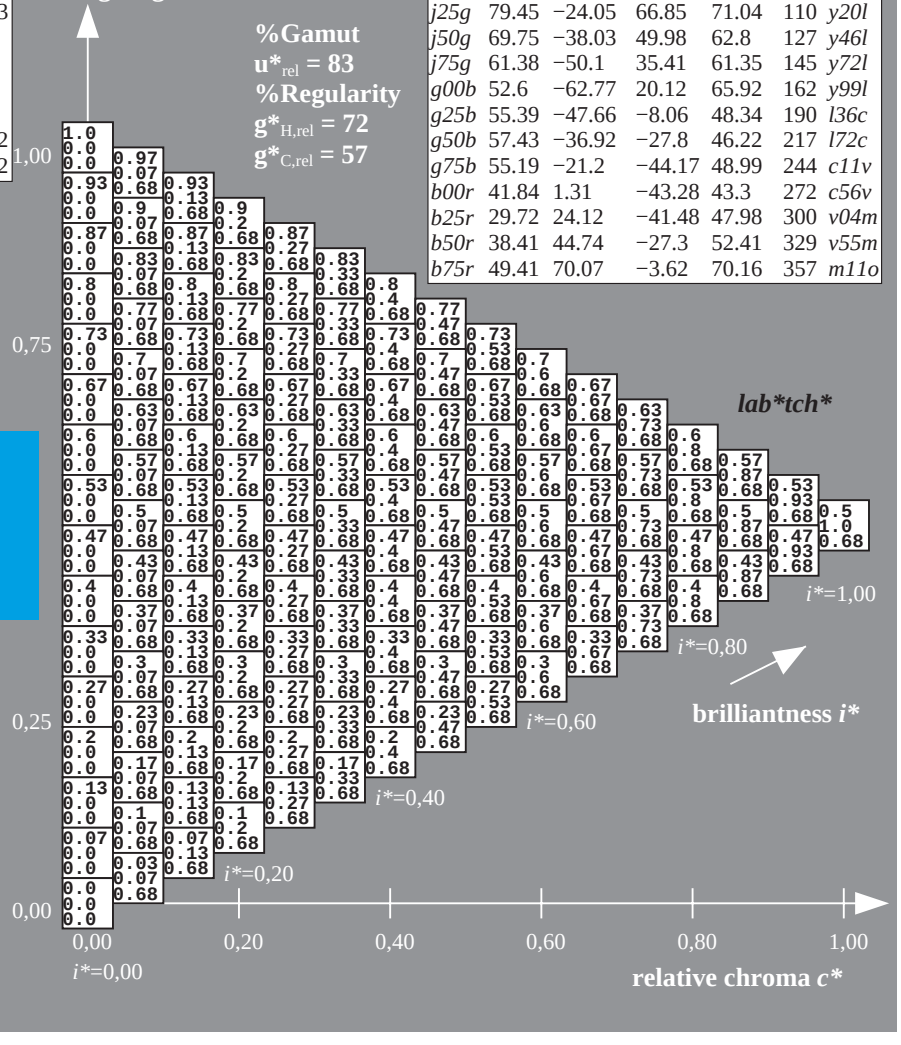
%Gamut
$u^*_{rel} = 83$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

$u^*_e = g75b$
*lab*tch**

ORS20_95a; adapted (a) CIELAB data

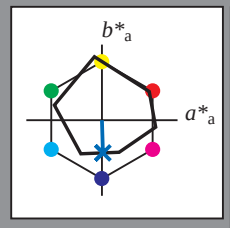
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b00r* u^*_d = *c56v*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

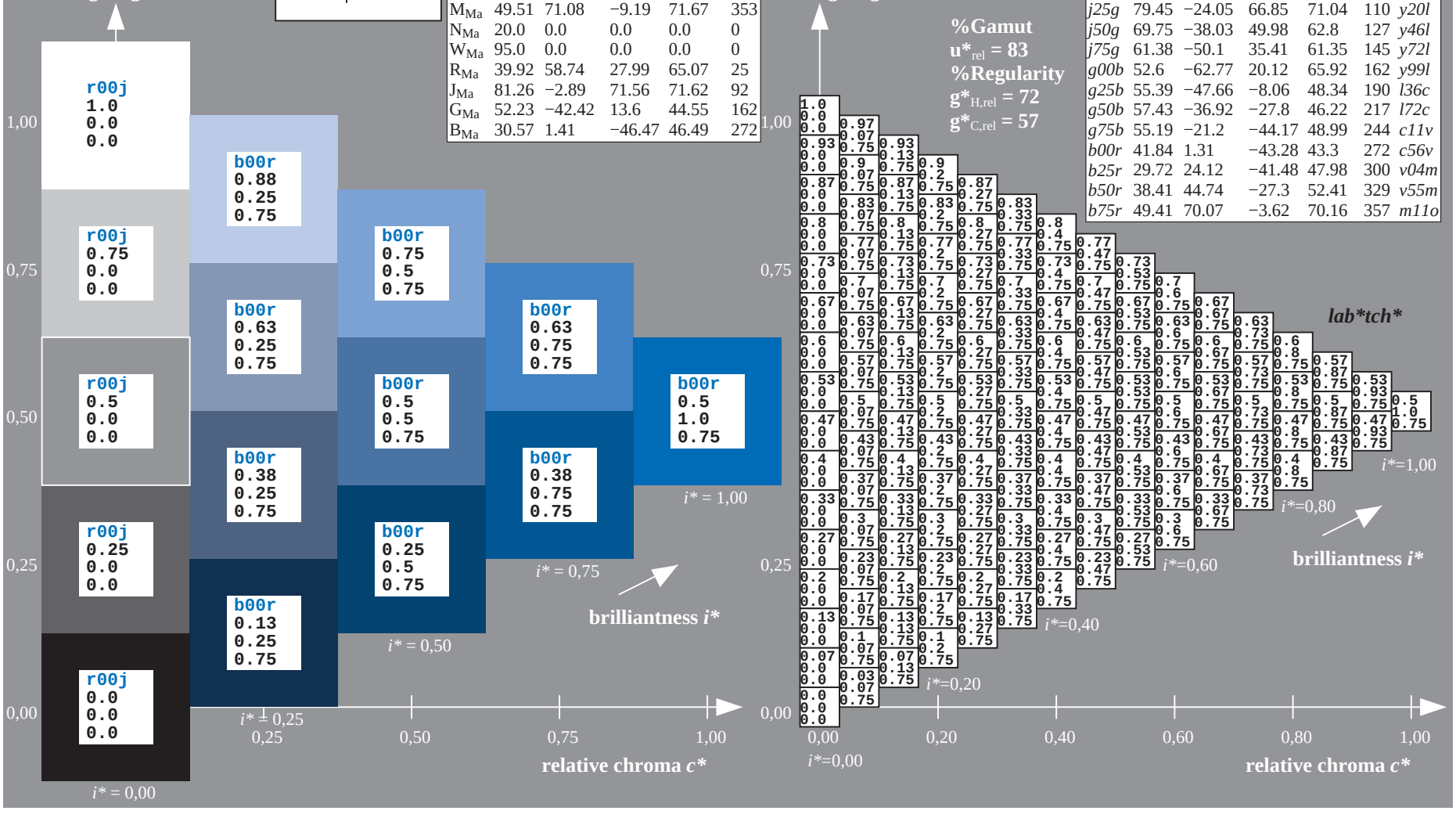
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 1 −43
*LAB*LCH**$_{Ma}$: 42 43 271
*lab*rgb**$_{Ma}$: 0.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.0 0.44 1.0
triangle lightness *t**

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

u^*_e = *b00r*
*lab*tch**

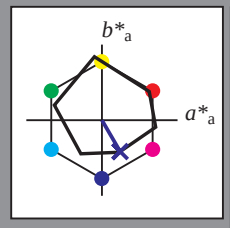
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
u*e = b25r* *u*d = v04m
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

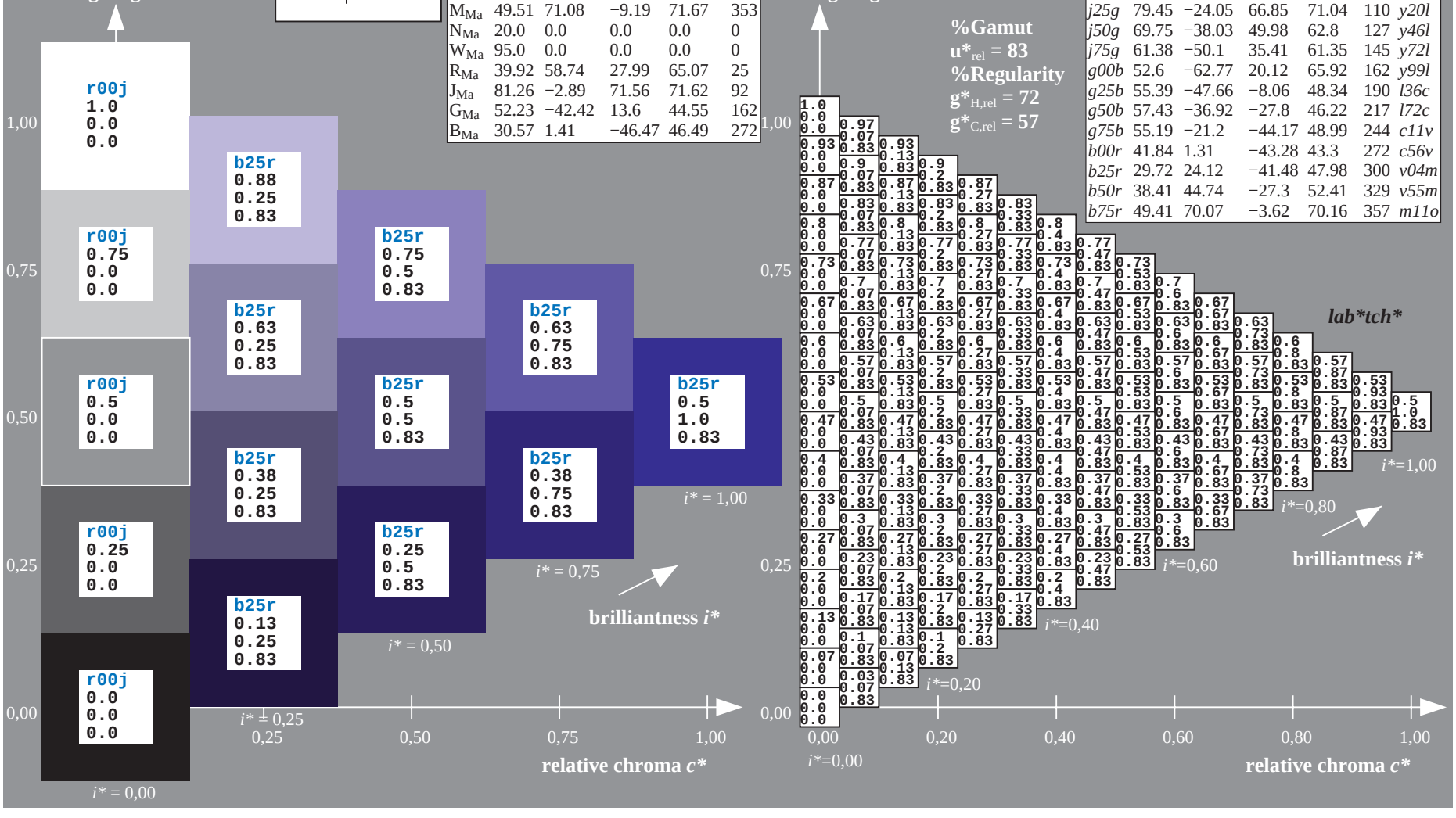
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 30 24 −41**
***LAB*LCH**Ma*: 30 48 300**
***lab*rgb**Ma*: 0.5 0.0 1.0**
***lab*olv**Ma*: 0.04 0.0 1.0**
triangle lightness *t**

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

u*e = b25r
lab*tch*

ORS20_95a; adapted (a) CIELAB data

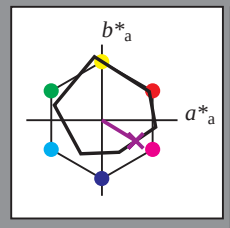
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b50r* u^*_d = *v55m*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

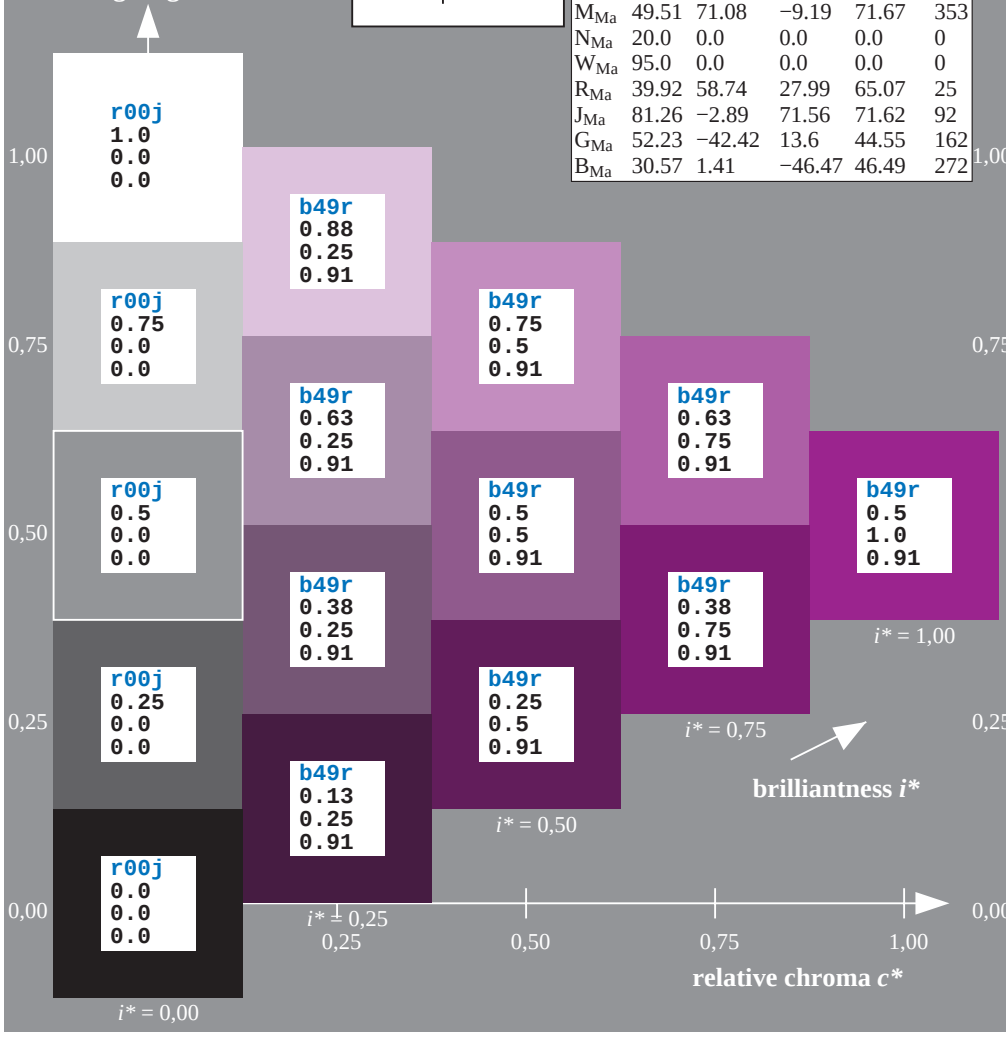
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 38 45 −27
*LAB*LCH**$_{Ma}$: 38 52 328
*lab*rgb**$_{Ma}$: 1.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.56 0.0 1.0
triangle lightness *t**

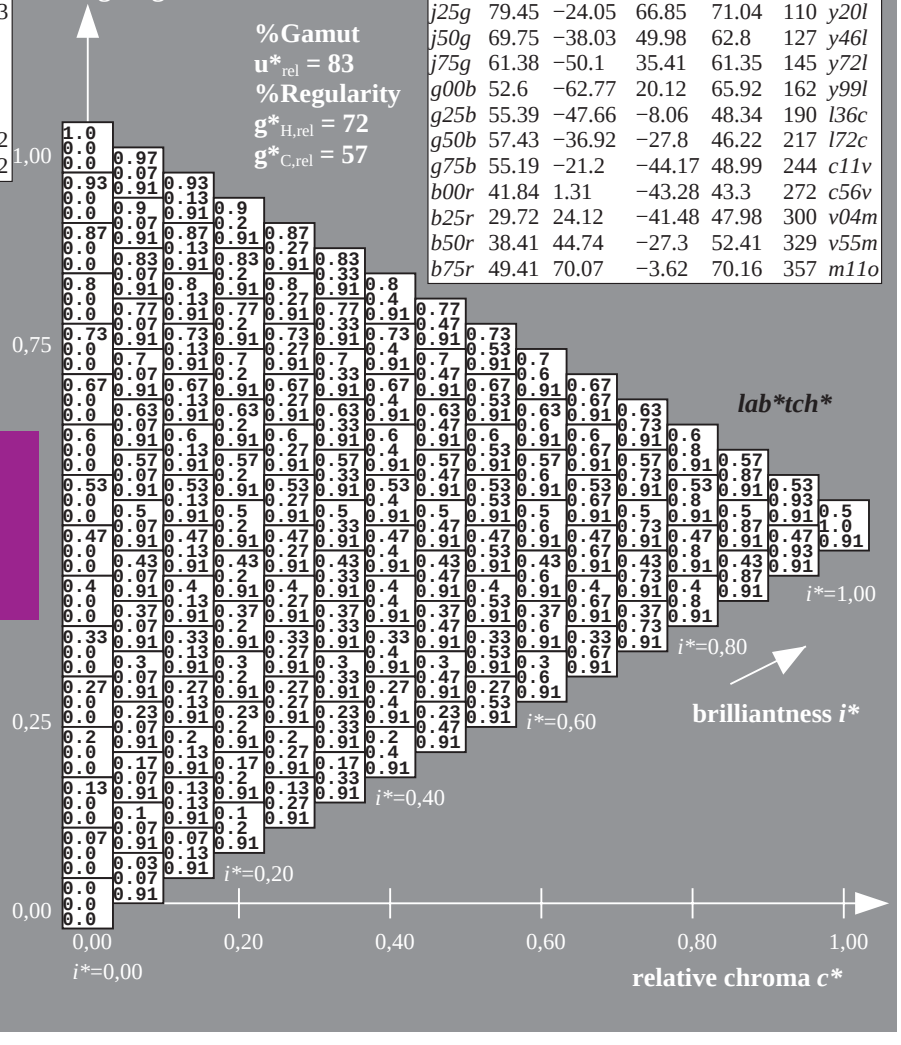
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u^*_e = *b50r*
*lab*tch**

ORS20_95a; adapted (a) CIELAB data

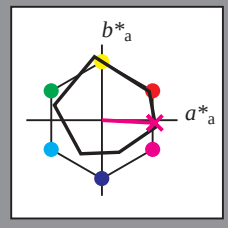
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b75r* u^*_d = *m11o*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

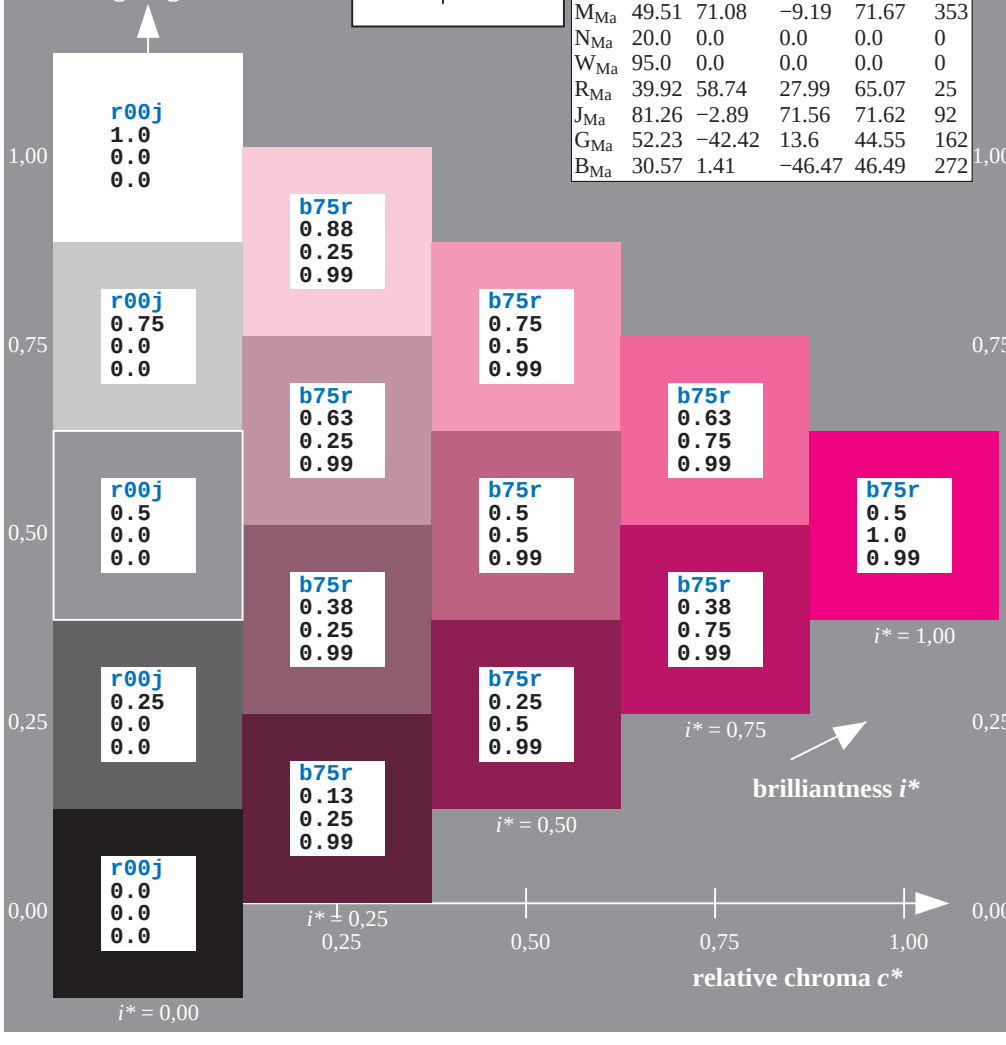
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 49 70 −4
*LAB*LCH**$_{Ma}$: 49 70 357
*lab*rgb**$_{Ma}$: 1.0 0.0 0.5
*lab*olv**$_{Ma}$: 1.0 0.0 0.89
triangle lightness *t**

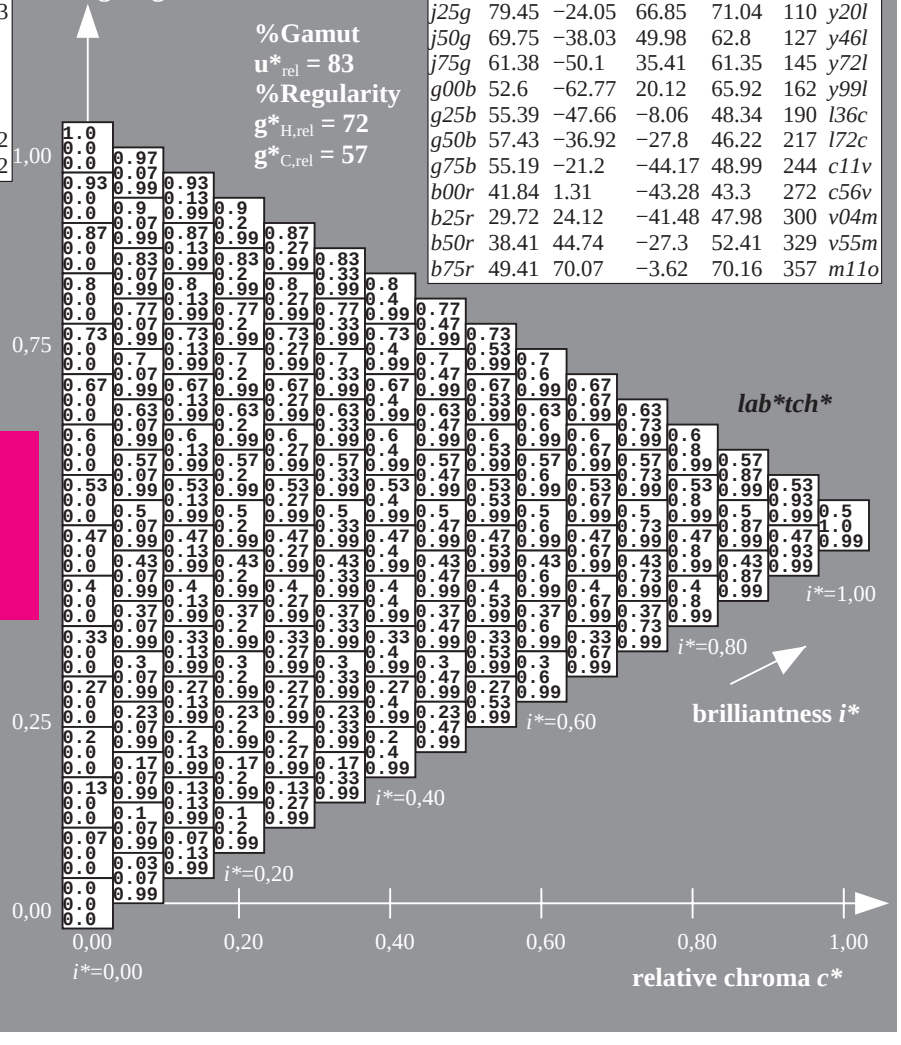
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

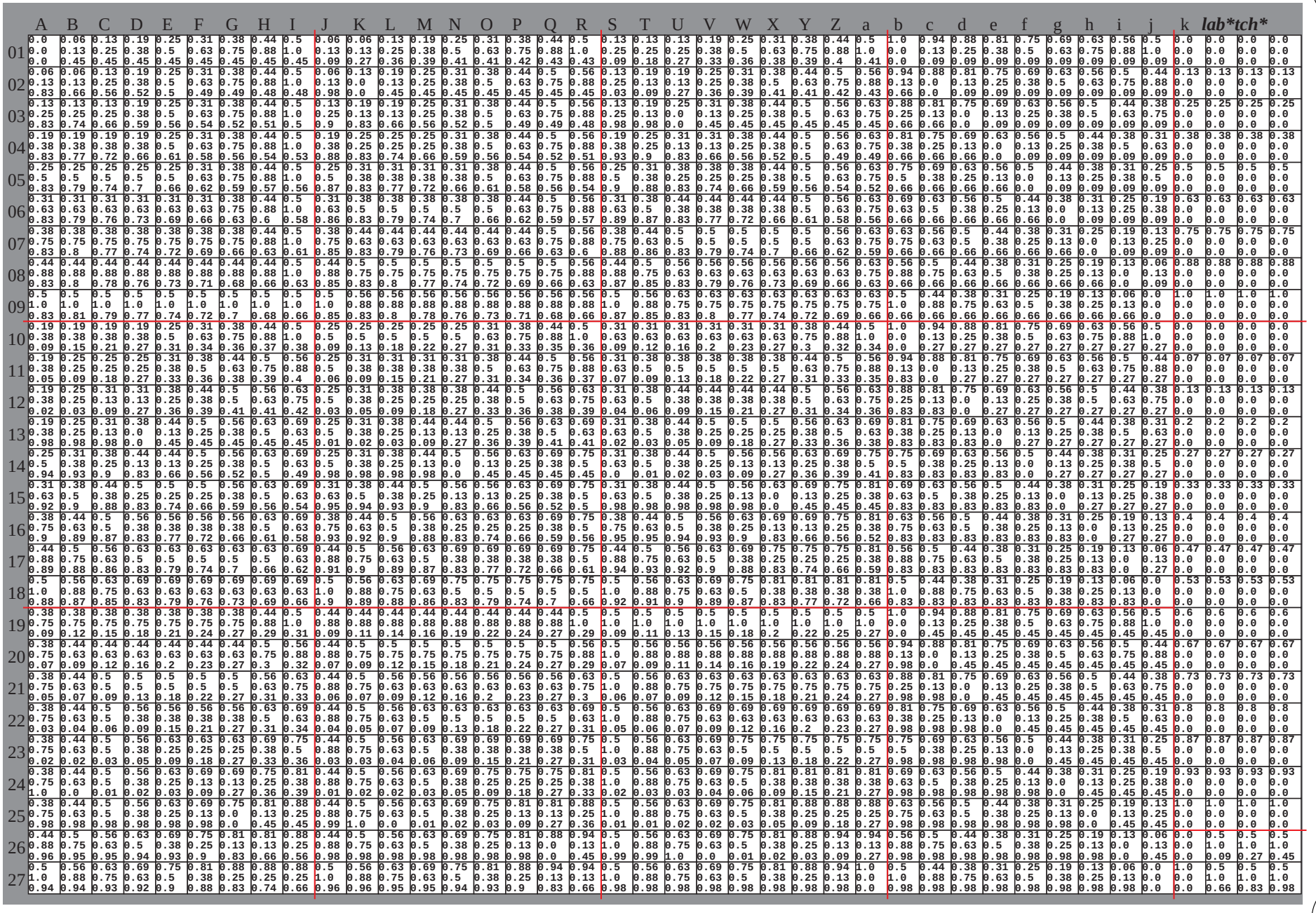
u^*_e = *b75r*
*lab*tch**

ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



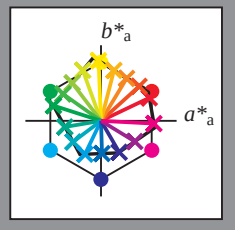




Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 0.96

ORS20_95a; adapted (a) CIELAB data

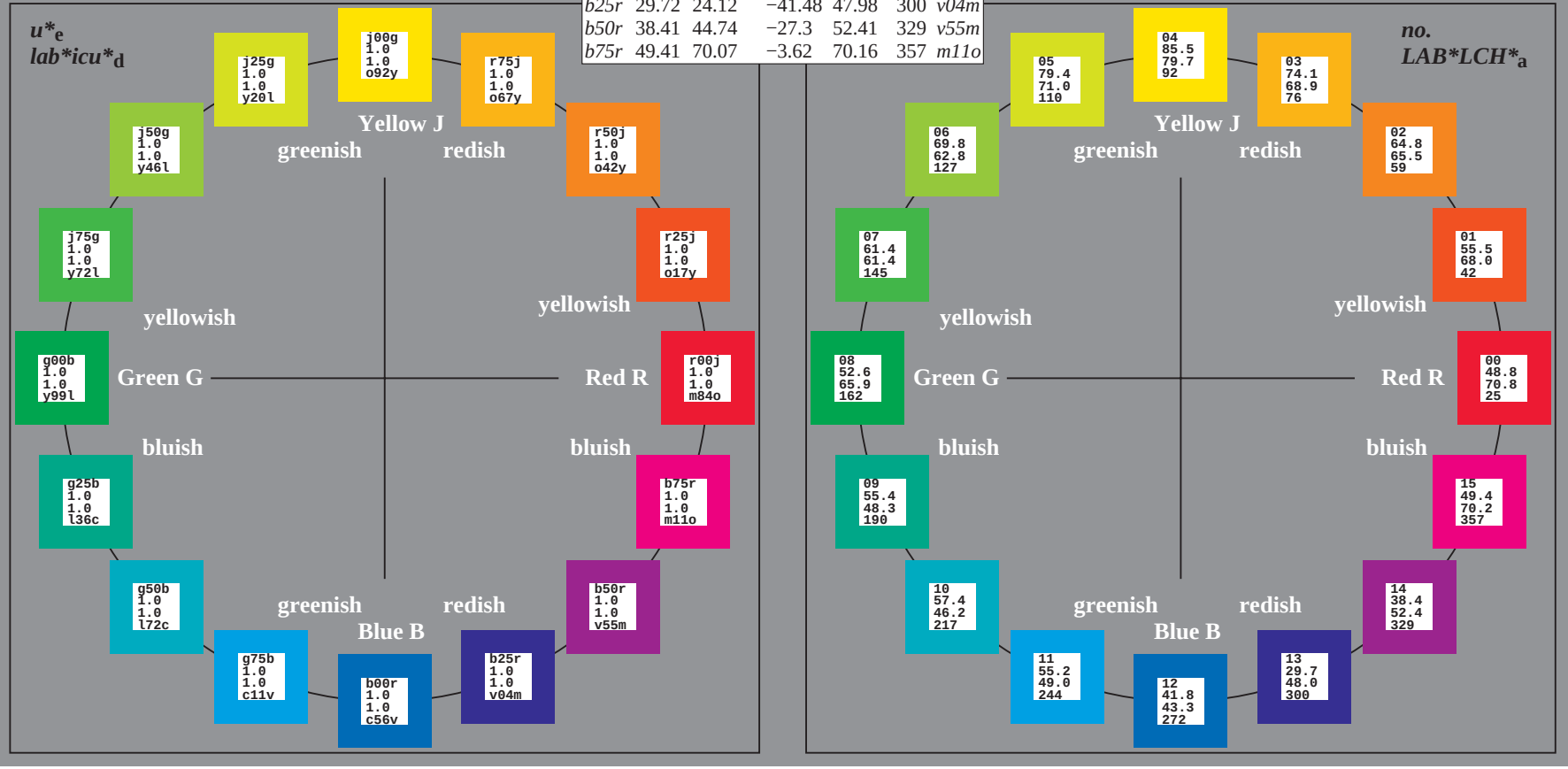
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

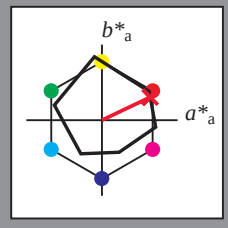
ORS20_95a; adapted (a) CIELAB data

Name	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r00j* u^*_d = *m84o*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

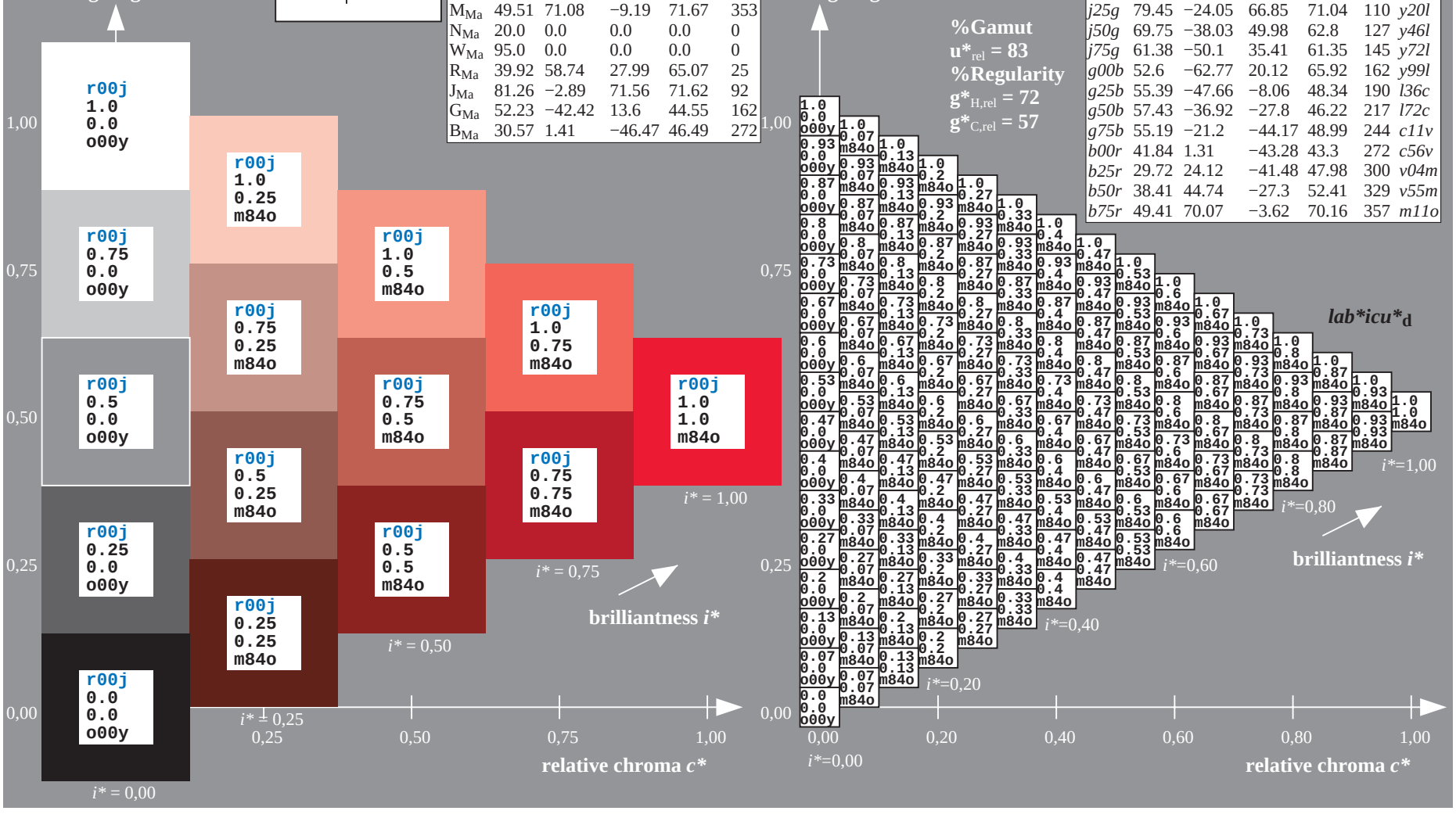
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 49 64 30
*LAB*LCH**$_{Ma}$: 49 71 25
*lab*rgb**$_{Ma}$: 1.0 0.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.0 0.15
triangle lightness *t**

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

u^*_e = *r00j*
*lab*icu**$_d$

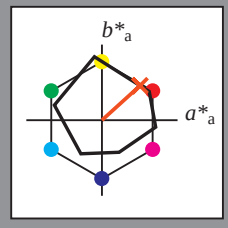
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r25j* u^*_d = *o17y*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

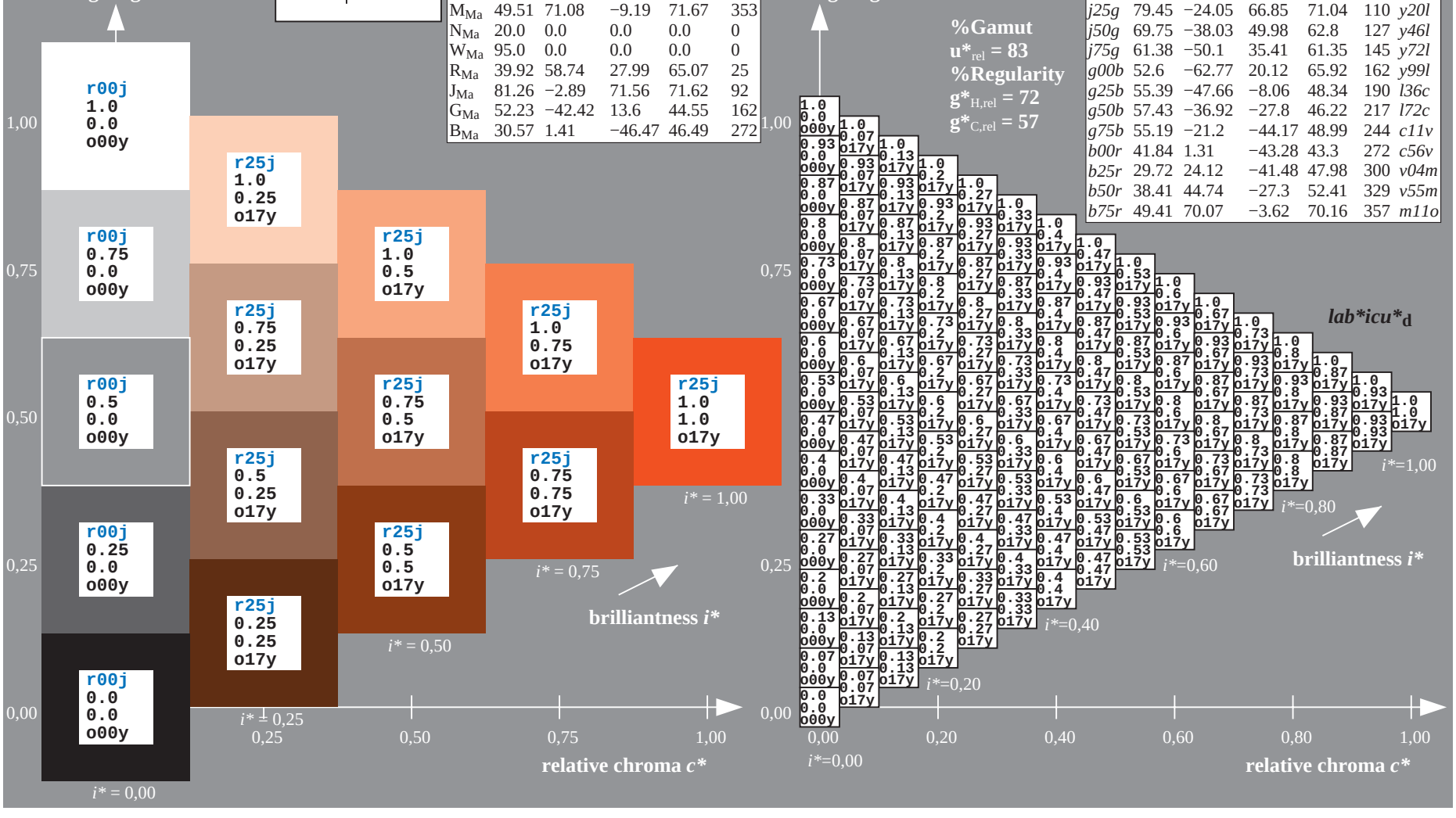
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 56 50 46
*LAB*LCH**$_{Ma}$: 56 68 42
*lab*rgb**$_{Ma}$: 1.0 0.25 0.0
*lab*olv**$_{Ma}$: 1.0 0.17 0.0
triangle lightness *t**

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

u^*_e = *r25j*
*lab*icu**$_d$

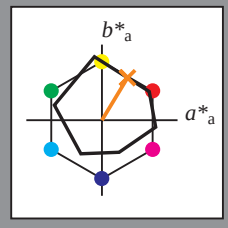
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = r50j$ $u^*_d = o42y$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

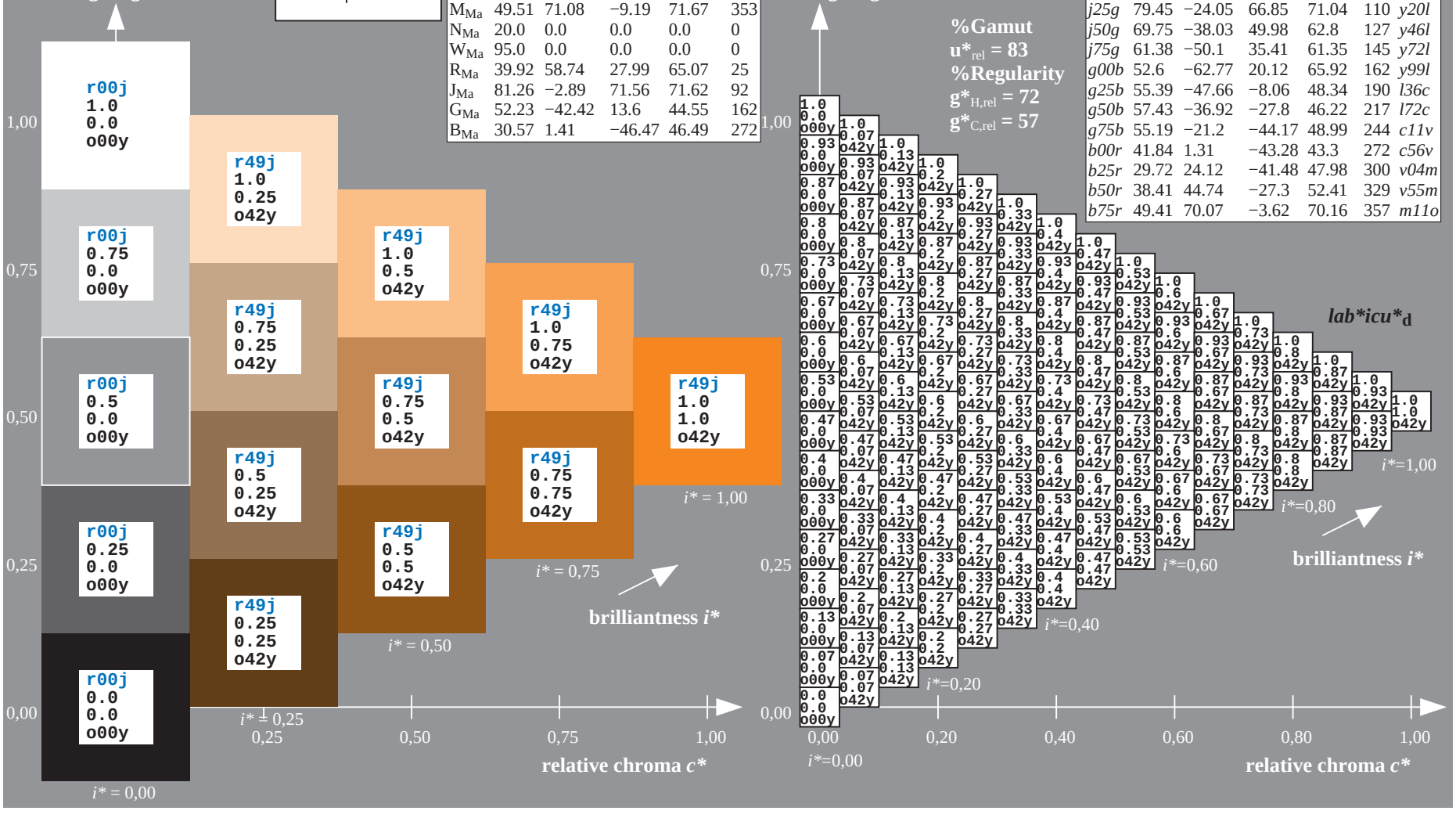
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 65 34 56
$LAB^*LCH^*_{Ma}$: 65 66 58
$lab^*rgb^*_{Ma}$: 1.0 0.5 0.0
$lab^*olv^*_{Ma}$: 1.0 0.42 0.0
triangle lightness *t**

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

$u^*_e = r50j$
$lab^*icu^*_d$

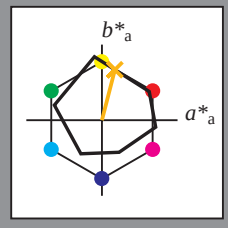
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r75j* u^*_d = *o67y*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

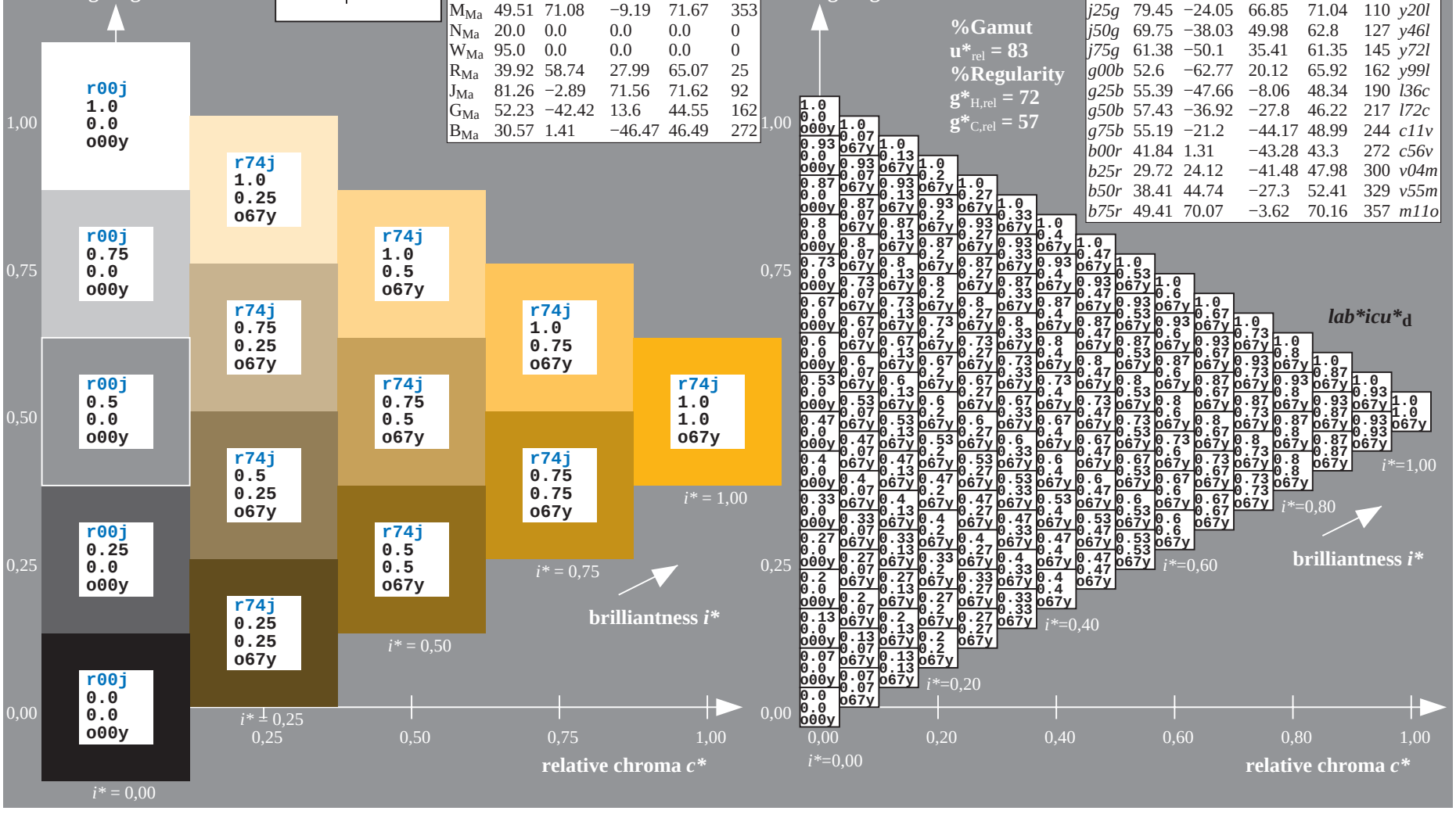
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 74 17 67
*LAB*LCH**$_{Ma}$: 74 69 75
*lab*rgb**$_{Ma}$: 1.0 0.75 0.0
*lab*olv**$_{Ma}$: 1.0 0.68 0.0
triangle lightness *t**

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

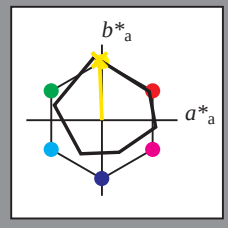
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j00g* u^*_d = *o92y*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

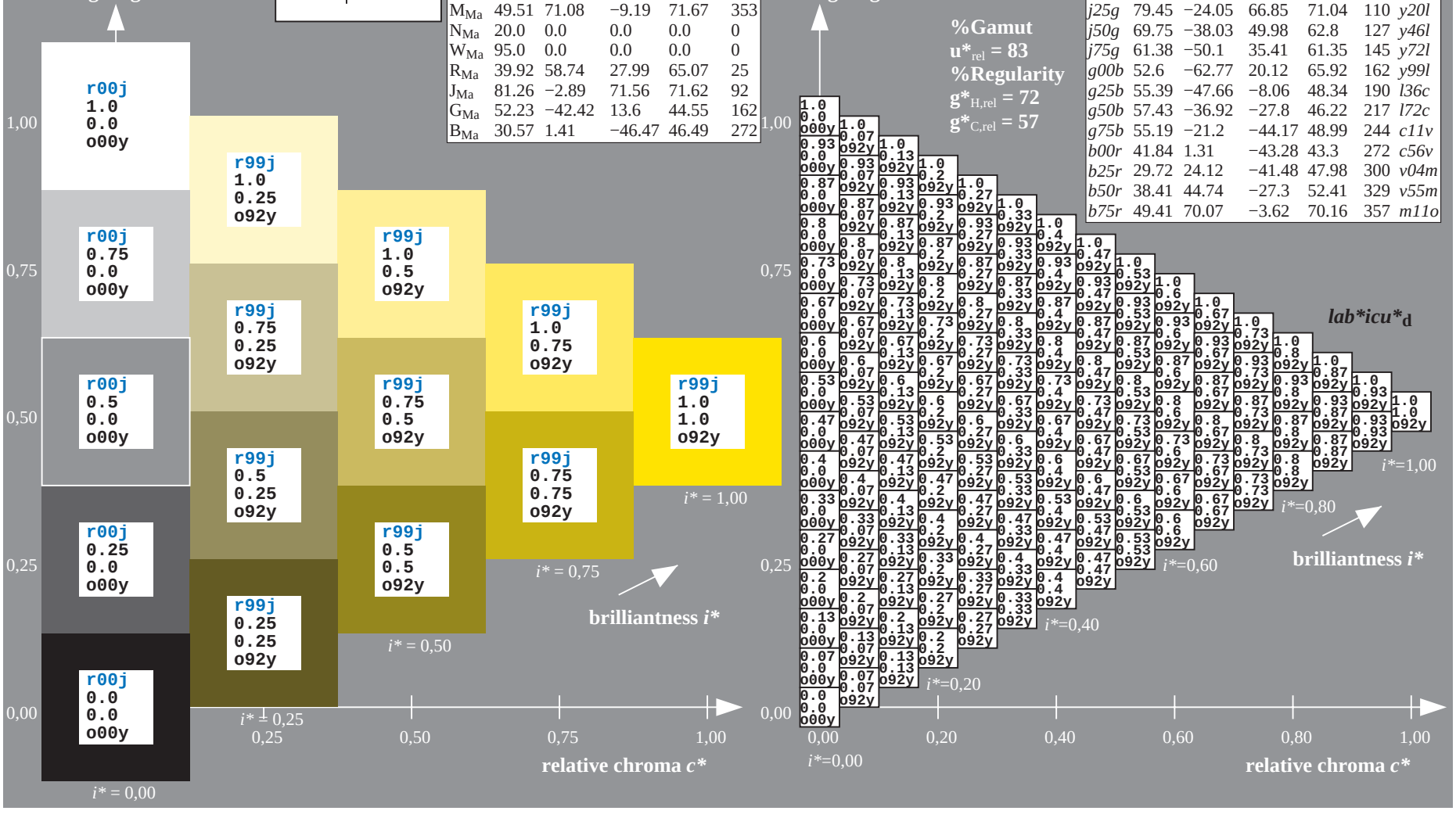
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 86 −3 80
*LAB*LCH**$_{Ma}$: 86 80 92
*lab*rgb**$_{Ma}$: 1.0 1.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.93 0.0
triangle lightness *t**

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

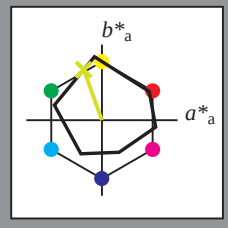
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j25g* u^*_d = *y20l*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

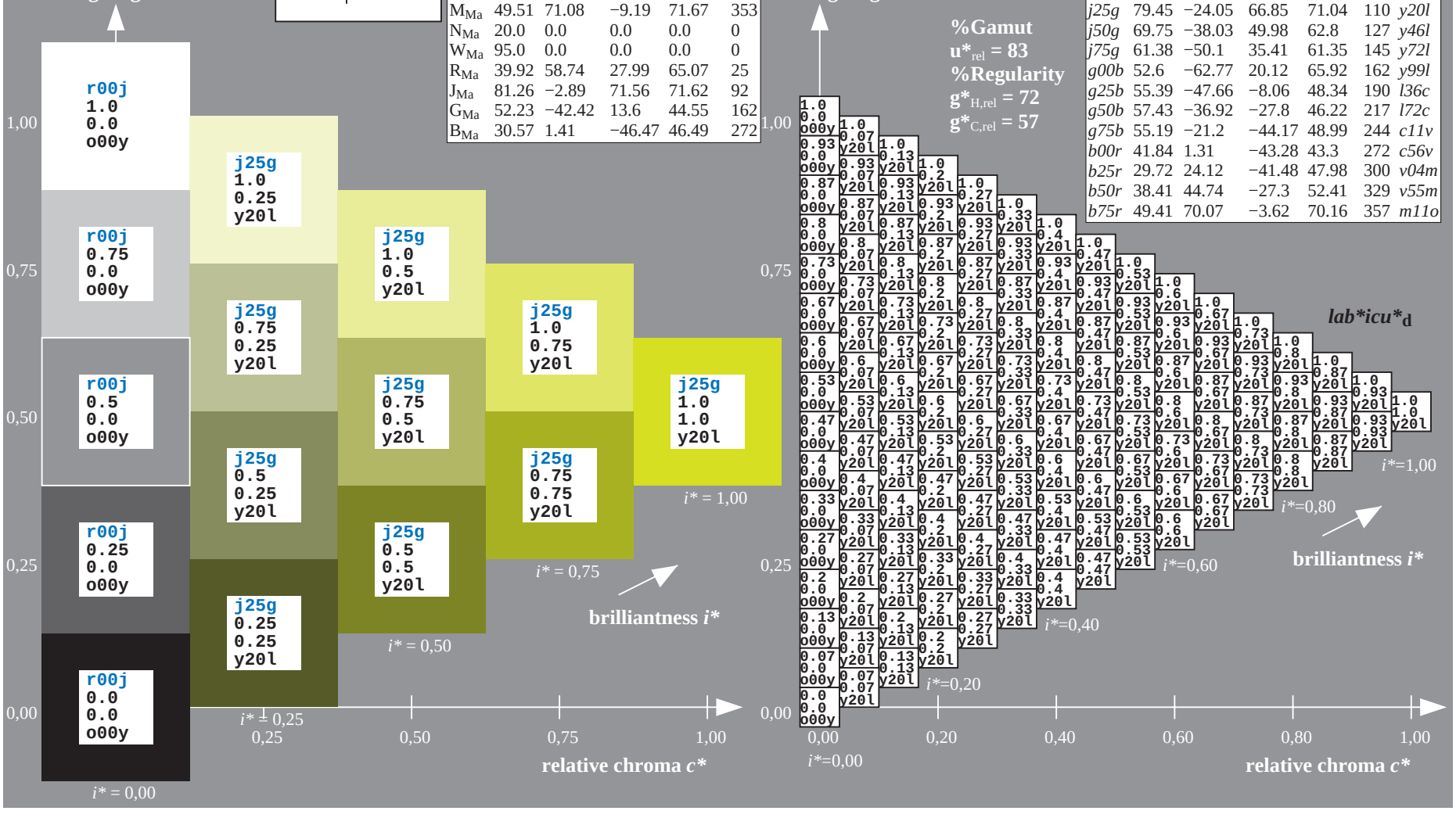
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 79 −24 67
*LAB*LCH**$_{Ma}$: 79 71 109
*lab*rgb**$_{Ma}$: 0.75 1.0 0.0
*lab*olv**$_{Ma}$: 0.8 1.0 0.0
triangle lightness *t**

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

u^*_e = *j25g*
*lab*icu**$_d$

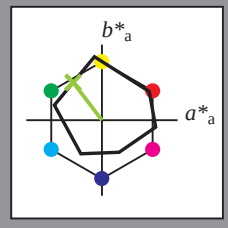
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j50g* u^*_d = *y46l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

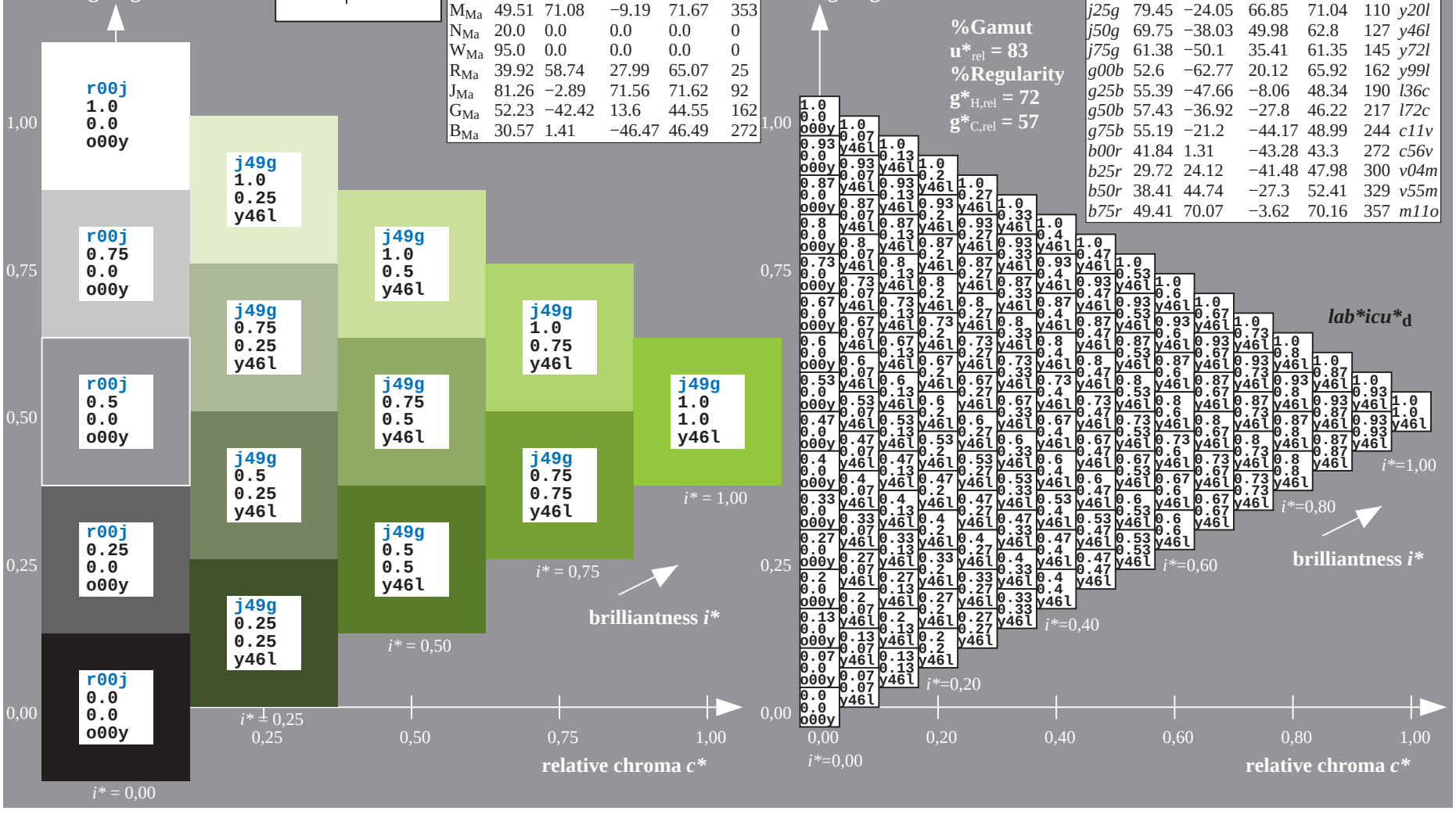
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 70 −38 50
*LAB*LCH**$_{Ma}$: 70 63 127
*lab*rgb**$_{Ma}$: 0.5 1.0 0.0
*lab*olv**$_{Ma}$: 0.54 1.0 0.0
triangle lightness *t**

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

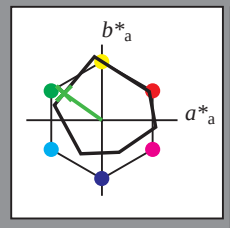
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = j75g$ $u^*_d = y72l$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

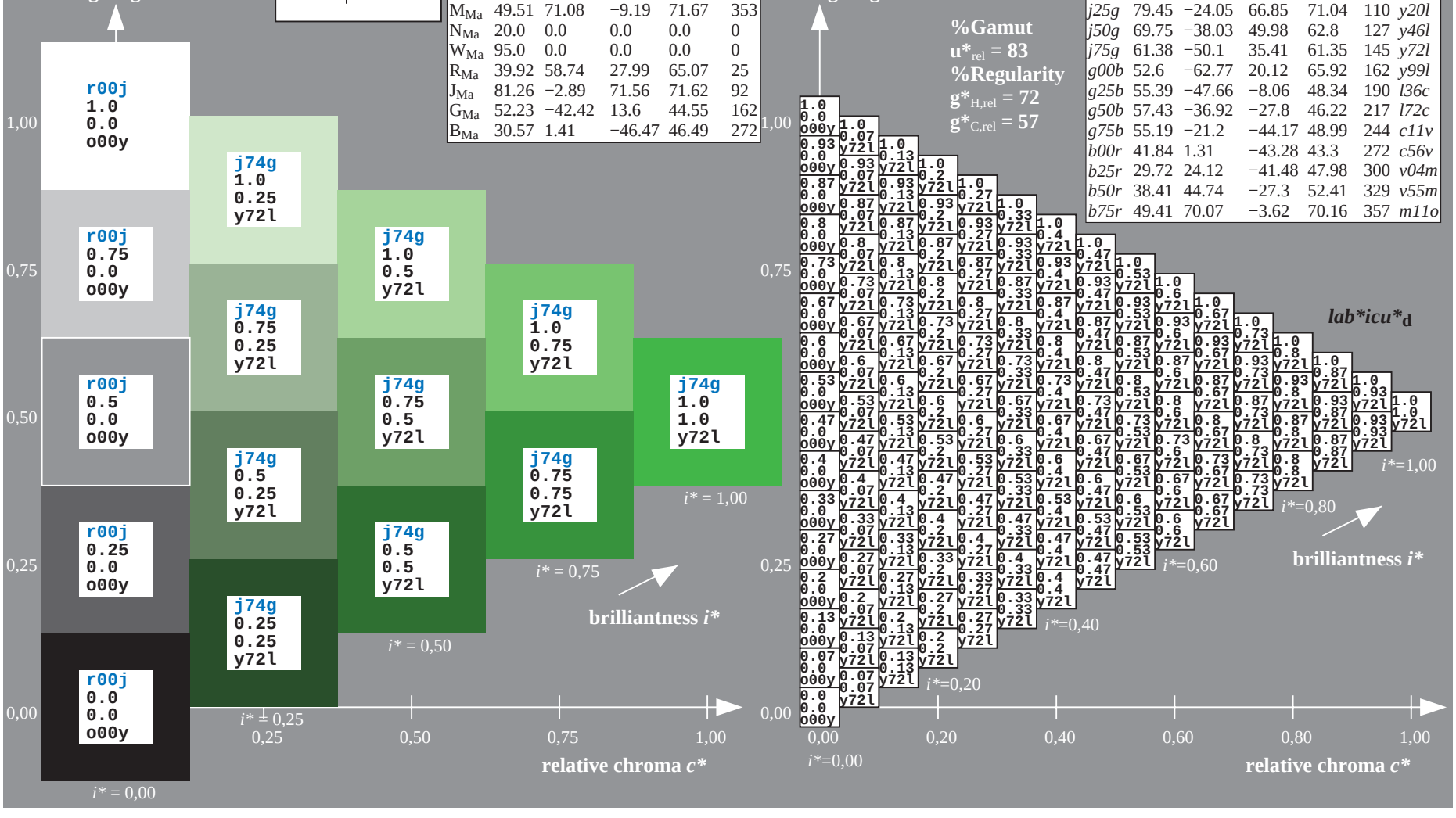
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 61 −50 35
$LAB^*LCH^*_{Ma}$: 61 61 144
$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0
$lab^*olv^*_{Ma}$: 0.27 1.0 0.0
triangle lightness *t**

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

$u^*_e = j75g$
$lab^*icu^*_d$

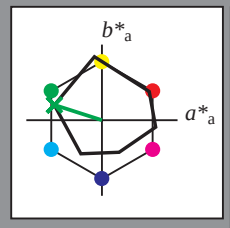
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *g00b* u^*_d = *y99l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

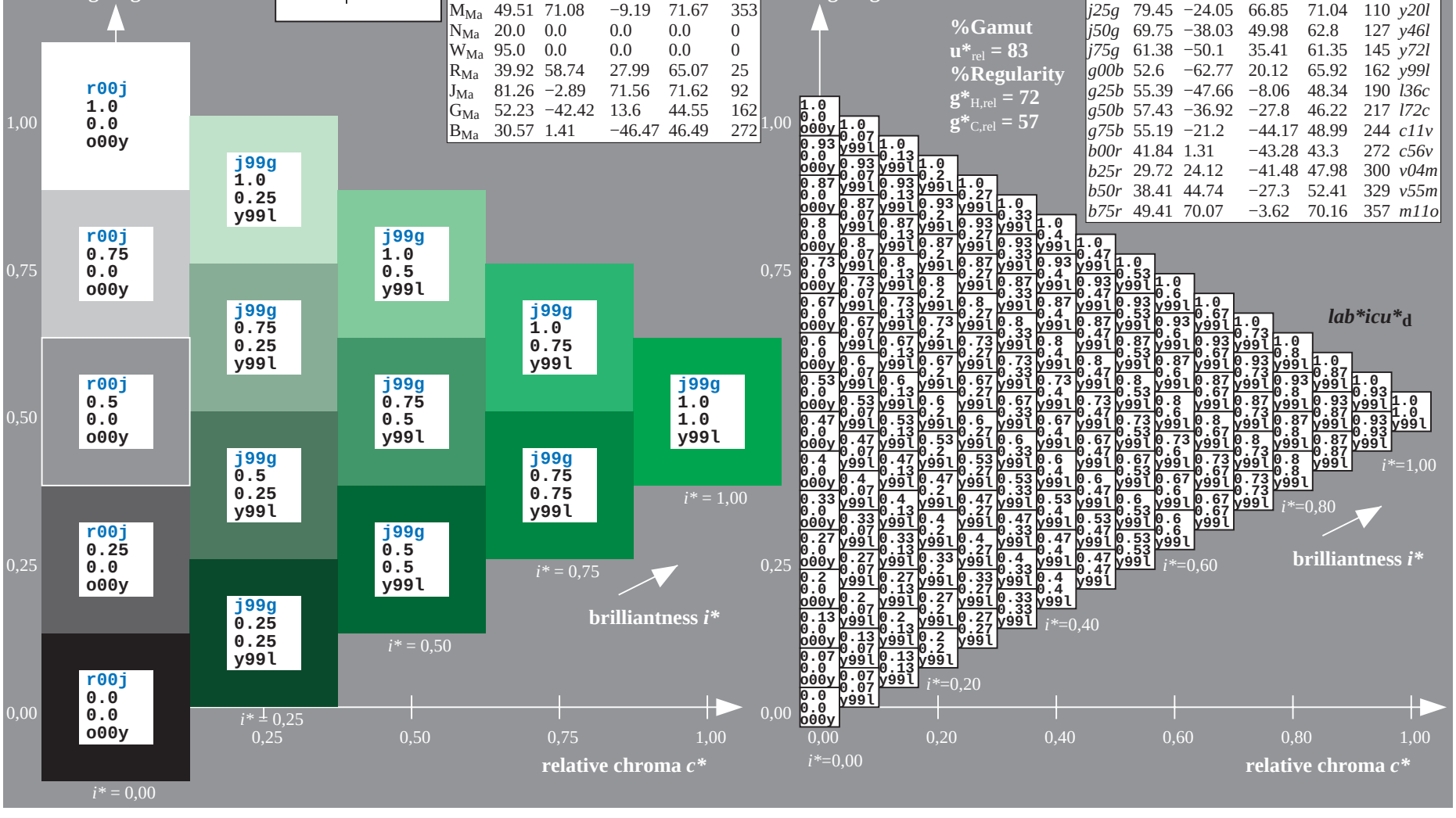
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 53 −63 20
*LAB*LCH**$_{Ma}$: 53 66 162
*lab*rgb**$_{Ma}$: 0.0 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.0
triangle lightness *t**

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

u^*_e = *g00b*
*lab*icu**$_d$

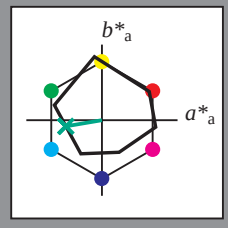
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *g25b* u^*_d = *l36c*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

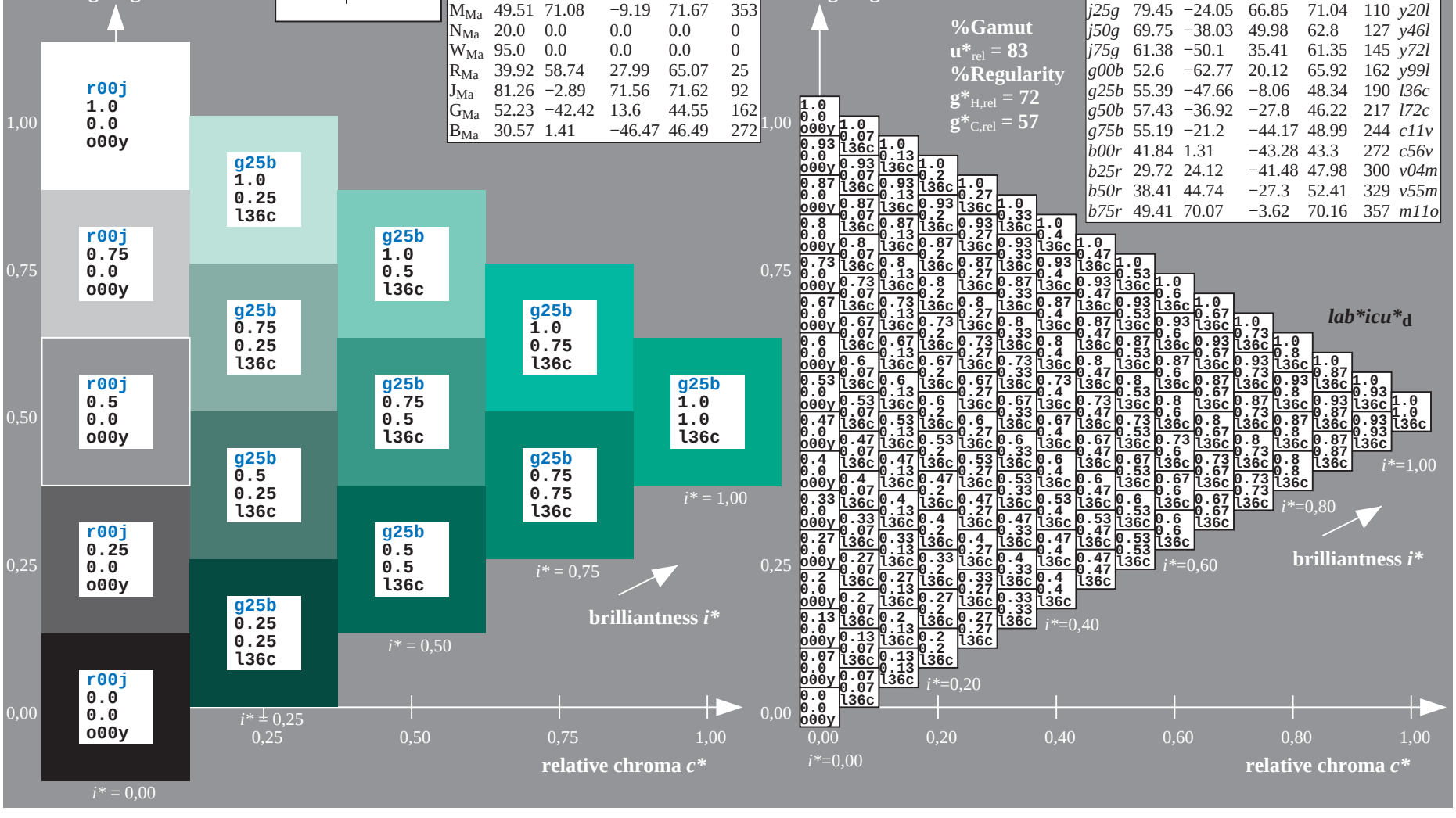
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −48 −8
*LAB*LCH**$_{Ma}$: 55 48 189
*lab*rgb**$_{Ma}$: 0.0 1.0 0.5
*lab*olv**$_{Ma}$: 0.0 1.0 0.36
triangle lightness *t**

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

u^*_e = *g25b*
*lab*icu**$_d$

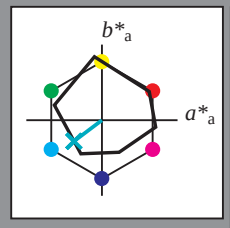
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g50b$ $u^*_d = l72c$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

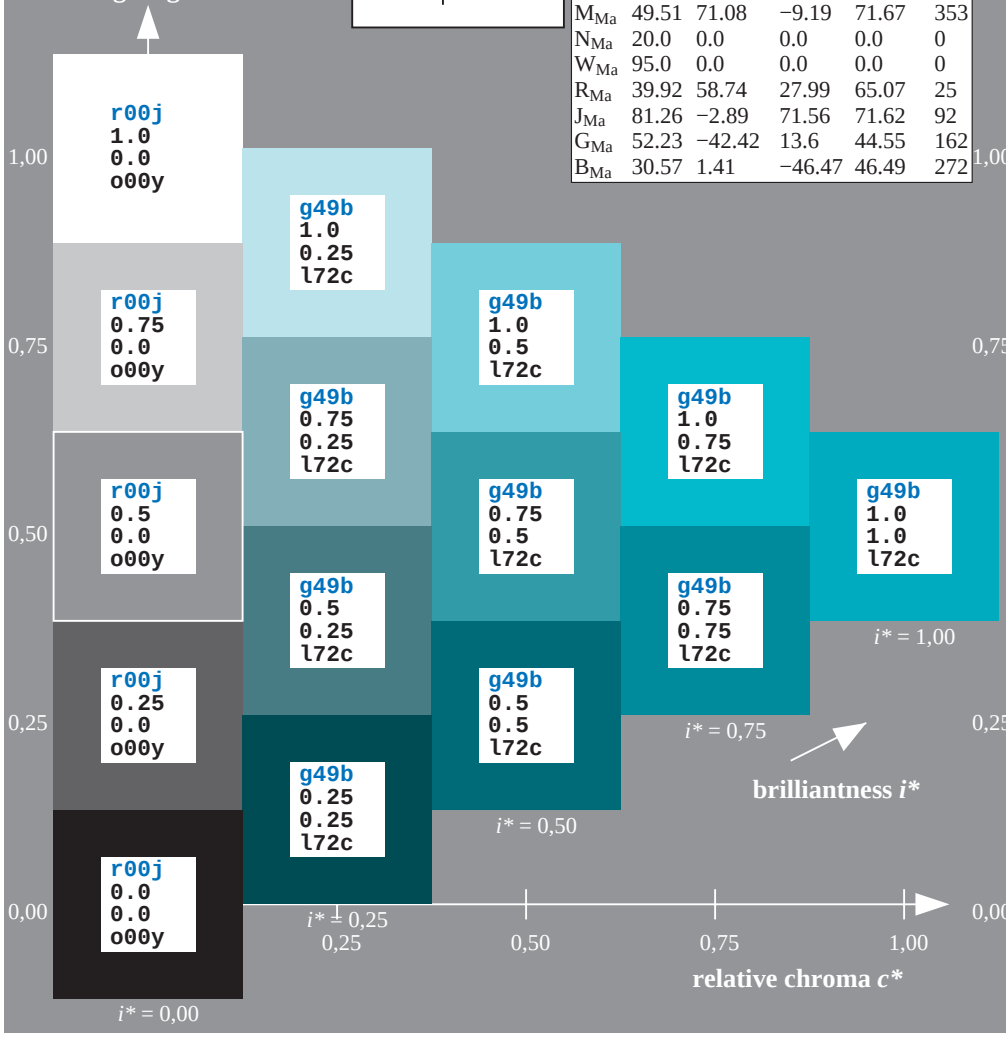
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

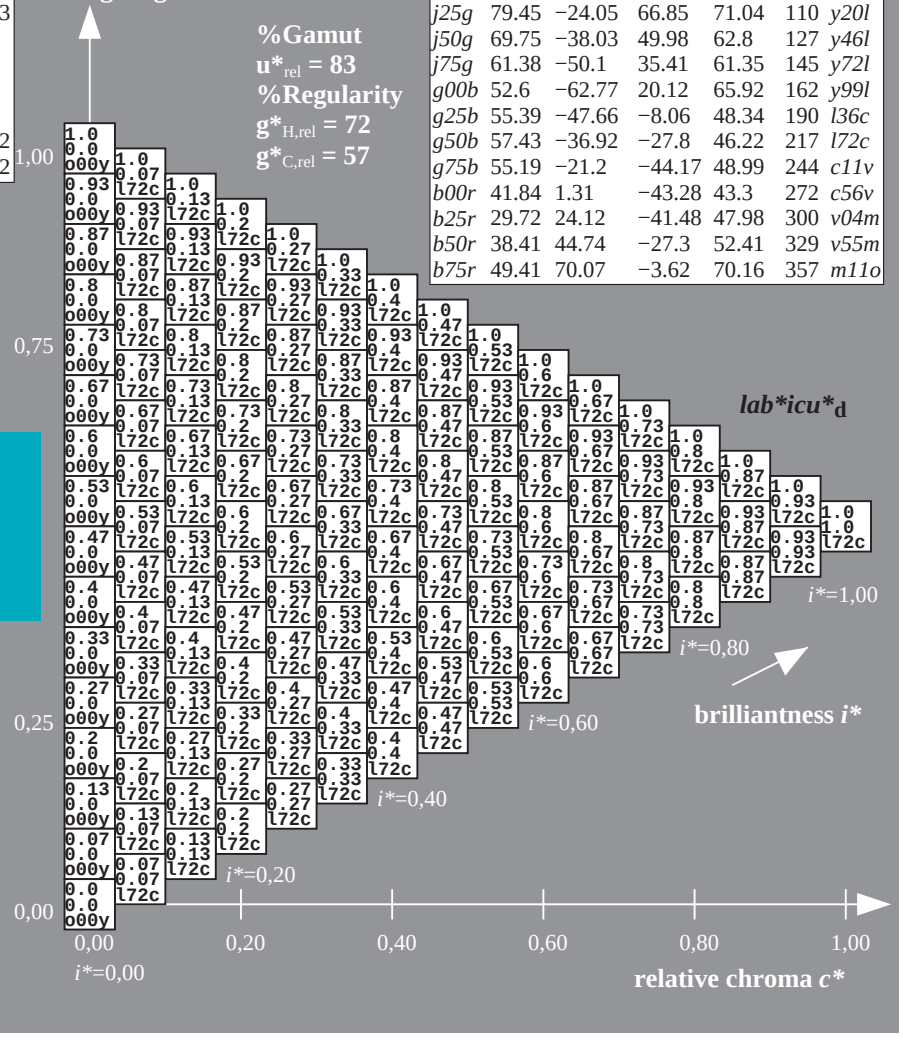
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 57 −37 −28
$LAB^*LCH^*_{Ma}$: 57 46 216
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.72
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

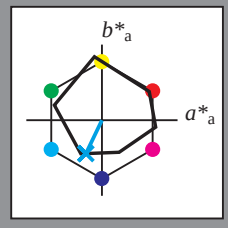
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g75b$ $u^*_d = c11v$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

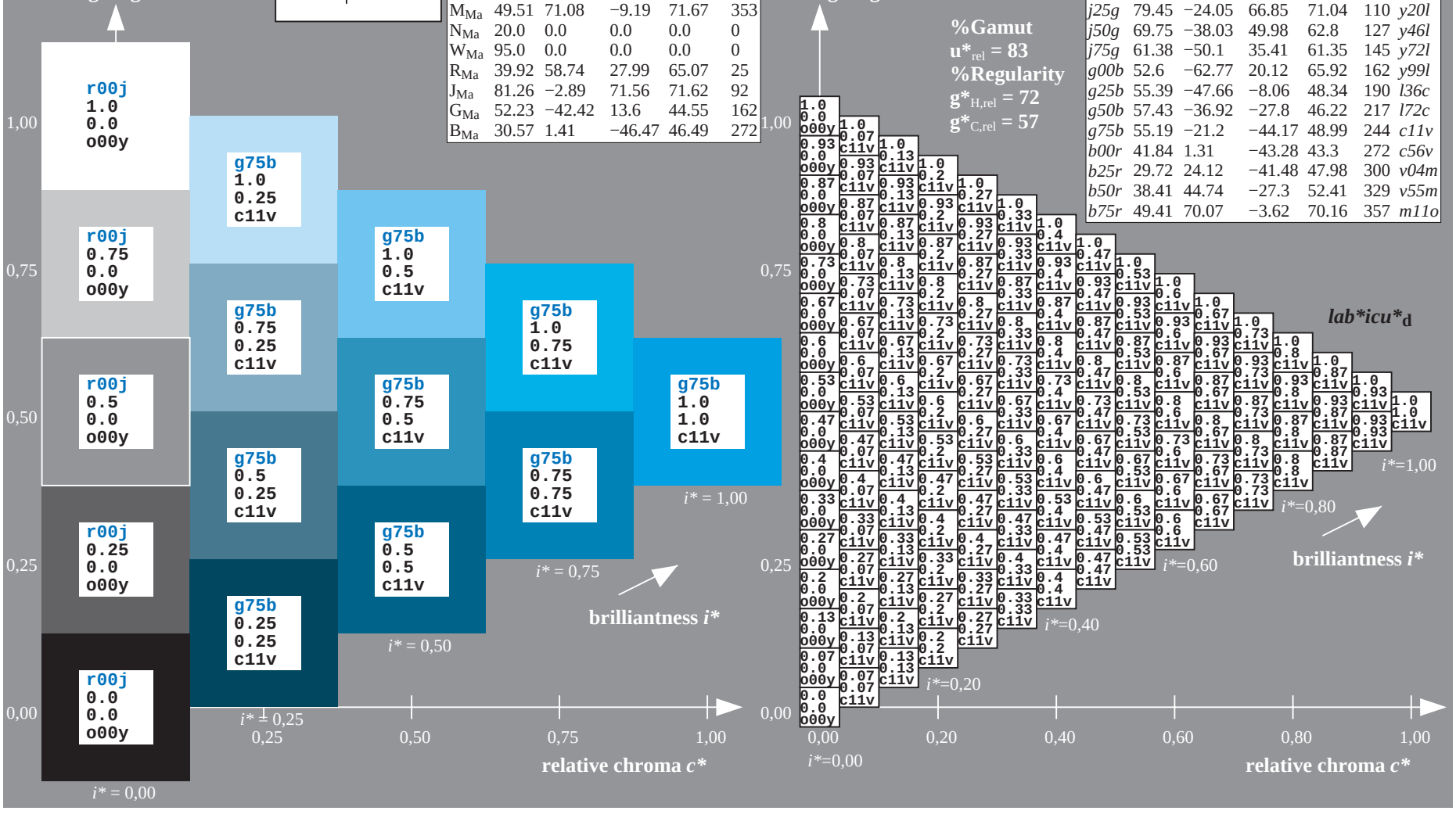
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −21 −44
*LAB*LCH**$_{Ma}$: 55 49 244
*lab*rgb**$_{Ma}$: 0.0 0.5 1.0
*lab*olv**$_{Ma}$: 0.0 0.89 1.0
triangle lightness *t**

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

$u^*_e = g75b$
$lab^*icu^*_d$

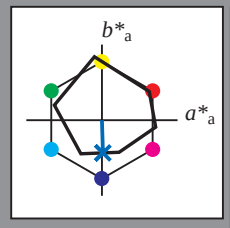
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b00r* u^*_d = *c56v*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

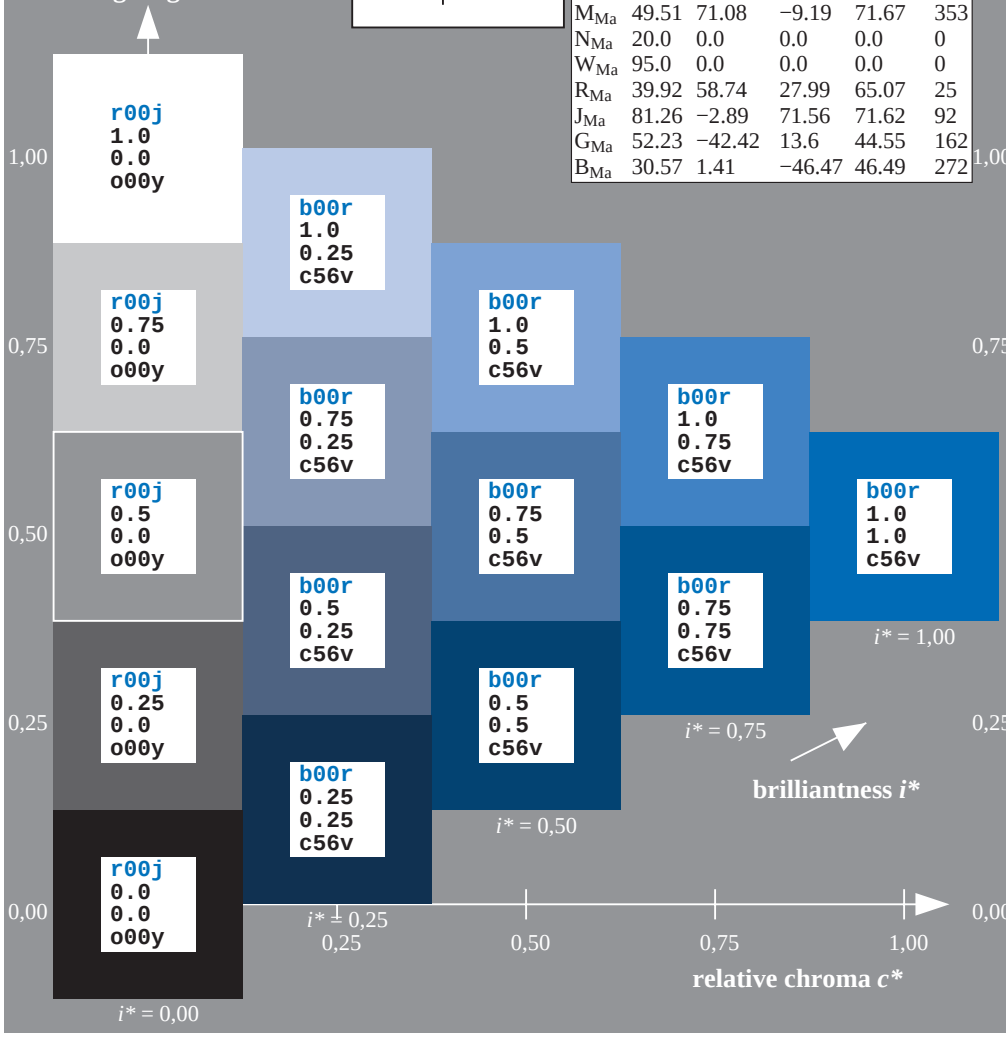
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

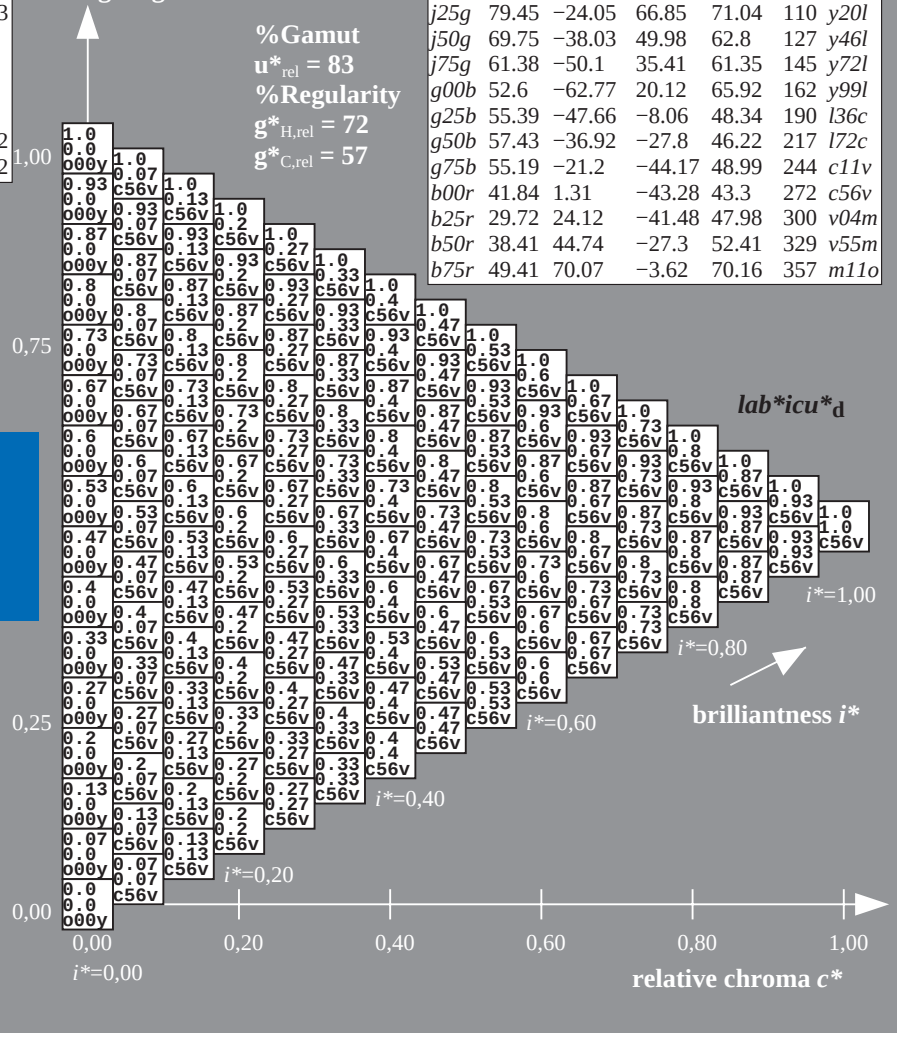
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 42 1 −43
$LAB^*LCH^*_{Ma}$: 42 43 271
$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.0 0.44 1.0
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

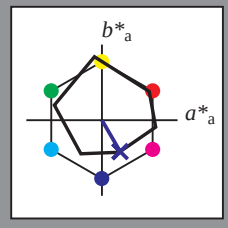
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b25r* u^*_d = *v04m*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

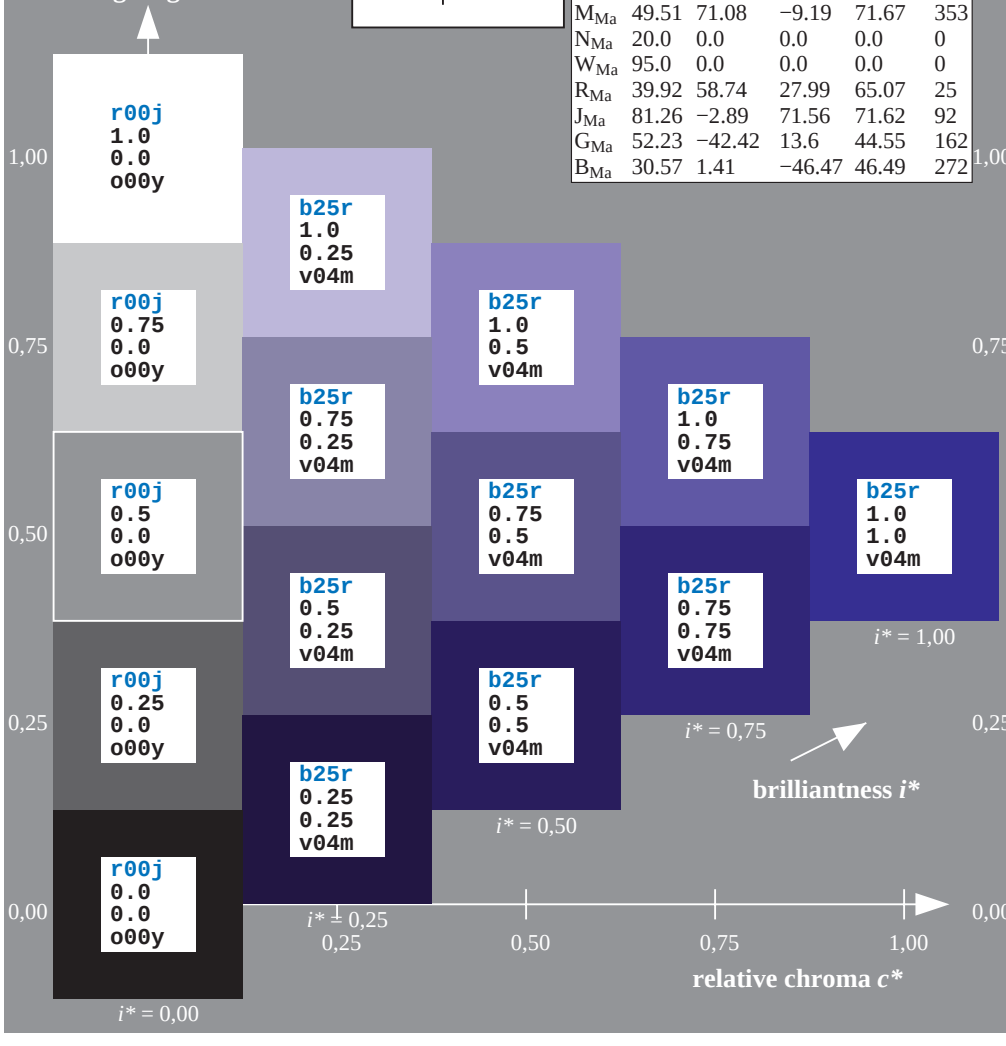
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 30 24 −41
*LAB*LCH**$_{Ma}$: 30 48 300
*lab*rgb**$_{Ma}$: 0.5 0.0 1.0
*lab*olv**$_{Ma}$: 0.04 0.0 1.0
triangle lightness *t**

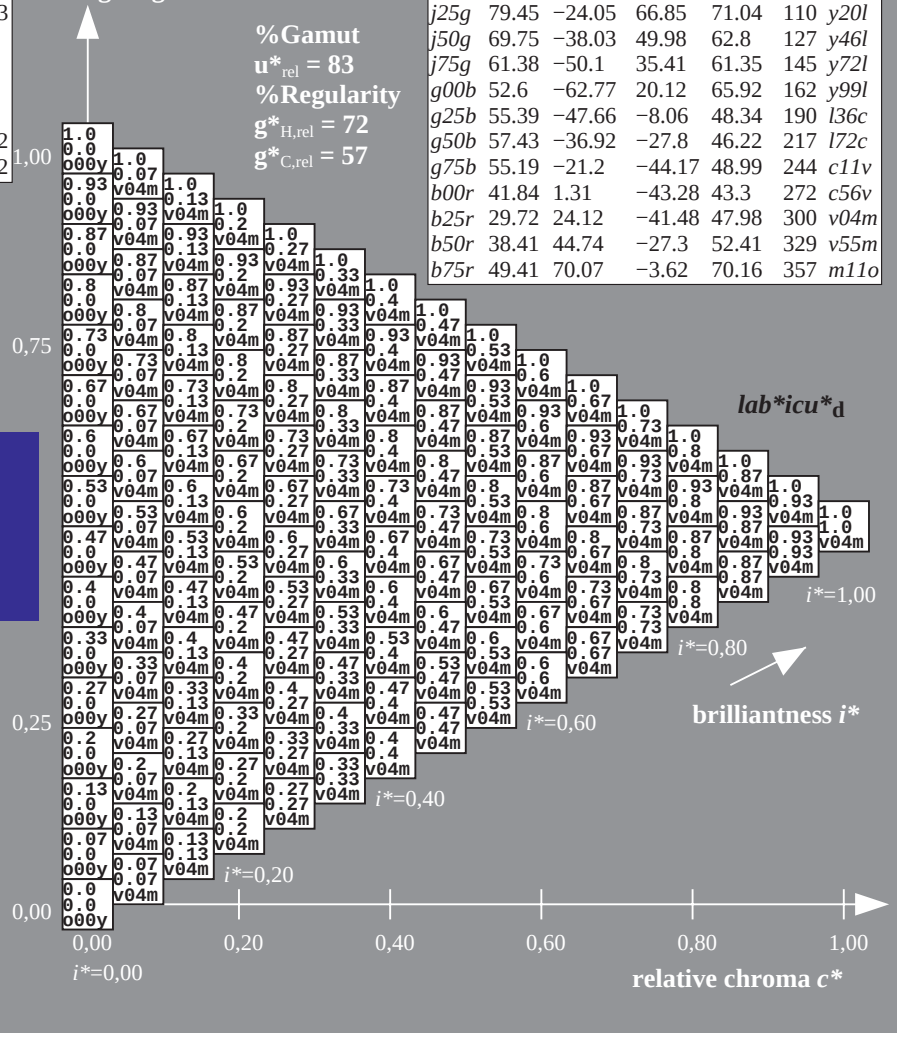
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u^*_e = *b25r*
*lab*icu**$_d$

ORS20_95a; adapted (a) CIELAB data

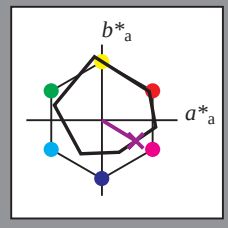
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = b50r$ $u^*_d = v55m$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

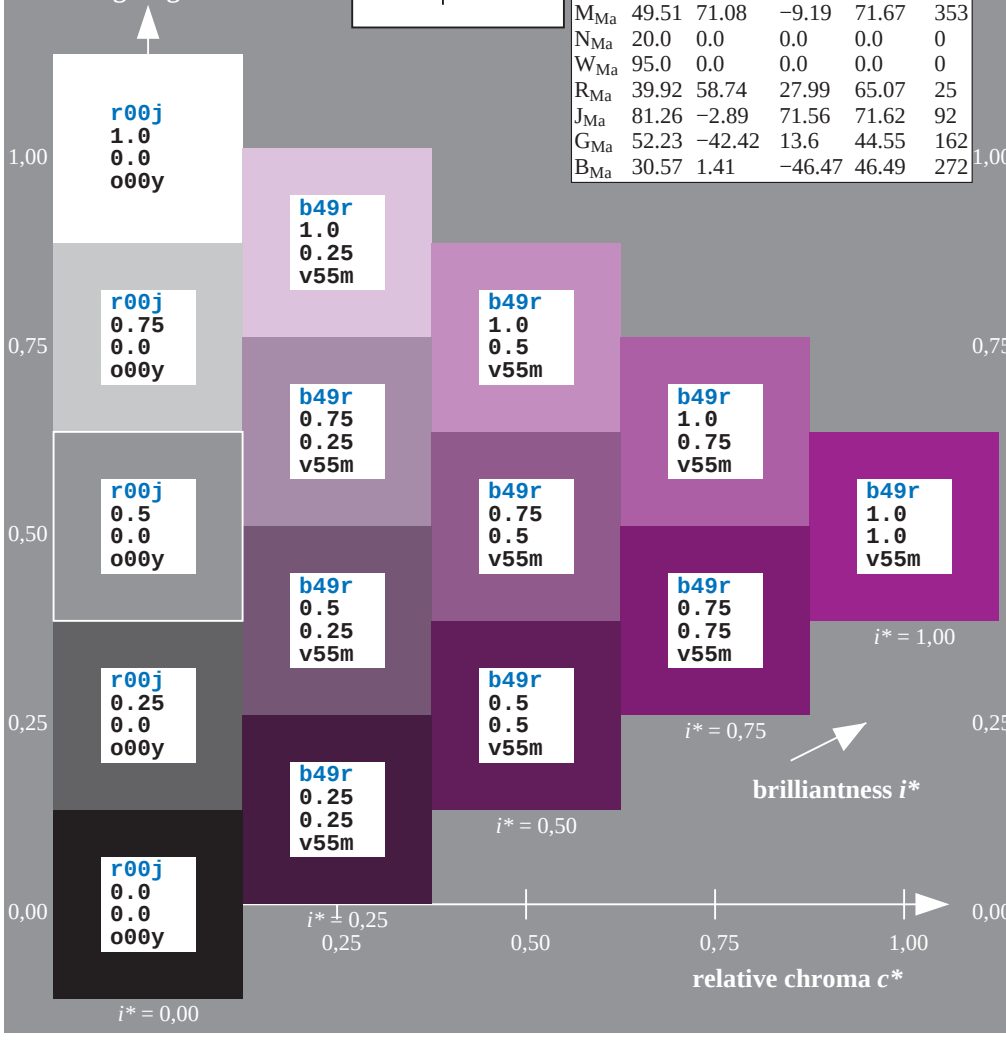
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	71.08	−9.19	71.67	353
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

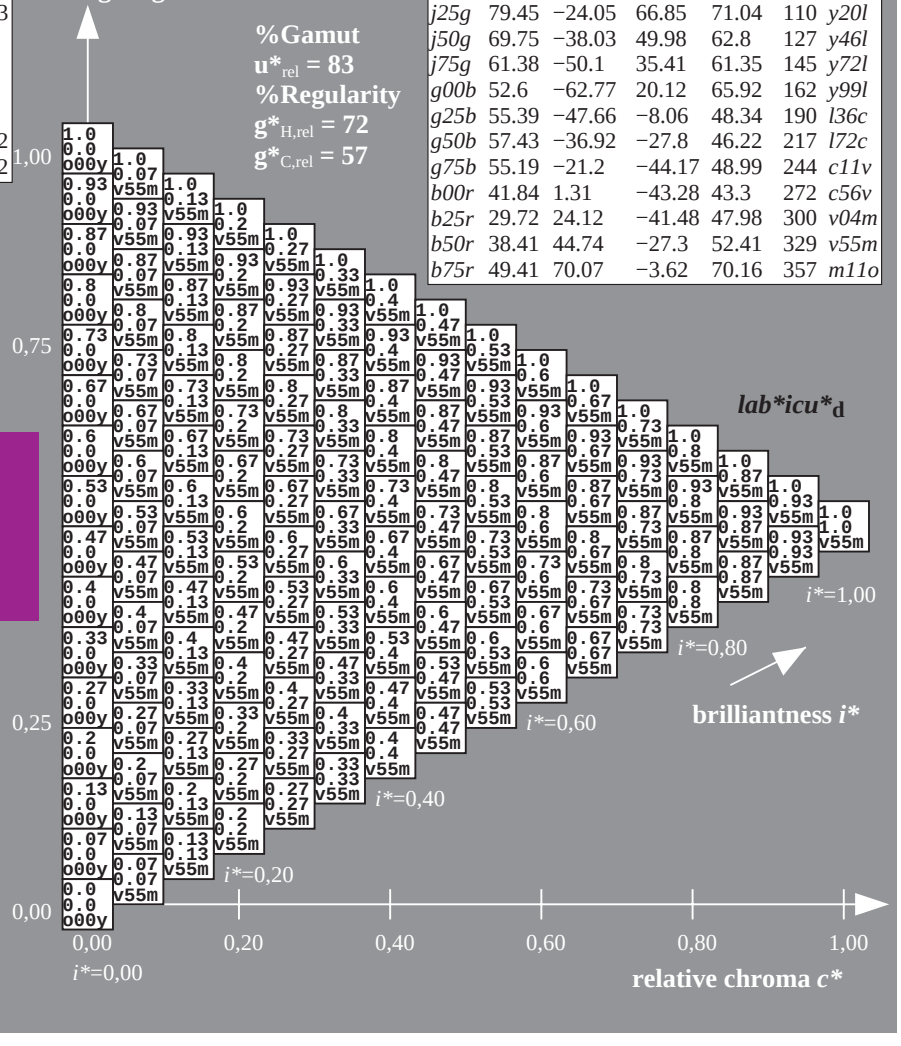
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 38 45 −27
$LAB^*LCH^*_{Ma}$: 38 52 328
$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.56 0.0 1.0
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

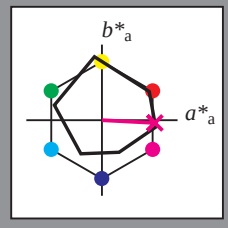
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b75r* u^*_d = *m11o*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.71	62.56	37.91	73.15	31
Y_{Ma}	89.25	−9.92	83.91	84.49	97
L_{Ma}	52.5	−62.91	19.95	66.0	162
C_{Ma}	59.15	−27.87	−44.43	52.45	238
V_{Ma}	29.13	22.73	−42.44	48.14	298
M_{Ma}	49.51	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_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

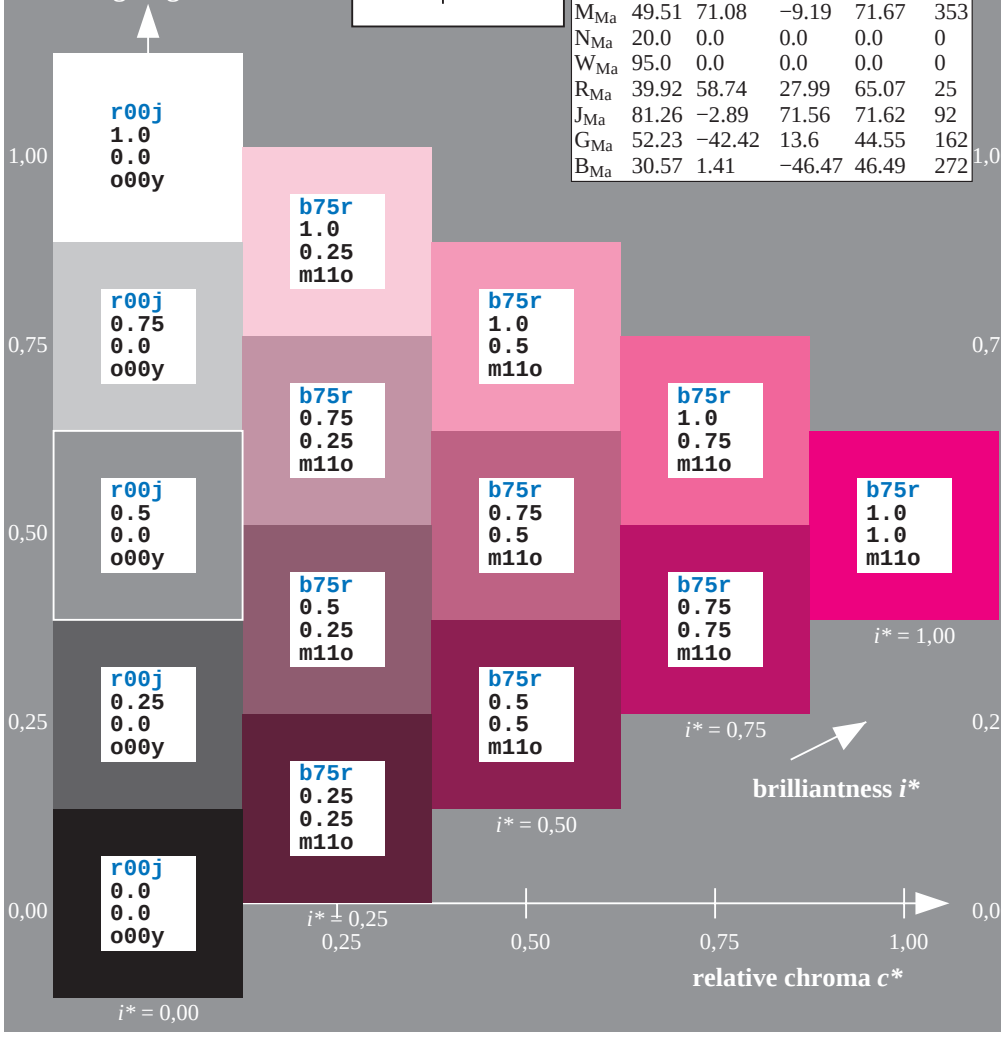
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 70 −4
$LAB^*LCH^*_{Ma}$: 49 70 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.89
triangle lightness *t**

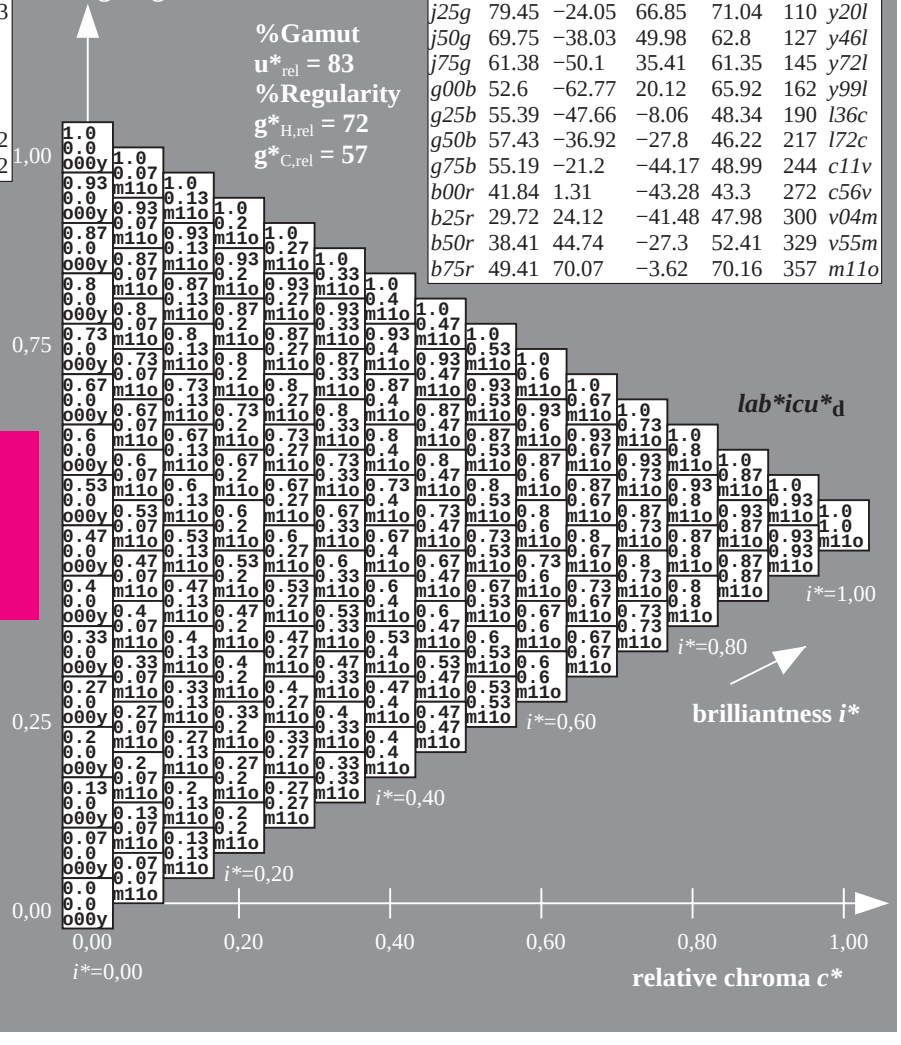
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

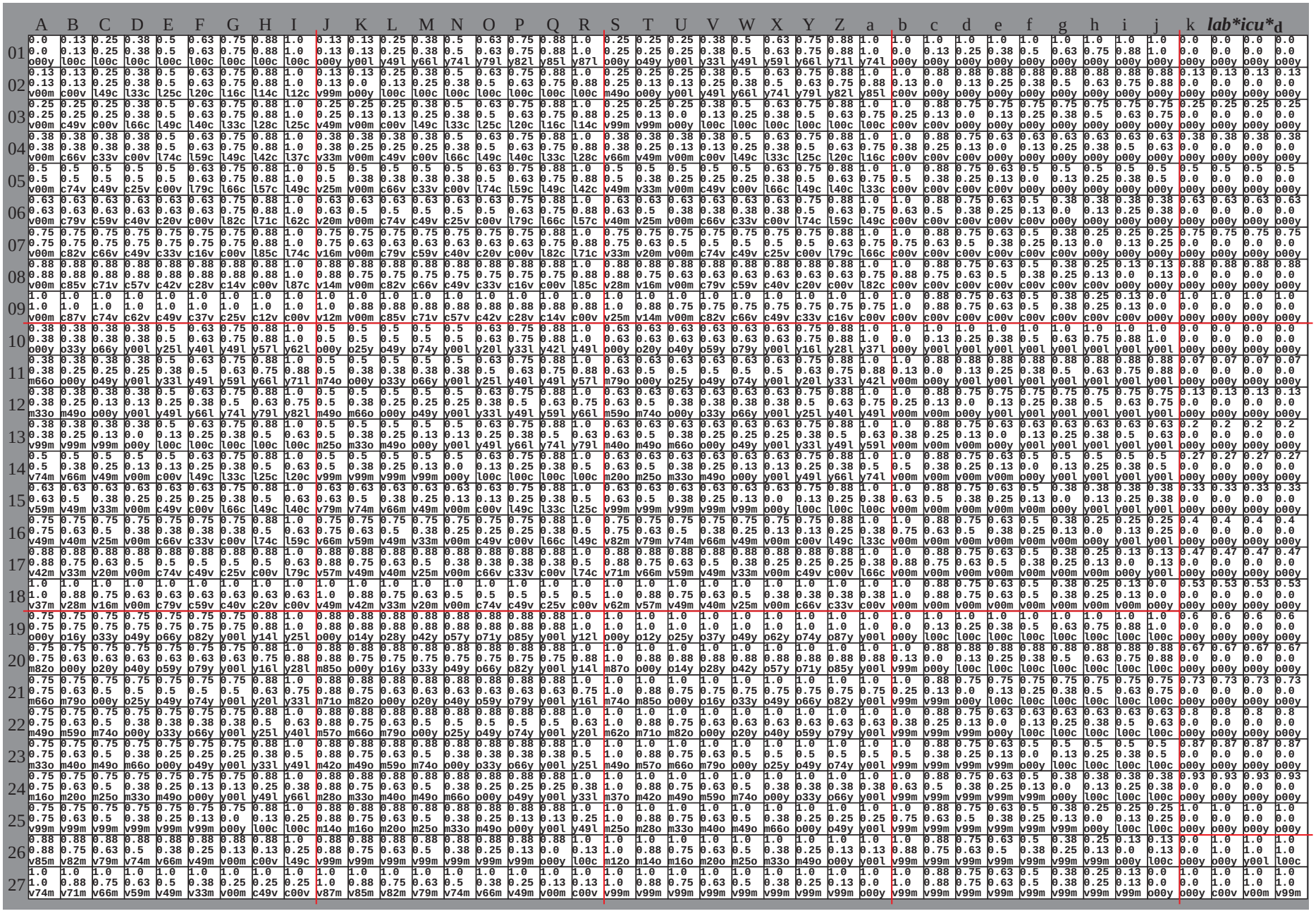
u^*_e = *b75r*
$lab^*icu^*_d$

ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





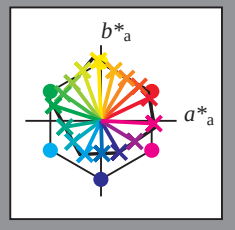


input: *000n / w / nnn0 / www set...*
output: *−>cmyn6* setcmykcolor*

Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 0.96

ORS20_95a; adapted (a) CIELAB data

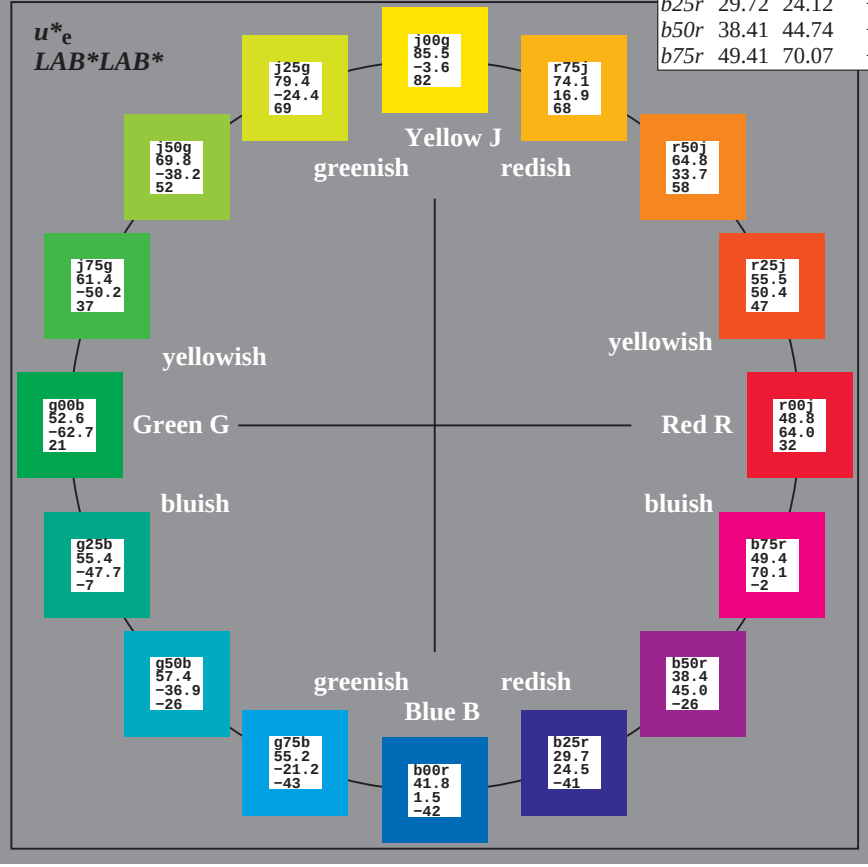
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*

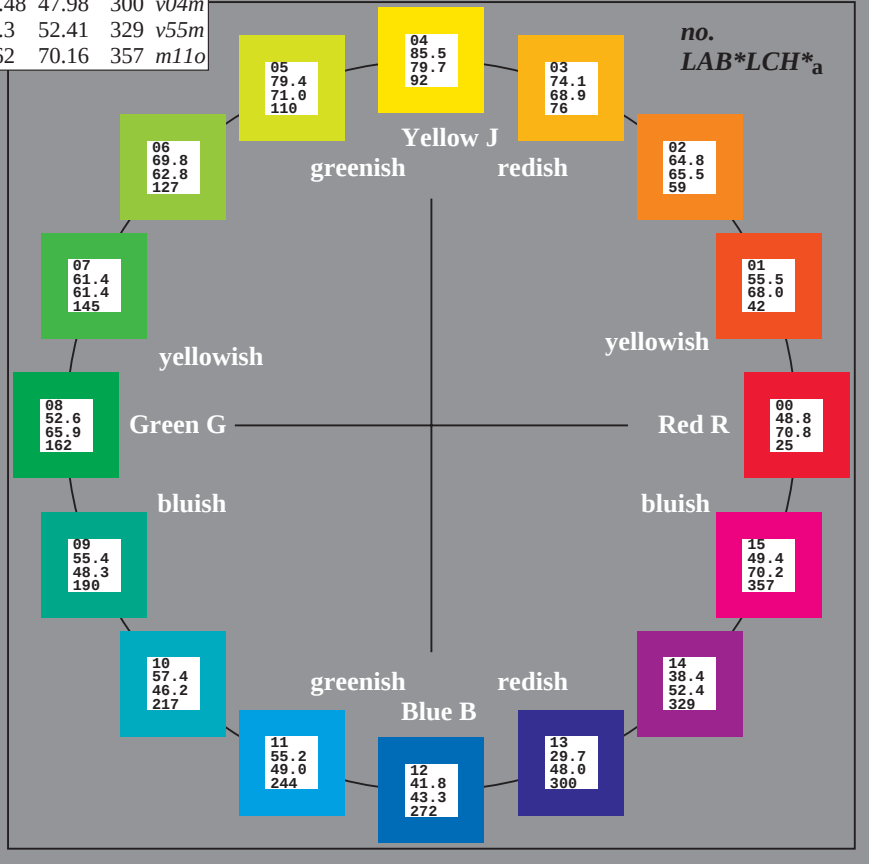


%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS20_95; CIELAB data

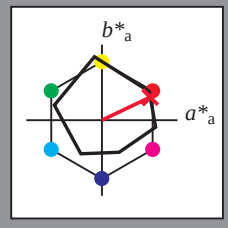
Name	*L*=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r00j* u^*_d = *m84o*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95; CIELAB data

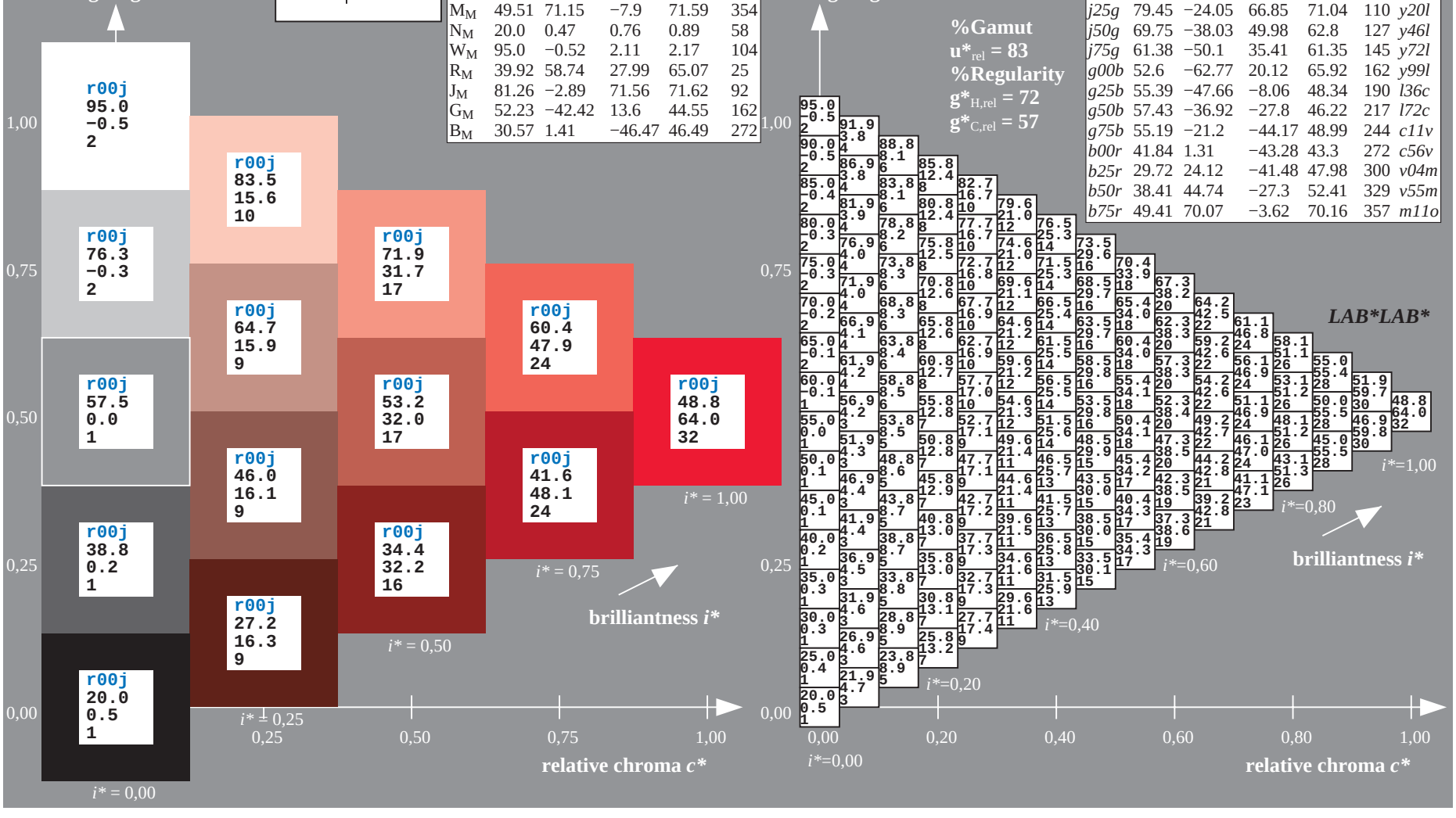
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 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 0.15
triangle lightness *t**

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

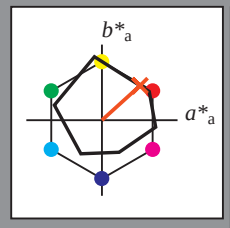
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *r25j* u^*_d = *o17y*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

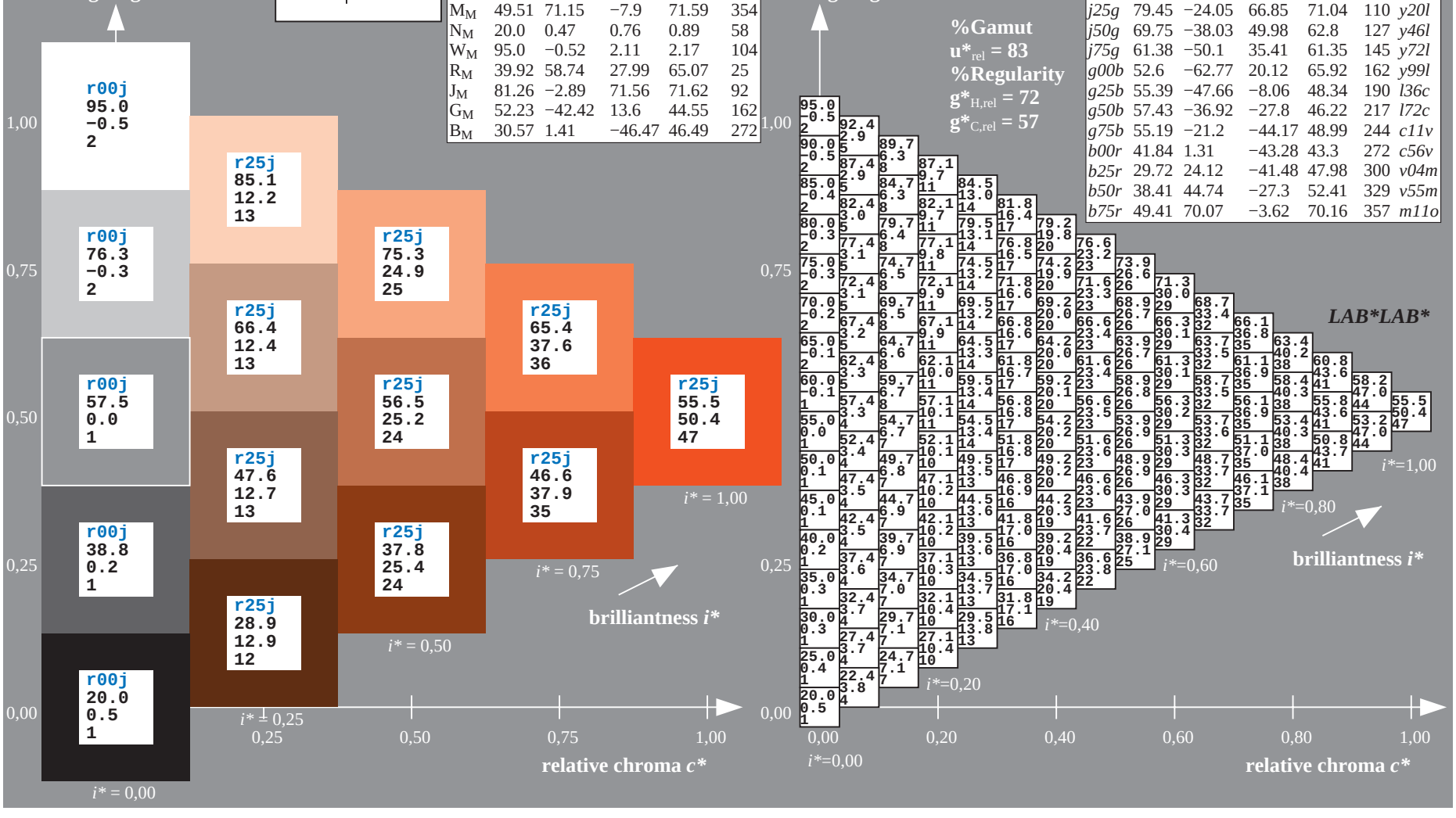
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 56 50 46
$LAB^*LCH^*_{Ma}$: 56 68 42
$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0
$lab^*olv^*_{Ma}$: 1.0 0.17 0.0
triangle lightness *t**

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

u^*_e = *r25j*
*LAB*LAB**

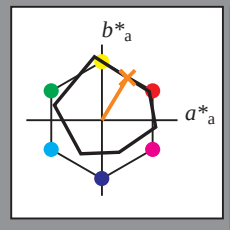
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = r50j$ $u^*_d = o42y$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

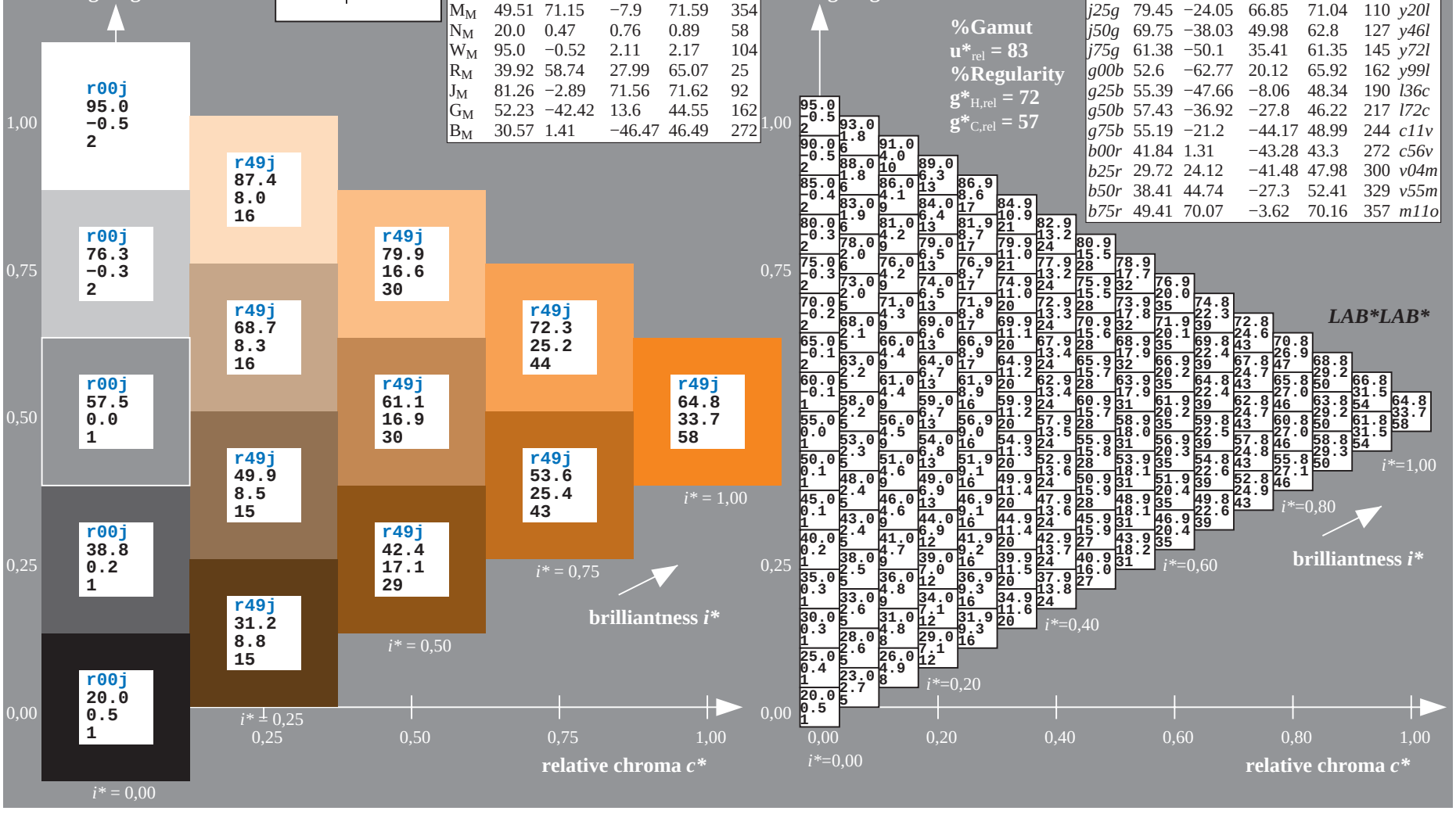
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 65 34 56
*LAB*LCH**$_{Ma}$: 65 66 58
*lab*rgb**$_{Ma}$: 1.0 0.5 0.0
*lab*olv**$_{Ma}$: 1.0 0.42 0.0
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

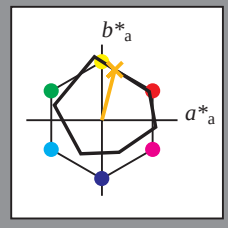
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*

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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *r75j* u^*_d = *o67y*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

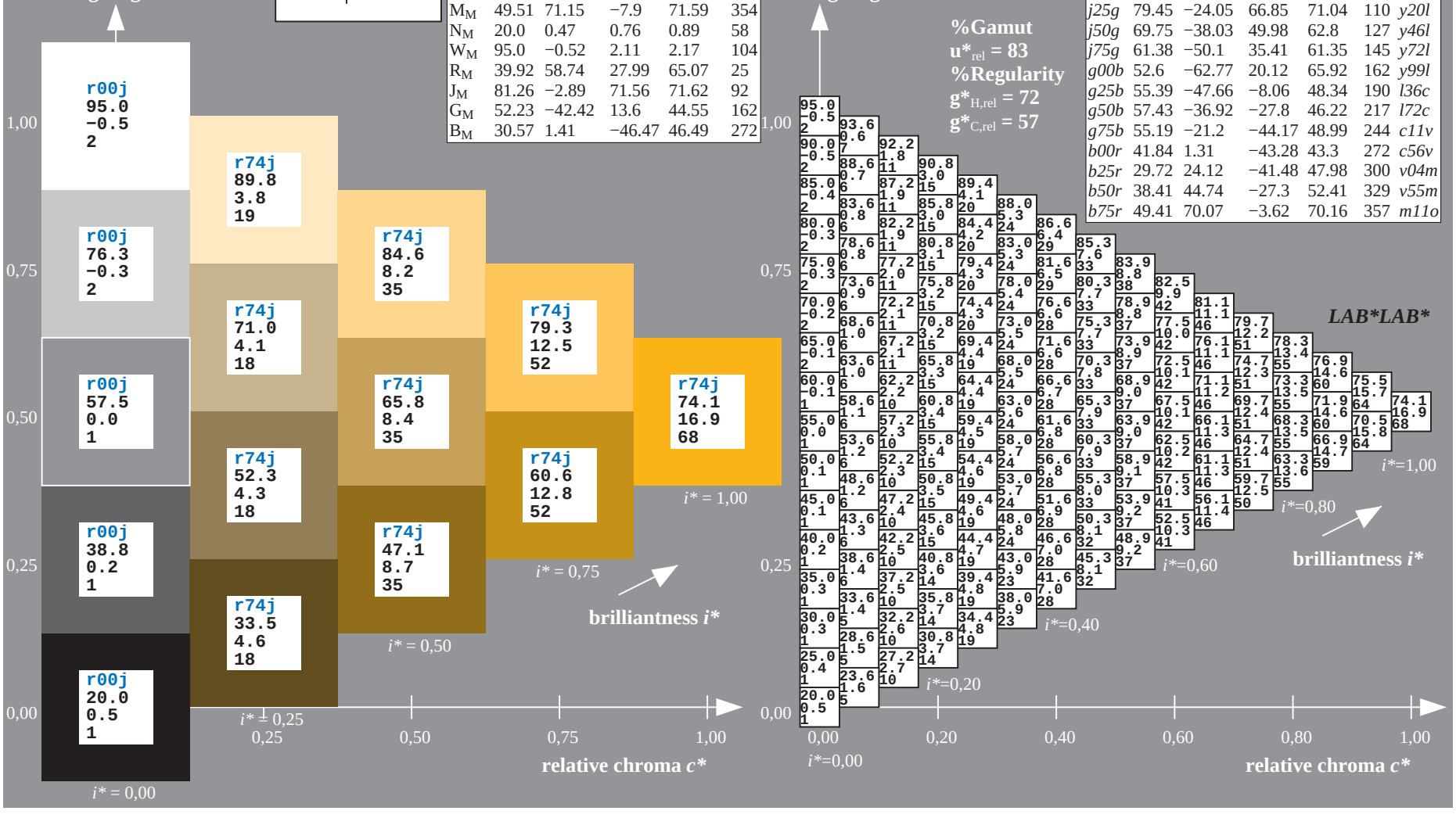
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 74 17 67
*LAB*LCH**$_{Ma}$: 74 69 75
*lab*rgb**$_{Ma}$: 1.0 0.75 0.0
*lab*olv**$_{Ma}$: 1.0 0.68 0.0
triangle lightness *t**

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

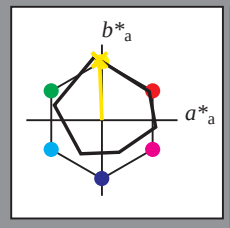
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *j00g* u^*_d = *o92y*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

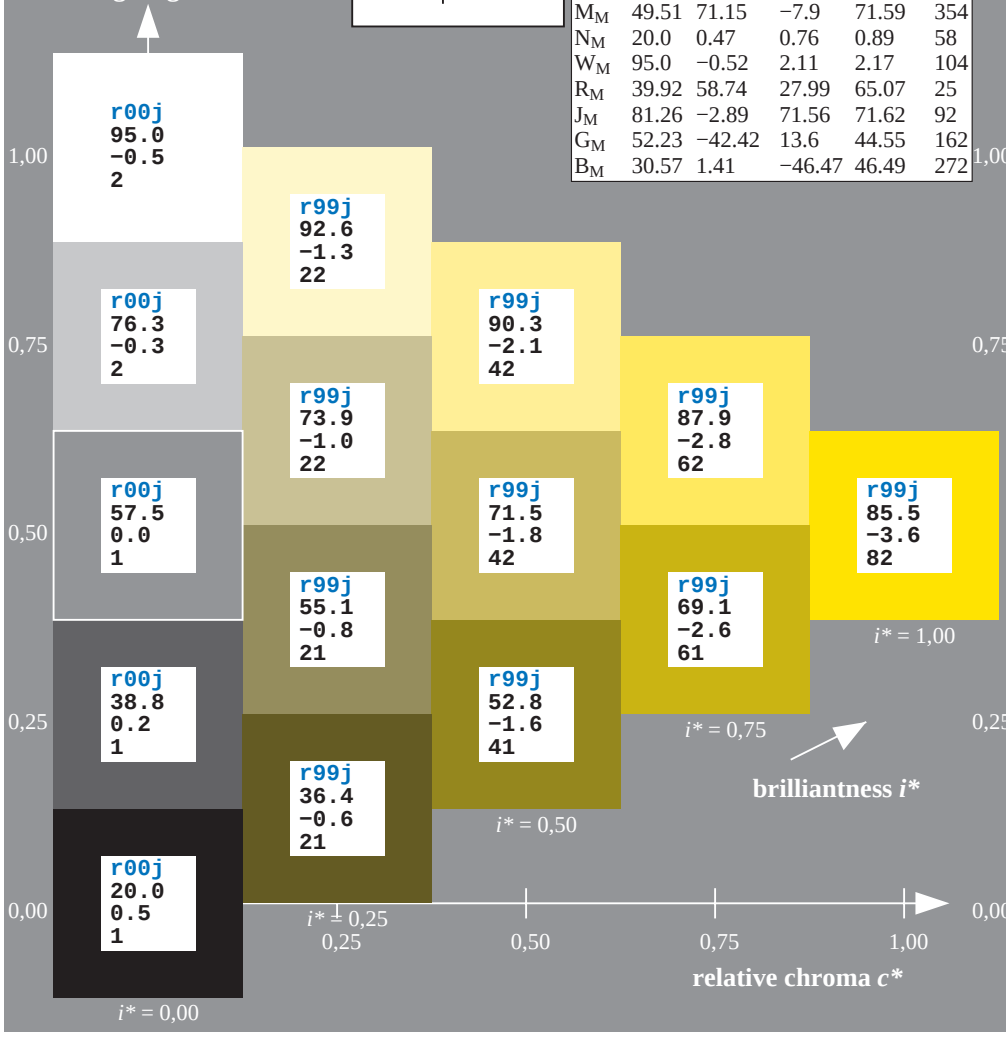
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

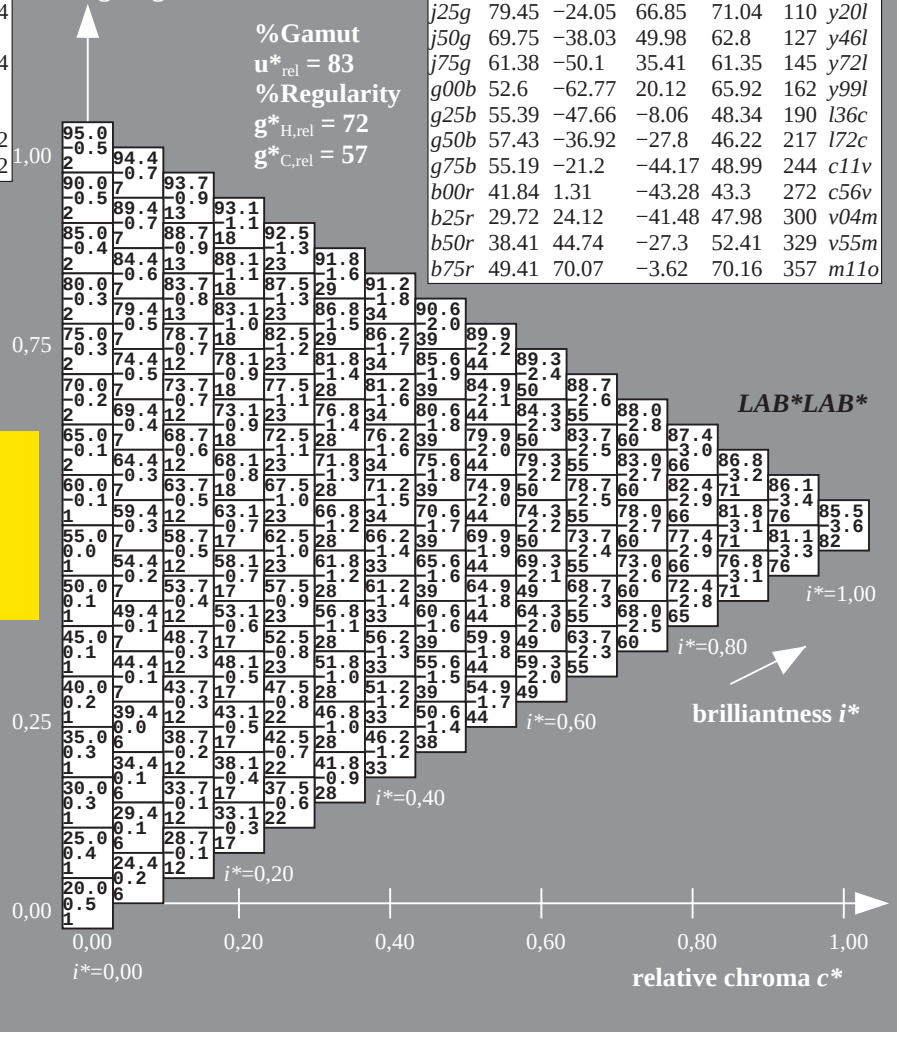
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 86 −3 80
*LAB*LCH**$_{Ma}$: 86 80 92
*lab*rgb**$_{Ma}$: 1.0 1.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.93 0.0
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

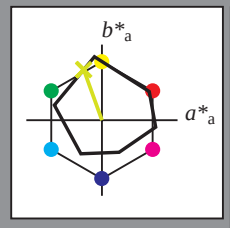
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *j25g* u^*_d = *y20l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95; CIELAB data

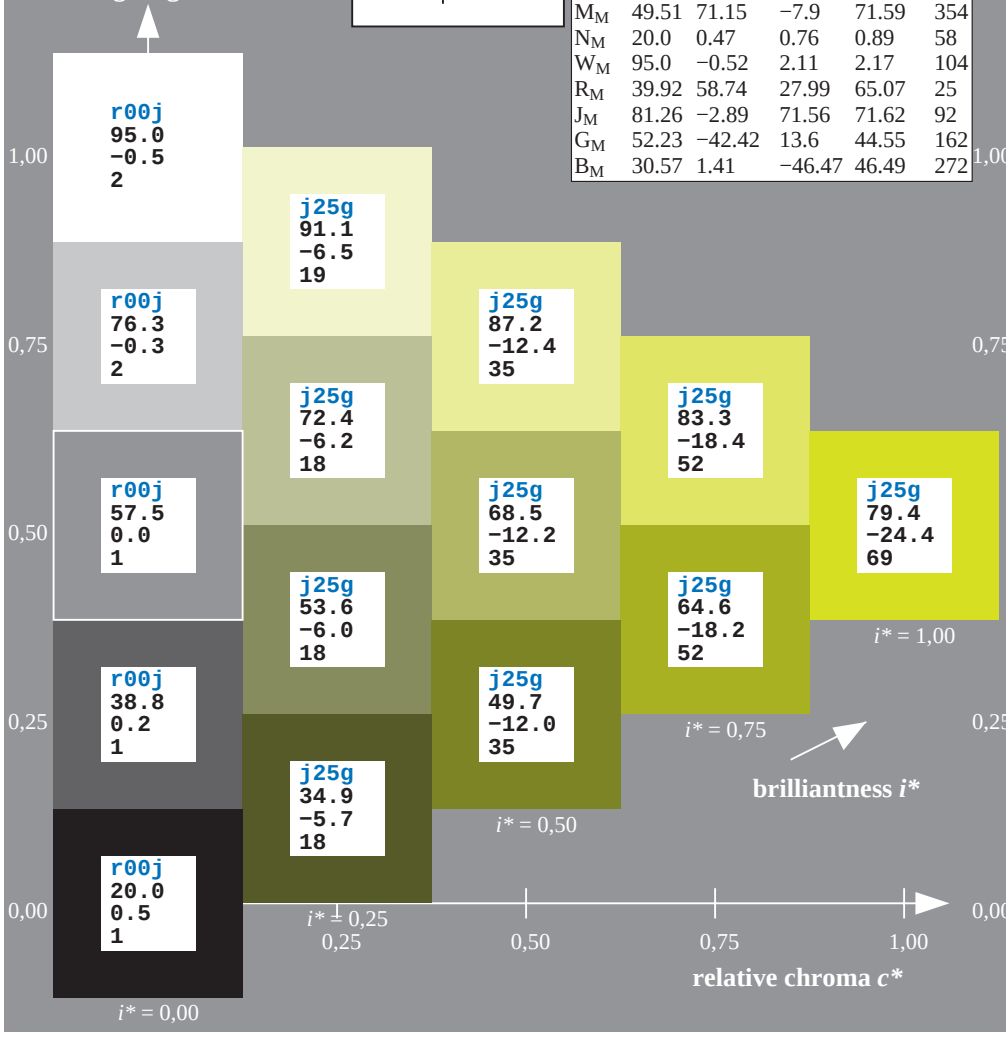
*u*e*	*L*=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

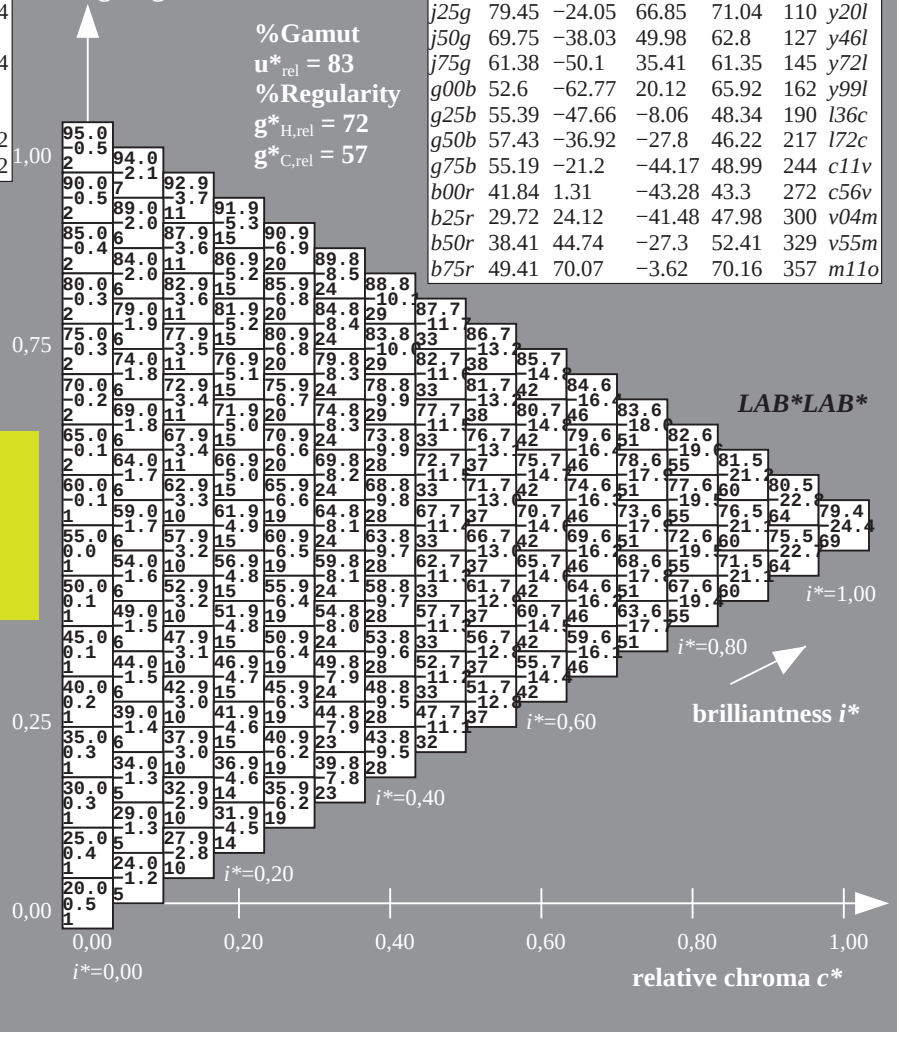
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 79 −24 67
*LAB*LCH**$_{Ma}$: 79 71 109
*lab*rgb**$_{Ma}$: 0.75 1.0 0.0
*lab*olv**$_{Ma}$: 0.8 1.0 0.0
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

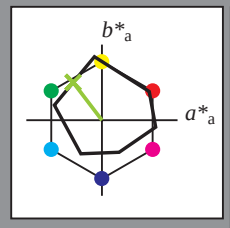
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j50g* u^*_d = *y46l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95; CIELAB data

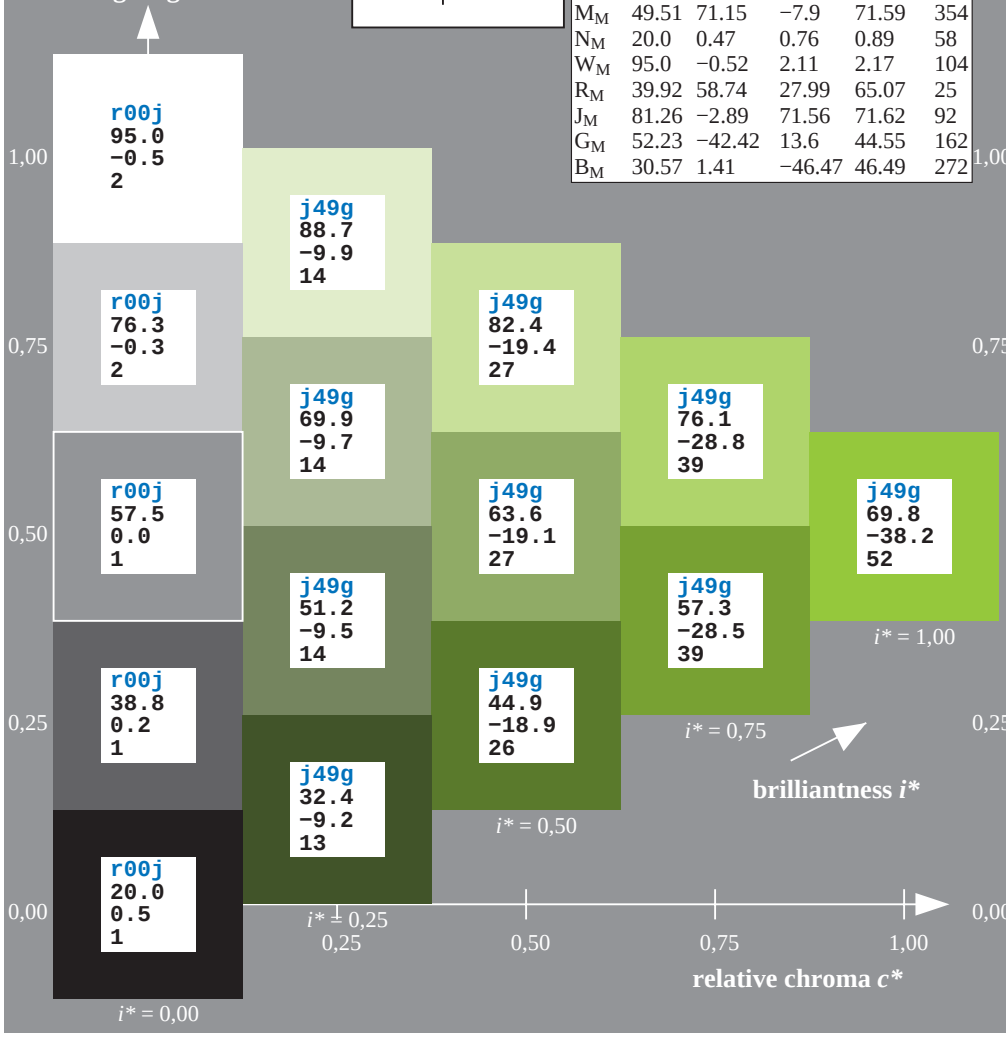
u^*_e	L*=L*	a*	b*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

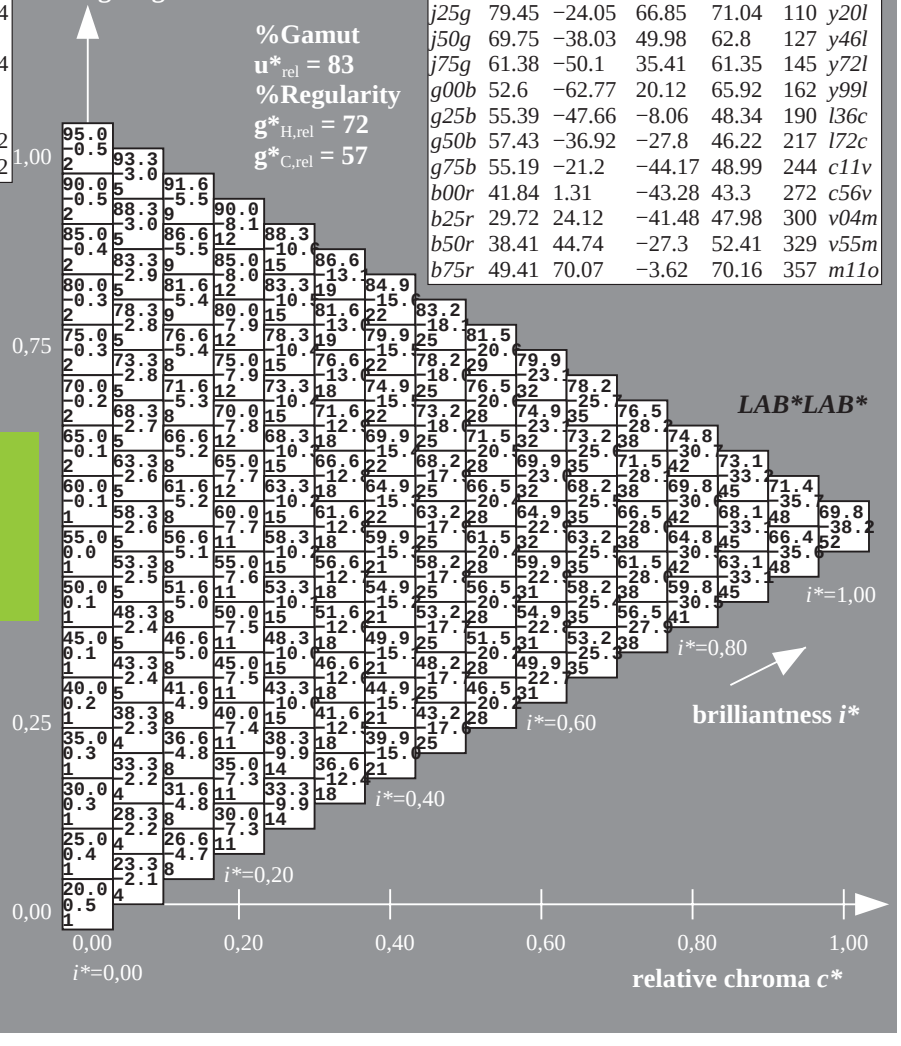
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 70 −38 50
*LAB*LCH**$_{Ma}$: 70 63 127
*lab*rgb**$_{Ma}$: 0.5 1.0 0.0
*lab*olv**$_{Ma}$: 0.54 1.0 0.0
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

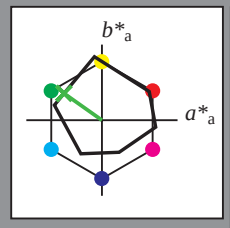
u^*_e	L*=L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *j75g* u^*_d = *y72l*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

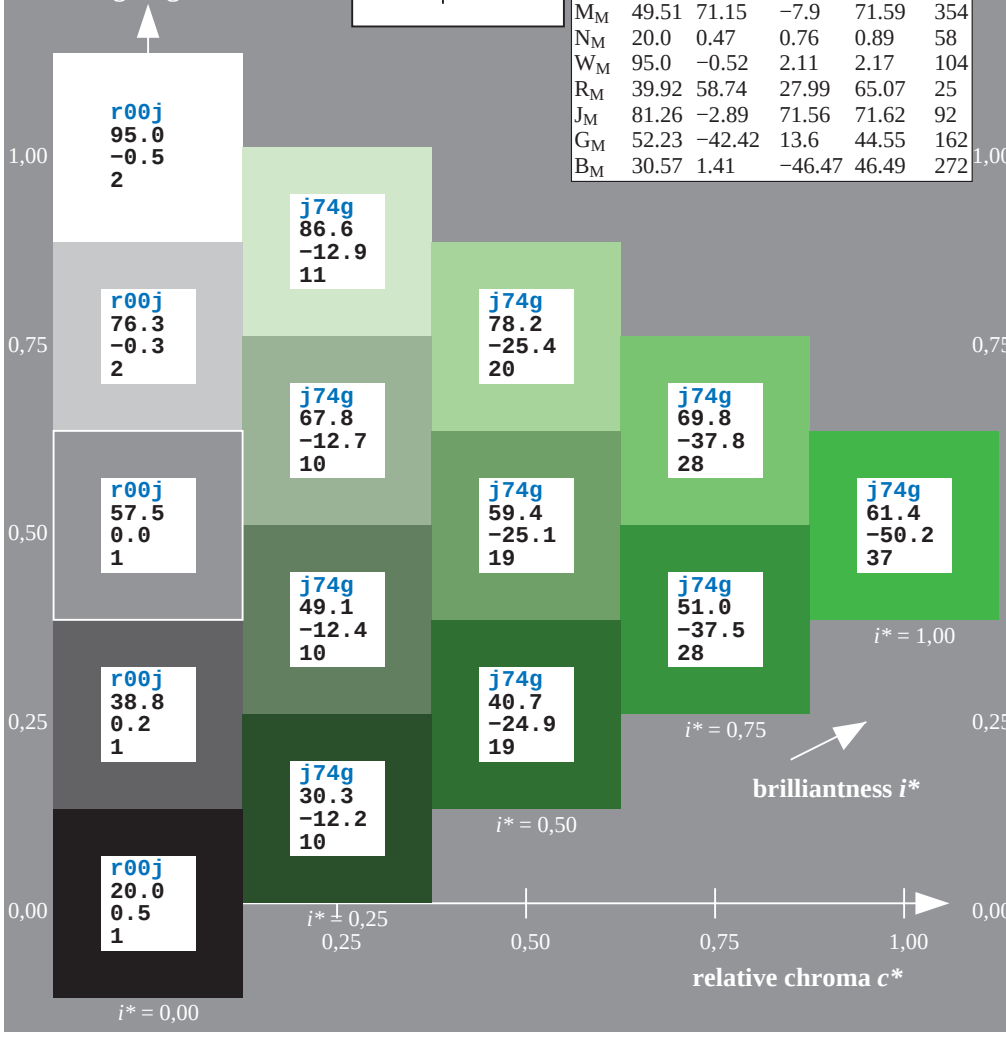
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

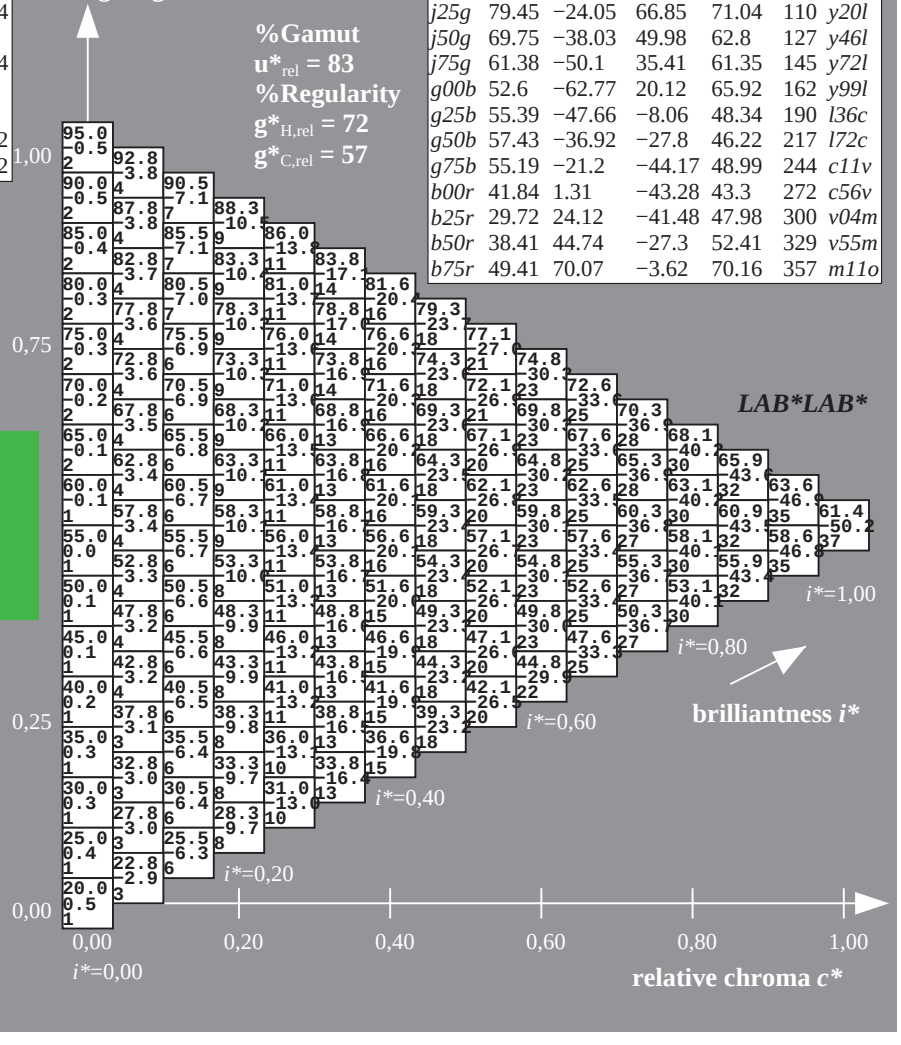
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 61 −50 35
*LAB*LCH**$_{Ma}$: 61 61 144
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.27 1.0 0.0
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

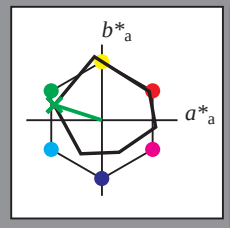
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *g00b* u^*_d = *y99l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95; CIELAB data

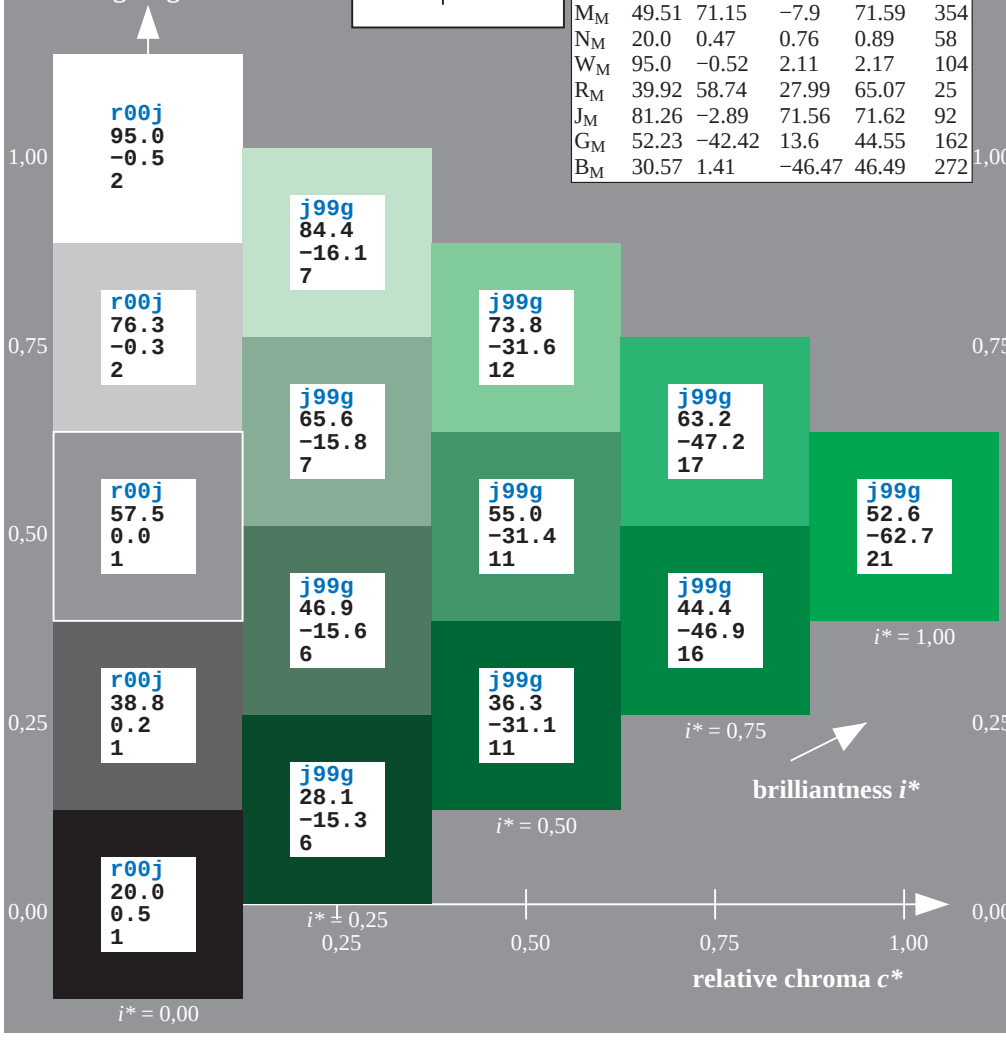
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

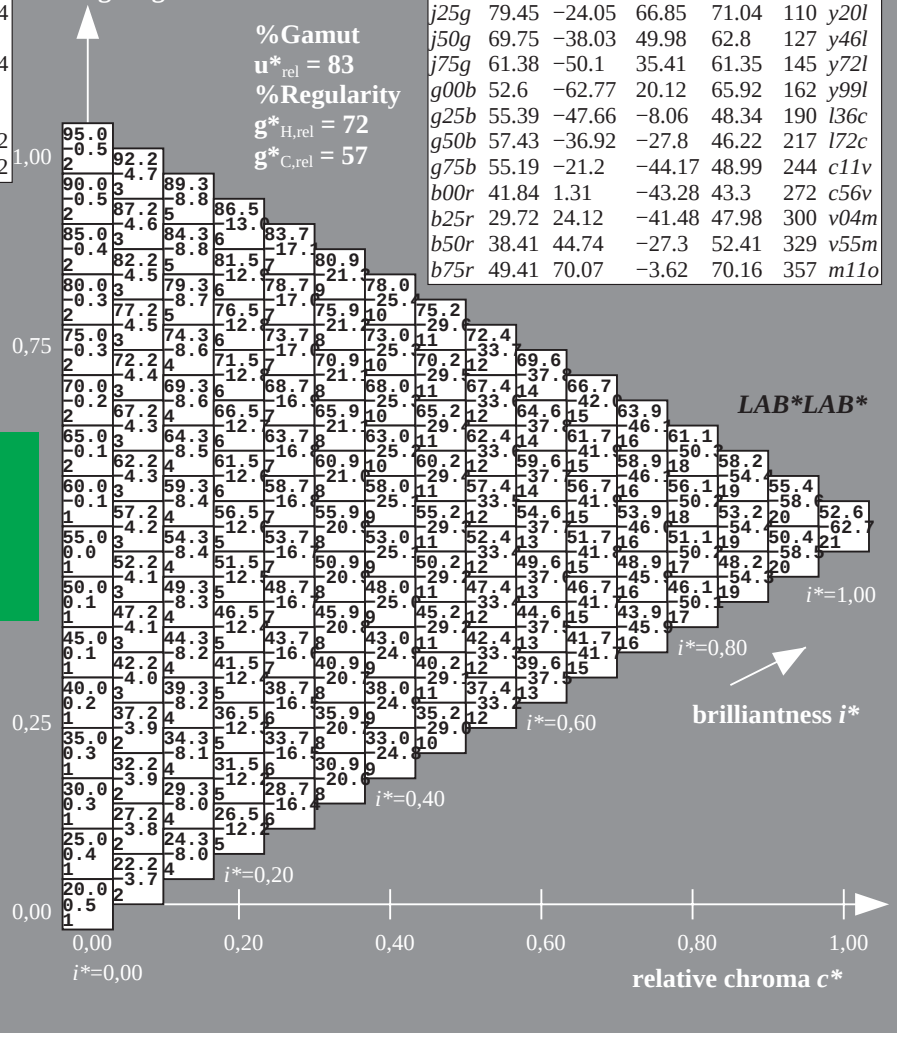
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 53 −63 20
*LAB*LCH**$_{Ma}$: 53 66 162
*lab*rgb**$_{Ma}$: 0.0 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.0
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

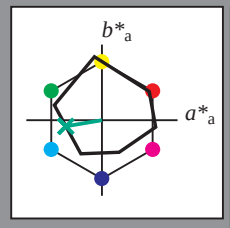
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *g25b* u^*_d = *l36c*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95; CIELAB data

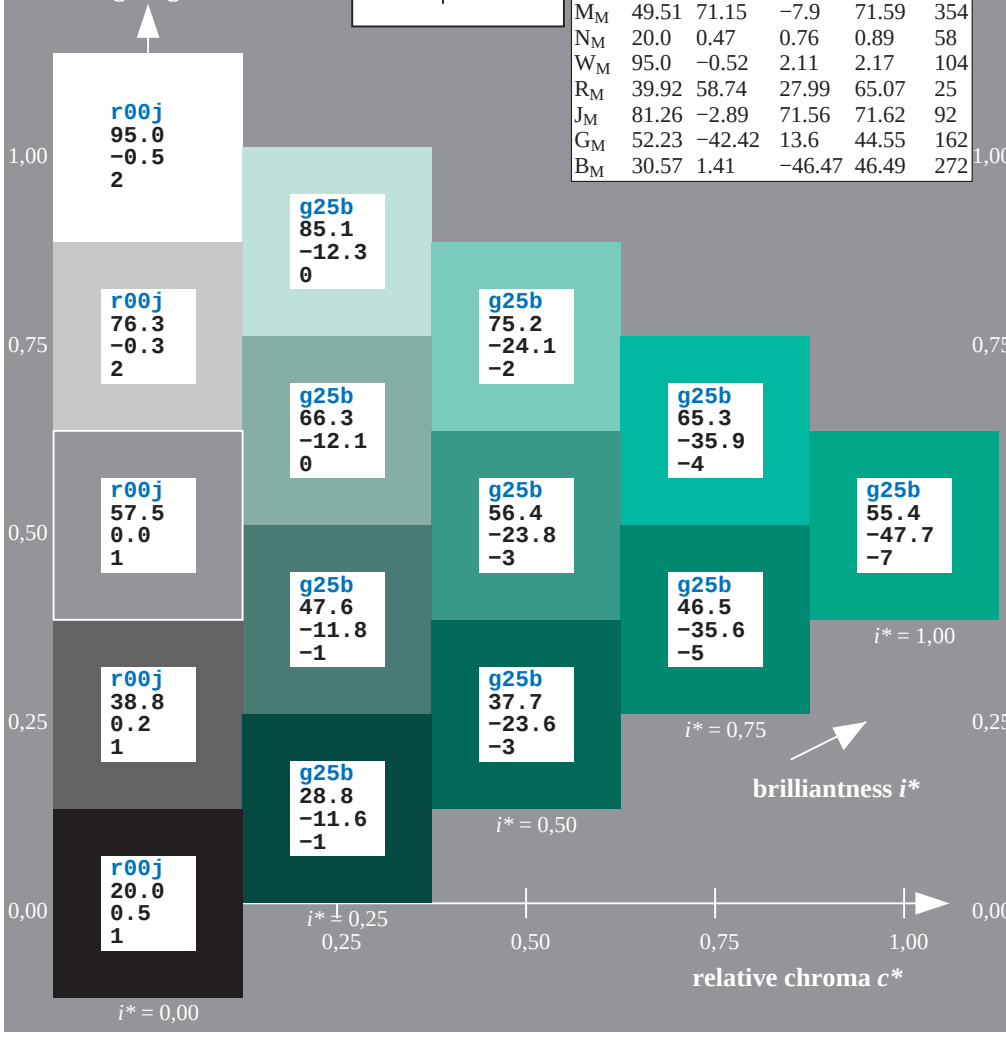
	u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32	
Y_M	89.25	−10.36	85.91	86.53	97	
L_M	52.5	−62.88	21.3	66.38	161	
C_M	59.15	−27.92	−42.97	51.24	237	
V_M	29.13	23.07	−41.51	47.5	299	
M_M	49.51	71.15	−7.9	71.59	354	
N_M	20.0	0.47	0.76	0.89	58	
W_M	95.0	−0.52	2.11	2.17	104	
R_M	39.92	58.74	27.99	65.07	25	
J_M	81.26	−2.89	71.56	71.62	92	
G_M	52.23	−42.42	13.6	44.55	162	
B_M	30.57	1.41	−46.47	46.49	272	

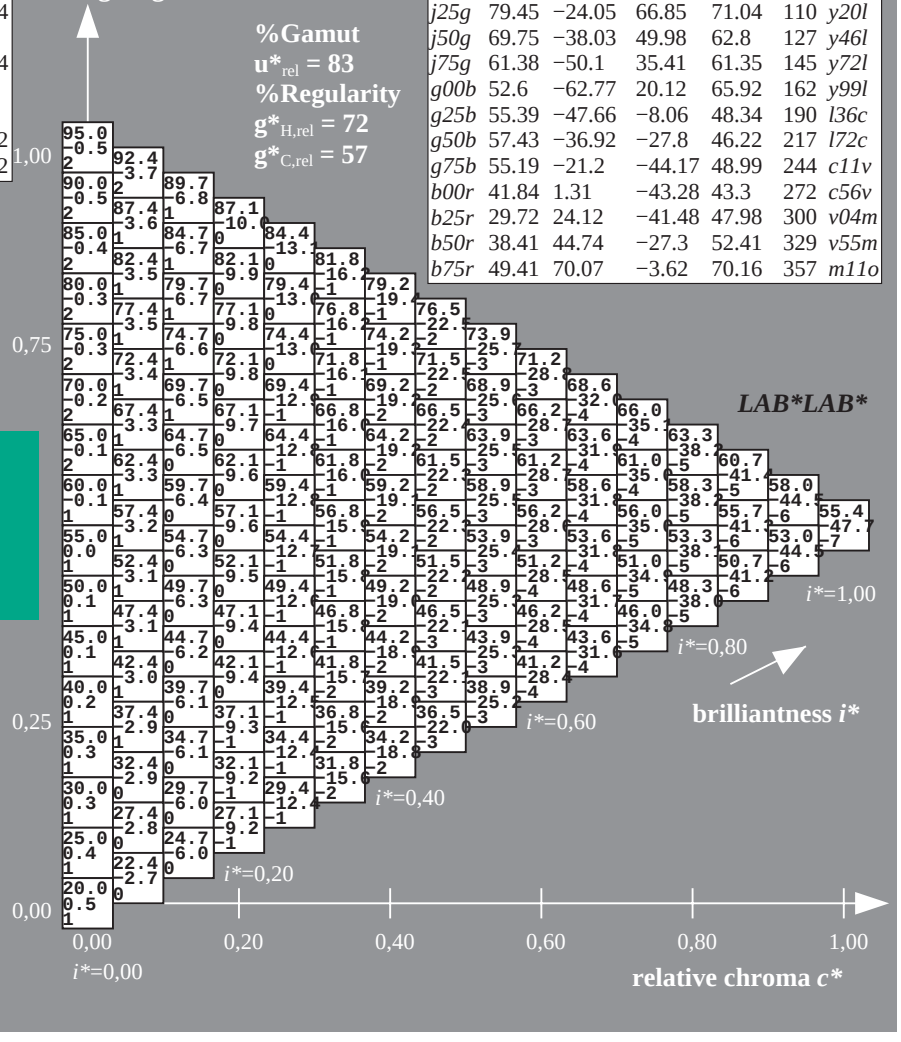
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 55 −48 −8
LAB*LCH*$_{Ma}$: 55 48 189
lab*rgb*$_{Ma}$: 0.0 1.0 0.5
lab*olv*$_{Ma}$: 0.0 1.0 0.36
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

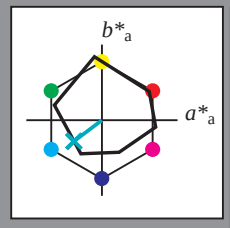
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *g50b* u^*_d = *l72c*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

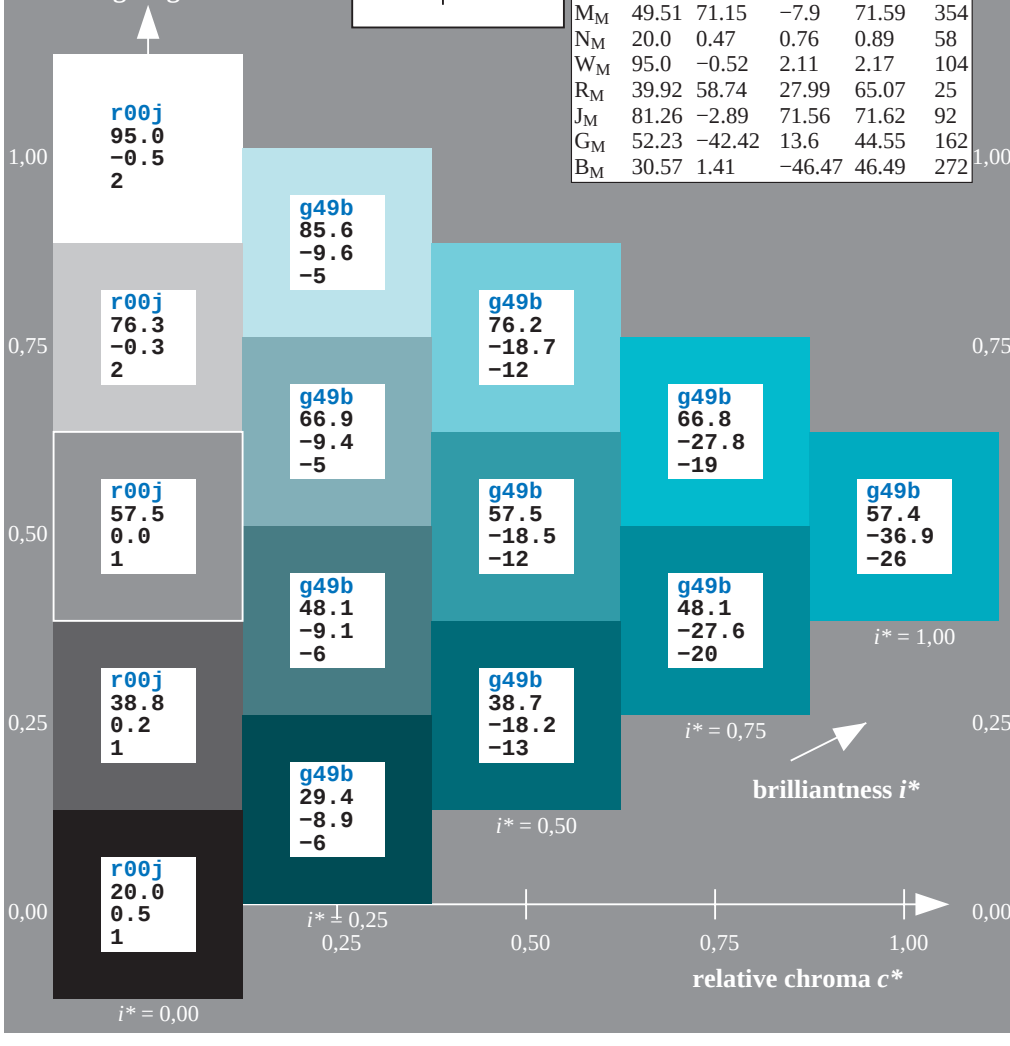
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

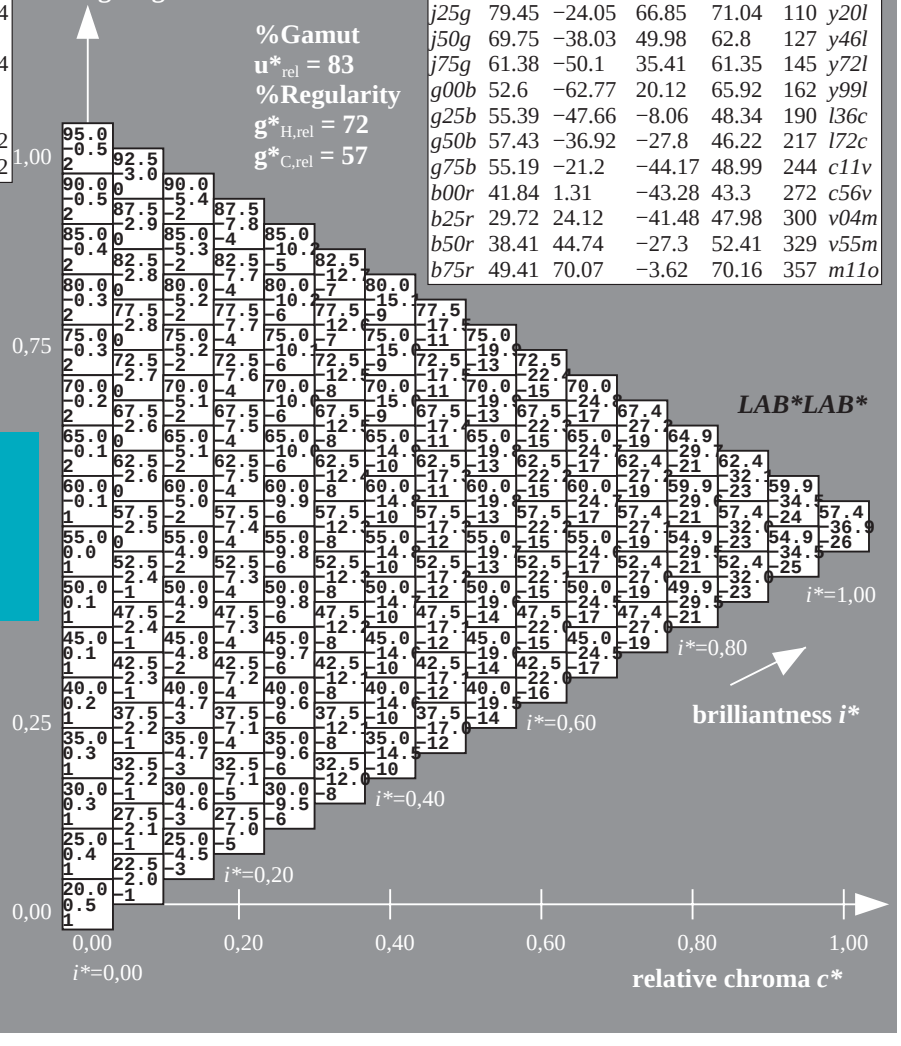
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 57 −37 −28
*LAB*LCH**$_{Ma}$: 57 46 216
*lab*rgb**$_{Ma}$: 0.0 1.0 1.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.72
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

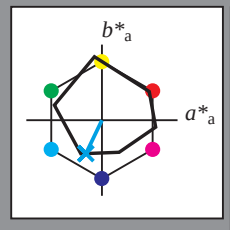
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g75b$ $u^*_d = c11v$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

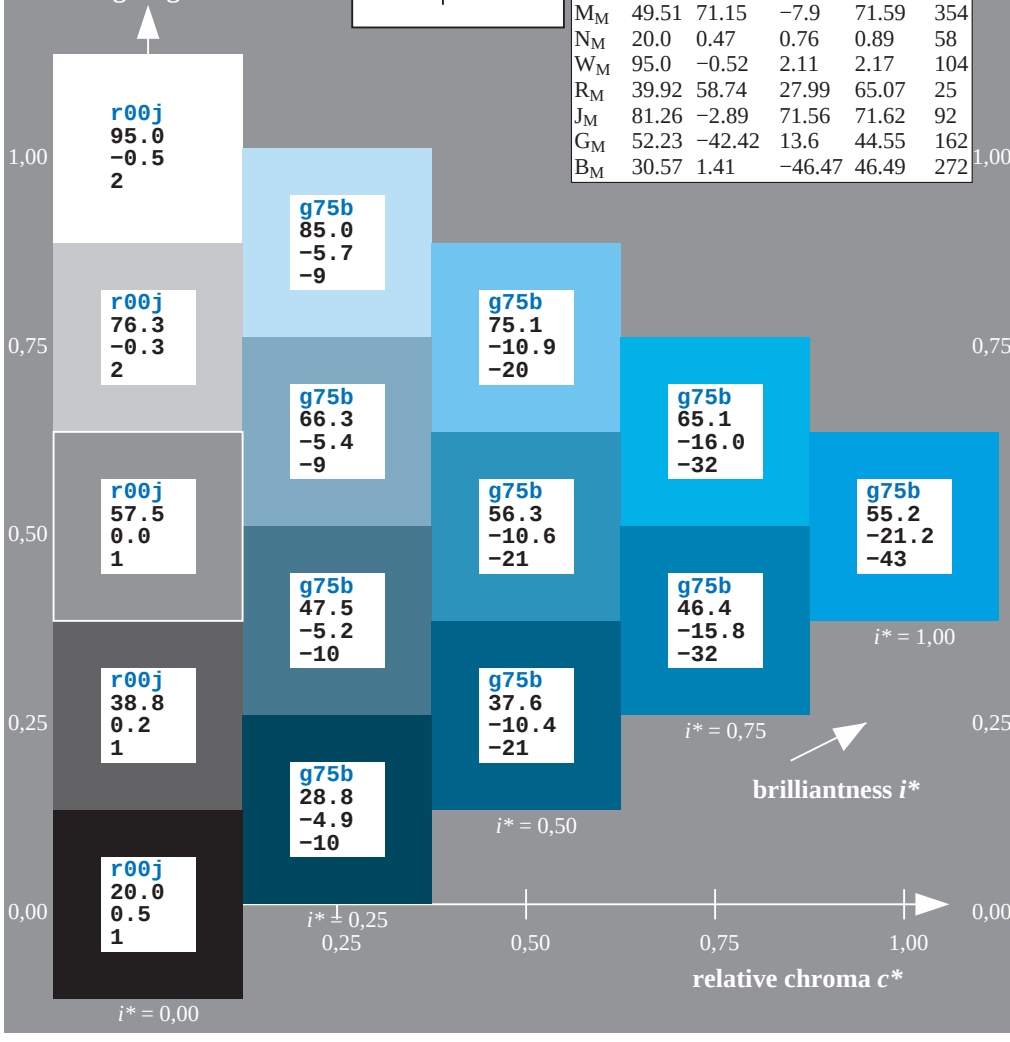
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −21 −44
*LAB*LCH**$_{Ma}$: 55 49 244
*lab*rgb**$_{Ma}$: 0.0 0.5 1.0
*lab*olv**$_{Ma}$: 0.0 0.89 1.0
triangle lightness *t**

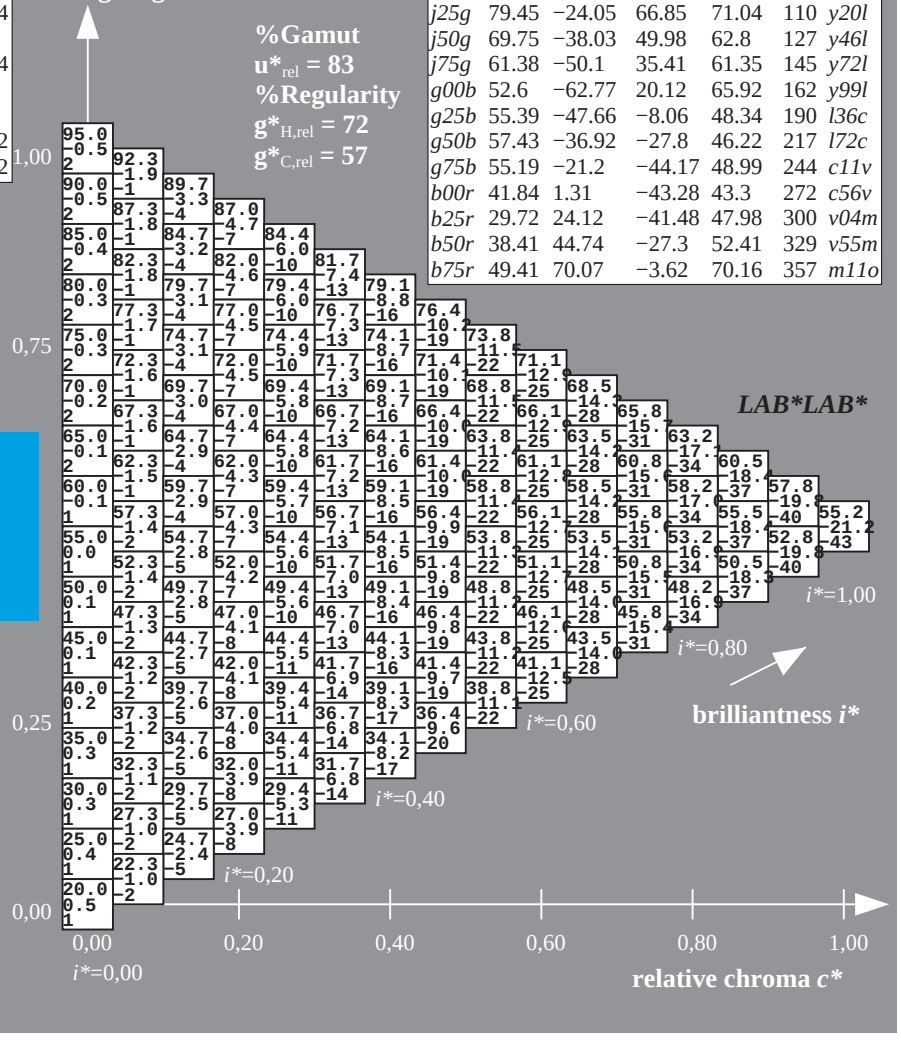
%Gamut
$u^*_{rel} = 83$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

$u^*_e = g75b$
LAB*LAB*

ORS20_95a; adapted (a) CIELAB data

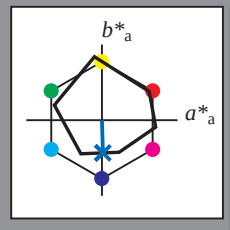
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b00r* u^*_d = *c56v*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95; CIELAB data

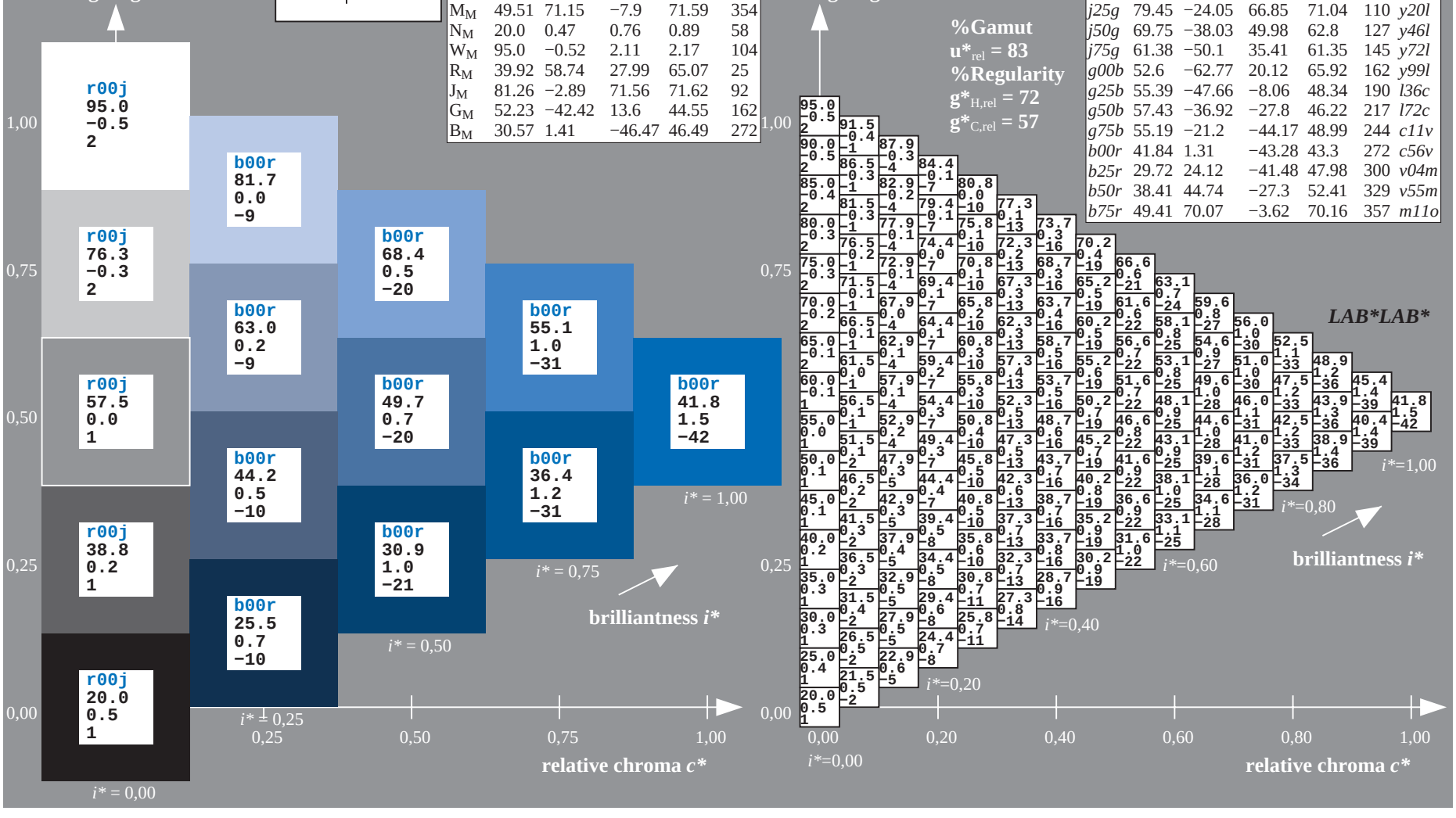
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 1 −43
*LAB*LCH**$_{Ma}$: 42 43 271
*lab*rgb**$_{Ma}$: 0.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.0 0.44 1.0
triangle lightness *t**

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

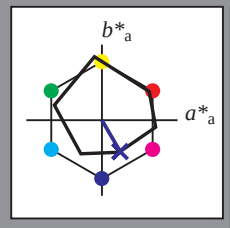
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *b25r* u^*_d = *v04m*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

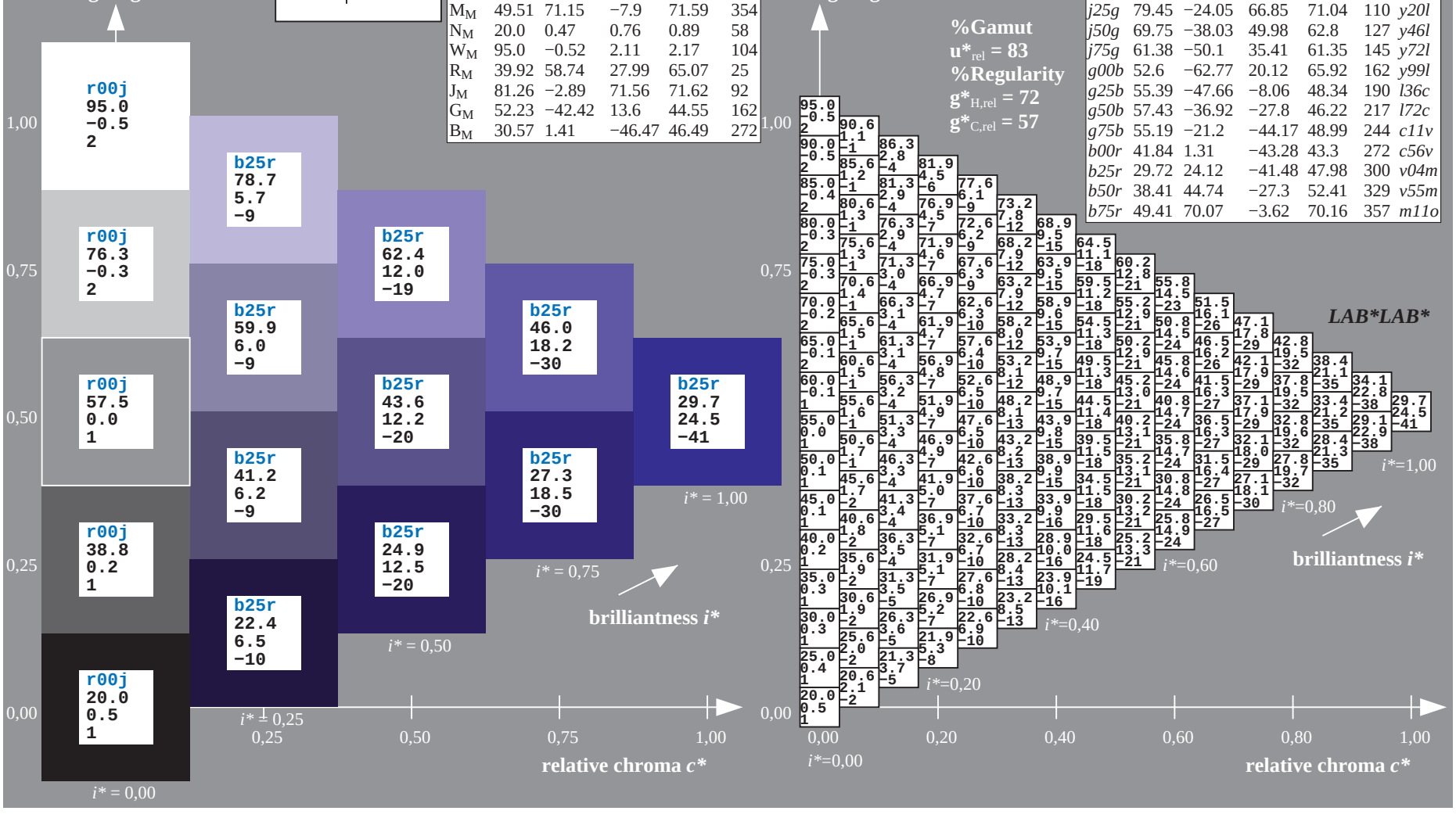
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 30 24 −41
*LAB*LCH**$_{Ma}$: 30 48 300
*lab*rgb**$_{Ma}$: 0.5 0.0 1.0
*lab*olv**$_{Ma}$: 0.04 0.0 1.0
triangle lightness *t**

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

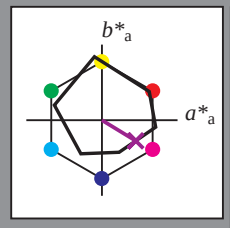
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *b50r* u^*_d = *v55m*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

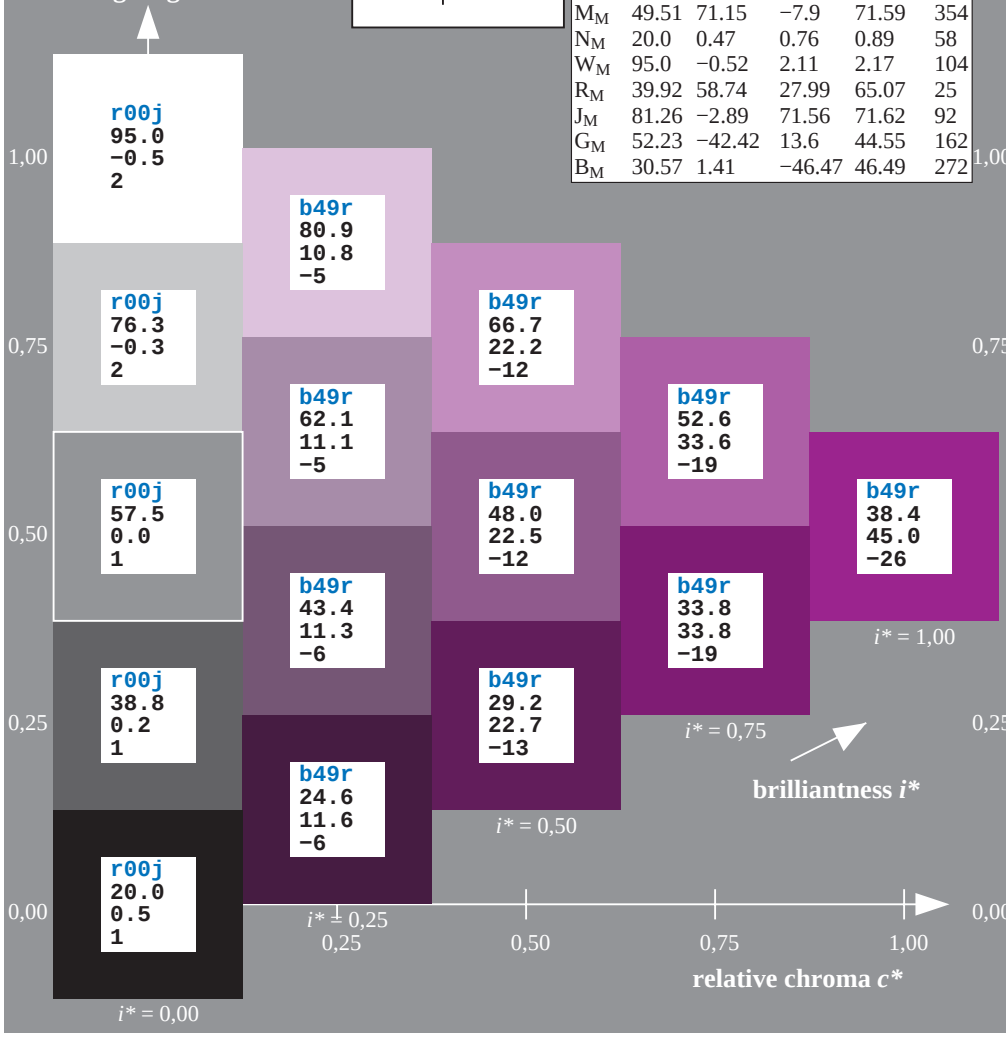
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 38 45 −27
*LAB*LCH**$_{Ma}$: 38 52 328
*lab*rgb**$_{Ma}$: 1.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.56 0.0 1.0
triangle lightness *t**

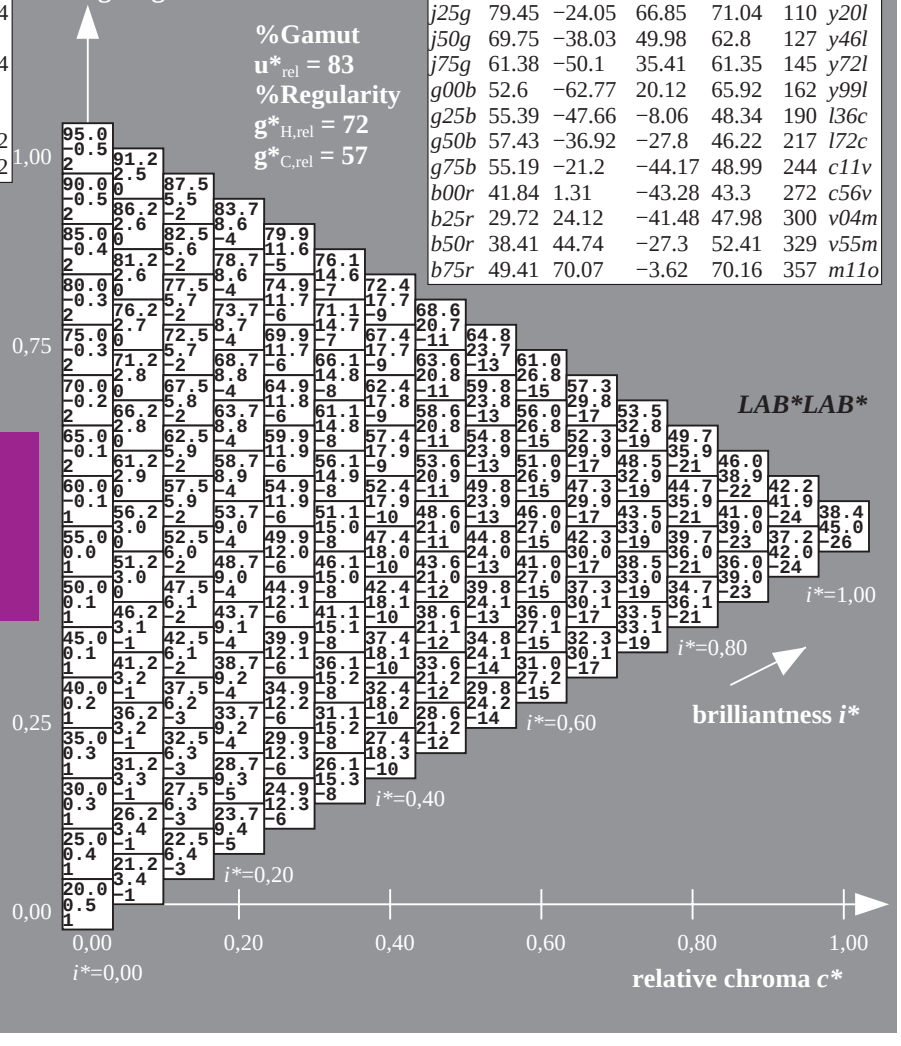
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u^*_e = *b50r*
LAB*LAB*

ORS20_95a; adapted (a) CIELAB data

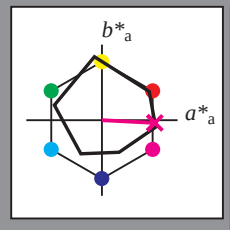
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b75r* u^*_d = *m11o*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95; CIELAB data

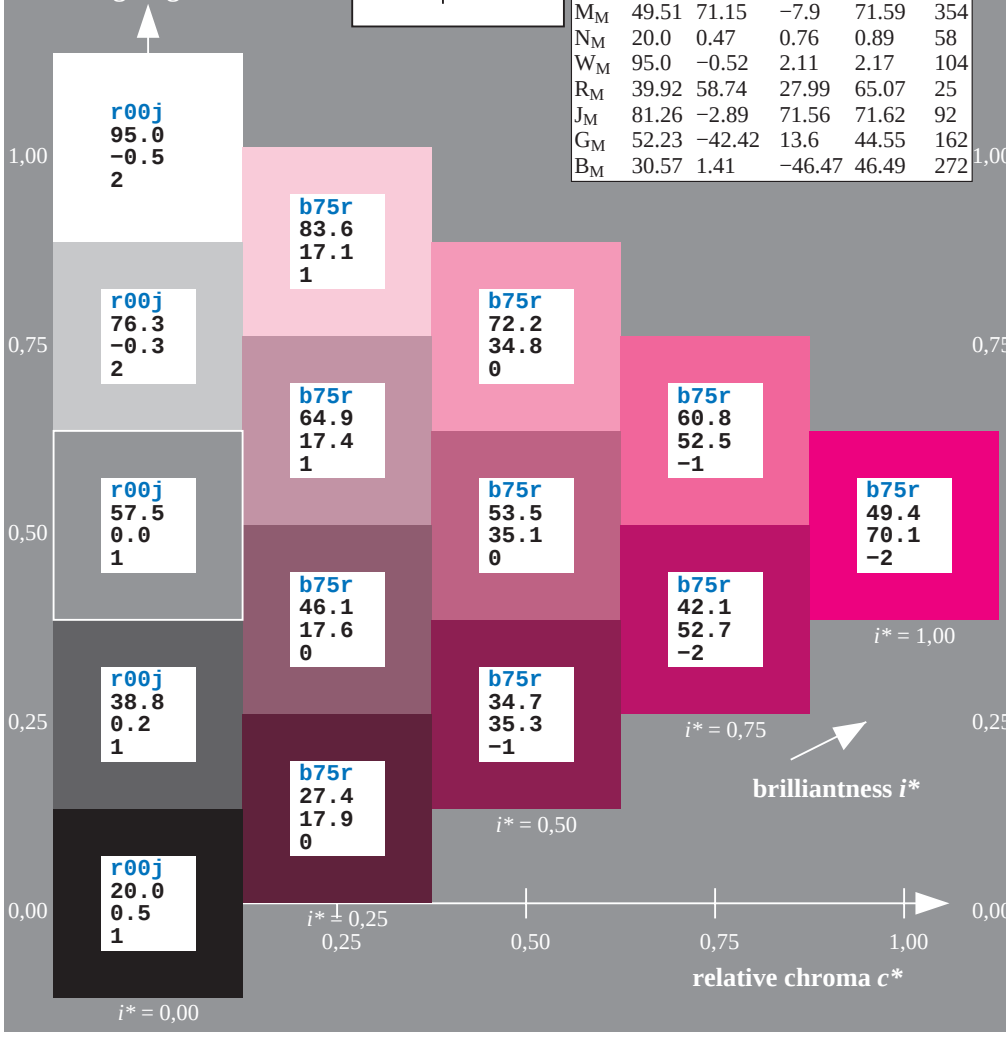
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

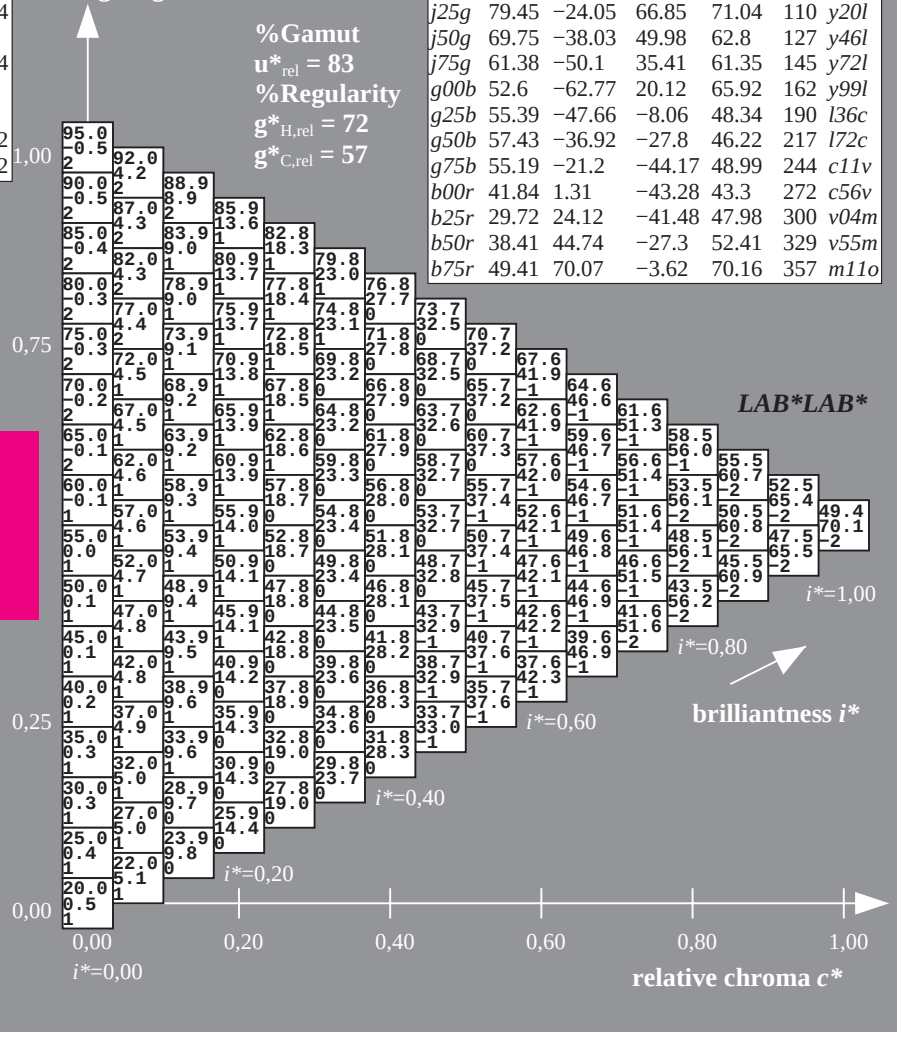
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 49 70 −4
*LAB*LCH**$_{Ma}$: 49 70 357
*lab*rgb**$_{Ma}$: 1.0 0.0 0.5
*lab*olv**$_{Ma}$: 1.0 0.0 0.89
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





See for similar files: http://www.ps.bam.de/Ee13/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*		
01	20.0 0.5 1	24.1 -7.5 3	28.1 -15.4 6	32.2 -23.3 8	36.2 -31.2 11	40.3 -39.1 14	44.4 -47.0 16	48.4 -55.0 19	52.5 -62.9 21	23.6 8.2 6	28.7 -0.9 11	32.2 -9.6 13	36.3 -17.5 16	40.4 -25.3 18	44.5 -33.1 21	48.6 -41.0 24	52.7 -48.9 26	56.8 -56.7 29	27.2 16.0 10	31.9 7.5 16	37.3 -2.2 22	40.3 -11.6 23	44.3 -19.7 25	48.4 -27.6 28	52.5 -35.4 31	56.7 -43.2 33	60.8 -51.0 36	95.0 -0.5 2	89.2 7.4 7	83.4 15.3 11	77.6 23.2 16	71.9 31.1 21	66.1 39.0 25	60.3 46.9 30	54.5 54.7 35	48.7 62.6 39	20.0 0.5 1	20.0 0.5 1	20.0 0.5 1	20.0 0.5 1
02	21.1 3.3 -5	24.9 -3.1 -5	29.1 -10.5 -3	33.2 -17.9 -1	37.3 -25.5 0	41.4 -33.1 3	45.5 -40.9 5	49.6 -48.6 7	53.7 -56.4 9	23.7 9.3 0	29.4 0.3 1	33.4 -7.6 3	37.5 -15.5 6	41.6 -23.4 9	45.6 -31.3 11	49.7 -39.2 14	53.7 -47.2 16	57.8 -55.1 19	27.3 17.1 4	33.0 8.1 6	38.0 -1.0 12	41.5 -9.7 13	45.6 -17.6 16	49.8 -25.4 18	53.9 -33.2 21	58.0 -41.1 24	62.1 -49.0 26	90.5 -3.9 -4	85.6 -0.4 2	79.8 7.5 7	74.1 15.4 11	68.3 23.3 16	62.5 31.2 20	56.7 39.1 25	50.9 47.0 30	45.1 54.9 34	29.4 0.3 1	29.4 0.3 1	29.4 0.3 1	29.4 0.3 1
03	22.3 6.1 -10	25.9 0.0 -10	29.8 -6.6 -10	33.9 -14.2 -8	38.1 -21.5 -7	42.3 -28.8 -5	46.4 -36.3 -4	50.6 -43.8 -2	54.7 -51.4 0	24.3 10.9 -6	30.5 3.2 -4	34.3 -3.2 -5	38.4 -10.6 -3	42.6 -18.0 -1	46.7 -25.6 1	50.8 -33.3 3	54.9 -41.0 5	59.0 -48.8 7	27.4 18.1 -1	33.1 9.2 0	38.8 0.2 1	42.8 -7.7 4	46.9 -15.6 6	50.9 -23.5 9	55.0 -31.5 11	59.1 -39.4 14	63.1 -47.3 16	86.0 -7.4 -9	81.1 -3.8 -4	76.3 -0.3 2	70.5 7.6 6	64.7 15.5 11	58.9 23.4 16	53.1 31.3 20	47.3 39.2 25	41.5 47.1 30	38.8 0.2 1	38.8 0.2 1	38.8 0.2 1	38.8 0.2 1
04	23.4 8.9 -15	27.1 2.7 -15	30.5 -3.2 -15	34.7 -10.2 -16	38.8 -17.8 -14	43.0 -25.1 -12	47.2 -32.4 -11	51.3 -39.8 -9	55.5 -47.2 -8	25.4 13.7 -12	31.7 6.0 -10	35.2 -0.1 -10	39.2 -6.8 -10	43.3 -14.3 -8	47.5 -21.6 -7	51.6 -29.0 -5	55.8 -36.4 -3	59.9 -43.9 -2	27.7 19.1 -8	33.7 10.8 -6	39.9 3.0 -4	43.6 -3.3 -4	47.8 -10.7 -3	52.0 -18.2 -1	56.1 -25.7 1	60.2 -33.4 3	64.3 -41.1 5	81.6 -10.8 -15	76.7 -7.2 -9	71.8 -3.7 -4	66.9 -0.2 2	61.1 7.7 6	55.3 15.6 11	49.5 23.5 16	43.7 31.4 20	37.9 39.3 25	48.1 0.1 1	48.1 0.1 1	48.1 0.1 1	48.1 0.1 1
05	24.6 11.8 -20	28.3 5.4 -21	31.7 -0.4 -21	35.3 -6.5 -21	39.6 -13.7 -21	43.7 -21.5 -19	47.8 -28.8 -17	52.0 -36.1 -16	56.2 -43.4 -15	26.5 16.5 -17	32.8 8.8 -15	36.5 2.5 -15	39.9 -3.3 -15	44.1 -10.3 -15	48.2 -18.0 -13	52.3 -25.3 -12	56.5 -32.6 -11	60.7 -39.9 -9	28.7 21.4 -14	34.8 13.5 -12	41.0 5.9 -9	44.6 -0.2 -10	48.5 -6.9 -10	52.7 -14.4 -8	56.9 -21.7 -7	61.0 -29.1 -5	65.2 -36.5 -3	77.1 -14.2 -20	72.2 -10.7 -15	67.3 -7.1 -9	62.4 -3.6 -4	57.5 0.0 1	51.7 7.9 6	45.9 15.8 11	40.1 23.7 15	34.4 31.6 20	57.5 0.0 1	57.5 0.0 1	57.5 0.0 1	57.5 0.0 1
06	25.7 14.6 -26	29.5 8.1 -26	33.0 2.2 -26	36.4 -3.6 -26	40.1 -9.8 -26	44.5 -17.3 -27	48.5 -25.1 -24	52.7 -32.5 -23	56.9 -39.8 -21	27.7 19.3 -22	33.9 11.6 -20	37.7 5.2 -20	41.1 -0.6 -21	44.7 -6.6 -21	48.9 -13.8 -21	53.0 -21.6 -19	57.2 -28.9 -17	61.4 -36.2 -16	29.7 24.1 -19	35.9 16.3 -17	42.2 8.7 -15	45.9 2.4 -15	49.3 -3.4 -15	53.4 -10.4 -15	57.5 -18.1 -13	61.7 -25.4 -12	65.9 -32.7 -10	72.6 -17.6 -26	67.7 -14.1 -21	62.8 -10.5 -15	57.9 -7.0 -10	53.0 -3.5 -4	48.1 0.1 1	42.3 8.0 6	36.6 15.9 11	30.8 23.8 15	66.9 -0.2 2	66.9 -0.2 2	66.9 -0.2 2	66.9 -0.2 2
07	26.9 17.4 -31	30.7 10.8 -31	34.2 4.9 -31	37.6 -0.9 -31	41.1 -6.8 -32	44.9 -13.2 -32	49.4 -20.8 -32	53.4 -28.7 -30	57.6 -36.1 -28	28.8 22.1 -28	35.1 14.5 -25	38.9 8.0 -26	42.4 2.1 -26	45.8 -3.7 -26	49.5 -9.9 -26	53.8 -17.4 -26	57.9 -25.2 -24	62.1 -32.6 -22	30.8 26.8 -24	37.1 19.1 -22	43.3 11.5 -20	47.1 5.1 -20	50.5 -0.7 -20	54.0 -6.7 -21	58.3 -14.0 -21	62.4 -21.7 -19	66.6 -29.1 -17	68.1 -21.1 -32	63.2 -17.5 -26	58.3 -14.0 -21	53.4 -10.4 -15	48.5 -6.9 -10	43.6 -3.3 -4	38.8 0.2 1	33.0 8.1 6	27.2 16.0 10	76.3 -0.3 2	76.3 -0.3 2	76.3 -0.3 2	76.3 -0.3 2
08	28.0 20.2 -36	31.9 13.6 -36	35.5 7.5 -37	38.9 1.8 -37	42.3 -4.0 -37	45.8 -10.1 -37	49.7 -16.7 -37	54.3 -24.4 -37	58.3 -32.3 -35	30.0 24.9 -33	36.2 17.3 -31	40.1 10.7 -31	43.6 4.7 -31	47.0 -1.0 -31	50.5 -6.9 -31	54.3 -13.4 -32	58.7 -20.9 -32	62.8 -28.8 -29	32.0 29.6 -30	38.2 22.0 -28	44.5 14.3 -25	48.3 7.8 -26	51.7 2.0 -26	55.2 -3.8 -26	58.8 -10.1 -26	63.2 -17.5 -26	67.3 -25.3 -24	63.6 -24.5 -37	58.7 -20.9 -32	53.8 -17.4 -26	48.9 -13.8 -21	44.1 -10.3 -15	39.2 -6.8 -10	34.3 -3.2 -5	29.4 0.3 1	23.6 8.2 6	85.6 -0.4 2	85.6 -0.4 2	85.6 -0.4 2	85.6 -0.4 2
09	29.1 23.1 -42	33.1 16.4 -42	36.7 10.2 -42	40.1 4.4 -42	43.5 -1.3 -42	46.9 -7.2 -42	50.6 -13.4 -43	54.6 -20.2 -43	59.1 -27.9 -43	31.1 27.7 -38	37.4 20.1 -36	41.3 13.5 -36	44.8 7.4 -36	48.2 1.6 -37	51.6 -4.1 -37	55.2 -10.2 -37	59.1 -16.8 -37	63.6 -24.5 -37	33.1 32.4 -35	39.3 24.8 -33	45.6 17.2 -31	49.5 10.6 -31	53.0 4.6 -31	56.4 -1.1 -31	59.8 -7.0 -31	63.6 -13.5 -31	68.1 -21.1 -32	59.1 -27.9 -43	54.3 -24.4 -37	49.4 -20.8 -32	44.5 -17.3 -27	39.6 -13.7 -21	34.7 -10.2 -16	29.8 -6.6 -10	24.9 -3.1 -5	20.0 0.5 1	95.0 -0.5 2	95.0 -0.5 2	95.0 -0.5 2	95.0 -0.5 2
10	30.8 23.8 15	35.6 15.1 21	40.1 6.9 26	46.0 -3.6 33	48.7 -13.4 33	52.4 -21.8 35	56.5 -29.8 37	60.6 -37.6 40	64.7 -45.5 43	34.4 31.6 20	39.3 22.6 26	43.8 14.6 31	48.5 6.0 36	54.6 -4.9 43	57.1 -15.1 43	60.7 -23.7 45	64.6 -31.9 47	68.6 -39.8 50	37.9 39.3 25	43.0 30.3 31	47.5 22.2 36	52.0 14.1 41	57.0 5.0 47	63.3 -6.3 54	65.6 -16.7 54	69.0 -25.6 55	72.8 -33.9 57	95.0 -0.5 2	94.3 -1.8 13	93.6 -3.0 23	92.8 -4.2 34	92.1 -5.4 44	91.4 -6.7 54	90.7 -7.9 65	90.0 -9.1 75	89.3 -10.4 86	20.0 0.5 1	20.0 0.5 1	20.0 0.5 1	20.0 0.5 1
11	30.9 24.9 9	36.6 15.9 11	41.3 7.4 16	46.7 -2.4 22	49.7 -11.8 23	53.7 -19.8 25	57.8 -27.7 28	61.9 -35.5 31	66.0 -43.3 33	34.5 32.7 14	40.1 23.7 15	45.0 15.0 21	49.5 6.8 26	55.3 -3.7 33	58.1 -13.6 33	61.8 -21.9 35	65.8 -29.9 38	69.9 -37.8 40	38.0 40.4 19	43.7 31.4 20	48.7 22.5 26	53.1 14.5 31	57.9 5.9 36	64.0 -5.1 44	66.5 -15.2 43	70.1 -23.9 45	74.0 -32.0 47	86.8 2.4 -3	85.6 -0.4 2	84.9 -1.6 12	84.2 -2.9 23	83.5 -4.1 33	82.7 -5.3 44	82.0 -6.6 54	81.3 -7.8 65	80.6 -9.0 75	25.0 0.4 1	25.0 0.4 1	25.0 0.4 1	25.0 0.4 1
12	31.0 25.9 3	36.7 17.0 5	42.3 8.0 6	47.4 -1.1 12	50.9 -9.9 13	55.0 -17.7 16	59.1 -25.5 19	63.3 -33.4 21	67.4 -41.2 24	34.6 33.7 8	40.2 24.8 9	45.9 15.8 11	50.6 7.3 16	56.1 -2.5 22	59.1 -11.9 23	63.1 -19.9 26	67.2 -27.8 28	71.3 -35.6 31	38.1 41.5 13	43.8 32.5 14	49.5 23.5 16	54.4 14.8 21	58.9 6.7 26	64.7 -3.8 33	67.4 -13.7 33	71.2 -22.0 35	75.2 -30.0 38	78.5 5.4 -9	77.4 2.6 -4	76.3 -0.3 2	75.5 -1.5 12	74.8 -2.7 23	74.1 -4.0 33	73.4 -5.2 44	72.7 -6.4 54	71.9 -7.7 65	30.0 0.3 1	30.0 0.3 1	30.0 0.3 1	30.0 0.3 1
13	31.1 27.0 -2	36.8 18.0 -1	42.4 9.1 0	48.1 0.1 1	52.2 -7.8 4	56.2 -15.7 6	60.3 -23.7 9	64.4 -31.6 12	68.4 -39.5 14	34.7 34.7 2	40.3 25.8 4	46.0 16.8 5	51.7 7.9 6	56.8 -1.3 12	60.3 -10.0 13	64.4 -17.8 16	68.5 -25.7 19	72.6 -33.5 21	38.2 42.5 7	43.9 33.6 8	49.6 24.6 9	55.3 15.6 11	60.0 7.2 16	65.4 -2.6 23	68.5 -12.0 23	72.4 -20.1 26	76.5 -27.9 28	70.3 8.3 -14	69.2 5.5 -9	68.0 2.7 -4	66.9 -0.2 2	66.2 -1.4 12	65.4 -2.6 23	64.7 -3.8 33	64.0 -5.1 44	63.3 -6.3 54	35.0 0.3 1	35.0 0.3 1	35.0 0.3 1	35.0 0.3 1
14	31.2 27.4 -9	37.1 18.9 -8	43.1 10.7 -6	49.3 2.9 -4	53.0 -3.5 -4	57.2 -10.9 -3	61.3 -18.3 -1	65.5 -25.8 1	69.6 -33.5 3	34.8 35.8 -4	40.4 26.9 -2	46.1 17.9 -1	51.8 8.9 0	57.5 0.0 1	61.6 -7.9 4	65.6 -15.9 7	69.7 -23.8 9	73.7 -31.7 12	38.3 43.6 1	44.0 34.6 3	49.7 25.7 4	55.4 16.7 5	61.1 7.7 6	66.2 -1.4 12	69.7 -10.1 14	73.8 -17.9 16	77.9 -25.8 19	62.1 11.3 -20	60.9 8.4 -14	59.8 5.6 -9	58.6 2.8 -4	57.5 0.0 1	56.8 -1.3 12	56.1 -2.5 22	55.3 -3.7 33	54.6 -4.9 43	40.0 0.2 1	40.0 0.2 1	40.0 0.2 1	40.0 0.2 1
15	32.0 29.4 -15	38.0 21.3 -13	44.2 13.4 -11	50.4 5.7 -9	54.0 -0.4 -9	57.9 -7.0 -10	62.0 -14.5 -8	66.2 -21.8 -6	70.4 -29.2 -5	34.8 35.9 -11	40.6 27.3 -9	46.5 18.8 -8	52.5 10.6 -6	58.6 2.8 -4	62.4 -3.6 -4	66.6 -11.0 -2	70.7 -18.4 -1	74.8 -26.0 1	38.4 44.6 -5	44.1 35.7 -3	49.8 26.7 -2	55.5 17.8 -1	61.2 8.8 0	66.9 -0.2 2	70.9 -8.1 4	75.0 -16.0 7	79.1 -23.9 9	53.8 14.2 -25	52.7 11.4 -20	51.6 8.6 -15	50.4 5.7 -9	49.3 2.9 -4	48.1 0.1 1	47.4 -1.1 12	46.7 -2.4 22	46.0 -3.6 33	45.0 0.1 1	45.0 0.1 1	45.0 0.1 1	45.0 0.1 1
16	33.0 31.9 -21	39.1 24.0 -19	45.3 16.2 -17	51.6 8.6 -15	55.2 2.3 -15	58.7 -3.5 -15	62.8 -10.5 -15	66.9 -18.2 -13	71.1 -25.5 -12	35.4 37.6 -17	41.4 29.3 -15	47.4 21.2 -13	53.5 13.3 -11	59.8 5.6 -9	63.4 -0.5 -9	67.3 -7.1 -9	71.4 -14.7 -8	75.6 -22.0 -6	38.3 44.5 -12	44.1 35.8 -11	49.9 27.2 -9	55.8 18.7 -8	61.8 10.5 -6	68.0 2.7 -4	71.8 -3.7 -4	75.9 -11.1 -2	80.1 -18.5 -1	45.6 17.2 -31	44.5 14.3 -25	43.3 11.5 -20	42.2 8.7 -15	41.0 5.9 -9	39.9 3.0 -4	38.8 0.2 1	38.0 -1.0 12	37.3 -2.2 22	50.0 0.1 1	50.0 0.1 1	50.0 0.1 1	50.0 0.1 1
17	34.1 34.5 -26	40.2 26.7 -24	46.4 19.0 -22	52.7 11.4 -20	56.5 5.0 -20	59.9 -0.8 -20	63.4 -6.8 -20	67.7 -14.1 -21	71.8 -21.8 -18	36.3 39.9 -22	42.4 31.8 -21	48.5 23.8 -19	54.7 16.1 -17	60.9 8.4 -14	64.6 2.2 -15	68.0 -3.7 -15	72.2 -10.7 -15	76.3 -18.3 -13	38.9 46.0 -18	44.8 37.5 -17	50.8 29.2 -15	56.8 21.1 -13	62.9 13.2 -11	69.2 5.5 -9	72.7 -0.6 -9	76.7 -7.2 -9	80.8 -14.8 -7	37.4 20.1 -36	36.2 17.3 -31	35.1 14.5 -25	33.9 11.6 -20	32.8 8.8 -15	31.7 6.0 -10	30.5 3.2 -4	29.4 0.3 1	28.7 -0.9 11	55.0 0.0 1	55.0 0.0 1	55.0 0.0 1	55.0 0.0 1
18	35.1 37.3 -32	41.3 29.5 -30	47.6 21.8 -27	53.8 14.2 -25	57.7 7.7 -25	61.1 1.8 -26	64.5 -3.9 -26	68.2 -10.2 -26	72.6 -17.6 -26	37.3 42.4 -28	43.4 34.4 -26	49.6 26.6 -24	55.8 18.9 -22	62.1 11.3 -20	65.8 4.9 -20	69.2 -0.9 -20	72.8 -6.9 -20	77.1 -14.2 -20	39.7 48.0 -24	45.7 39.8 -22	51.7 31.7 -20	57.9 23.7 -19	64.0 16.0 -16	70.3 8.3 -14	74.0 2.0 -14	77.4 -3.8 -15	81.6 -10.8 -15	29.1 23.1 -42	28.0 20.2 -36	26.9 17.4 -31	25.7 14.6 -26	24.6 11.8 -20	23.4 8.9 -15	22.3 6.1 -10	21.1 3.3 -5	20.0 0.5 1	60.0 -0.1 1	60.0 -0.1 1	60.0 -0.1 1	60.0 -0.1 1
19	41.5 47.1 30	46.6 37.9 35	51.2 29.7 41	55.6 21.7 46	60.3 13.3 51	65.5 3.9 57	71.9 -7.7 65	74.1 -18.2 64	77.4 -27.3 65	45.1 54.9 34	50.3 45.6 40	54.9 37.2 46	59.4 29.2 51	63.8 21.1 56	68.6 12.5 61	74.1 2.8 68	80.6 -9.0 75	82.7 -19.7 74	48.7 62.6 39	53.9 53.3 45	58.6 44.8 51	63.1 36.8 56	67.5 28.8 61	72.1 20.5 66	77.0 11.6 72	82.6 1.6 78	89.3 -10.4 86	95.0 -0.5 2	89.7 -8.3 5	84.4 -16.1 7	79.1 -23.9 9	73.7 -31.7 12	68.4 -39.5 14	63.1 -47.3 16	57.8 -55.1 19	52.5 -62.9 21	65.0 -0.1 2	65.0 -0.1 2	65.0 -0.1 2	65.0 -0.1 2
20	41.6 48.2 23	47.3 39.2 25	52.3 30.1 31	56.9 22.0 36	61.4 13.9 41	66.4 4.9 47	72.7 -6.4 54	75.0 -16.8 54	78.4 -25.7 55	45.2 56.0 28	50.9 47.0 30	56.0 37.8 36	60.6 29.6 41	65.0 21.6 46	69.7 13.2 51	74.9 3.8 57	81.3 -7.8 65	83.5 -18.3 64	48.8 63.8 33	54.5 54.7 35	59.6 45.5 40	64.3 37.1 46	68.7 29.1 51	73.2 21.0 56	78.0 12.4 62	83.4 2.7 68	90.0 -9.1 75	89.3 8.4 1	85.6 -0.4 2	80.3 -8.2 4	75.0 -16.0 7	69.7 -23.8 9	64.4 -31.6 12	59.1 -39.4 14	53.7 -47.2 16	48.4 -55.0 19	70.0 -0.2 2	70.0 -0.2 2	70.0 -0.2 2	70.0 -0.2 2
21	41.7 49.3 17	47.4 40.3 19	53.1 31.3 20	58.1 22.4 26	62.5 14.4 31	67.3 5.8 37	73.4 -5.2 44	75.9 -15.4 43	79.4 -24.0 45	45.3 57.1 22	51.0 48.1 24	56.7 39.1 25	61.7 30.0 31	66.2 21.9 36	70.7 13.8 41	75.7 4.8 47	82.0 -6.6 54	84.4 -16.9 54	48.9 64.9 27	54.6 55.9 28	60.3 46.9 30	65.4 37.7 36	70.0 29.4 41	74.4 21.4 46	79.0 13.1 52	84.3 3.7 58	90.7 -7.9 65	83.6 17.4 0	79.9 8.6 1	76.3 -0.3 2	70.9 -8.1 4	65.6 -15.9 7	60.3 -23.7 9	55.0 -31.5 11	49.7 -39.2 14	44.4 -47.0 16	75.0 -0.3 2	75.0 -0.3 2	75.0 -0.3 2	75.0 -0.3 2
22	41.8 50.3 12	47.5 41.4 13	53.2 32.4 14	58.9 23.4 16	63.7 14.7 21	68.3 6.5 26	74.1 -4.0 33	76.8 -13.8 33	80.6 -22.2 35	45.4 58.1 16	51.1 49.2 18	56.8 40.2 19	62.5 31.2 20	67.4 22.3 26	71.9 14.2 31	76.6 5.7 37	82.7 -5.3 44	85.2 -15.5 44	49.0 65.9 21	54.7 57.0 22	60.4 48.0 24	66.1 39.0 25	71.1 29.9 31	75.6 21.8 36	80.1 13.7 41	85.1 4.7 47	91.4 -6.7 54	77.9 26.4 -2	74.3 17.5 -1	70.6 8.7 1	66.9 -0.2 2	61.6 -7.9 4	56.2 -15.7 6	50.9 -23.5 9	45.6 -31.3 11	40.3 -39.1 14	80.0 -0.3 2	80.0 -0.3 2	80.0 -0.3 2	80.0 -0.3 2
23	41.9 51.3 6	47.6 42.4 7	53.3 33.5 8	59.0 24.5 10	64.7 15.5 11	69.4 7.0 16	74.8 -2.7 23	77.8 -12.1 23	81.8 -20.2 26	45.5 59.1 11	51.2 50.2 12	56.9 41.3 13	62.6 32.3 14	68.3 23.3 16	73.1 14.6 21	77.6 6.4 27	83.5 -4.1 33	86.2 -13.9 34	49.1 66.9 15	54.8 58.0 17	60.5 49.0 18	66.2 40.1 19	71.9 31.1 21	76.8 22.2 26	81.3 14.1 31	86.0 5.5 37	92.1 -5.4 44	72.3 35.3 -3	68.6 26.5 -2	64.9 17.6 -1	61.2 8.8 0	57.5 0.0 1	52.2 -7.8 4	46.9 -15.6 6	41.6 -23.4 9	36.2 -31.2 11	85.0 -0.4 2	85.0 -0.4 2	85.0 -0.4 2	85.0 -0.4 2
24	42.0 52.4 0	47.7 43.4 2	53.4 34.5 3	59.1 25.5 4	64.8 16.6 5	70.5 7.6 6	75.5 -1.5 12	79.0 -10.2 14	83.1 -18.1 16	45.6 60.2 5	51.3 51.2 6	57.0 42.3 7	62.7 33.3 9	68.4 24.4 10	74.1 15.4 11	78.8 6.9 17	84.2 -2.9 23	87.2 -12.3 24	49.2 68.0 10	54.9 59.0 11	60.6 50.1 12	66.3 41.1 13	72.0 32.2 14	77.6 23.2 16	82.5 14.5 22	87.0 6.3 27	92.8 -4.2 34	66.6 44.3 -4	62.9 35.4 -3	59.2 26.6 -2	55.5 17.8 -1	51.8 8.9 0	48.1 0.1 1	42.8 -7.7 4	37.5 -15.5 6	32.2 -23.3 8	90.0 -0.5 2	90.0 -0.5 2	90.0 -0.5 2	90.0 -0.5 2
25	42.1 53.5 -6	47.8 44.5 -4	53.5 35.6 -3	59.2 26.6 -2	64.9 17.6 -1	70.6 8.7 1	76.3 -0.3 2	80.3 -8.2 4	84.4 -16.1 7	45.7 61.2 -1	51.4 52.3 0	57.1 43.3 2	62.8 34.4 3	68.5 25.4 4	74.2 16.5 5	79.8 7.5 7	84.9 -1.6 12	88.4 -10.4 14	49.3 69.0 4	55.0 60.0 5	60.7 51.1 6	66.4 42.2 8	72.1 33.2 9	77.7 24.3 10	83.4 15.3 11	88.1 6.8 17	93.6 -3.0 23	60.9 53.2 -5	57.2 44.4 -4	53.5 35.6 -3	49.8 26.7 -2	46.1 17.9 -1	42.4 9.1 0	38.8 0.2 1	33.4 -7.6 3	28.1 -15.4 6	95.0 -0.5 2	95.0 -0.5 2	95.0 -0.5 2	95.0 -0.5 2
26	42.0 53.2 -13	47.7 44.4 -12	53.5 35.7 -10	59.3 27.1 -9	65.2 18.6 -7	71.2 10.3 -6	77.4 2.6 -4	81.1 -3.8 -4	85.3 -11.2 -2	45.8 62.3 -7	51.5 53.4 -6	57.2 44.4 -4	62.9 35.4 -3	68.6 26.5 -2	74.3 17.5 -1	79.9 8.6 1	85.6 -0.4 2	89.7 -8.3 5	49.4 70.1 -2	55.1 61.1 -1	60.8 52.1 1	66.5 43.2 2	72.2 34.2 3	77.8 25.3 4	83.5 16.3 5	89.2 7.4 7	94.3 -1.8 13	55.2 62.2 -7	51.5 53.4 -6	47.8 44.5 -4	44.1 35.7 -3	40.4 26.9 -2	36.8 18.0 -1	33.1 9.2 0	29.4 0.3 1	24.1 -7.5 3	20.0 0.5 1	48.7 62.6 39	89.3 -10.4 86	52.5 -62.9 21
27	42.4 54.4 -20	48.3 45.8 -18	54.2 37.4 -16	60.1 29.1 -15	66.2 20.9 -13	72.3 13.0 -11	78.5 5.4 -9	82.1 -0.7 -9	86.0 -7.4 -9	45.6 61.9 -14	51.3 53.1 -13	57.1 44.3 -12	62.9 35.6 -10	68.7 26.9 -9	74.6 18.4 -7	80.6 10.2 -5	86.8 2.4 -3	90.5 -3.9 -4	49.5 71.2 -8	55.2 62.2 -7	60.9 53.2 -5	66.6 44.3 -4	72.3 35.3 -3	77.9 26.4 -2	83.6 17.4 0	89.3 8.4 1	95.0 -0.5 2	49.5 71.2 -8	45.8 62.3 -7	42.1 53.5 -6	38.4 44.6 -5	34.8 35.8 -4	31.1 27.0 -2	27.4 18.1 -1	23.7 9.3 0	20.0 0.5 1	95.0 -0.5 2	59.1 -27.9 -43	29.1 23.1 -42	49.5 71.2 -8

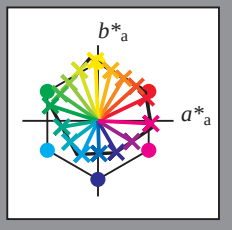
BAM registration: 20081001-Ee13/10L/L13E00NP.PS/ .PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta

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

Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 0.96

ORS20_95a; adapted (a) CIELAB data

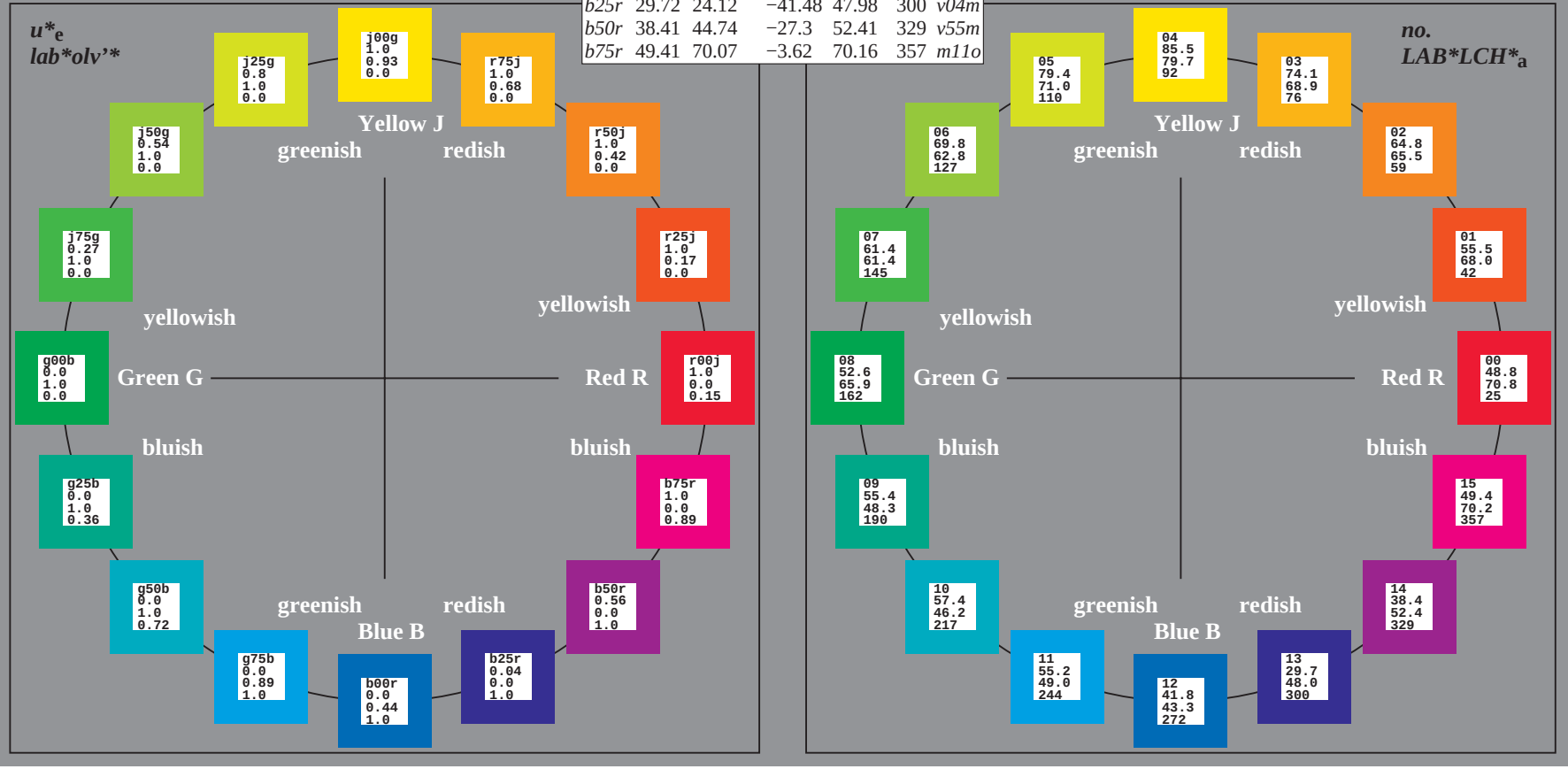
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

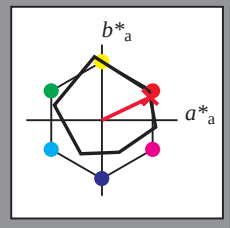
ORS20_95a; CIELAB data

Name	*L*=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *r00j* u^*_d = *m84o*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

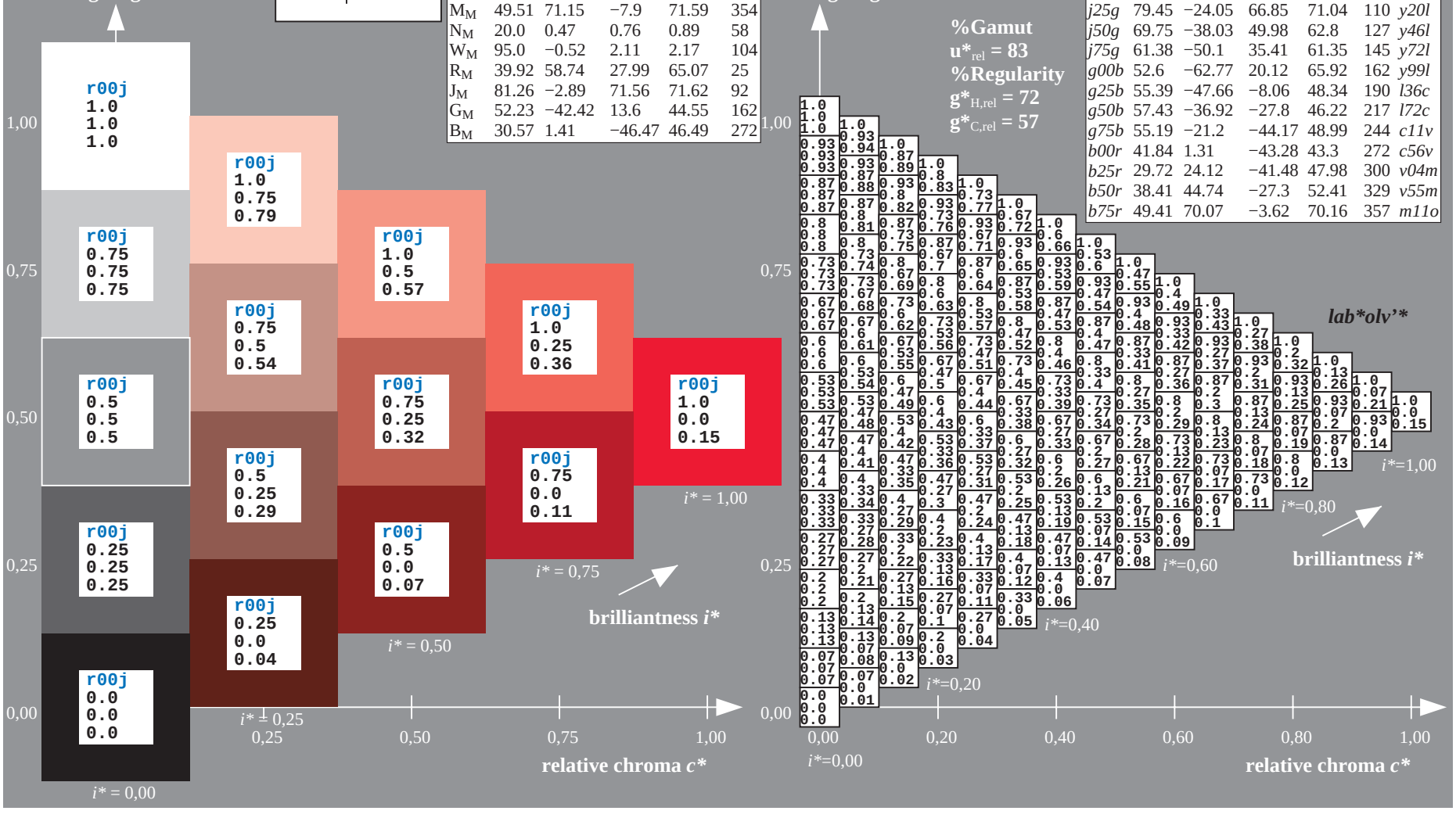
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 49 64 30
*LAB*LCH**$_{Ma}$: 49 71 25
*lab*rgb**$_{Ma}$: 1.0 0.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.0 0.15
triangle lightness *t**

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

u^*_e = *r00j*
*lab*olv'**

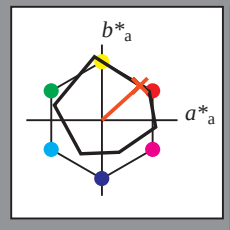
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r25j* u^*_d = *o17y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

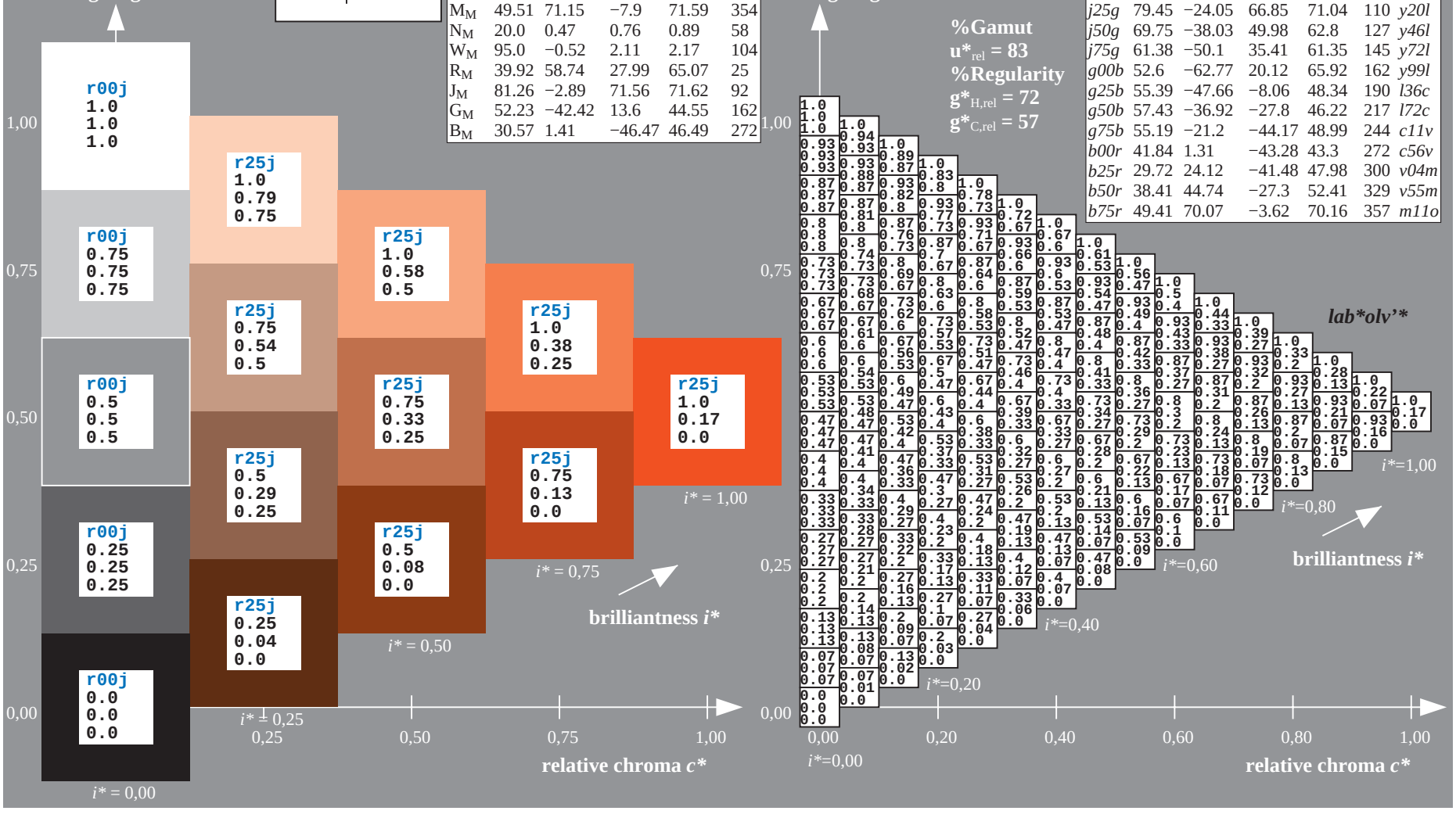
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 56 50 46
*LAB*LCH**$_{Ma}$: 56 68 42
*lab*rgb**$_{Ma}$: 1.0 0.25 0.0
*lab*olv**$_{Ma}$: 1.0 0.17 0.0
triangle lightness *t**

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

u^*_e = *r25j*
*lab*olv'**

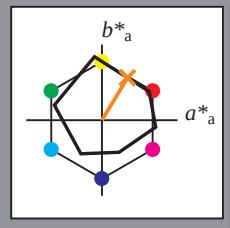
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r50j* u^*_d = *o42y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

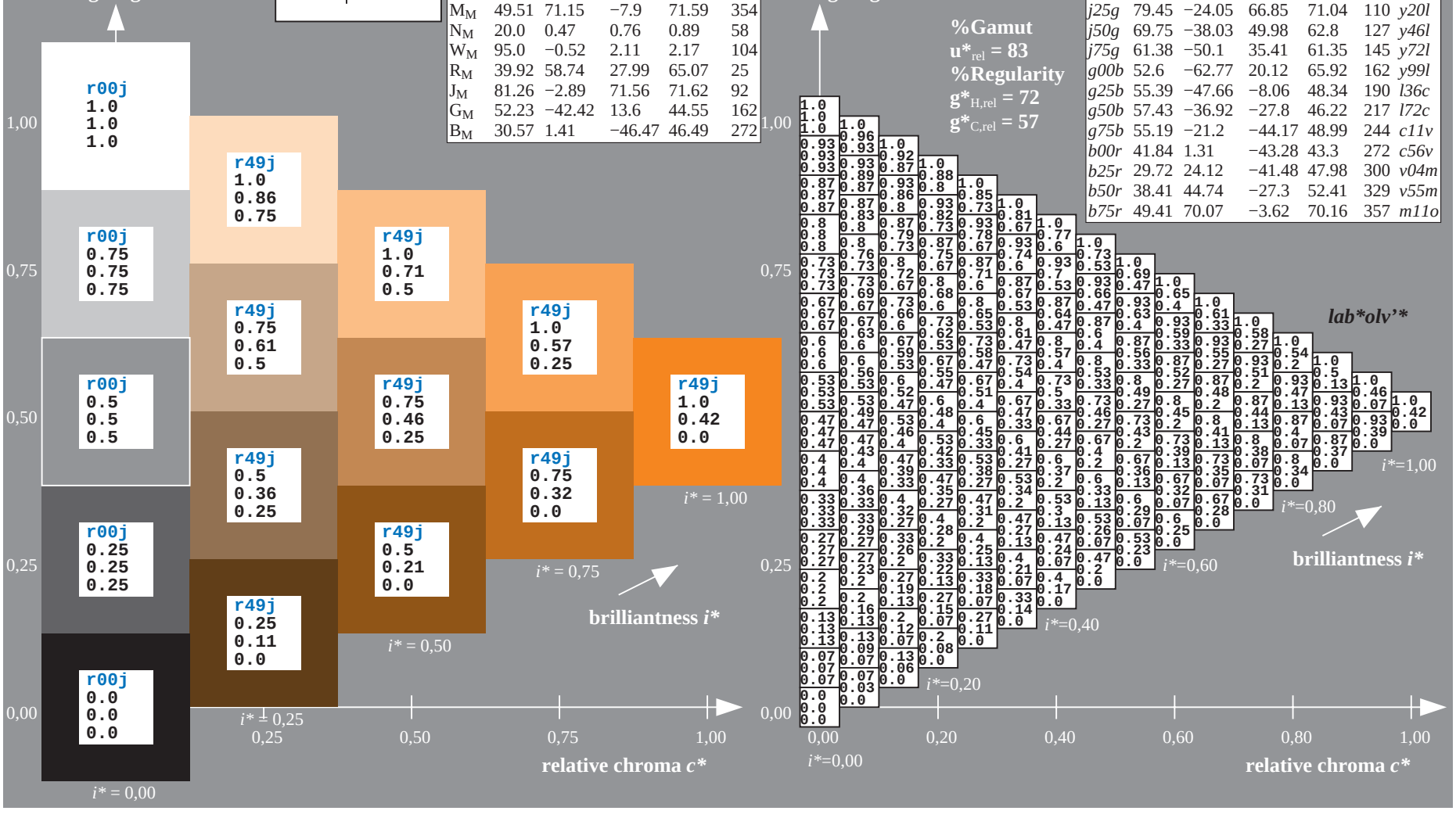
*u*e*	*L*=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 65 34 56
*LAB*LCH**$_{Ma}$: 65 66 58
*lab*rgb**$_{Ma}$: 1.0 0.5 0.0
*lab*olv**$_{Ma}$: 1.0 0.42 0.0
triangle lightness *t**

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

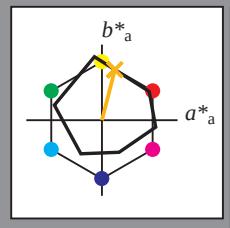
ORS20_95a; adapted (a) CIELAB data

*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = r75j$ $u^*_d = o67y$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

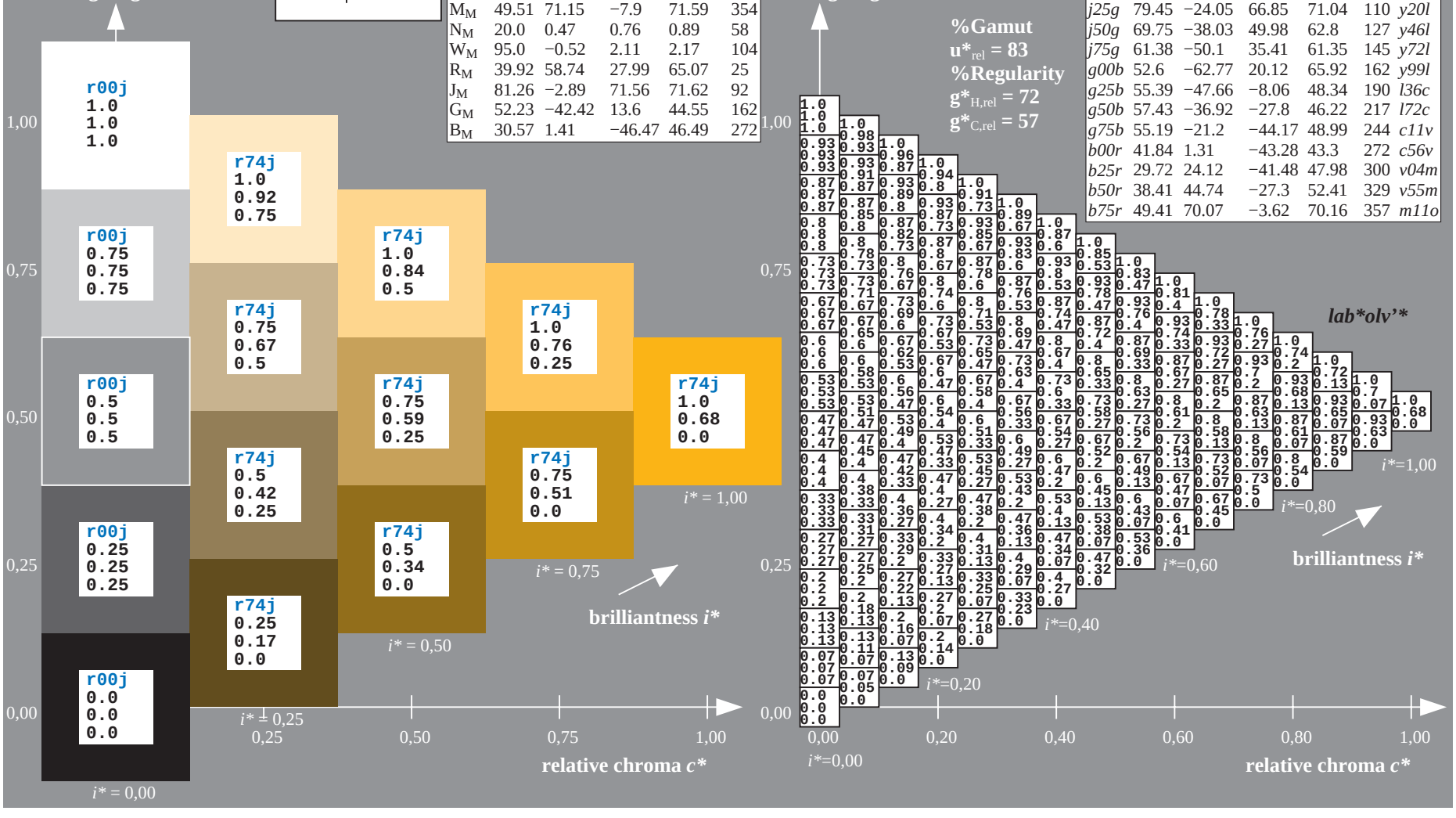
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 74 17 67
$LAB^*LCH^*_{Ma}$: 74 69 75
$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0
$lab^*olv^*_{Ma}$: 1.0 0.68 0.0
triangle lightness *t**

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

$u^*_e = r75j$
$lab^*olv'^*$

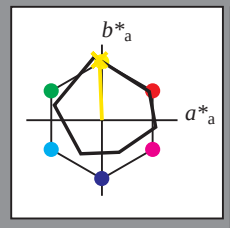
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *j00g* u^*_d = *o92y*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

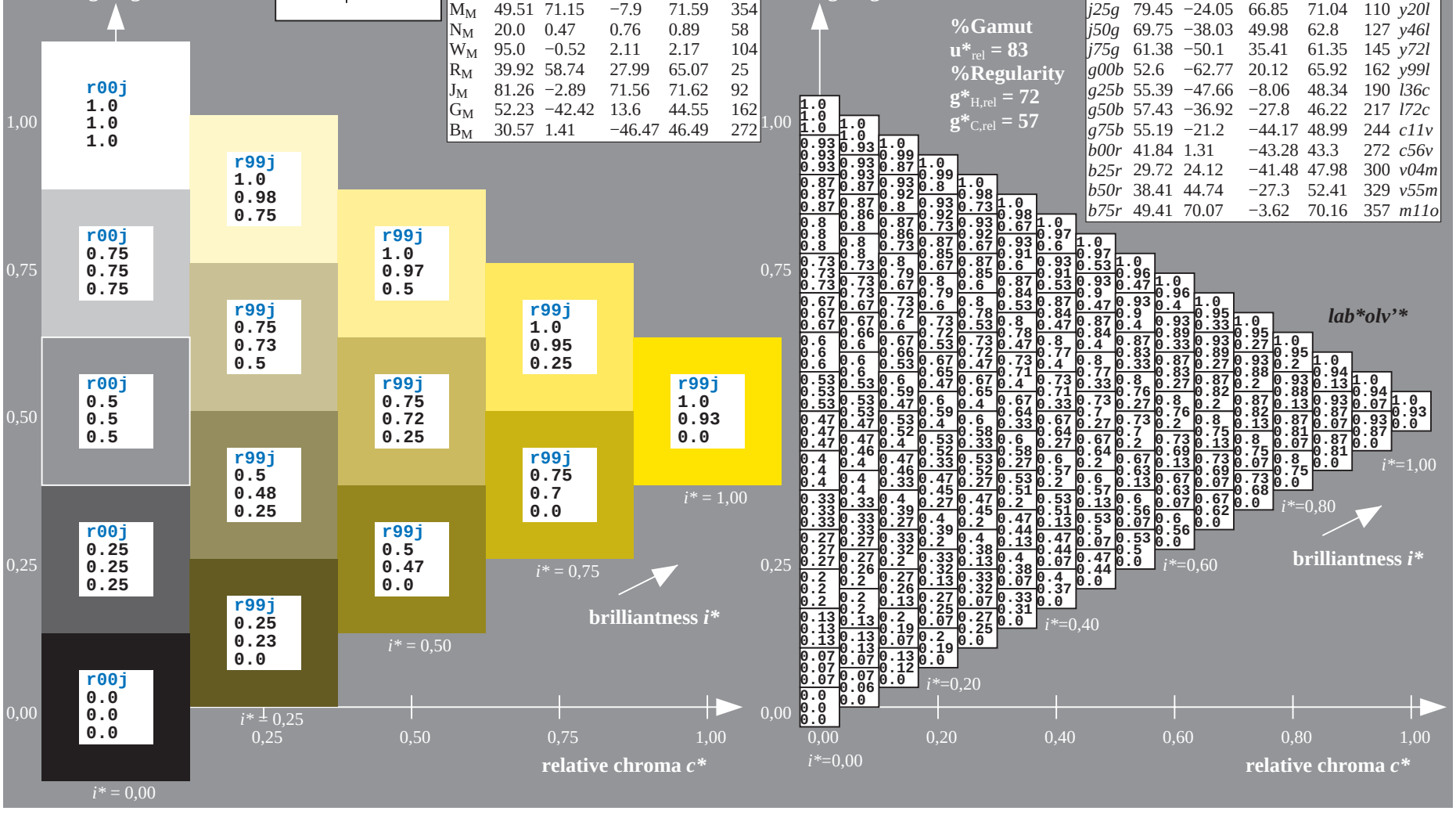
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 86 −3 80
*LAB*LCH**$_{Ma}$: 86 80 92
*lab*rgb**$_{Ma}$: 1.0 1.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.93 0.0
triangle lightness *t**

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

u^*_e = *j00g*
*lab*olv'**

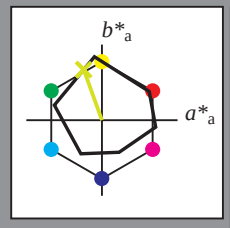
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j25g* u^*_d = *y20l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

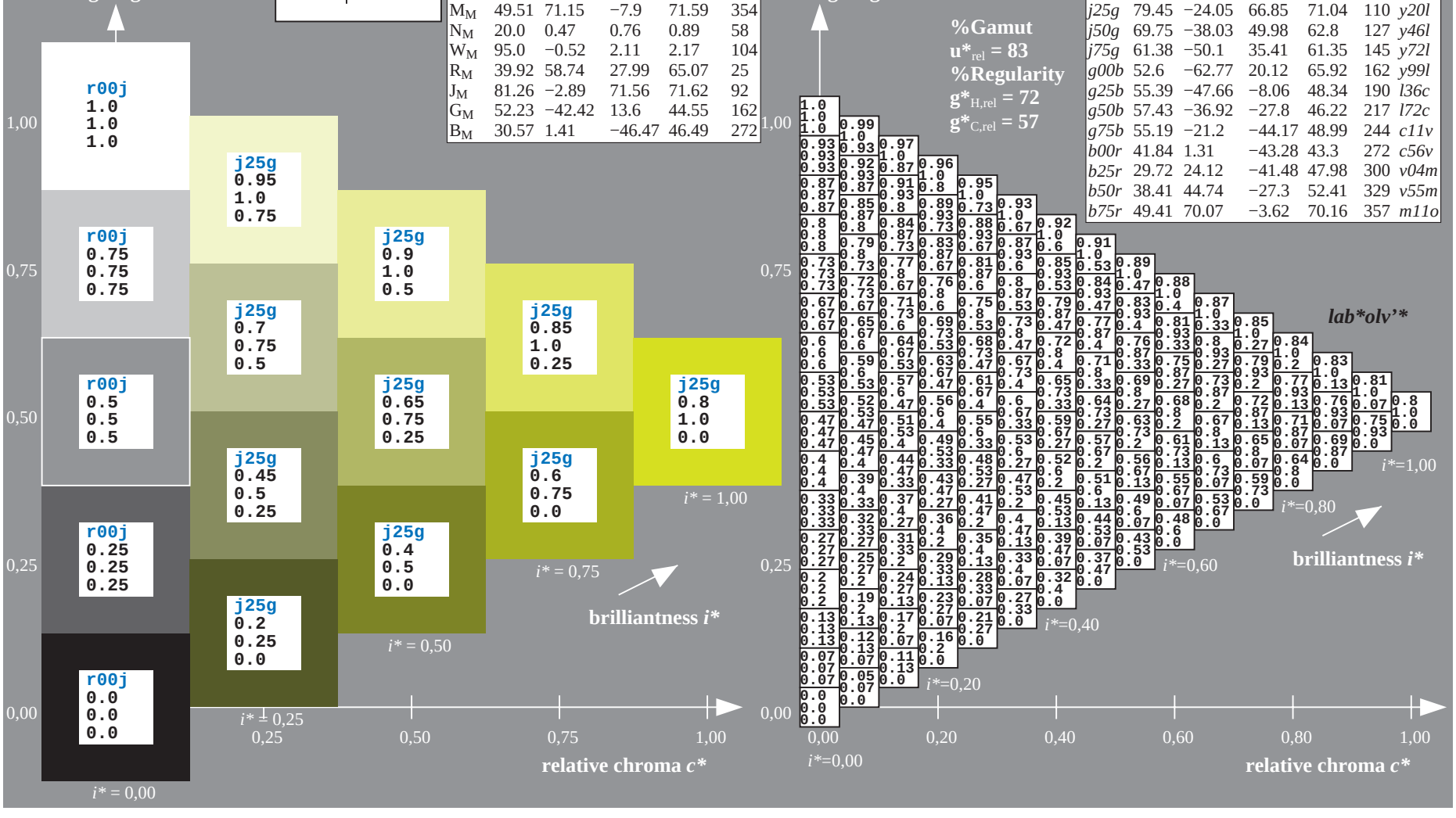
	u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32	
Y_M	89.25	−10.36	85.91	86.53	97	
L_M	52.5	−62.88	21.3	66.38	161	
C_M	59.15	−27.92	−42.97	51.24	237	
V_M	29.13	23.07	−41.51	47.5	299	
M_M	49.51	71.15	−7.9	71.59	354	
N_M	20.0	0.47	0.76	0.89	58	
W_M	95.0	−0.52	2.11	2.17	104	
R_M	39.92	58.74	27.99	65.07	25	
J_M	81.26	−2.89	71.56	71.62	92	
G_M	52.23	−42.42	13.6	44.55	162	
B_M	30.57	1.41	−46.47	46.49	272	

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 79 −24 67
*LAB*LCH**$_{Ma}$: 79 71 109
*lab*rgb**$_{Ma}$: 0.75 1.0 0.0
*lab*olv**$_{Ma}$: 0.8 1.0 0.0
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

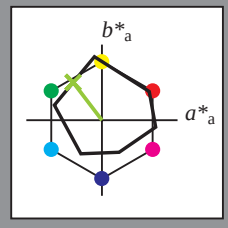
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j50g* u^*_d = *y46l*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; CIELAB data

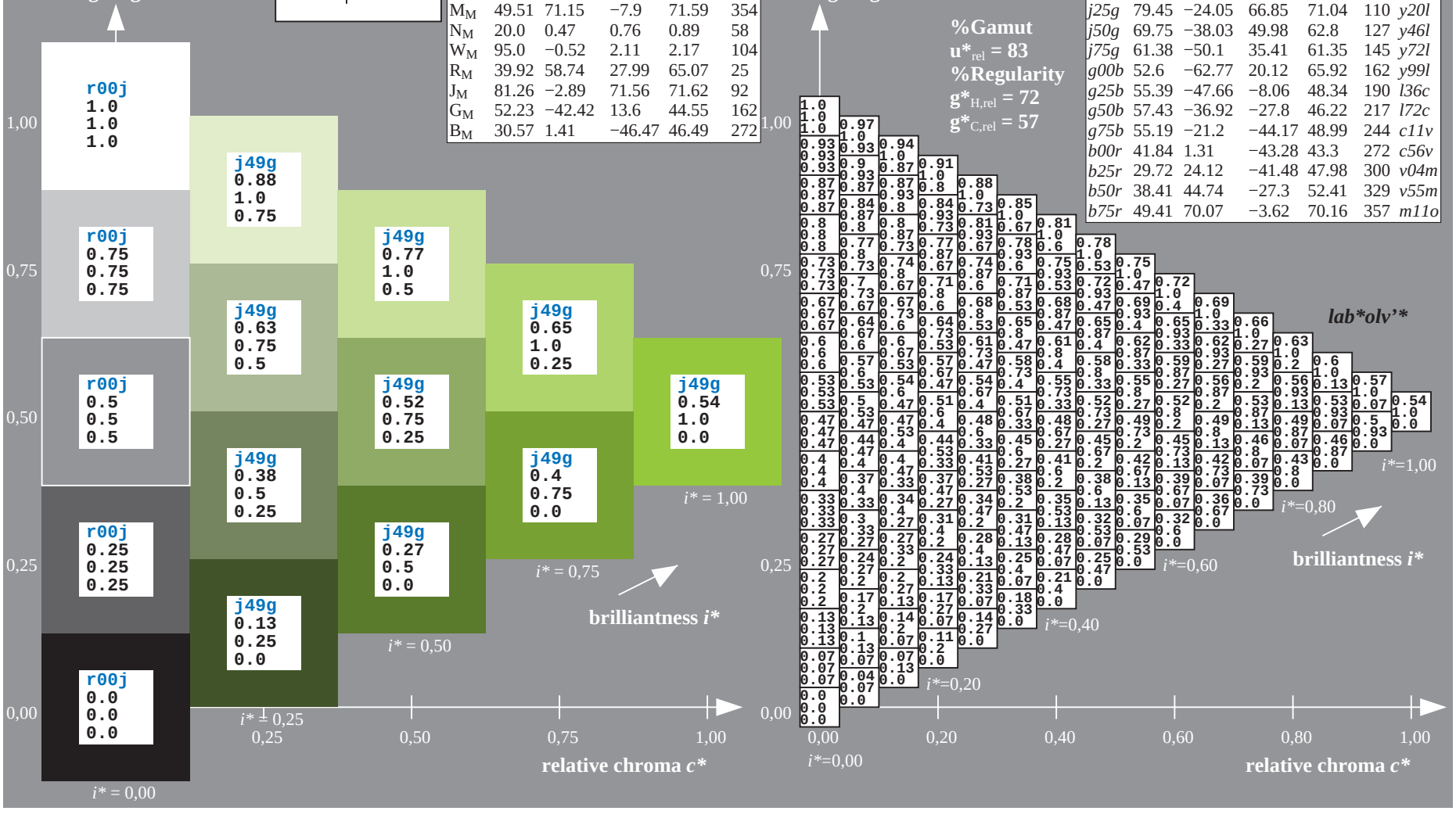
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 70 −38 50
*LAB*LCH**$_{Ma}$: 70 63 127
*lab*rgb**$_{Ma}$: 0.5 1.0 0.0
*lab*olv**$_{Ma}$: 0.54 1.0 0.0
triangle lightness *t**

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

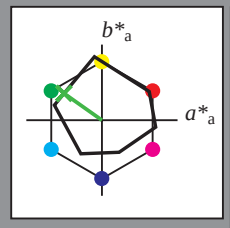
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j75g* u^*_d = *y72l*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

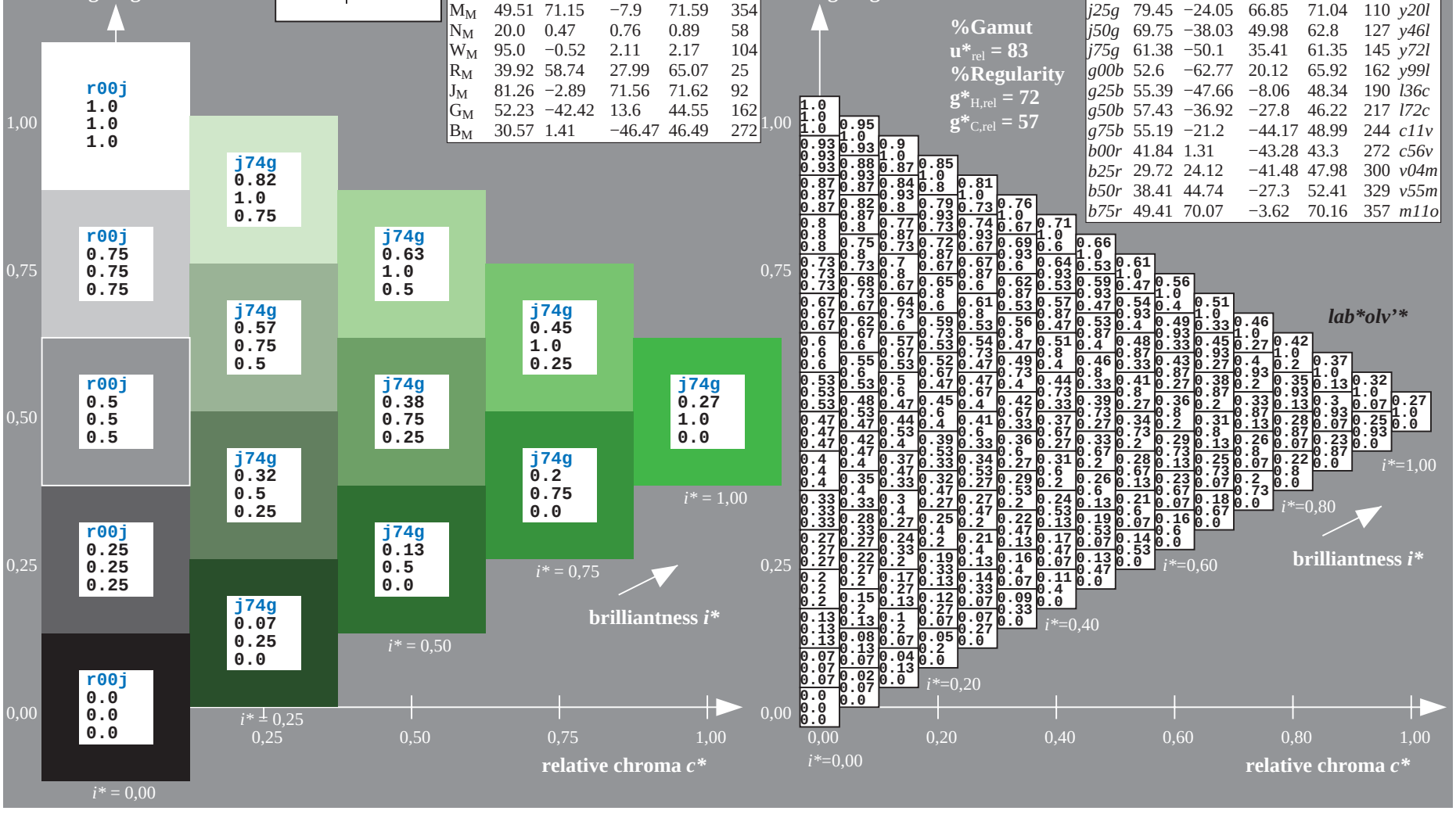
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 61 −50 35
*LAB*LCH**$_{Ma}$: 61 61 144
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.27 1.0 0.0
triangle lightness *t**

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

u^*_e = *j75g*
*lab*olv'**

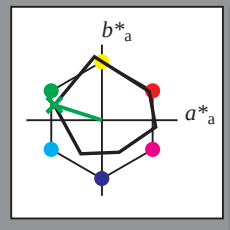
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *g00b* u^*_d = *y99l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

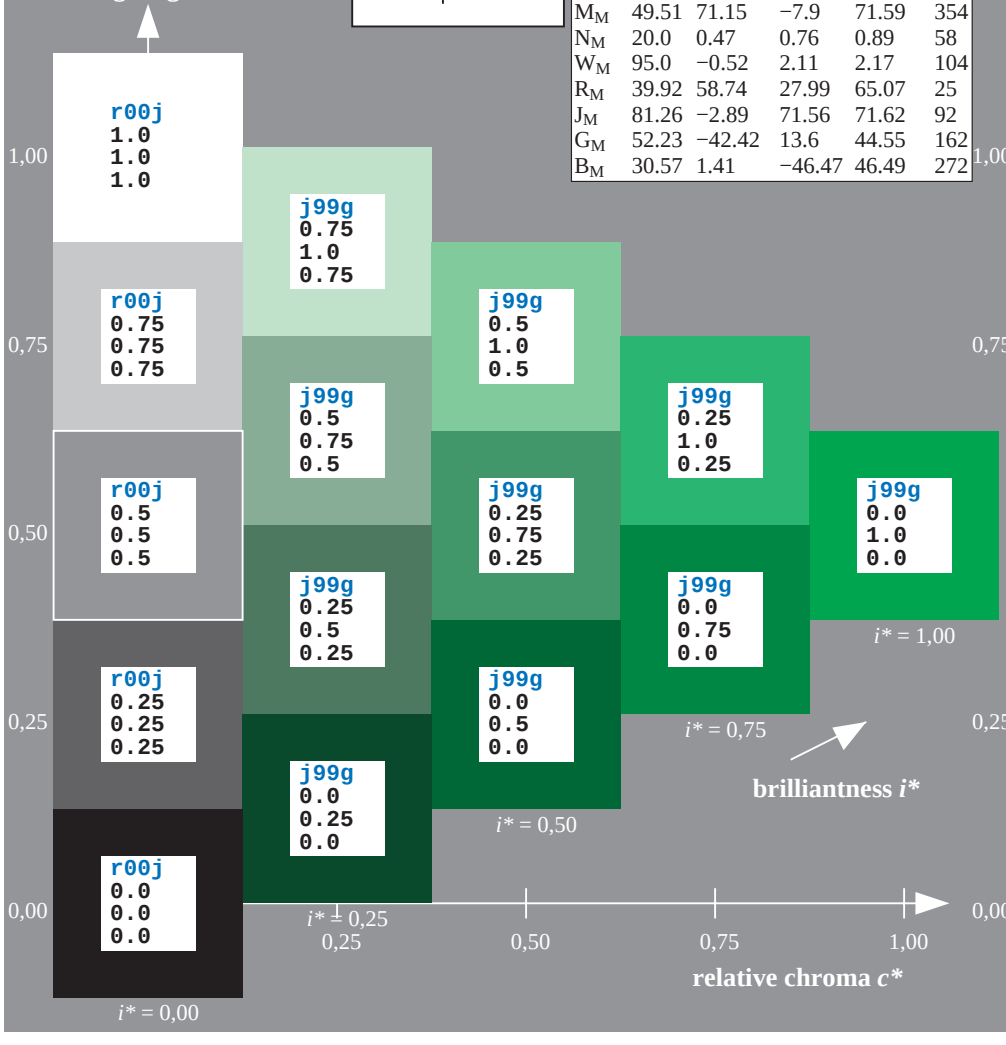
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

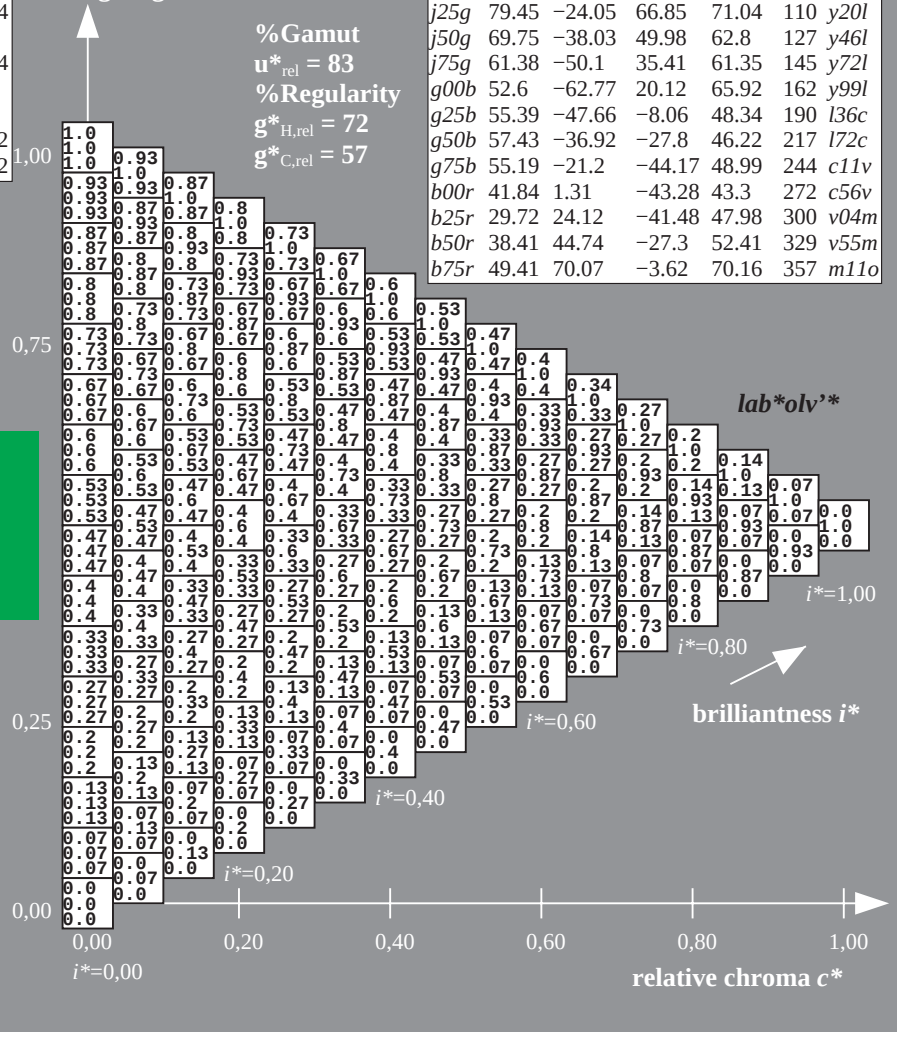
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 53 −63 20
*LAB*LCH**$_{Ma}$: 53 66 162
*lab*rgb**$_{Ma}$: 0.0 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.0
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

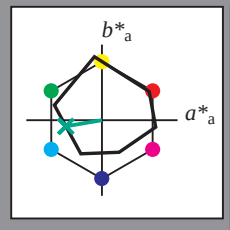
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *g25b* u^*_d = *l36c*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

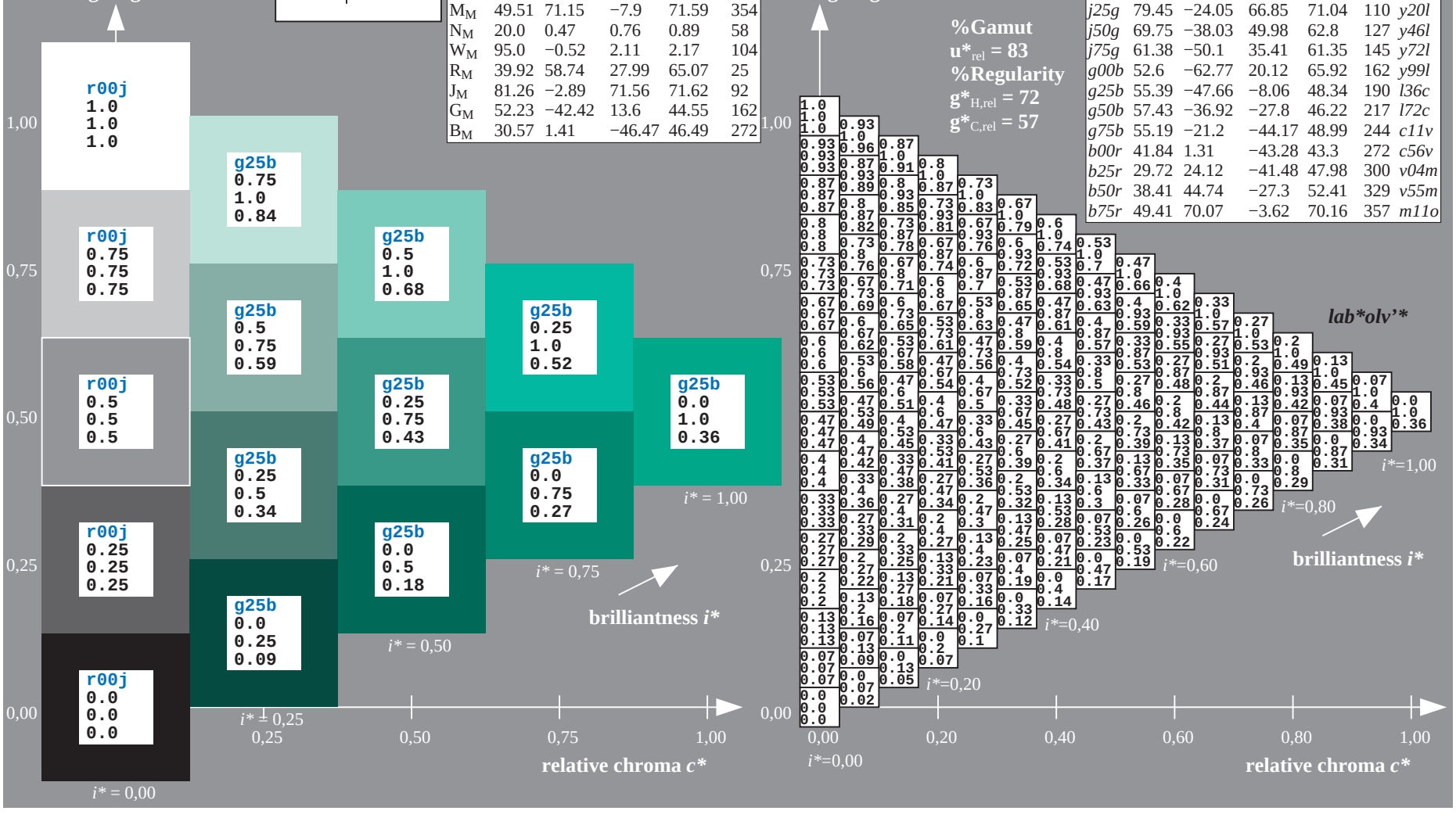
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −48 −8
*LAB*LCH**$_{Ma}$: 55 48 189
*lab*rgb**$_{Ma}$: 0.0 1.0 0.5
*lab*olv**$_{Ma}$: 0.0 1.0 0.36
triangle lightness *t**

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

u^*_e = *g25b*
*lab*olv'**

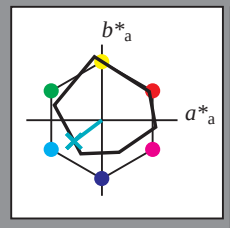
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *g50b* u^*_d = *l72c*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; CIELAB data

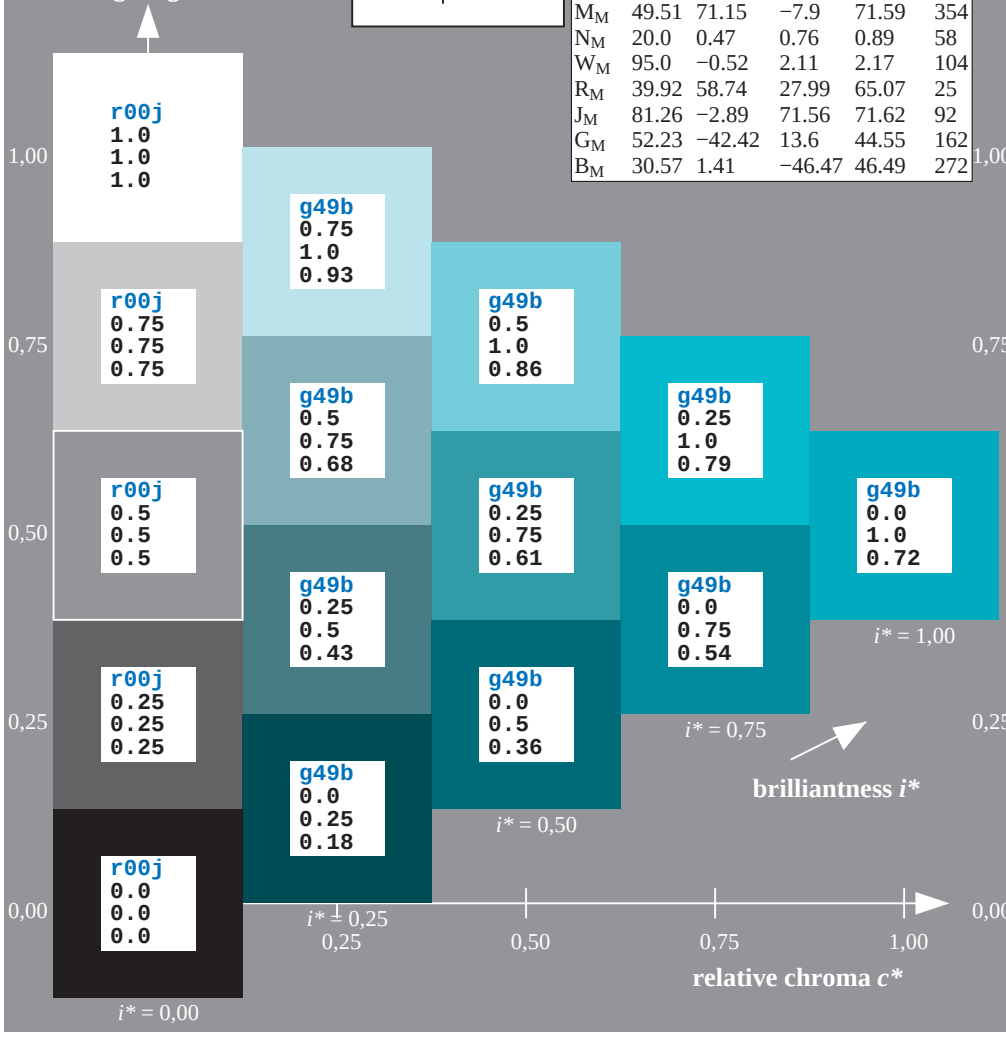
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

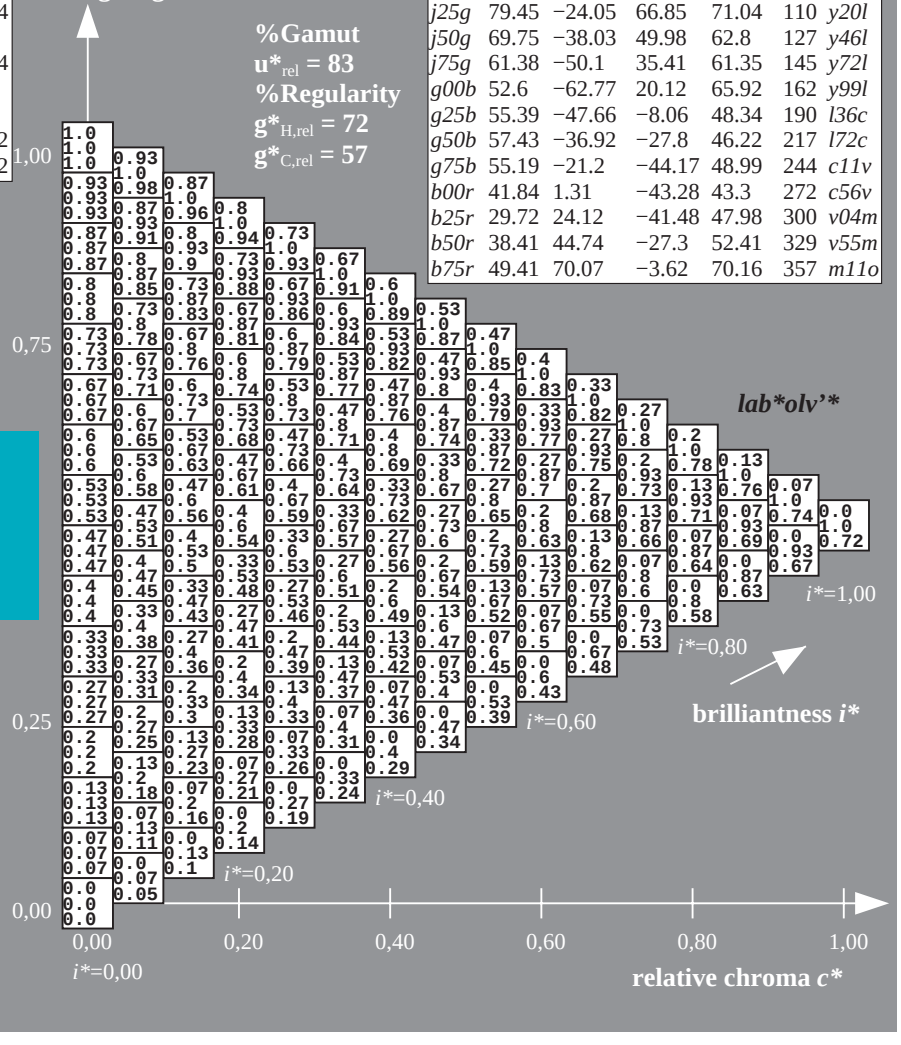
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 57 −37 −28
*LAB*LCH**$_{Ma}$: 57 46 216
*lab*rgb**$_{Ma}$: 0.0 1.0 1.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.72
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

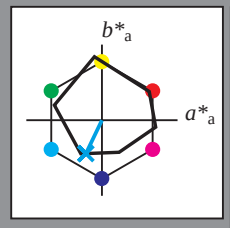
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g75b$ $u^*_d = c11v$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

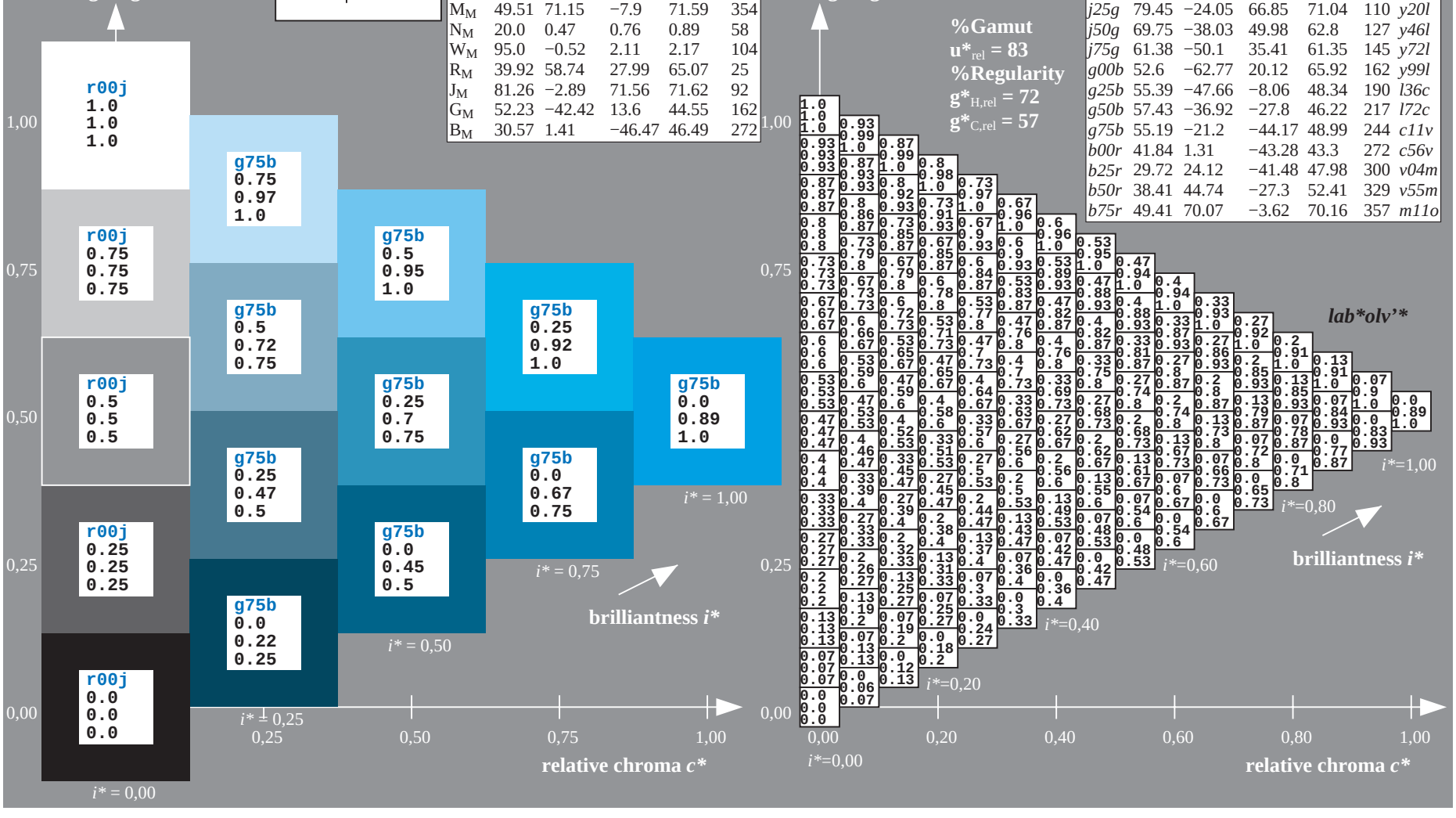
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −21 −44
*LAB*LCH**$_{Ma}$: 55 49 244
*lab*rgb**$_{Ma}$: 0.0 0.5 1.0
*lab*olv**$_{Ma}$: 0.0 0.89 1.0
triangle lightness *t**

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

$u^*_e = g75b$
*lab*olv'**

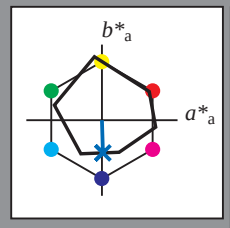
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *b00r* u^*_d = *c56v*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

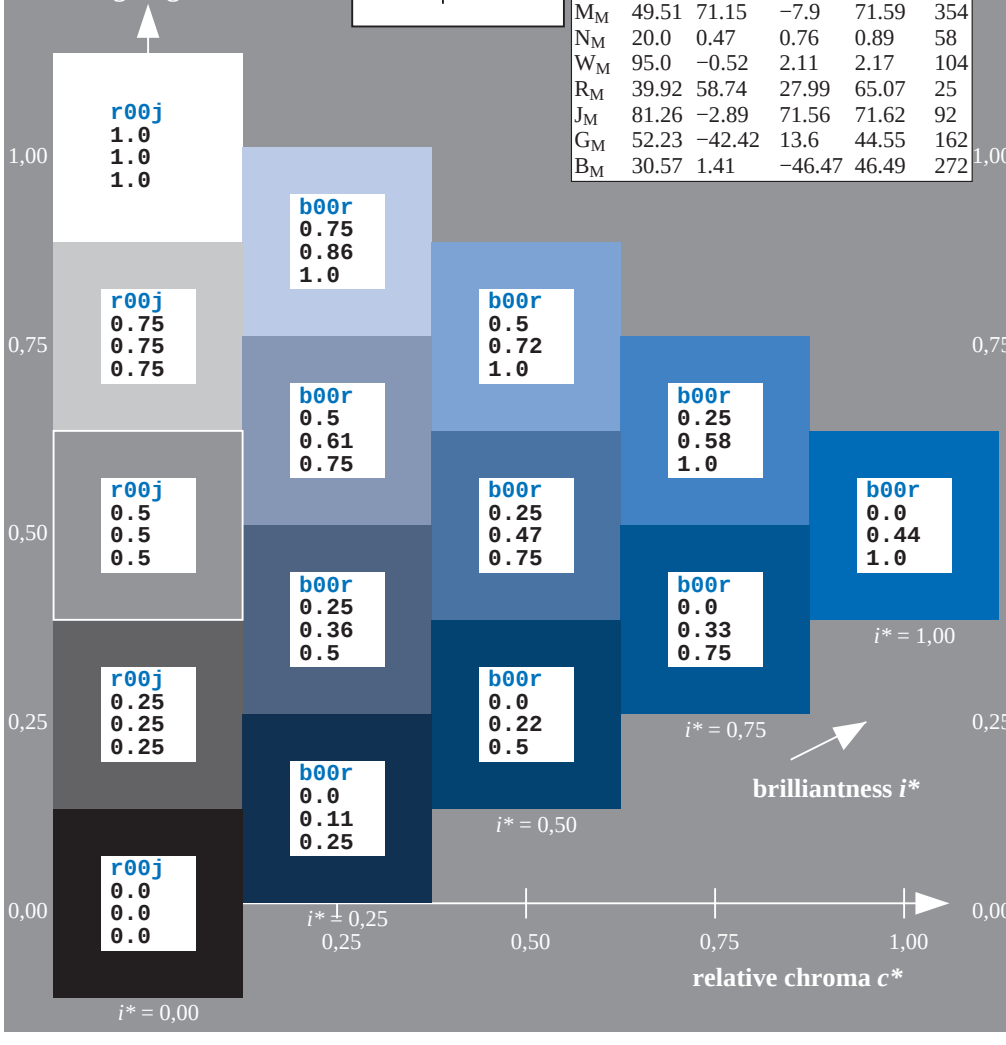
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 1 −43
*LAB*LCH**$_{Ma}$: 42 43 271
*lab*rgb**$_{Ma}$: 0.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.0 0.44 1.0
triangle lightness *t**

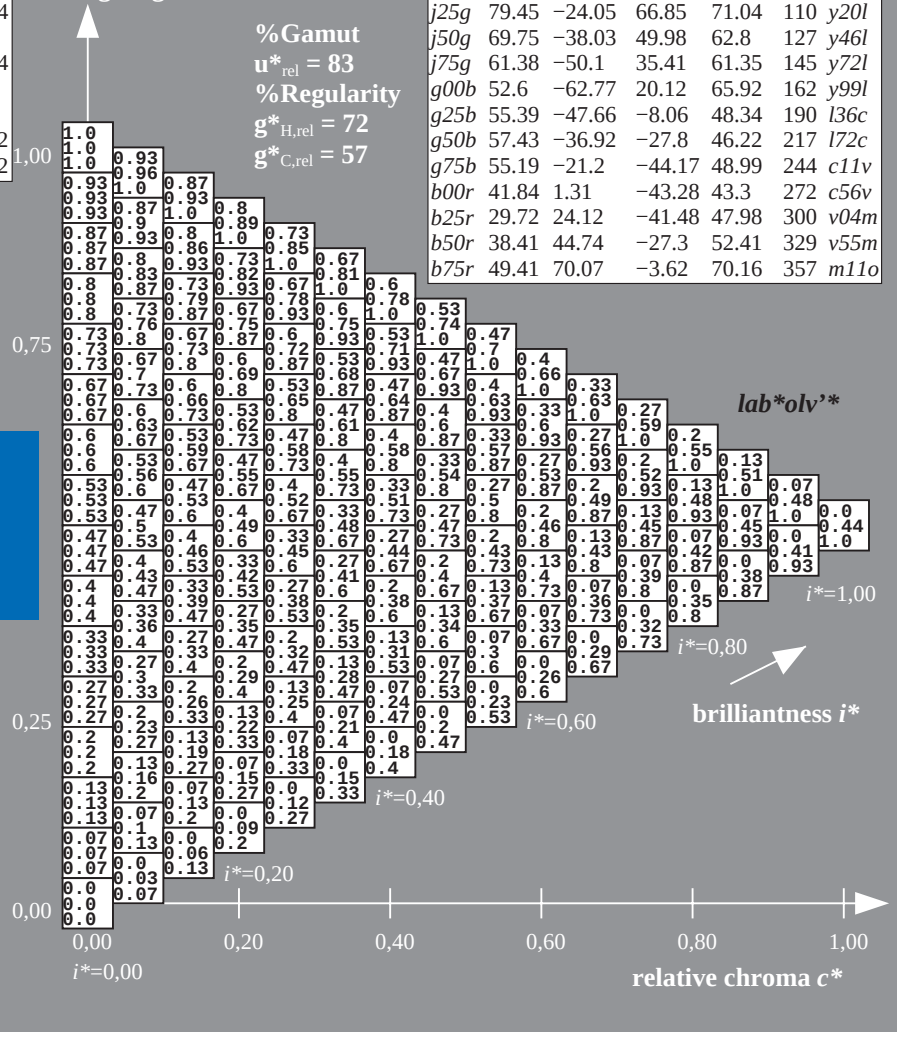
%Gamut
u^*_{rel} = 83
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

u^*_e = *b00r*
*lab*olv'**

ORS20_95a; adapted (a) CIELAB data

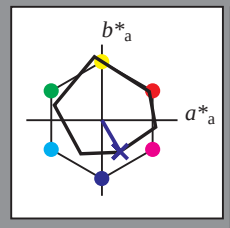
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *b25r* u^*_d = *v04m*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; CIELAB data

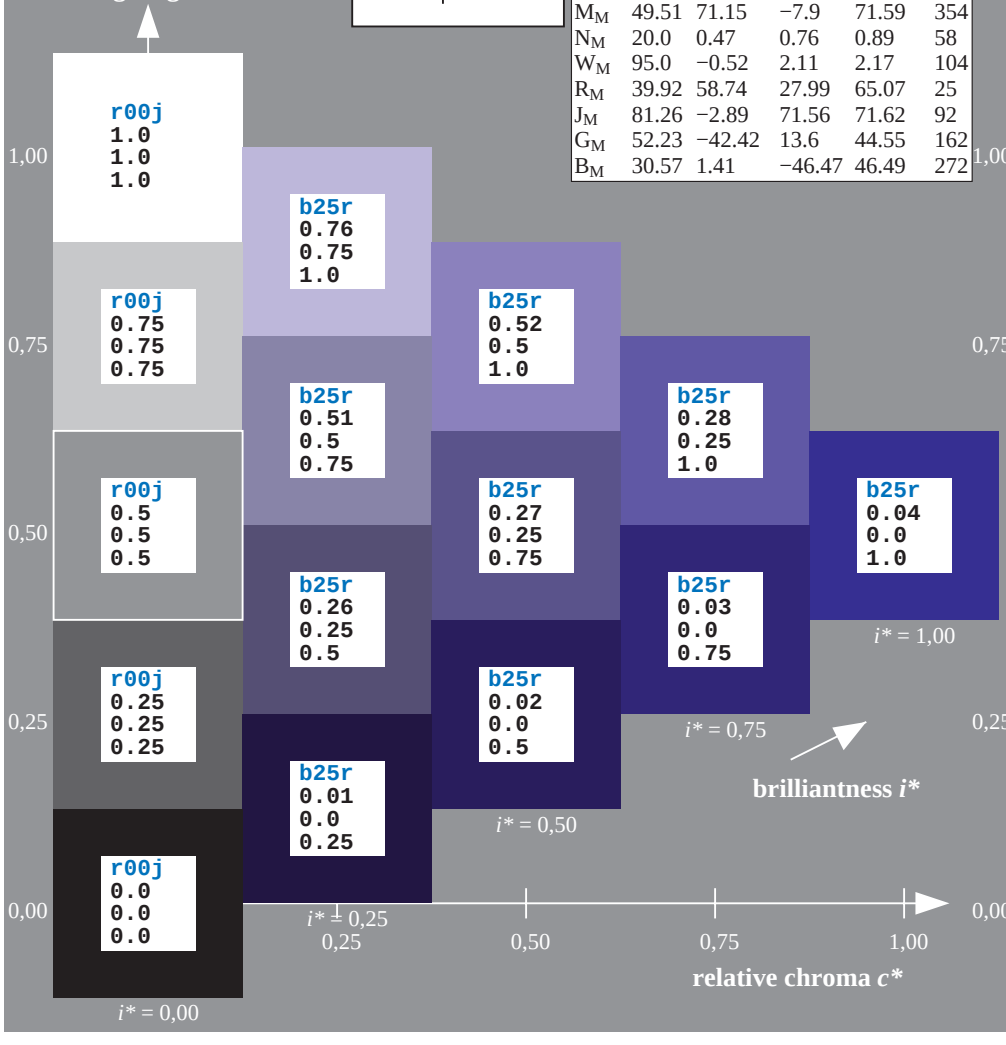
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

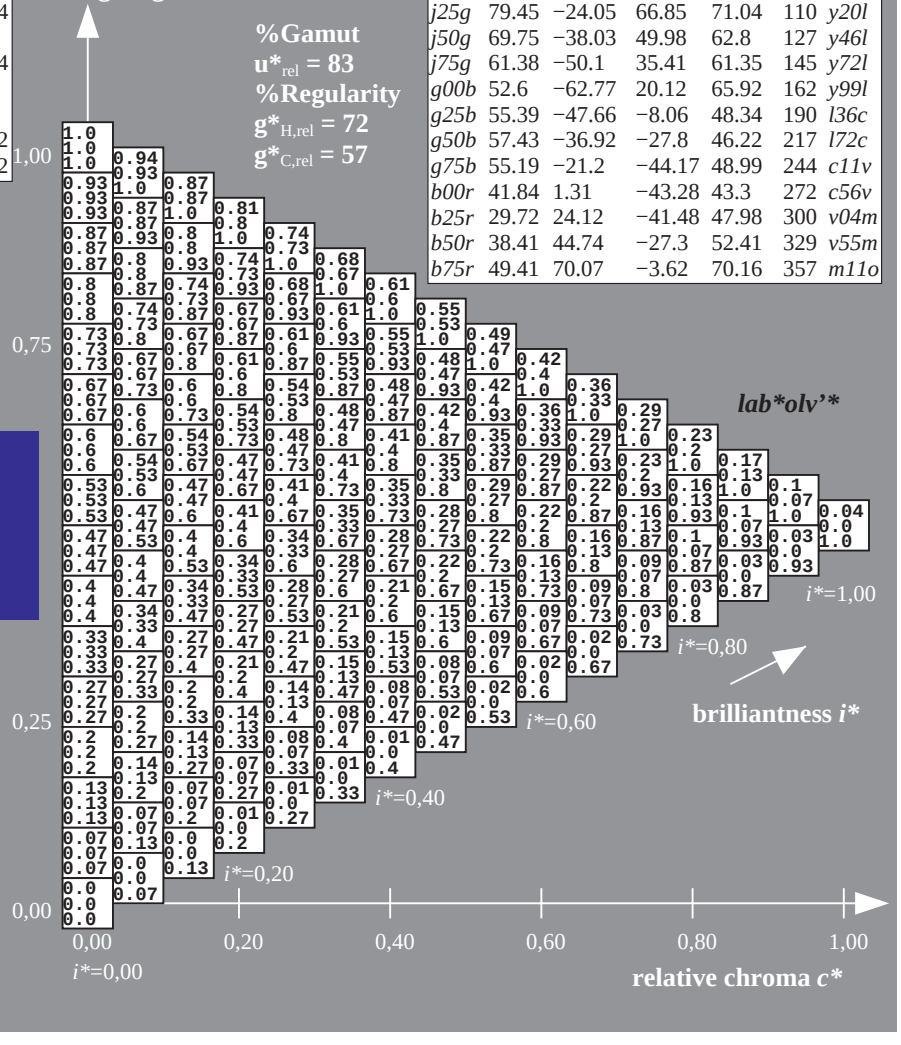
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 30 24 −41
*LAB*LCH**$_{Ma}$: 30 48 300
*lab*rgb**$_{Ma}$: 0.5 0.0 1.0
*lab*olv**$_{Ma}$: 0.04 0.0 1.0
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

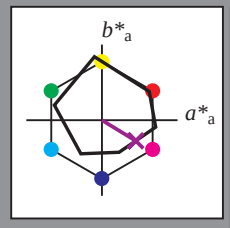
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *b50r* u^*_d = *v55m*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t



ORS20_95a; CIELAB data

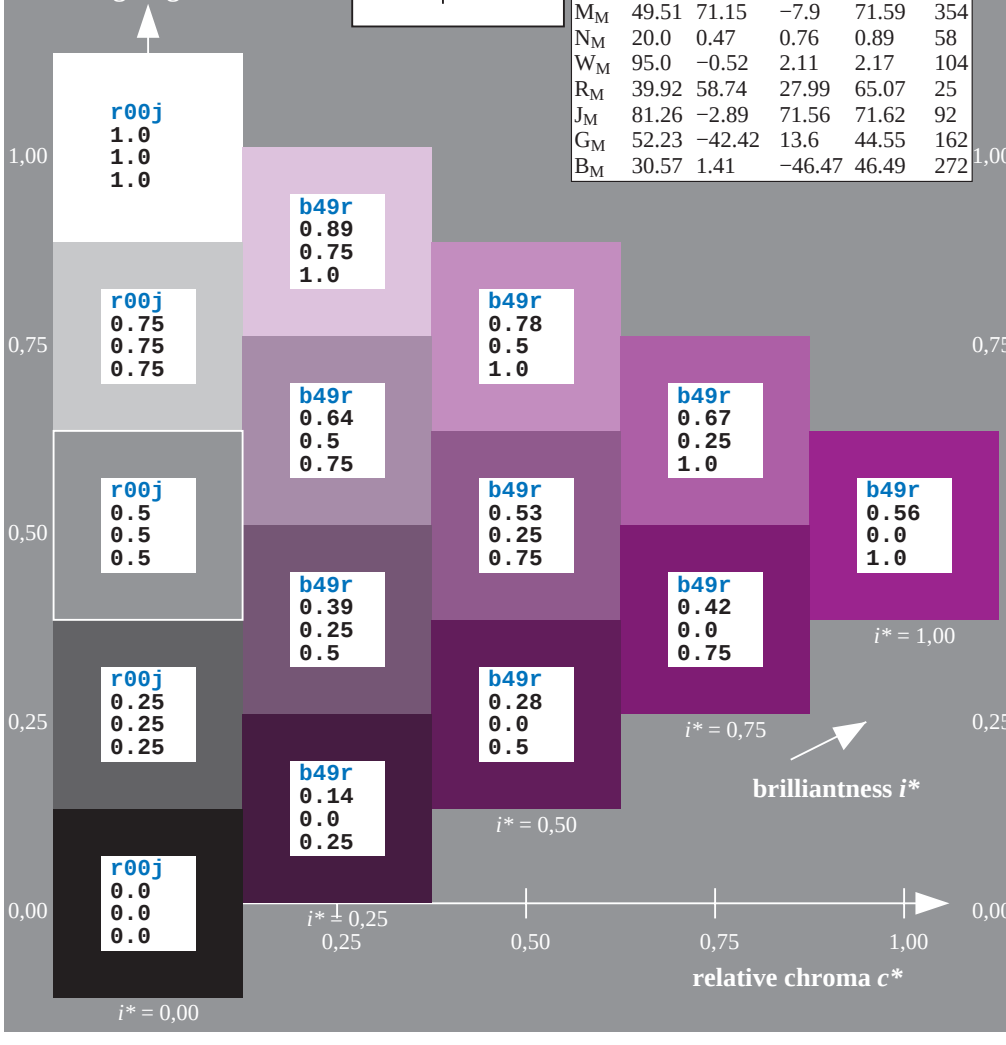
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

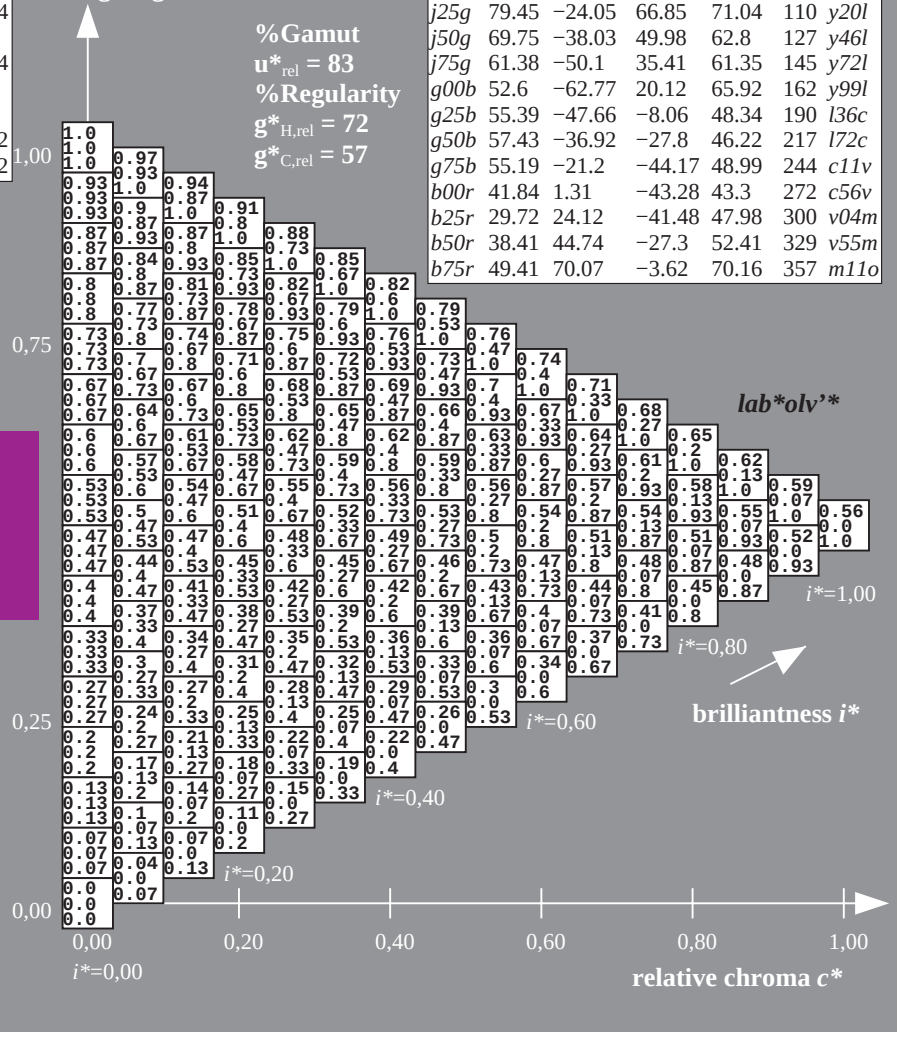
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 38 45 −27
*LAB*LCH**$_{Ma}$: 38 52 328
*lab*rgb**$_{Ma}$: 1.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.56 0.0 1.0
triangle lightness *t

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

ORS20_95a; adapted (a) CIELAB data

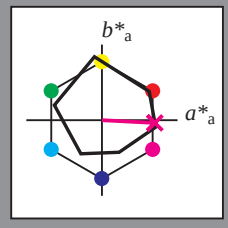
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b75r* u^*_d = *m11o*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

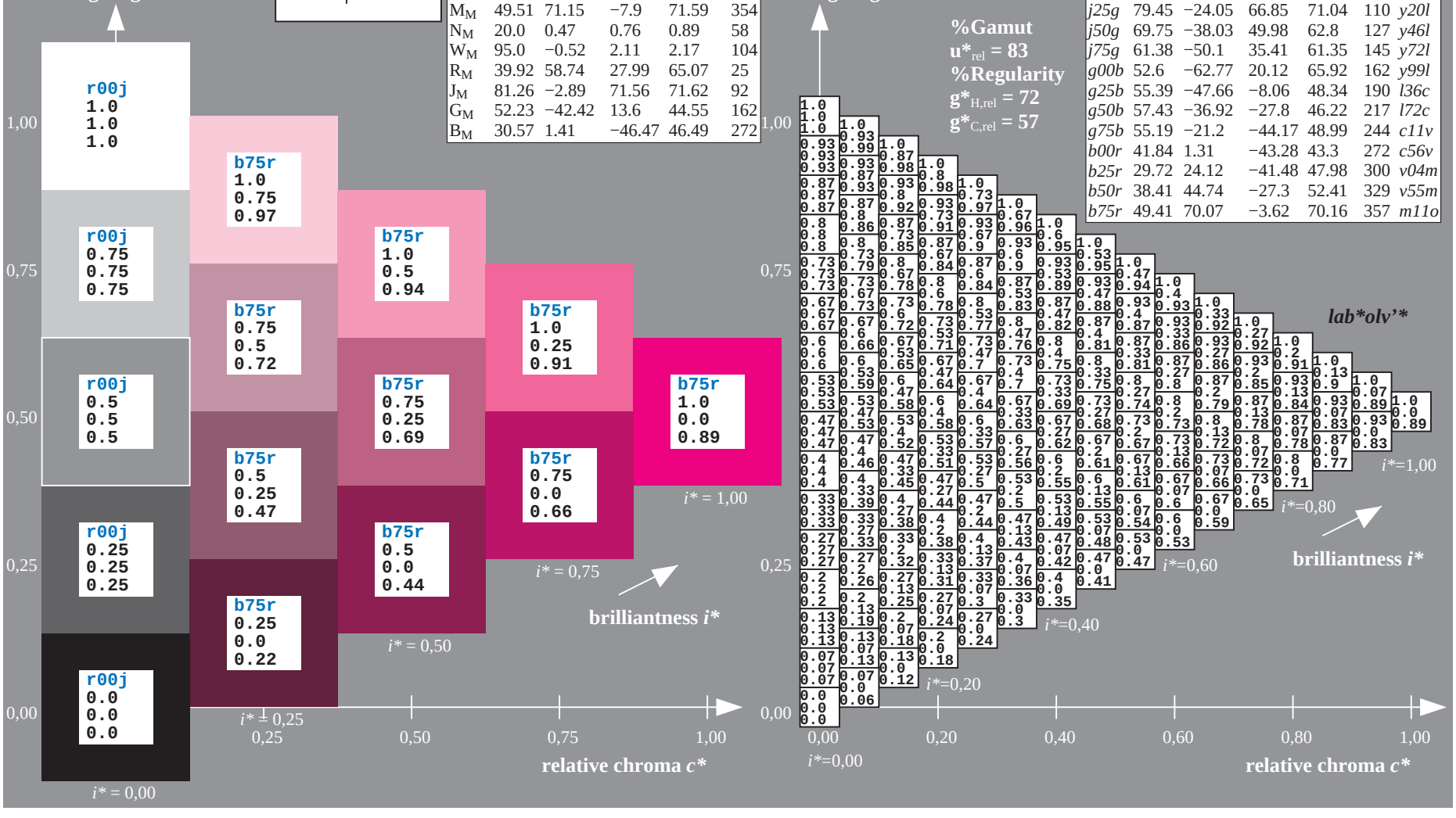
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 49 70 −4
*LAB*LCH**$_{Ma}$: 49 70 357
*lab*rgb**$_{Ma}$: 1.0 0.0 0.5
*lab*olv**$_{Ma}$: 1.0 0.0 0.89
triangle lightness *t**

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

u^*_e = *b75r*
*lab*olv'**

ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	*lab*olv'**		
01	0.0 0.0 0.0	0.0 0.13 0.0	0.0 0.25 0.0	0.0 0.38 0.0	0.0 0.5 0.0	0.0 0.63 0.0	0.0 0.75 0.0	0.0 0.88 0.0	0.0 1.0 0.0	0.13 0.0 0.0	0.12 0.13 0.0	0.12 0.25 0.0	0.12 0.38 0.0	0.12 0.5 0.0	0.12 0.63 0.0	0.12 0.75 0.0	0.12 0.88 0.0	0.12 1.0 0.0	0.25 0.0 0.0	0.25 0.12 0.0	0.25 0.25 0.0	0.25 0.38 0.0	0.25 0.5 0.0	0.25 0.63 0.0	0.25 0.75 0.0	0.25 0.88 0.0	0.25 1.0 0.0	1.0 1.0 1.0	1.0 0.88 0.88	1.0 0.75 0.75	1.0 0.63 0.63	1.0 0.5 0.5	1.0 0.38 0.38	1.0 0.25 0.25	1.0 0.13 0.13	1.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0
02	0.0 0.0 0.13	0.0 0.12 0.13	0.0 0.25 0.12	0.0 0.38 0.12	0.0 0.5 0.12	0.0 0.63 0.12	0.0 0.75 0.12	0.0 0.88 0.12	0.0 1.0 0.12	0.12 0.0 0.13	0.13 0.13 0.13	0.13 0.25 0.13	0.13 0.38 0.13	0.13 0.5 0.13	0.13 0.63 0.13	0.13 0.75 0.13	0.13 0.88 0.13	0.13 1.0 0.13	0.25 0.0 0.12	0.25 0.13 0.13	0.25 0.25 0.13	0.25 0.38 0.13	0.25 0.5 0.13	0.25 0.63 0.13	0.25 0.75 0.13	0.25 0.88 0.13	0.25 1.0 0.13	0.88 1.0 1.0	0.88 0.88 0.88	0.88 0.75 0.75	0.88 0.63 0.63	0.88 0.5 0.5	0.88 0.38 0.38	0.88 0.25 0.25	0.88 0.13 0.13	0.88 0.0 0.0	0.13 0.13 0.13	0.13 0.13 0.13	0.13 0.13 0.13	0.13 0.13 0.13
03	0.0 0.0 0.25	0.0 0.12 0.25	0.0 0.25 0.25	0.0 0.38 0.25	0.0 0.5 0.25	0.0 0.63 0.25	0.0 0.75 0.25	0.0 0.88 0.25	0.0 1.0 0.25	0.12 0.0 0.25	0.13 0.13 0.25	0.13 0.25 0.25	0.13 0.38 0.25	0.13 0.5 0.25	0.13 0.63 0.25	0.13 0.75 0.25	0.13 0.88 0.25	0.13 1.0 0.25	0.25 0.0 0.25	0.25 0.13 0.25	0.25 0.25 0.25	0.25 0.38 0.25	0.25 0.5 0.25	0.25 0.63 0.25	0.25 0.75 0.25	0.25 0.88 0.25	0.25 1.0 0.25	0.75 1.0 1.0	0.75 0.87 0.88	0.75 0.75 0.75	0.75 0.63 0.63	0.75 0.5 0.5	0.75 0.38 0.38	0.75 0.25 0.25	0.75 0.13 0.13	0.75 0.0 0.0	0.25 0.25 0.25	0.25 0.25 0.25	0.25 0.25 0.25	0.25 0.25 0.25
04	0.0 0.0 0.38	0.0 0.12 0.38	0.0 0.25 0.38	0.0 0.37 0.38	0.0 0.5 0.37	0.0 0.63 0.37	0.0 0.75 0.37	0.0 0.88 0.37	0.0 1.0 0.37	0.12 0.0 0.38	0.13 0.13 0.38	0.13 0.25 0.38	0.13 0.37 0.38	0.13 0.5 0.37	0.13 0.63 0.37	0.13 0.75 0.37	0.13 0.88 0.37	0.13 1.0 0.37	0.25 0.0 0.38	0.25 0.13 0.38	0.25 0.25 0.38	0.25 0.37 0.38	0.25 0.5 0.37	0.25 0.63 0.37	0.25 0.75 0.37	0.25 0.88 0.37	0.25 1.0 0.37	0.63 1.0 1.0	0.63 0.87 0.88	0.63 0.75 0.75	0.63 0.63 0.63	0.63 0.5 0.5	0.63 0.38 0.38	0.63 0.25 0.25	0.63 0.13 0.13	0.63 0.0 0.0	0.38 0.38 0.38	0.38 0.38 0.38	0.38 0.38 0.38	0.38 0.38 0.38
05	0.0 0.0 0.5	0.0 0.12 0.5	0.0 0.25 0.5	0.0 0.37 0.5	0.0 0.5 0.5	0.0 0.63 0.5	0.0 0.75 0.5	0.0 0.88 0.5	0.0 1.0 0.5	0.12 0.0 0.5	0.13 0.13 0.5	0.13 0.25 0.5	0.13 0.37 0.5	0.13 0.5 0.5	0.13 0.63 0.5	0.13 0.75 0.5	0.13 0.88 0.5	0.13 1.0 0.5	0.25 0.0 0.5	0.25 0.13 0.5	0.25 0.25 0.5	0.25 0.37 0.5	0.25 0.5 0.5	0.25 0.63 0.5	0.25 0.75 0.5	0.25 0.88 0.5	0.25 1.0 0.5	0.5 1.0 1.0	0.5 0.87 0.88	0.5 0.75 0.75	0.5 0.62 0.63	0.5 0.5 0.5	0.5 0.38 0.38	0.5 0.25 0.25	0.5 0.13 0.13	0.5 0.0 0.0	0.5 0.5 0.5	0.5 0.5 0.5	0.5 0.5 0.5	0.5 0.5 0.5
06	0.0 0.0 0.63	0.0 0.12 0.63	0.0 0.25 0.63	0.0 0.37 0.63	0.0 0.5 0.63	0.0 0.62 0.63	0.0 0.75 0.62	0.0 0.88 0.62	0.0 1.0 0.62	0.12 0.0 0.63	0.13 0.13 0.63	0.13 0.25 0.63	0.13 0.37 0.63	0.13 0.5 0.63	0.13 0.62 0.63	0.13 0.75 0.62	0.13 0.88 0.62	0.13 1.0 0.62	0.25 0.0 0.63	0.25 0.13 0.63	0.25 0.25 0.63	0.25 0.37 0.63	0.25 0.5 0.63	0.25 0.62 0.63	0.25 0.75 0.62	0.25 0.88 0.62	0.25 1.0 0.62	0.38 1.0 1.0	0.38 0.87 0.88	0.38 0.75 0.75	0.38 0.62 0.63	0.38 0.5 0.5	0.38 0.38 0.38	0.38 0.25 0.25	0.38 0.13 0.13	0.38 0.0 0.0	0.63 0.63 0.63	0.63 0.63 0.63	0.63 0.63 0.63	0.63 0.63 0.63
07	0.0 0.0 0.75	0.0 0.12 0.75	0.0 0.25 0.75	0.0 0.37 0.75	0.0 0.5 0.75	0.0 0.62 0.75	0.0 0.75 0.75	0.0 0.88 0.75	0.0 1.0 0.75	0.12 0.0 0.75	0.13 0.13 0.75	0.13 0.25 0.75	0.13 0.37 0.75	0.13 0.5 0.75	0.13 0.62 0.75	0.13 0.75 0.75	0.13 0.88 0.75	0.13 1.0 0.75	0.25 0.0 0.75	0.25 0.13 0.75	0.25 0.25 0.75	0.25 0.37 0.75	0.25 0.5 0.75	0.25 0.62 0.75	0.25 0.75 0.75	0.25 0.88 0.75	0.25 1.0 0.75	0.25 1.0 1.0	0.25 0.87 0.88	0.25 0.75 0.75	0.25 0.62 0.63	0.25 0.5 0.5	0.25 0.37 0.38	0.25 0.25 0.25	0.25 0.13 0.13	0.25 0.0 0.0	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75
08	0.0 0.0 0.88	0.0 0.12 0.88	0.0 0.25 0.88	0.0 0.37 0.88	0.0 0.5 0.88	0.0 0.62 0.88	0.0 0.75 0.88	0.0 0.87 0.88	0.0 1.0 0.87	0.12 0.0 0.88	0.13 0.13 0.88	0.13 0.25 0.88	0.13 0.37 0.88	0.13 0.5 0.88	0.13 0.62 0.88	0.13 0.75 0.88	0.13 0.87 0.88	0.13 1.0 0.87	0.25 0.0 0.88	0.25 0.13 0.88	0.25 0.25 0.88	0.25 0.37 0.88	0.25 0.5 0.88	0.25 0.62 0.88	0.25 0.75 0.88	0.25 0.87 0.88	0.25 1.0 0.87	0.13 1.0 1.0	0.13 0.87 0.88	0.13 0.75 0.75	0.13 0.62 0.63	0.13 0.5 0.5	0.13 0.37 0.38	0.13 0.25 0.25	0.13 0.13 0.13	0.13 0.0 0.0	0.88 0.88 0.88	0.88 0.88 0.88	0.88 0.88 0.88	0.88 0.88 0.88
09	0.0 0.0 1.0	0.0 0.12 1.0	0.0 0.25 1.0	0.0 0.37 1.0	0.0 0.5 1.0	0.0 0.62 1.0	0.0 0.75 1.0	0.0 0.87 1.0	0.0 1.0 1.0	0.12 0.0 1.0	0.13 0.13 1.0	0.13 0.25 1.0	0.13 0.37 1.0	0.13 0.5 1.0	0.13 0.62 1.0	0.13 0.75 1.0	0.13 0.87 1.0	0.13 1.0 1.0	0.25 0.0 1.0	0.25 0.13 1.0	0.25 0.25 1.0	0.25 0.37 1.0	0.25 0.5 1.0	0.25 0.62 1.0	0.25 0.75 1.0	0.25 0.87 1.0	0.25 1.0 1.0	0.0 1.0 1.0	0.0 0.87 0.88	0.0 0.75 0.75	0.0 0.62 0.63	0.0 0.5 0.5	0.0 0.37 0.38	0.0 0.25 0.25	0.0 0.12 0.13	0.0 0.0 0.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0
10	0.38 0.0 0.0	0.38 0.12 0.0	0.38 0.25 0.0	0.37 0.38 0.0	0.37 0.5 0.0	0.37 0.63 0.0	0.37 0.75 0.0	0.37 0.88 0.0	0.37 1.0 0.0	0.5 0.0 0.0	0.5 0.12 0.0	0.5 0.25 0.0	0.5 0.37 0.0	0.5 0.5 0.0	0.5 0.63 0.0	0.5 0.75 0.0	0.5 0.88 0.0	0.5 1.0 0.0	0.63 0.0 0.0	0.63 0.12 0.0	0.63 0.25 0.0	0.63 0.37 0.0	0.63 0.5 0.0	0.62 0.63 0.0	0.62 0.75 0.0	0.62 0.88 0.0	0.62 1.0 0.0	1.0 1.0 1.0	1.0 1.0 0.88	1.0 1.0 0.75	1.0 1.0 0.63	1.0 1.0 0.5	1.0 1.0 0.38	1.0 1.0 0.25	1.0 1.0 0.13	1.0 1.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0
11	0.38 0.0 0.12	0.38 0.13 0.13	0.38 0.25 0.13	0.37 0.38 0.13	0.37 0.5 0.13	0.37 0.63 0.13	0.37 0.75 0.13	0.37 0.88 0.13	0.37 1.0 0.13	0.5 0.0 0.12	0.5 0.13 0.13	0.5 0.25 0.13	0.5 0.37 0.13	0.5 0.5 0.13	0.5 0.63 0.13	0.5 0.75 0.13	0.5 0.88 0.13	0.5 1.0 0.13	0.63 0.0 0.12	0.63 0.13 0.13	0.63 0.25 0.13	0.63 0.37 0.13	0.63 0.5 0.13	0.62 0.63 0.13	0.62 0.75 0.13	0.62 0.88 0.13	0.62 1.0 0.13	0.88 0.88 1.0	0.88 0.88 0.88	0.87 0.88 0.75	0.87 0.88 0.63	0.87 0.88 0.5	0.87 0.88 0.38	0.87 0.88 0.25	0.87 0.88 0.13	0.87 0.88 0.0	0.07 0.07 0.07	0.07 0.07 0.07	0.07 0.07 0.07	0.07 0.07 0.07
12	0.38 0.0 0.25	0.38 0.13 0.25	0.38 0.25 0.25	0.37 0.38 0.25	0.37 0.5 0.25	0.37 0.63 0.25	0.37 0.75 0.25	0.37 0.88 0.25	0.37 1.0 0.25	0.5 0.0 0.25	0.5 0.13 0.25	0.5 0.25 0.25	0.5 0.37 0.25	0.5 0.5 0.25	0.5 0.63 0.25	0.5 0.75 0.25	0.5 0.88 0.25	0.5 1.0 0.25	0.63 0.0 0.25	0.63 0.13 0.25	0.63 0.25 0.25	0.63 0.37 0.25	0.63 0.5 0.25	0.62 0.63 0.25	0.62 0.75 0.25	0.62 0.88 0.25	0.62 1.0 0.25	0.75 0.75 1.0	0.75 0.75 0.88	0.75 0.75 0.75	0.75 0.75 0.63	0.75 0.75 0.5	0.75 0.75 0.38	0.75 0.75 0.25	0.75 0.75 0.13	0.75 0.75 0.0	0.13 0.13 0.13	0.13 0.13 0.13	0.13 0.13 0.13	0.13 0.13 0.13
13	0.37 0.0 0.38	0.37 0.13 0.38	0.37 0.25 0.38	0.38 0.38 0.38	0.38 0.5 0.38	0.38 0.63 0.38	0.38 0.75 0.38	0.38 0.88 0.38	0.38 1.0 0.38	0.5 0.0 0.37	0.5 0.13 0.37	0.5 0.25 0.37	0.5 0.38 0.38	0.5 0.5 0.38	0.5 0.63 0.38	0.5 0.75 0.38	0.5 0.88 0.38	0.5 1.0 0.38	0.63 0.0 0.37	0.63 0.13 0.37	0.63 0.25 0.37	0.63 0.38 0.38	0.63 0.5 0.38	0.62 0.63 0.38	0.62 0.75 0.38	0.62 0.88 0.38	0.62 1.0 0.38	0.63 0.63 1.0	0.63 0.63 0.88	0.63 0.63 0.75	0.63 0.63 0.63	0.62 0.63 0.5	0.62 0.63 0.38	0.62 0.63 0.25	0.62 0.63 0.13	0.62 0.63 0.0	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2
14	0.37 0.0 0.5	0.37 0.13 0.5	0.37 0.25 0.5	0.38 0.38 0.5	0.38 0.5 0.5	0.38 0.63 0.5	0.38 0.75 0.5	0.38 0.88 0.5	0.38 1.0 0.5	0.5 0.0 0.5	0.5 0.13 0.5	0.5 0.25 0.5	0.5 0.38 0.5	0.5 0.5 0.5	0.5 0.63 0.5	0.5 0.75 0.5	0.5 0.88 0.5	0.5 1.0 0.5	0.63 0.0 0.5	0.63 0.13 0.5	0.63 0.25 0.5	0.63 0.38 0.5	0.63 0.5 0.5	0.62 0.63 0.5	0.62 0.75 0.5	0.62 0.88 0.5	0.62 1.0 0.5	0.5 0.5 1.0	0.5 0.5 0.88	0.5 0.5 0.75	0.5 0.5 0.63	0.5 0.5 0.5	0.5 0.5 0.38	0.5 0.5 0.25	0.5 0.5 0.13	0.5 0.5 0.0	0.27 0.27 0.27	0.27 0.27 0.27	0.27 0.27 0.27	0.27 0.27 0.27
15	0.37 0.0 0.63	0.37 0.13 0.63	0.37 0.25 0.63	0.38 0.38 0.63	0.38 0.5 0.63	0.38 0.62 0.63	0.38 0.75 0.62	0.38 0.88 0.62	0.38 1.0 0.62	0.5 0.0 0.63	0.5 0.13 0.63	0.5 0.25 0.63	0.5 0.38 0.63	0.5 0.5 0.63	0.5 0.62 0.63	0.5 0.75 0.62	0.5 0.88 0.62	0.5 1.0 0.62	0.62 0.0 0.63	0.62 0.13 0.63	0.62 0.25 0.63	0.62 0.38 0.63	0.62 0.5 0.63	0.63 0.63 0.63	0.63 0.75 0.63	0.63 0.88 0.63	0.63 1.0 0.63	0.38 0.38 1.0	0.38 0.38 0.88	0.38 0.38 0.75	0.38 0.38 0.63	0.38 0.38 0.5	0.38 0.38 0.38	0.37 0.38 0.25	0.37 0.38 0.13	0.37 0.38 0.0	0.33 0.33 0.33	0.33 0.33 0.33	0.33 0.33 0.33	0.33 0.33 0.33
16	0.37 0.0 0.75	0.37 0.13 0.75	0.37 0.25 0.75	0.38 0.38 0.75	0.38 0.5 0.75	0.38 0.62 0.75	0.38 0.75 0.75	0.38 0.88 0.75	0.38 1.0 0.75	0.5 0.0 0.75	0.5 0.13 0.75	0.5 0.25 0.75	0.5 0.38 0.75	0.5 0.5 0.75	0.5 0.62 0.75	0.5 0.75 0.75	0.5 0.88 0.75	0.5 1.0 0.75	0.62 0.0 0.75	0.62 0.13 0.75	0.62 0.25 0.75	0.62 0.38 0.75	0.62 0.5 0.75	0.63 0.63 0.75	0.63 0.75 0.75	0.63 0.88 0.75	0.63 1.0 0.75	0.25 0.25 1.0	0.25 0.25 0.88	0.25 0.25 0.75	0.25 0.25 0.63	0.25 0.25 0.5	0.25 0.25 0.38	0.25 0.25 0.25	0.25 0.25 0.13	0.25 0.25 0.0	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4
17	0.37 0.0 0.88	0.37 0.13 0.88	0.37 0.25 0.88	0.38 0.38 0.88	0.38 0.5 0.88	0.38 0.62 0.88	0.38 0.75 0.88	0.38 0.87 0.88	0.38 1.0 0.87	0.5 0.0 0.88	0.5 0.13 0.88	0.5 0.25 0.88	0.5 0.38 0.88	0.5 0.5 0.88	0.5 0.62 0.88	0.5 0.75 0.88	0.5 0.87 0.88	0.5 1.0 0.87	0.62 0.0 0.88	0.62 0.13 0.88	0.62 0.25 0.88	0.62 0.38 0.88	0.62 0.5 0.88	0.63 0.63 0.88	0.63 0.75 0.88	0.63 0.87 0.88	0.63 1.0 0.87	0.13 0.13 1.0	0.13 0.13 0.88	0.13 0.13 0.75	0.13 0.13 0.63	0.13 0.13 0.5	0.13 0.13 0.38	0.13 0.13 0.25	0.13 0.13 0.13	0.12 0.13 0.0	0.47 0.47 0.47	0.47 0.47 0.47	0.47 0.47 0.47	0.47 0.47 0.47
18	0.37 0.0 1.0	0.37 0.13 1.0	0.37 0.25 1.0	0.38 0.38 1.0	0.38 0.5 1.0	0.38 0.62 1.0	0.38 0.75 1.0	0.38 0.87 1.0	0.38 1.0 1.0	0.5 0.0 1.0	0.5 0.13 1.0	0.5 0.25 1.0	0.5 0.38 1.0	0.5 0.5 1.0	0.5 0.62 1.0	0.5 0.75 1.0	0.5 0.87 1.0	0.5 1.0 1.0	0.62 0.0 1.0	0.62 0.13 1.0	0.62 0.25 1.0	0.62 0.38 1.0	0.62 0.5 1.0	0.63 0.63 1.0	0.63 0.75 1.0	0.63 0.87 1.0	0.63 1.0 1.0	0.0 0.0 1.0	0.0 0.0 0.88	0.0 0.0 0.75	0.0 0.0 0.63	0.0 0.0 0.5	0.0 0.0 0.38	0.0 0.0 0.25	0.0 0.0 0.13	0.0 0.0 0.0	0.53 0.53 0.53	0.53 0.53 0.53	0.53 0.53 0.53	0.53 0.53 0.53
19	0.75 0.0 0.0	0.75 0.12 0.0	0.75 0.25 0.0	0.75 0.37 0.0	0.75 0.5 0.0	0.75 0.62 0.0	0.75 0.75 0.0	0.75 0.88 0.0	0.75 1.0 0.0	0.88 0.0 0.0	0.88 0.12 0.0	0.88 0.25 0.0	0.88 0.37 0.0	0.88 0.5 0.0	0.88 0.62 0.0	0.88 0.75 0.0	0.87 0.88 0.0	0.87 1.0 0.0	1.0 0.0 0.0	1.0 0.12 0.0	1.0 0.25 0.0	1.0 0.37 0.0	1.0 0.5 0.0	1.0 0.62 0.0	1.0 0.75 0.0	1.0 0.87 0.0	1.0 1.0 0.0	1.0 1.0 1.0	0.88 1.0 0.88	0.75 1.0 0.75	0.63 1.0 0.63	0.5 1.0 0.5	0.38 1.0 0.38	0.25 1.0 0.25	0.13 1.0 0.13	0.0 1.0 0.0	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6
20	0.75 0.0 0.12	0.75 0.13 0.13	0.75 0.25 0.13	0.75 0.37 0.13	0.75 0.5 0.13	0.75 0.62 0.13	0.75 0.75 0.13	0.75 0.88 0.13	0.75 1.0 0.13	0.88 0.0 0.12	0.88 0.13 0.13	0.88 0.25 0.13	0.88 0.37 0.13	0.88 0.5 0.13	0.88 0.62 0.13	0.88 0.75 0.13	0.87 0.88 0.13	0.87 1.0 0.13	1.0 0.0 0.12	1.0 0.13 0.13	1.0 0.25 0.13	1.0 0.37 0.13	1.0 0.5 0.13	1.0 0.62 0.13	1.0 0.75 0.13	1.0 0.87 0.13	1.0 1.0 0.13	1.0 0.88 1.0	0.88 0.88 0.88	0.75 0.88 0.75	0.63 0.88 0.63	0.5 0.88 0.5	0.38 0.88 0.38	0.25 0.88 0.25	0.13 0.88 0.13	0.0 0.88 0.0	0.67 0.67 0.67	0.67 0.67 0.67	0.67 0.67 0.67	0.67 0.67 0.67
21	0.75 0.0 0.25	0.75 0.13 0.25	0.75 0.25 0.25	0.75 0.37 0.25	0.75 0.5 0.25	0.75 0.62 0.25	0.75 0.75 0.25	0.75 0.88 0.25	0.75 1.0 0.25	0.88 0.0 0.25	0.88 0.13 0.25	0.88 0.25 0.25	0.88 0.37 0.25	0.88 0.5 0.25	0.88 0.62 0.25	0.88 0.75 0.25	0.87 0.88 0.25	0.87 1.0 0.25	1.0 0.0 0.25	1.0 0.13 0.25	1.0 0.25 0.25	1.0 0.37 0.25	1.0 0.5 0.25	1.0 0.62 0.25	1.0 0.75 0.25	1.0 0.87 0.25	1.0 1.0 0.25	1.0 0.75 1.0	0.87 0.75 0.88	0.75 0.75 0.75	0.63 0.75 0.63	0.5 0.75 0.5	0.38 0.75 0.38	0.25 0.75 0.25	0.13 0.75 0.13	0.0 0.75 0.0	0.73 0.73 0.73	0.73 0.73 0.73	0.73 0.73 0.73	0.73 0.73 0.73
22	0.75 0.0 0.37	0.75 0.13 0.37	0.75 0.25 0.37	0.75 0.38 0.38	0.75 0.5 0.38	0.75 0.62 0.38	0.75 0.75 0.38	0.75 0.88 0.38	0.75 1.0 0.38	0.88 0.0 0.37	0.88 0.13 0.37	0.88 0.25 0.37	0.88 0.38 0.38	0.88 0.5 0.38	0.88 0.62 0.38	0.88 0.75 0.38	0.87 0.88 0.38	0.87 1.0 0.38	1.0 0.0 0.37	1.0 0.13 0.37	1.0 0.25 0.37	1.0 0.38 0.38	1.0 0.5 0.38	1.0 0.62 0.38	1.0 0.75 0.38	1.0 0.87 0.38	1.0 1.0 0.38	1.0 0.63 1.0	0.87 0.63 0.88	0.75 0.63 0.75	0.63 0.63 0.63	0.5 0.63 0.5	0.38 0.63 0.38	0.25 0.63 0.25	0.13 0.63 0.13	0.0 0.63 0.0	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8
23	0.75 0.0 0.5	0.75 0.13 0.5	0.75 0.25 0.5	0.75 0.38 0.5	0.75 0.5 0.5	0.75 0.62 0.5	0.75 0.75 0.5	0.75 0.88 0.5	0.75 1.0 0.5	0.88 0.0 0.5	0.88 0.13 0.5	0.88 0.25 0.5	0.88 0.38 0.5	0.88 0.5 0.5	0.88 0.62 0.5	0.88 0.75 0.5	0.87 0.88 0.5	0.87 1.0 0.5	1.0 0.0 0.5	1.0 0.13 0.5	1.0 0.25 0.5	1.0 0.38 0.5	1.0 0.5 0.5	1.0 0.62 0.5	1.0 0.75 0.5	1.0 0.87 0.5	1.0 1.0 0.5	1.0 0.5 1.0	0.87 0.5 0.88	0.75 0.5 0.75	0.62 0.5 0.63	0.5 0.5 0.5	0.38 0.5 0.38	0.25 0.5 0.25	0.13 0.5 0.13	0.0 0.5 0.0	0.87 0.87 0.87	0.87 0.87 0.87	0.87 0.87 0.87	0.87 0.87 0.87
24	0.75 0.0 0.62	0.75 0.13 0.62	0.75 0.25 0.62	0.75 0.38 0.62	0.75 0.5 0.62	0.75 0.63 0.63	0.75 0.75 0.63	0.75 0.88 0.63	0.75 1.0 0.63	0.88 0.0 0.62	0.88 0.13 0.62	0.88 0.25 0.62	0.88 0.38 0.62	0.88 0.5 0.62	0.88 0.63 0.63	0.88 0.75 0.63	0.87 0.88 0.63	0.87 1.0 0.63	1.0 0.0 0.62	1.0 0.13 0.62	1.0 0.25 0.62	1.0 0.38 0.62	1.0 0.5 0.62	1.0 0.63 0.63	1.0 0.75 0.63	1.0 0.87 0.63	1.0 1.0 0.63	1.0 0.38 1.0	0.87 0.38 0.88	0.75 0.38 0.75	0.62 0.38 0.63	0.5 0.38 0.5	0.38 0.38 0.38	0.25 0.38 0.25	0.13 0.38 0.13	0.0 0.38 0.0	0.93 0.93 0.93	0.93 0.93 0.93	0.93 0.93 0.93	0.93 0.93 0.93
25	0.75 0.0 0.75	0.75 0.13 0.75	0.75 0.25 0.75	0.75 0.38 0.75	0.75 0.5 0.75	0.75 0.63 0.75	0.75 0.75 0.75	0.75 0.88 0.75	0.75 1.0 0.75	0.88 0.0 0.75	0.88 0.13 0.75	0.88 0.25 0.75	0.88 0.38 0.75	0.88 0.5 0.75	0.88 0.63 0.75	0.88 0.75 0.75	0.87 0.88 0.75	0.87 1.0 0.75	1.0 0.0 0.75	1.0 0.13 0.75	1.0 0.25 0.75	1.0 0.38 0.75	1.0 0.5 0.75	1.0 0.63 0.75	1.0 0.75 0.75	1.0 0.87 0.75	1.0 1.0 0.75	1.0 0.25 1.0	0.87 0.25 0.88	0.75 0.25 0.75	0.62 0.25 0.63	0.5 0.25 0.5	0.37 0.25 0.38	0.25 0.25 0.25	0.13 0.25 0.13	0.0 0.25 0.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0
26	0.75 0.0 0.88	0.75 0.13 0.88	0.75 0.25 0.88	0.75 0.38 0.88	0.75 0.5 0.88	0.75 0.63 0.88	0.75 0.75 0.88	0.75 0.87 0.88	0.75 1.0 0.87	0.87 0.0 0.88	0.87 0.13 0.88	0.87 0.25 0.88	0.87 0.38 0.88	0.87 0.5 0.88	0.87 0.63 0.88	0.87 0.75 0.88	0.88 0.88 0.88	0.88 1.0 0.88	1.0 0.0 0.87	1.0 0.13 0.87	1.0 0.25 0.87	1.0 0.38 0.87	1.0 0.5 0.87	1.0 0.63 0.87	1.0 0.75 0.87	1.0 0.88 0.88	1.0 1.0 0.88	1.0 0.13 1.0	0.87 0.13 0.88	0.75 0.13 0.75	0.62 0.13 0.63	0.5 0.13 0.5	0.37 0.13 0.38	0.25 0.13 0.25	0.13 0.13 0.13	0.0 0.13 0.0	0.0 0.0 0.0	1.0 0.0 0.0	1.0 1.0 0.0	0.0 1.0 0.0
27	0.75 0.0 1.0	0.75 0.13 1.0	0.75 0.25 1.0	0.75 0.38 1.0	0.75 0.5 1.0	0.75 0.63 1.0	0.75 0.75 1.0	0.75 0.87 1.0	0.75 1.0 1.0	0.87 0.0 1.0	0.87 0.13 1.0	0.87 0.25 1.0	0.87 0.38 1.0	0.87 0.5 1.0	0.87 0.63 1.0	0.87 0.75 1.0	0.88 0.88 1.0	0.88 1.0 1.0	1.0 0.0 1.0	1.0 0.13 1.0	1.0 0.25 1.0	1.0 0.38 1.0	1.0 0.5 1.0	1.0 0.63 1.0	1.0 0.75 1.0	1.0 0.88 1.0	1.0 1.0 1.0	1.0 0.0 1.0	0.87 0.0 0.88	0.75 0.0 0.75	0.62 0.0 0.63	0.5 0.0 0.5	0.37 0.0 0.38	0.25 0.0 0.25	0.12 0.0 0.13	0.0 0.0 0.0	1.0 1.0 1.0	0.0 1.0 1.0	0.0 0.0 1.0	1.0 0.0 1.0

See for similar files: http://www.ps.bam.de/Ee13/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

BAM registration: 20081001-Ee13/10L/L13E00NP.PS/ .PDF
application for evaluation and measurement of printer or monitor systems

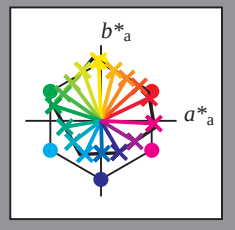
BAM material: code=rha4ta

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

Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 0.96

ORS20_95a; adapted (a) CIELAB data

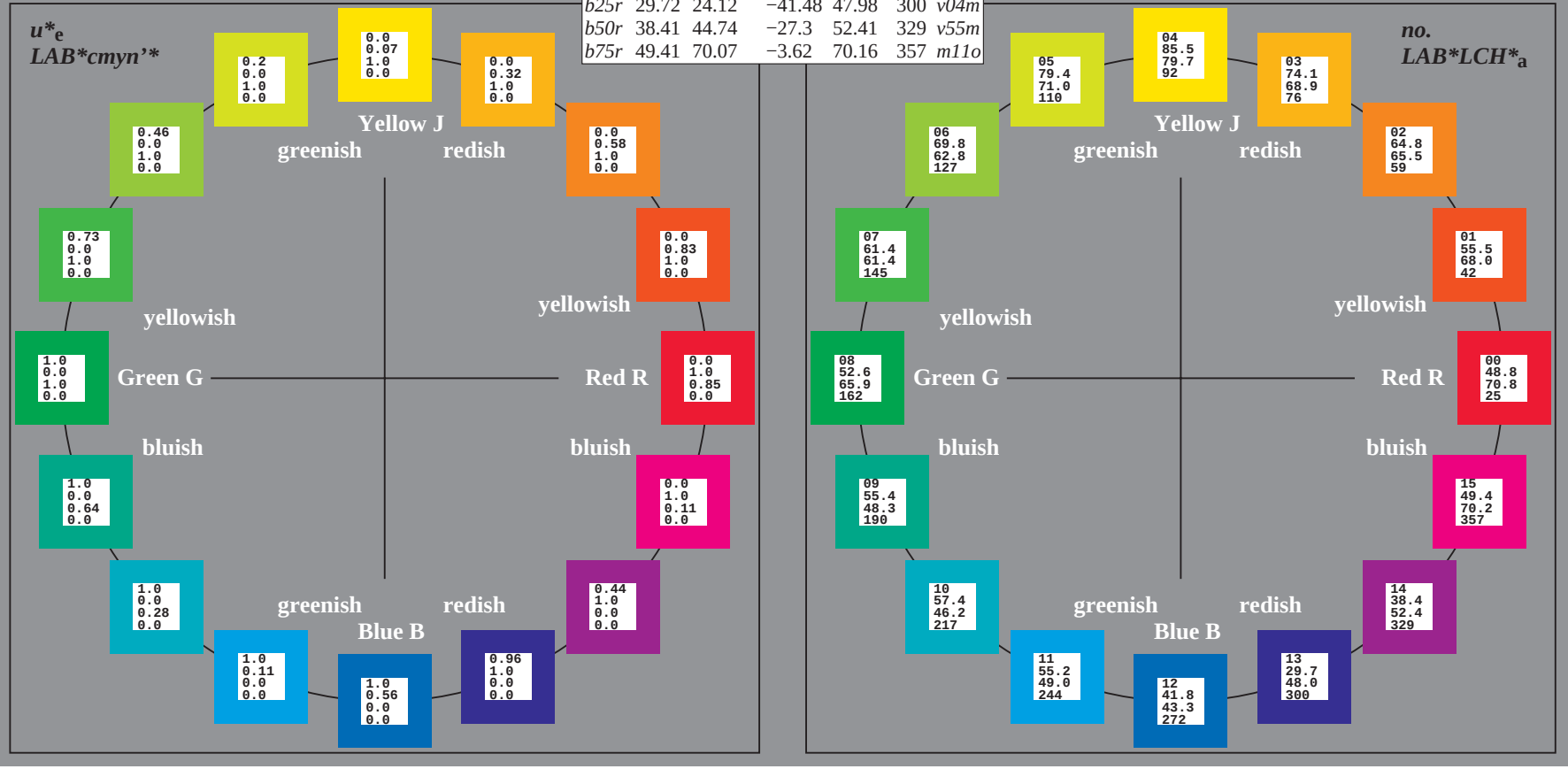
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

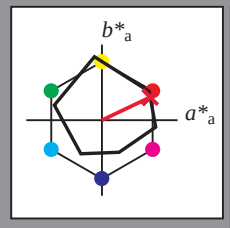
ORS20_95a; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272



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

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r00j* u^*_d = *m84o*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	*L*=L**	*a**	*b**	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

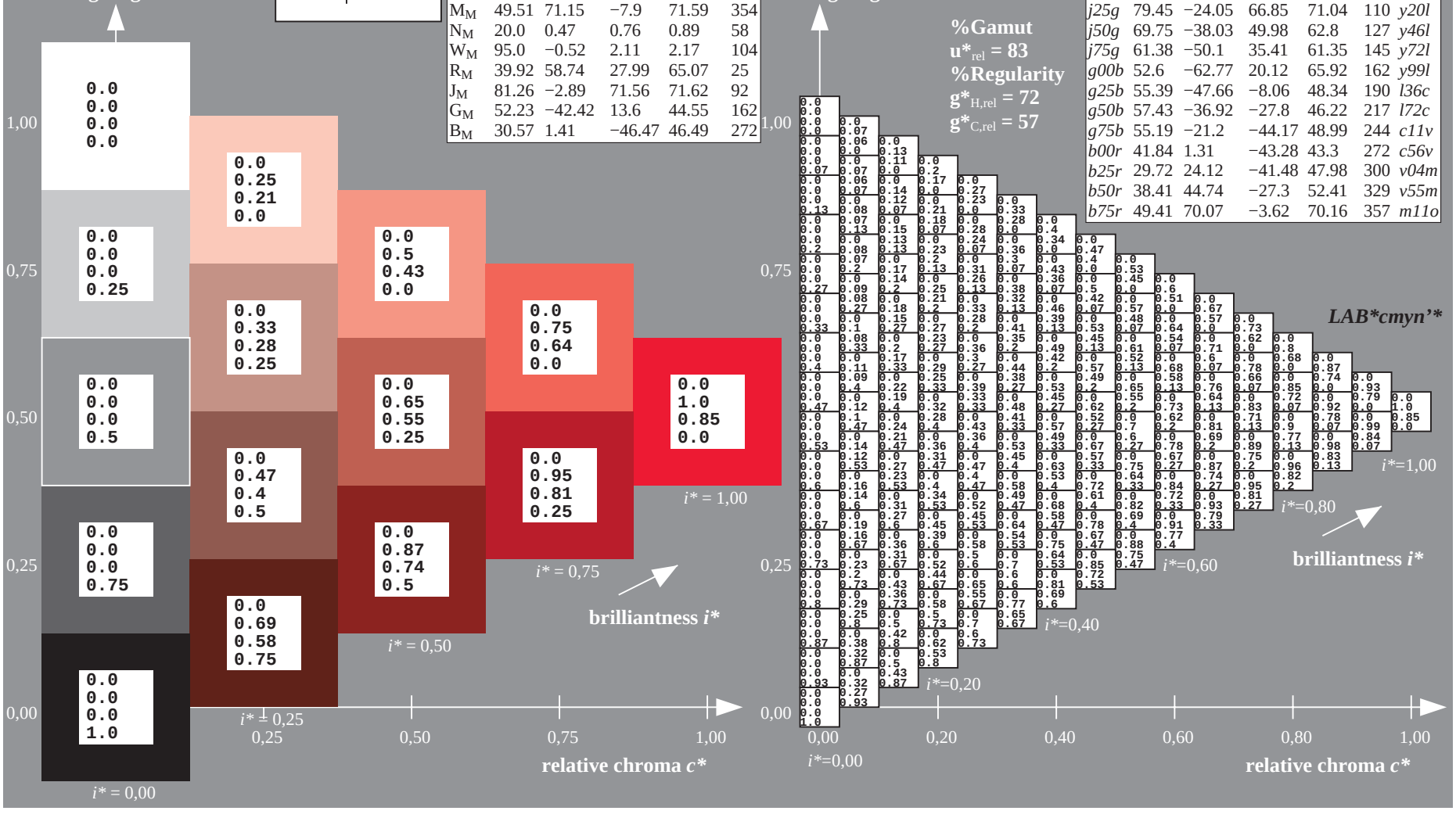
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 49 64 30**
LAB*LCH*$_{Ma}$**: 49 71 25**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.15**
triangle lightness *t**

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

u^*_e = *r00j*
LAB*cmyn'*

ORS20_95a; adapted (a) CIELAB data

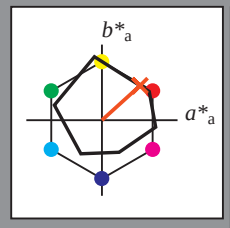
u^*_e	*L*=L**$_a$	*a**$_a$	*b**$_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r25j* u^*_d = *o17y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

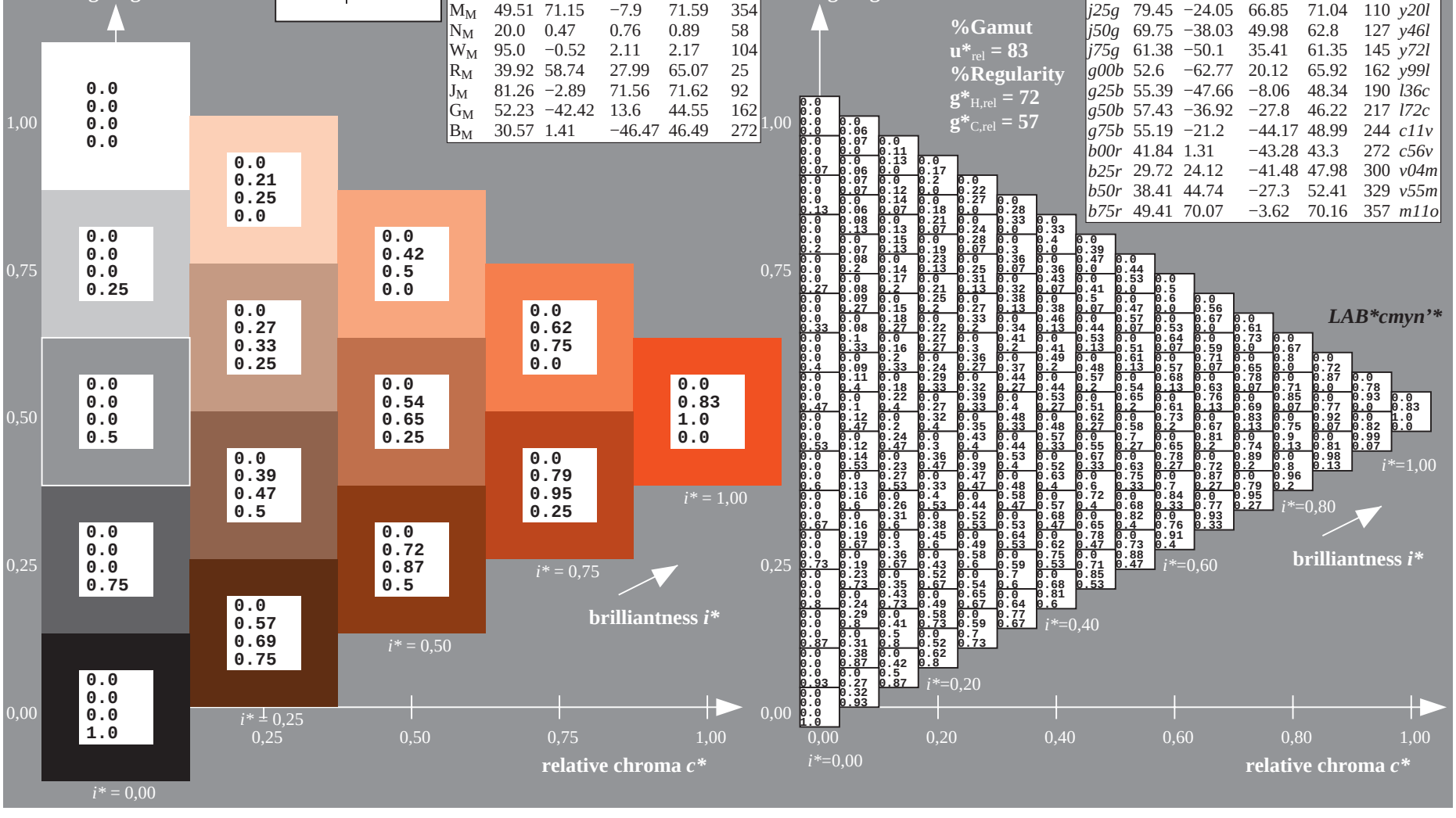
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 56 50 46
*LAB*LCH**$_{Ma}$: 56 68 42
*lab*rgb**$_{Ma}$: 1.0 0.25 0.0
*lab*olv**$_{Ma}$: 1.0 0.17 0.0
triangle lightness *t**

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

u^*_e = *r25j*
*LAB*cmyn'**

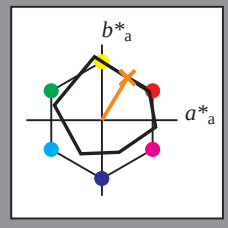
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r50j* u^*_d = *o42y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

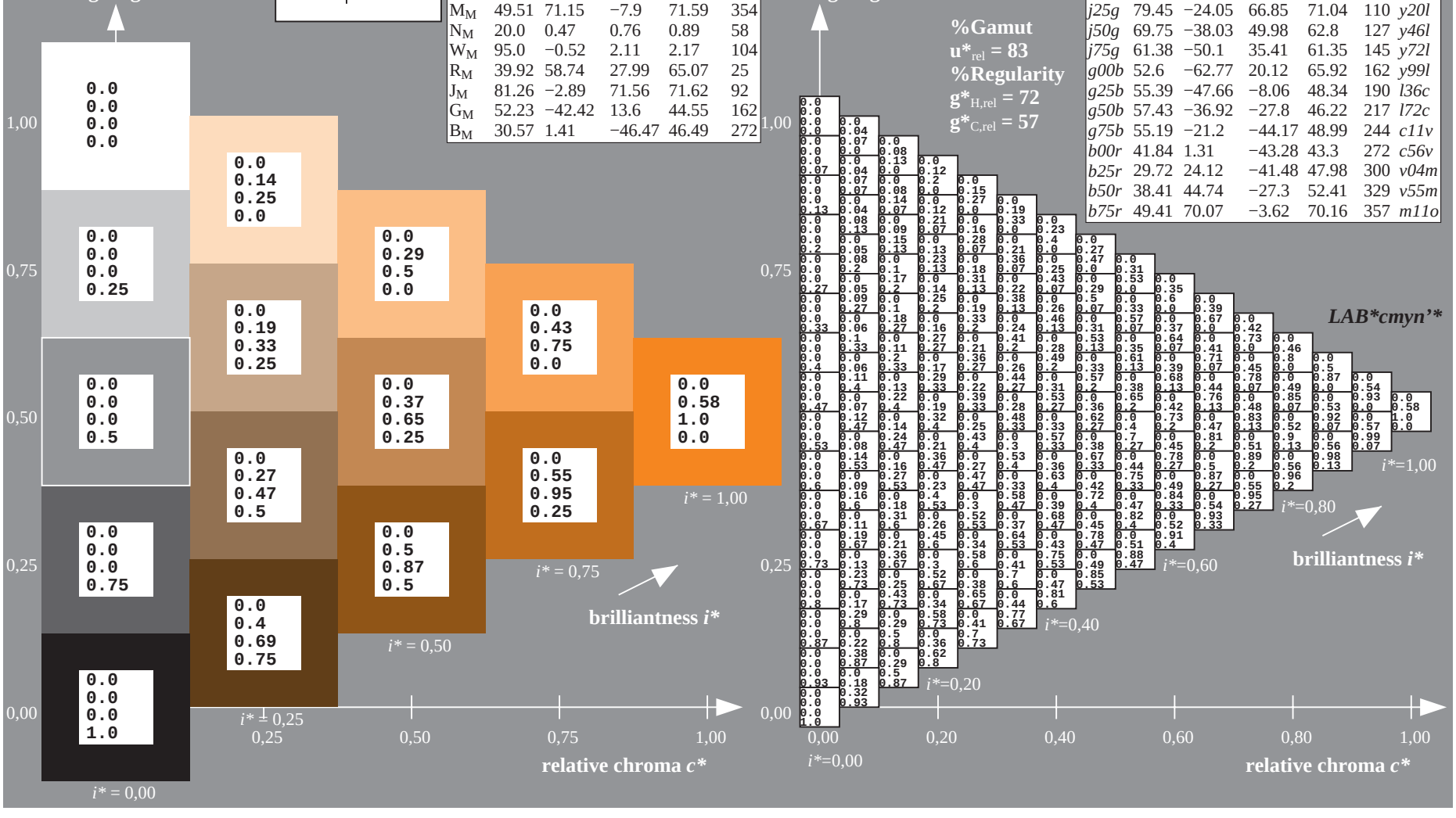
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 65 34 56
*LAB*LCH**$_{Ma}$: 65 66 58
*lab*rgb**$_{Ma}$: 1.0 0.5 0.0
*lab*olv**$_{Ma}$: 1.0 0.42 0.0
triangle lightness *t**

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

u^*_e = *r50j*
*LAB*cmyn'**

ORS20_95a; adapted (a) CIELAB data

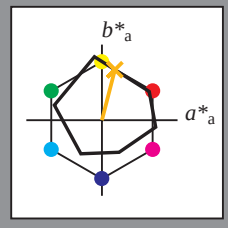
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *r75j* u^*_d = *o67y*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

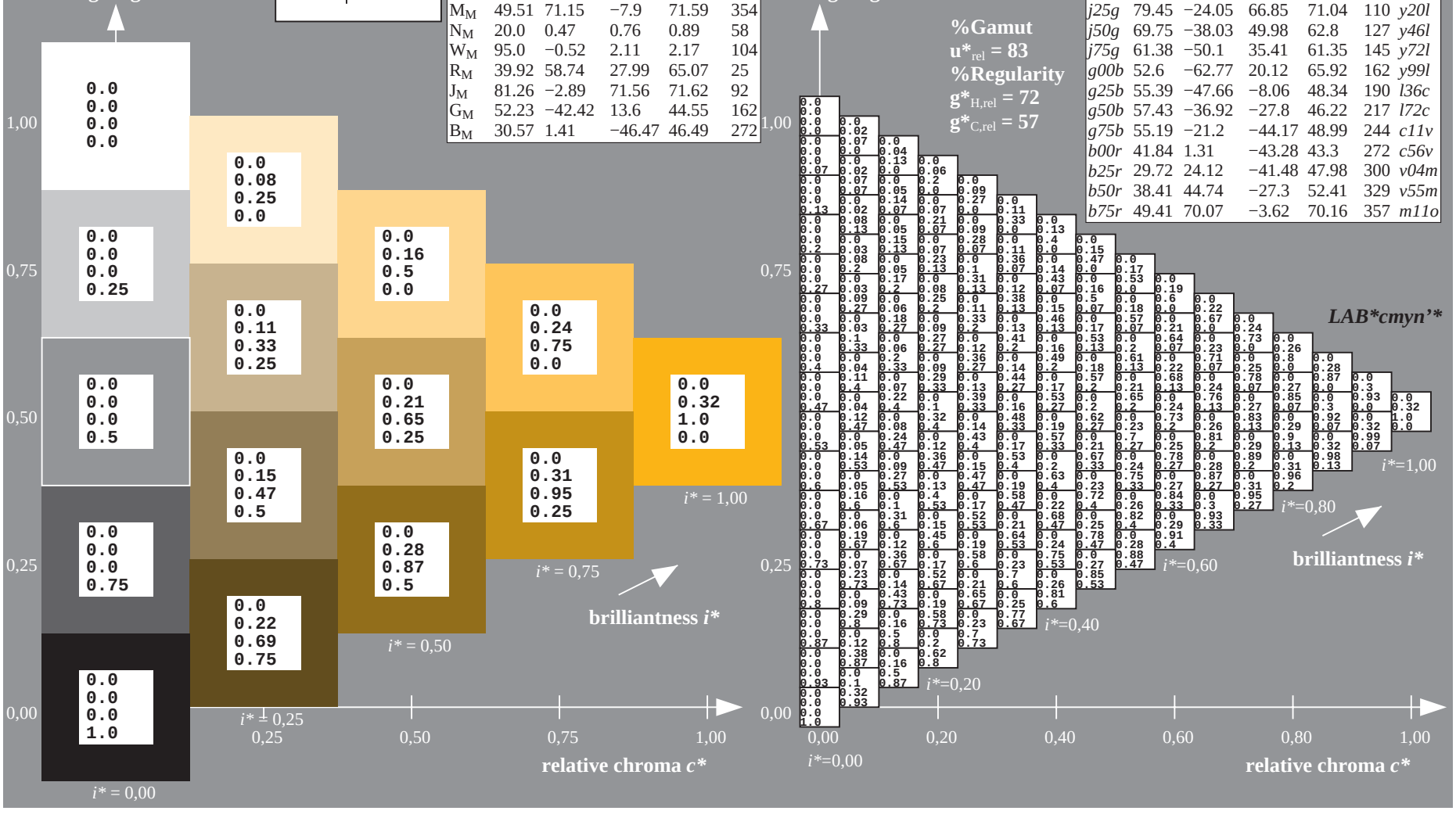
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 74 17 67
*LAB*LCH**$_{Ma}$: 74 69 75
*lab*rgb**$_{Ma}$: 1.0 0.75 0.0
*lab*olv**$_{Ma}$: 1.0 0.68 0.0
triangle lightness *t**

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

u^*_e = *r75j*
LAB*cmyn'*

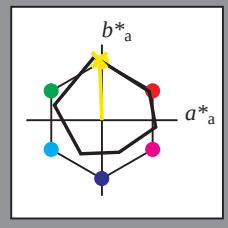
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *j00g* u^*_d = *o92y*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

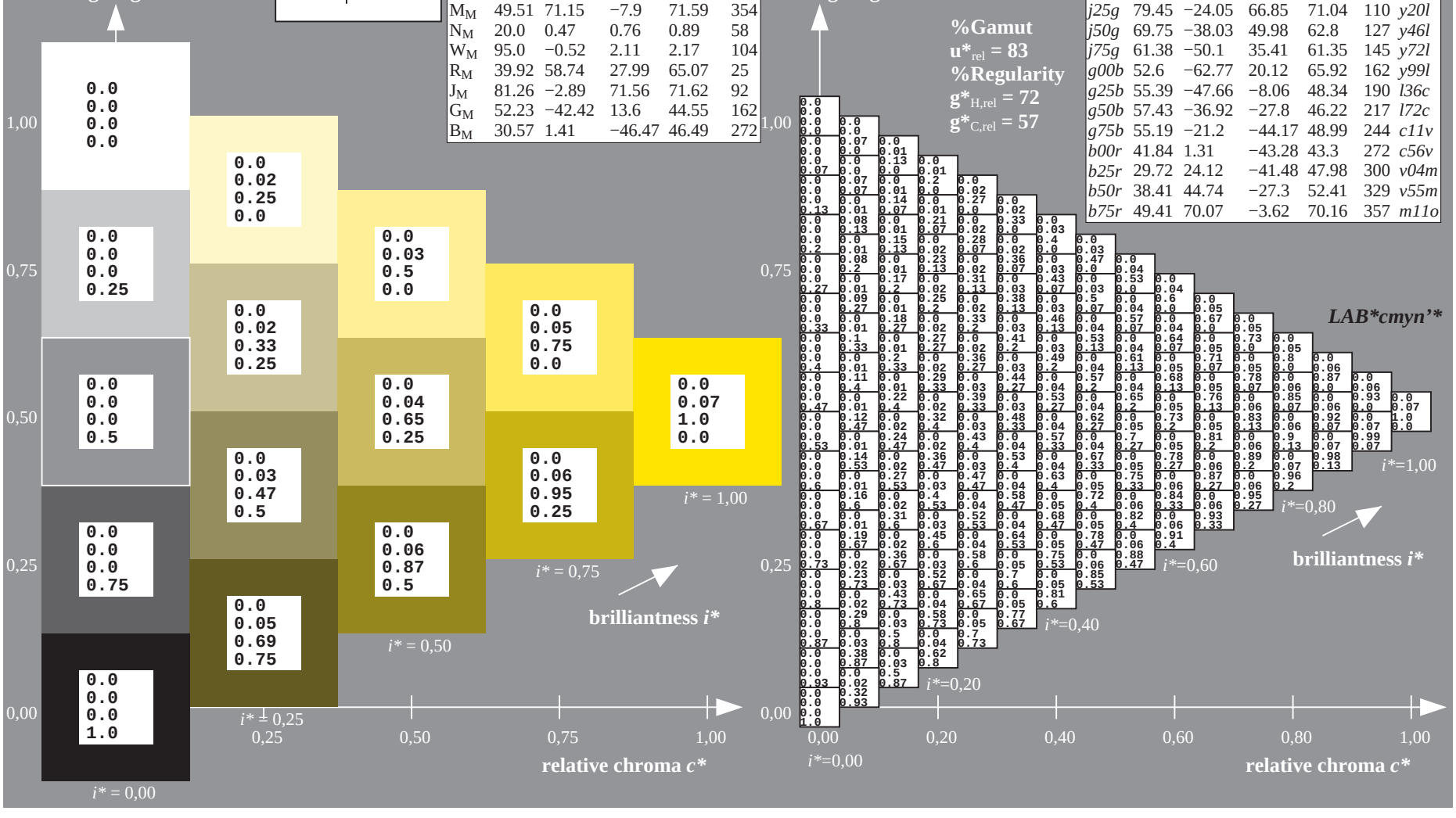
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 86 −3 80
*LAB*LCH**$_{Ma}$: 86 80 92
*lab*rgb**$_{Ma}$: 1.0 1.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.93 0.0
triangle lightness *t**

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

u^*_e = *j00g*
*LAB*cmyn'**

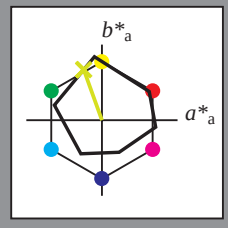
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *j25g* u^*_d = *y20l*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; CIELAB data

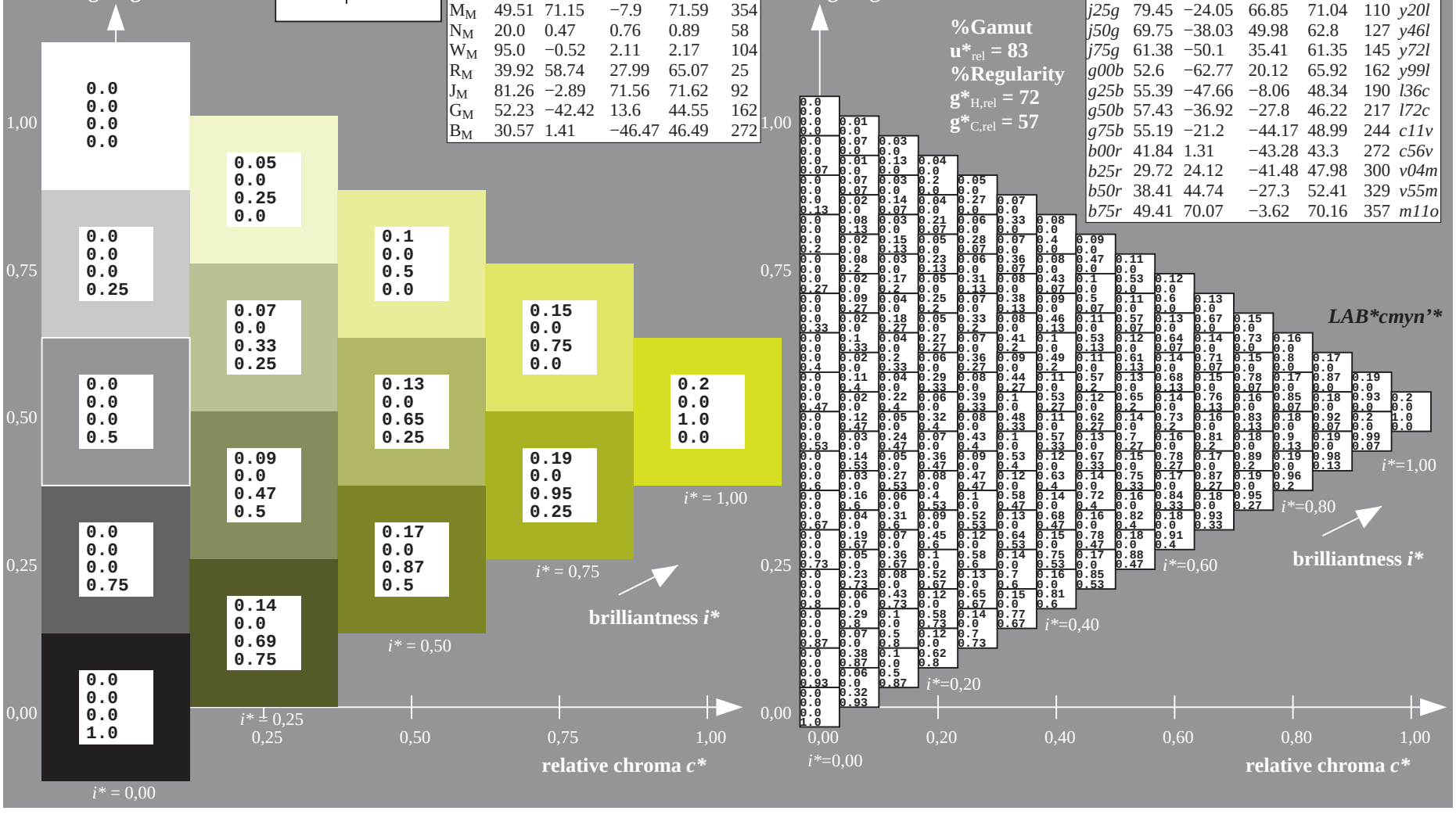
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 79 −24 67
*LAB*LCH**$_{Ma}$: 79 71 109
*lab*rgb**$_{Ma}$: 0.75 1.0 0.0
*lab*olv**$_{Ma}$: 0.8 1.0 0.0
triangle lightness *t**

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

ORS20_95a; adapted (a) CIELAB data

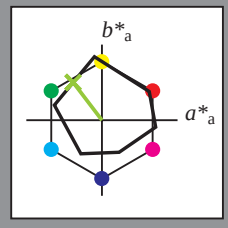
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j50g* u^*_d = *y46l*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

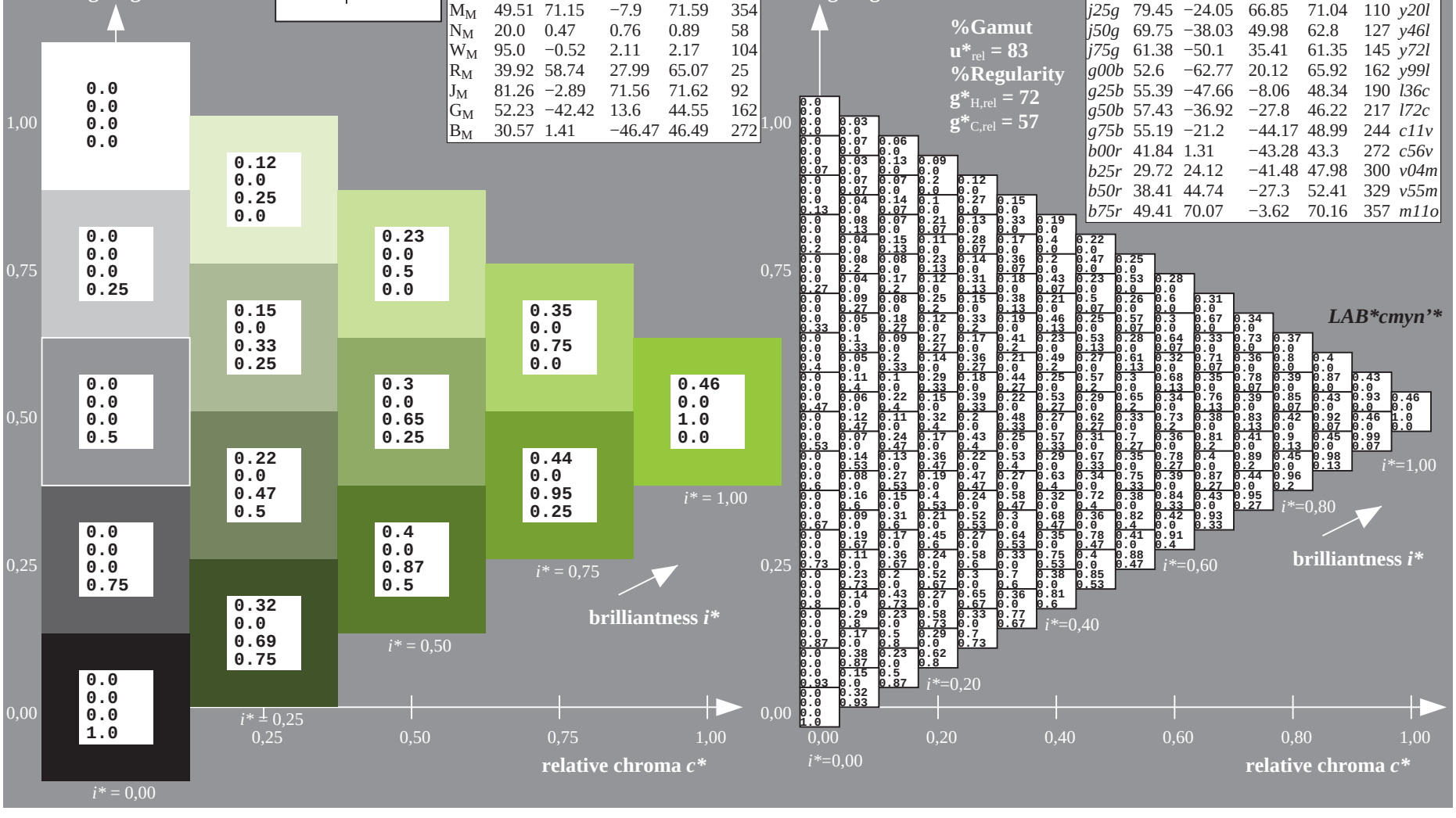
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 70 −38 50
*LAB*LCH**$_{Ma}$: 70 63 127
*lab*rgb**$_{Ma}$: 0.5 1.0 0.0
*lab*olv**$_{Ma}$: 0.54 1.0 0.0
triangle lightness *t**

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

u^*_e = *j50g*
*LAB*cmyn'**

ORS20_95a; adapted (a) CIELAB data

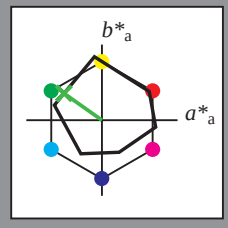
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *j75g* u^*_d = *y72l*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

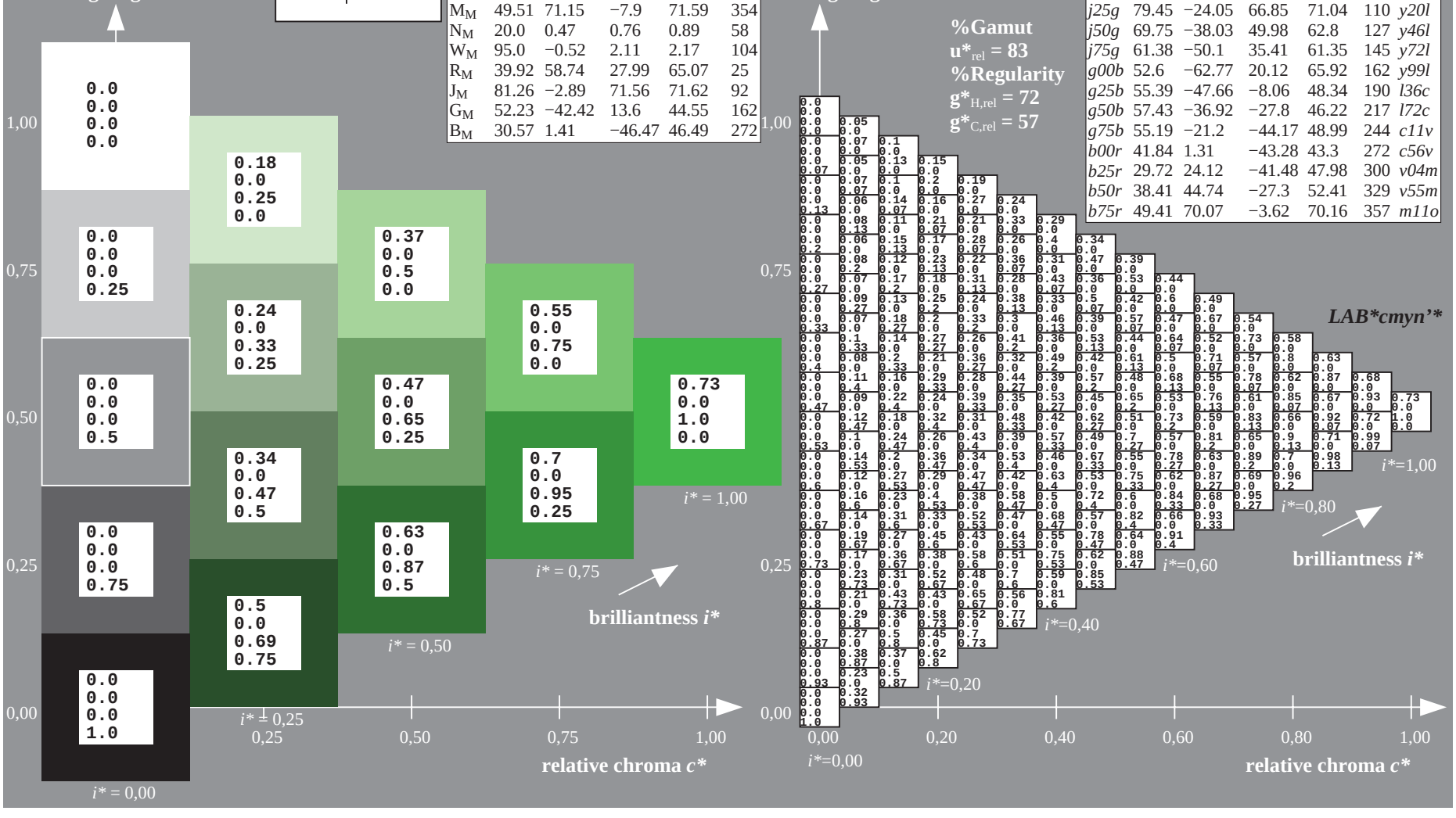
u^*_e	L*=L*	a*	b*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 61 −50 35
*LAB*LCH**$_{Ma}$: 61 61 144
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.27 1.0 0.0
triangle lightness *t**

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

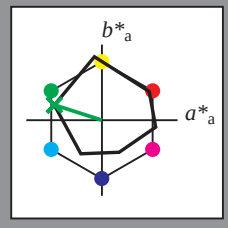
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
$u^*_e = g00b$ $u^*_d = y99l$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

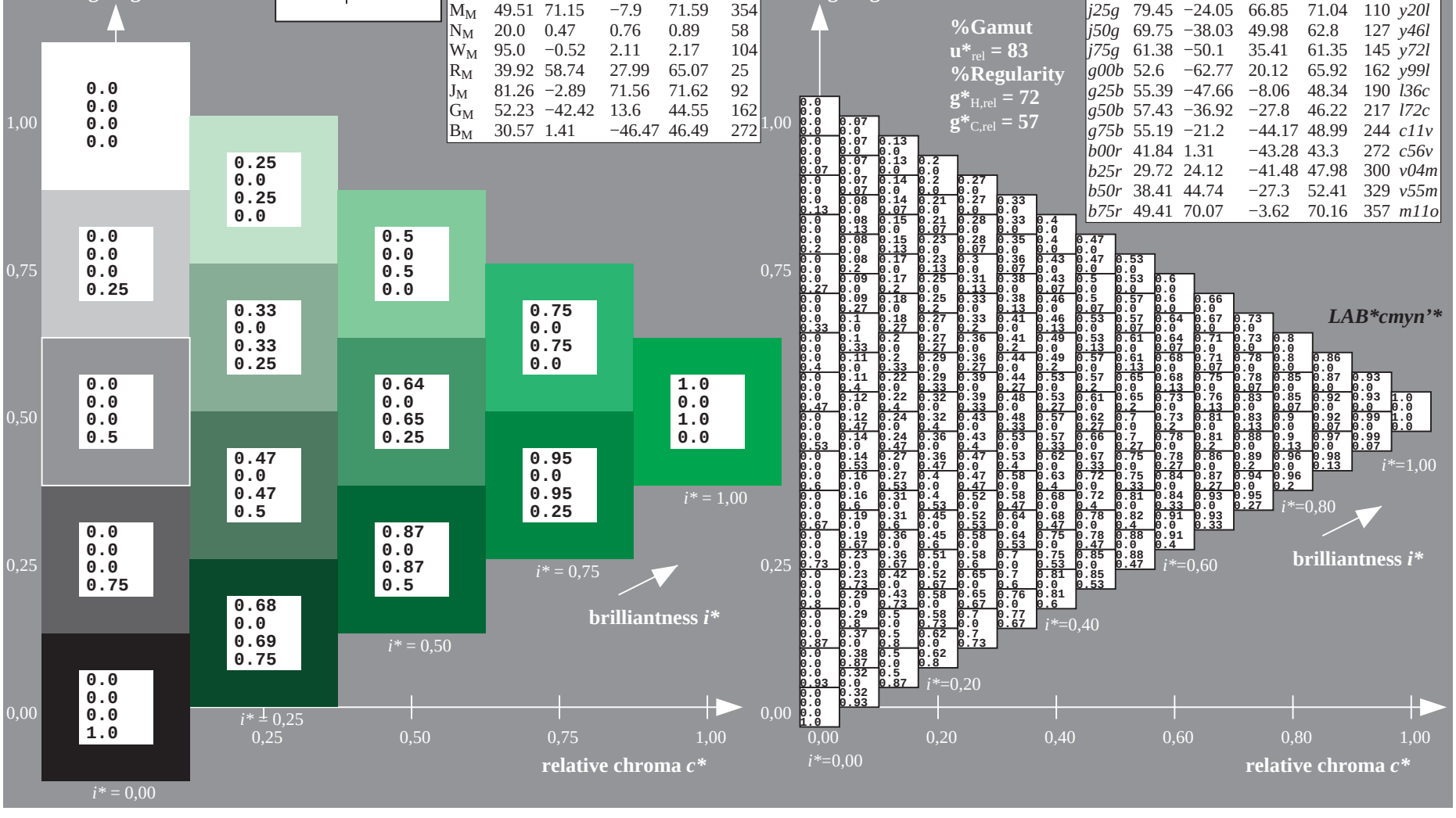
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −63 20
$LAB^*LCH^*_{Ma}$: 53 66 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.0
triangle lightness *t**

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

$u^*_e = g00b$
$LAB^*cmyn'^*$

ORS20_95a; adapted (a) CIELAB data

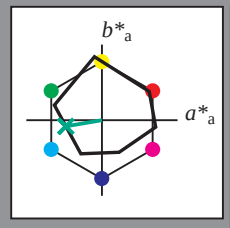
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *g25b* u^*_d = *l36c*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

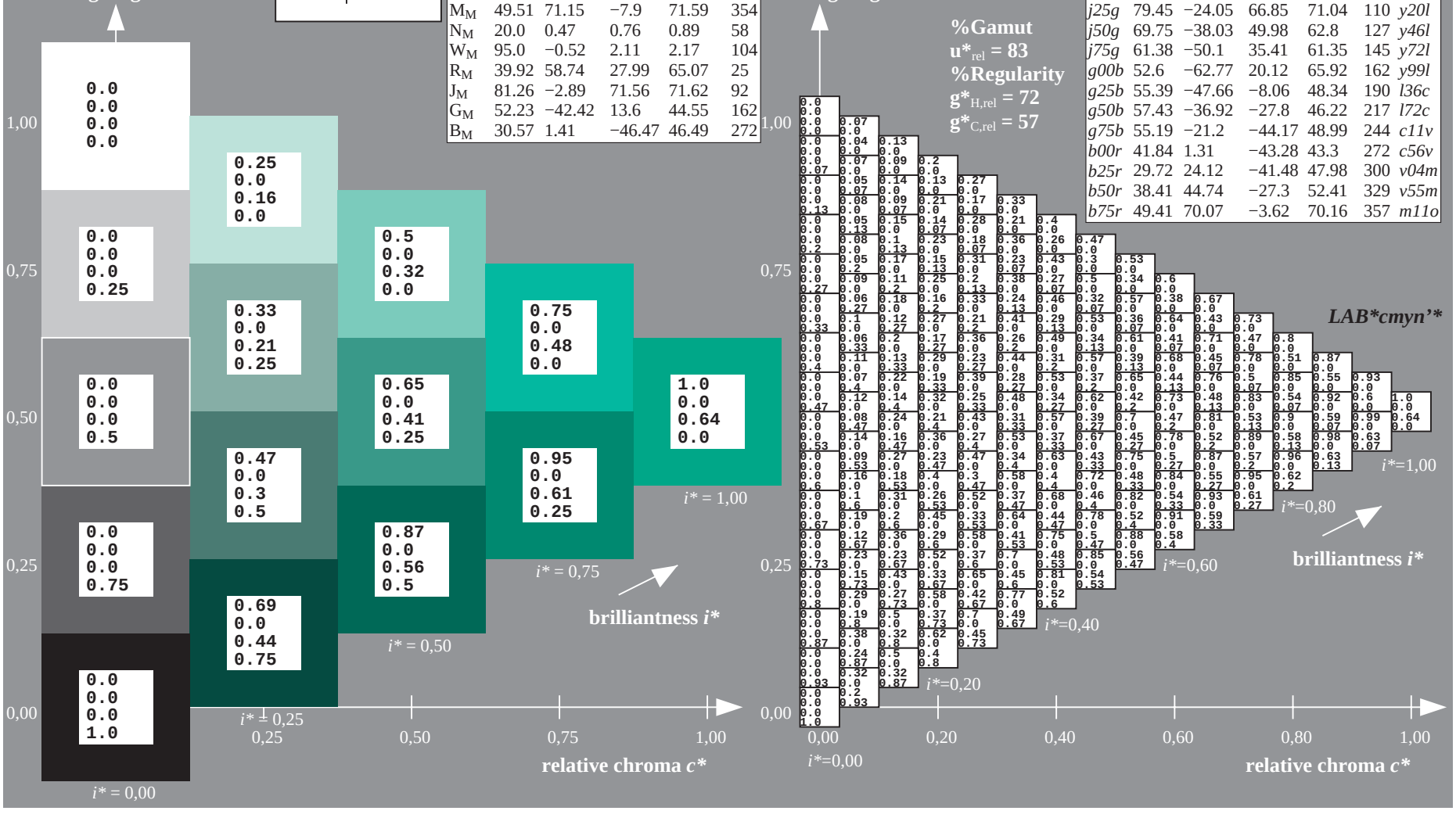
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −48 −8
*LAB*LCH**$_{Ma}$: 55 48 189
*lab*rgb**$_{Ma}$: 0.0 1.0 0.5
*lab*olv**$_{Ma}$: 0.0 1.0 0.36
triangle lightness *t**

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

u^*_e = *g25b*
LAB*cmyn'*

ORS20_95a; adapted (a) CIELAB data

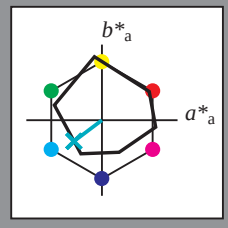
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *g50b* u^*_d = *l72c*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

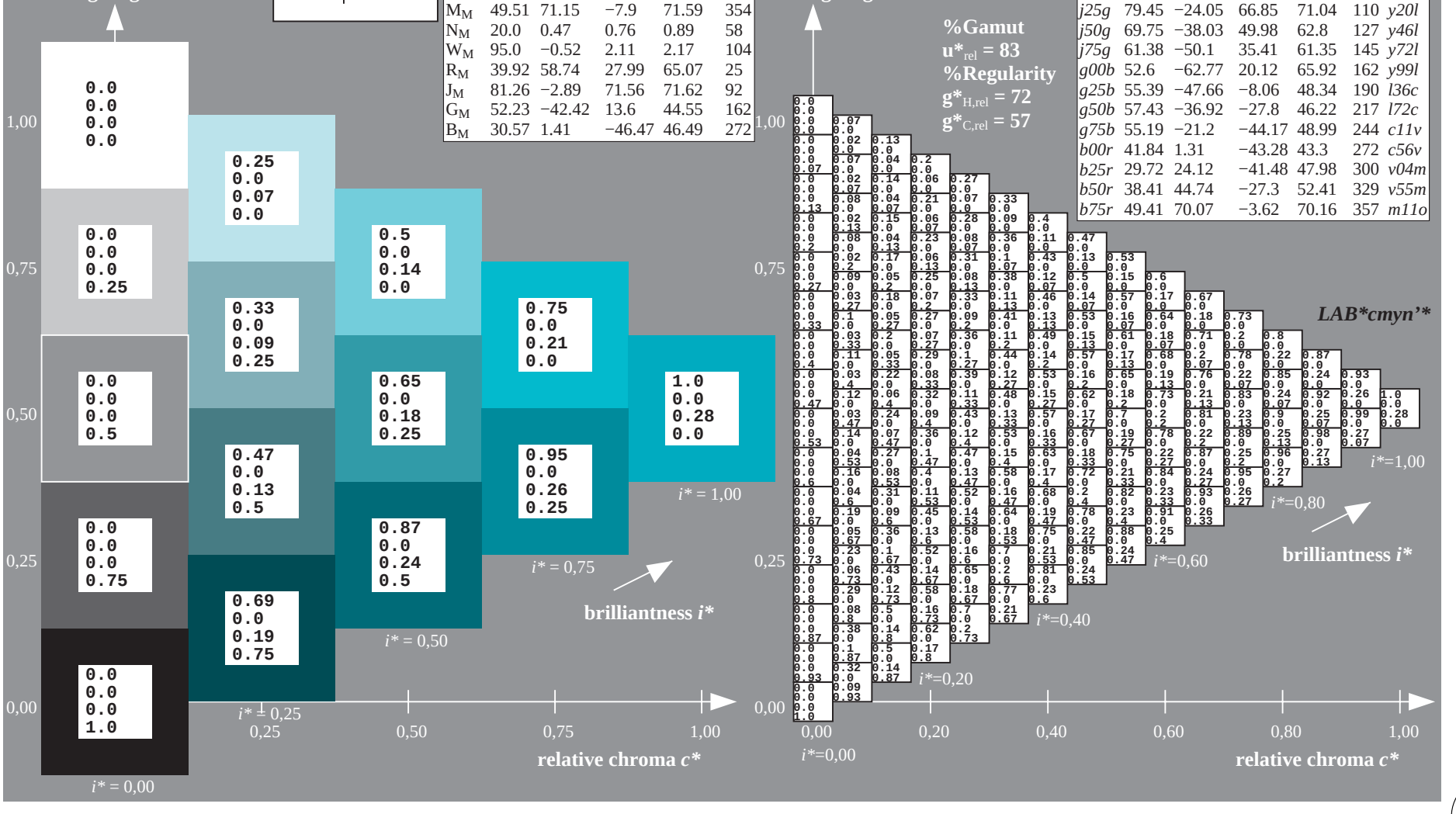
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 57 −37 −28
*LAB*LCH**$_{Ma}$: 57 46 216
*lab*rgb**$_{Ma}$: 0.0 1.0 1.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.72
triangle lightness *t**

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

u^*_e = *g50b*
*LAB*cmyn'**

ORS20_95a; adapted (a) CIELAB data

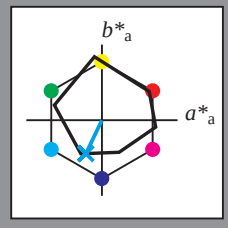
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
$u^*_e = g75b$ $u^*_d = c11v$
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

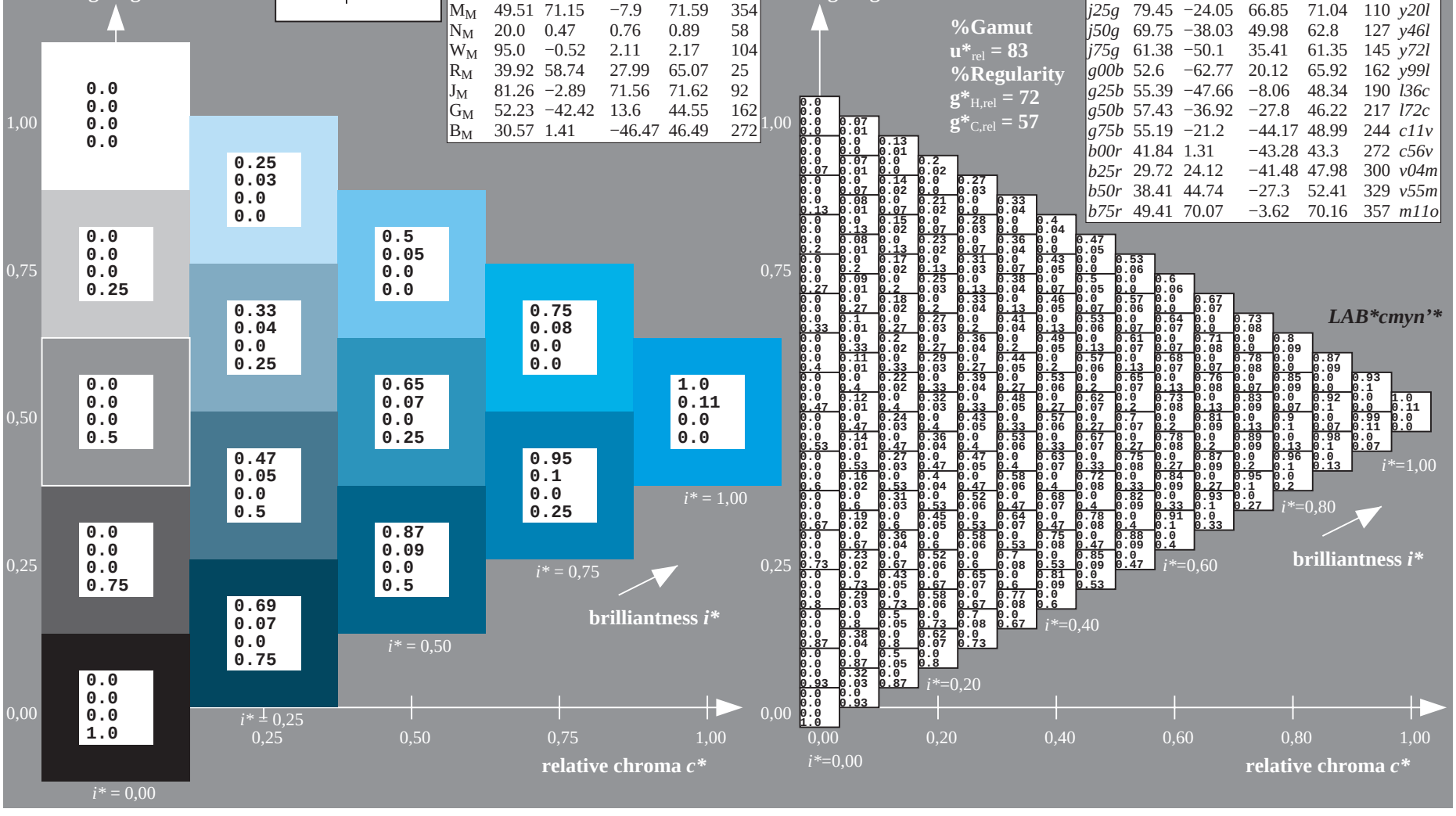
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 −21 −44
$LAB^*LCH^*_{Ma}$: 55 49 244
$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0
$lab^*olv^*_{Ma}$: 0.0 0.89 1.0
triangle lightness *t**

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

$u^*_e = g75b$
$LAB^*cmyn'^*$

ORS20_95a; adapted (a) CIELAB data

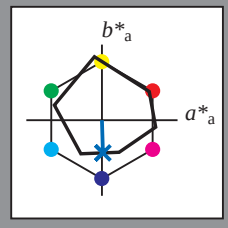
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *b00r* u^*_d = *c56v*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

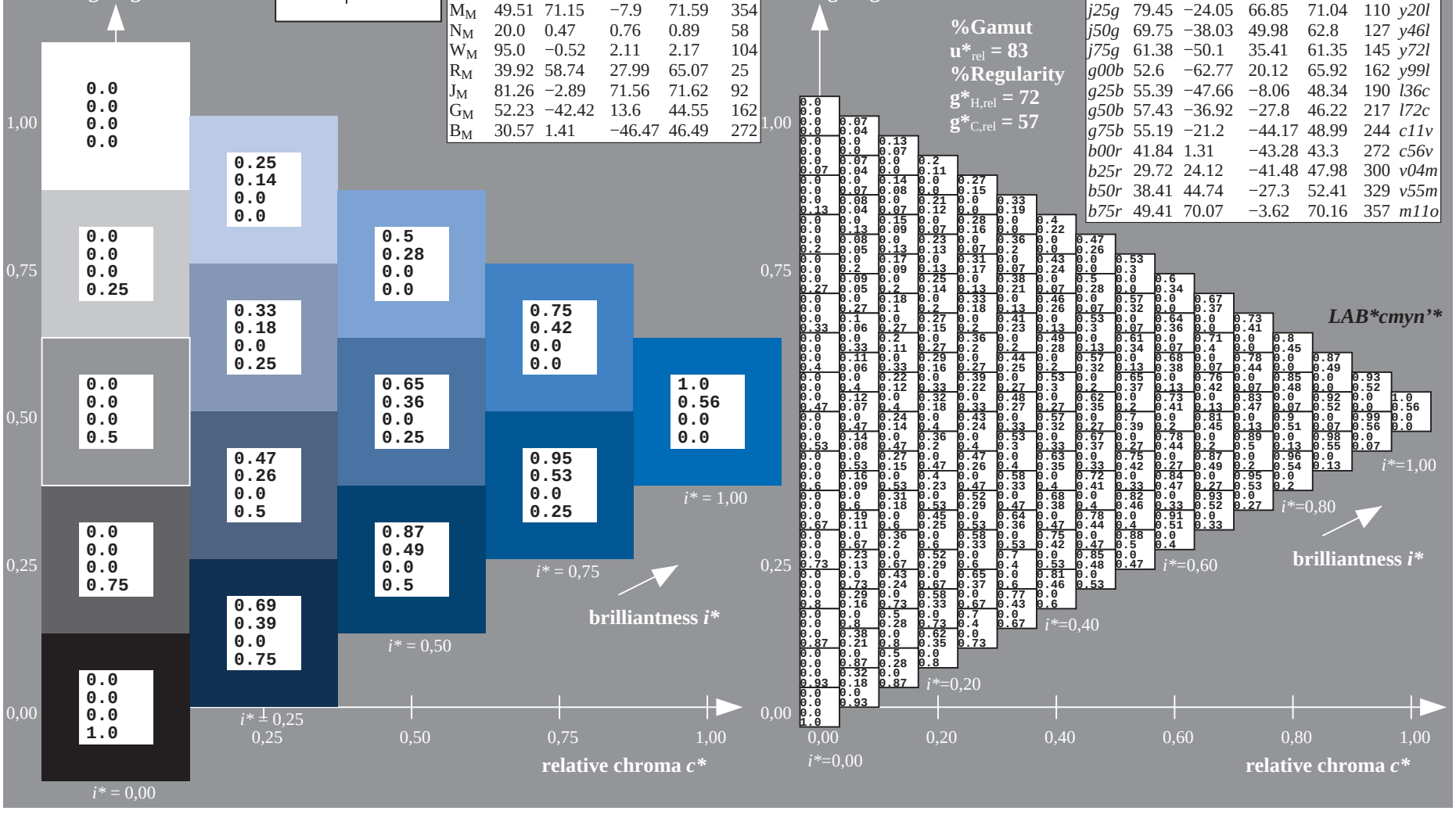
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 1 −43
*LAB*LCH**$_{Ma}$: 42 43 271
*lab*rgb**$_{Ma}$: 0.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.0 0.44 1.0
triangle lightness *t

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

u^*_e = *b00r*
LAB*cmyn'*

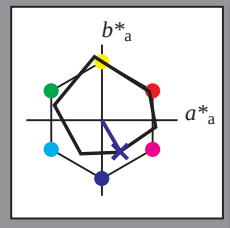
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *b25r* u^*_d = *v04m*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

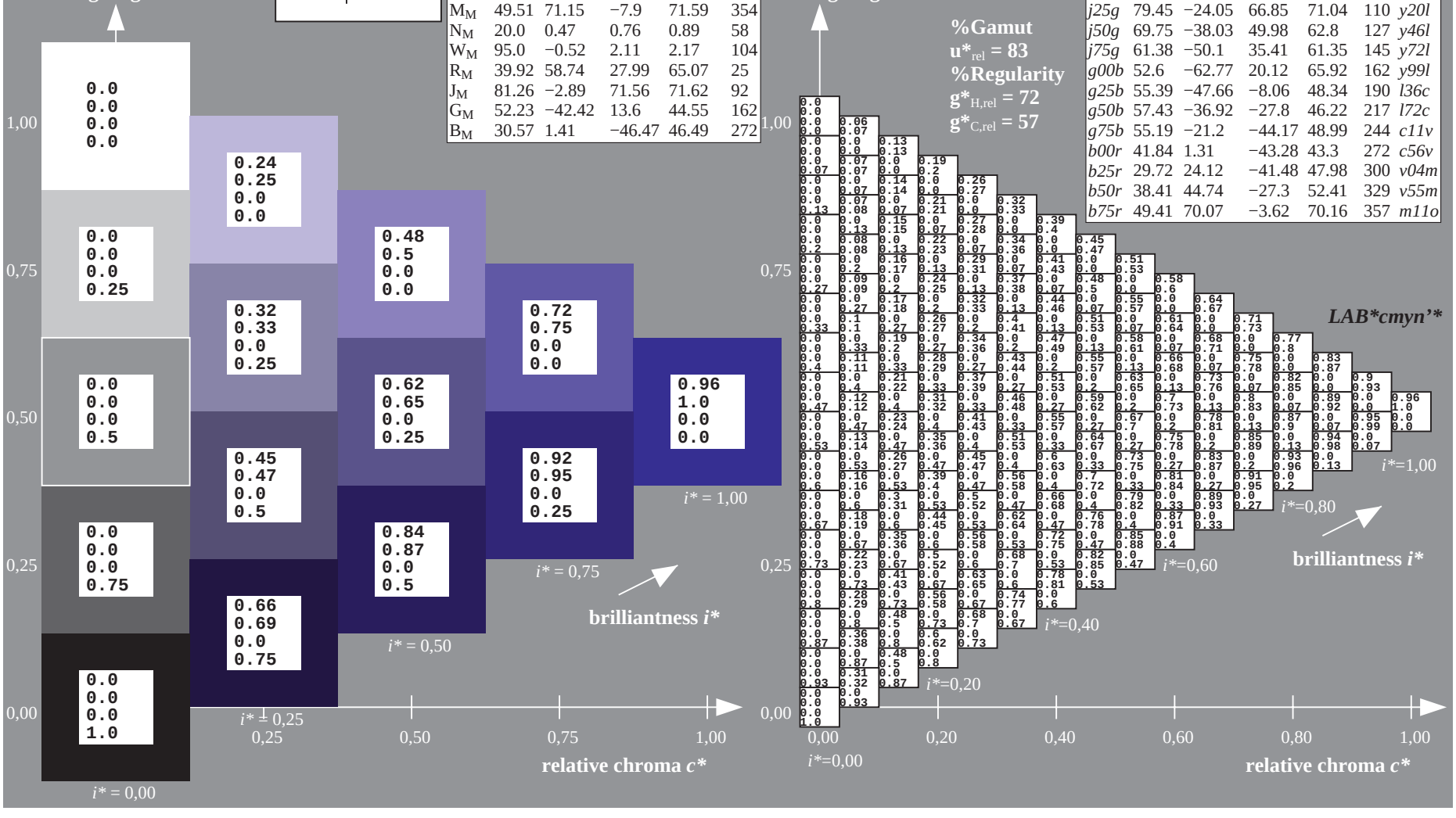
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 30 24 −41
*LAB*LCH**$_{Ma}$: 30 48 300
*lab*rgb**$_{Ma}$: 0.5 0.0 1.0
*lab*olv**$_{Ma}$: 0.04 0.0 1.0
triangle lightness *t

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

u^*_e = *b25r*
*LAB*cmyn'**

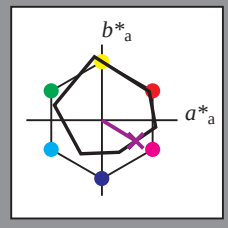
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *b50r* u^*_d = *v55m*
contrast reduction factor:
$c_R = 0.96$
triangle lightness *t



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

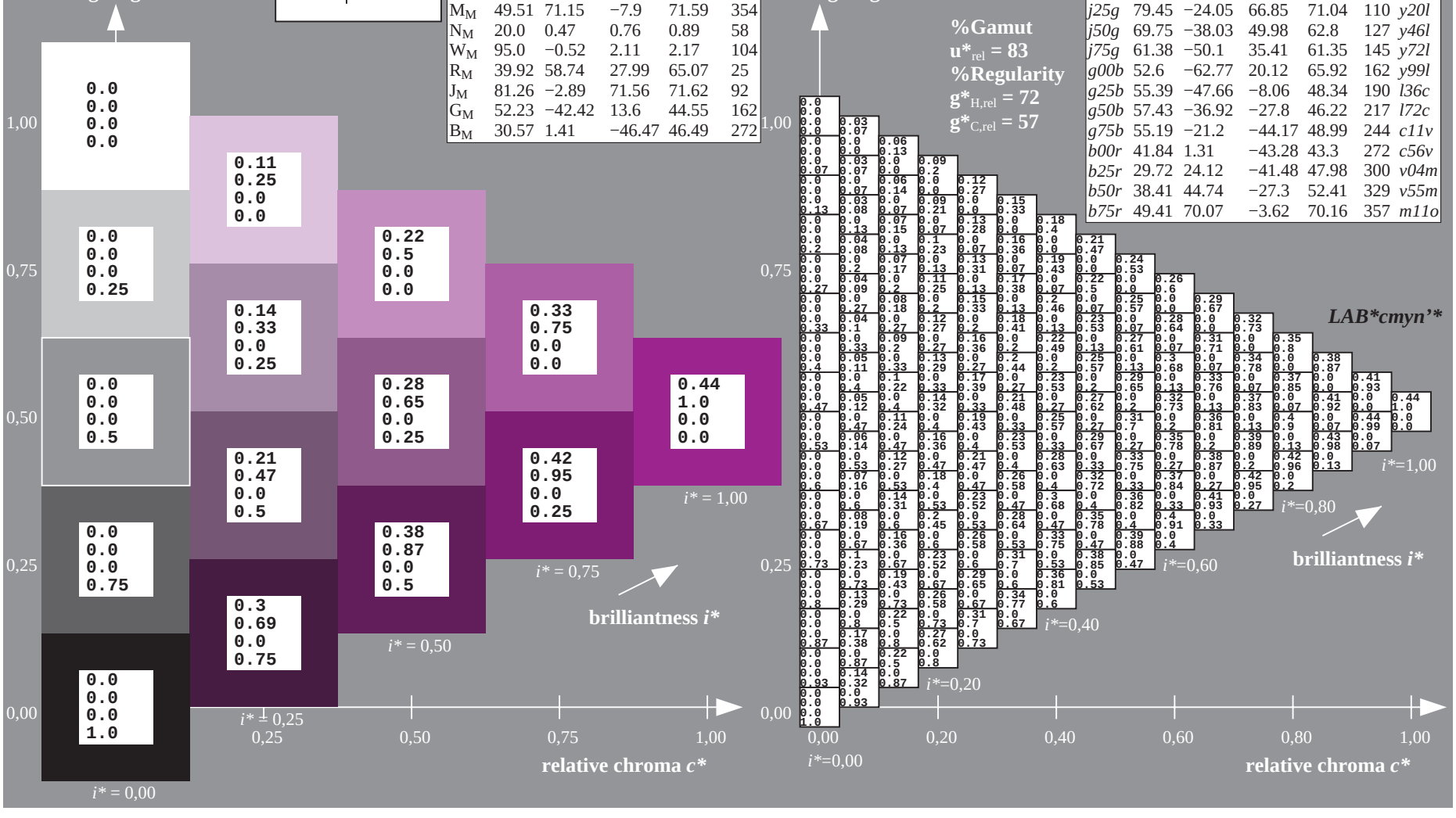
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 38 45 −27
*LAB*LCH**$_{Ma}$: 38 52 328
*lab*rgb**$_{Ma}$: 1.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.56 0.0 1.0
triangle lightness *t**

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

u^*_e = *b50r*
LAB*cmyn'*

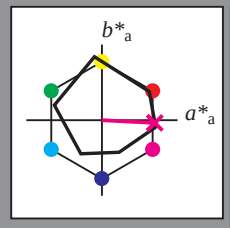
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
b00r	41.84	1.31	−43.28	43.3	272	*c56v*
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b75r* u^*_d = *m11o*
contrast reduction factor:
c_R = 0.96
triangle lightness *t**



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.71	62.65	39.19	73.89	32
Y_M	89.25	−10.36	85.91	86.53	97
L_M	52.5	−62.88	21.3	66.38	161
C_M	59.15	−27.92	−42.97	51.24	237
V_M	29.13	23.07	−41.51	47.5	299
M_M	49.51	71.15	−7.9	71.59	354
N_M	20.0	0.47	0.76	0.89	58
W_M	95.0	−0.52	2.11	2.17	104
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 49 70 −4
*LAB*LCH**$_{Ma}$: 49 70 357
*lab*rgb**$_{Ma}$: 1.0 0.0 0.5
*lab*olv**$_{Ma}$: 1.0 0.0 0.89
triangle lightness *t**

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

u^*_e = *b75r*
*LAB*cmyn'**

ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.83	63.91	30.45	70.79	25	*m84o*
r25j	55.53	50.37	45.65	67.97	42	*o17y*
r50j	64.76	33.86	56.12	65.55	59	*o42y*
r75j	74.12	17.13	66.74	68.9	76	*o67y*
j00g	85.5	−3.22	79.65	79.72	92	*o92y*
j25g	79.45	−24.05	66.85	71.04	110	*y20l*
j50g	69.75	−38.03	49.98	62.8	127	*y46l*
j75g	61.38	−50.1	35.41	61.35	145	*y72l*
g00b	52.6	−62.77	20.12	65.92	162	*y99l*
g25b	55.39	−47.66	−8.06	48.34	190	*l36c*
g50b	57.43	−36.92	−27.8	46.22	217	*l72c*
g75b	55.19	−21.2	−44.17	48.99	244	*c11v*
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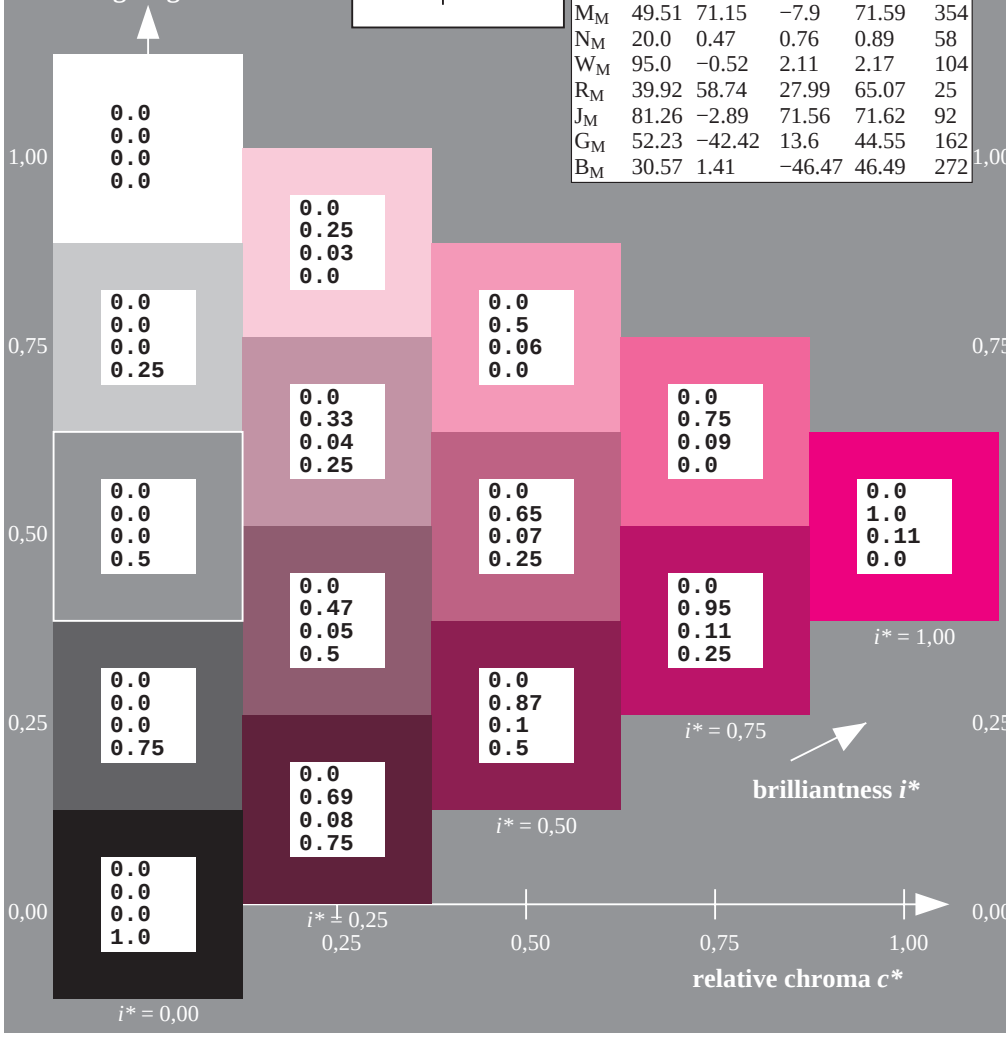
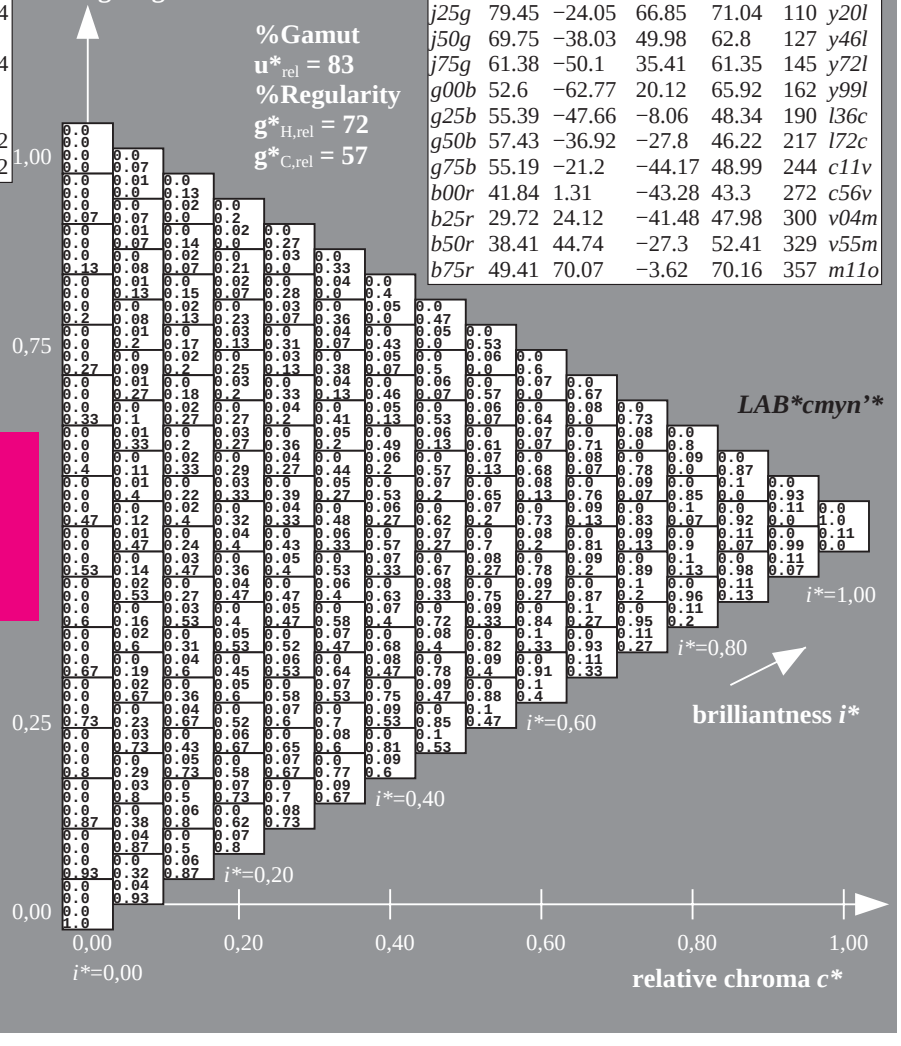
b25r	29.72	24.12	−41.48	47.98	300	*v04m*
b50r	38.41	44.74	−27.3	52.41	329	*v55m*
b75r	49.41	70.07	−3.62	70.16	357	*m11o*





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