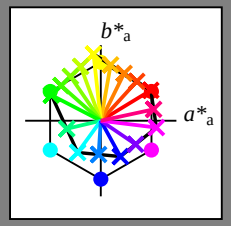
Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
u^*_d and number *no.* = 00 .. 15
device hue text:
u^*_d = 16 hues *o00y, o25y, ..., m50o*
contrast reduction factor:
c_R = 1.0

ORS20_95a; adapted (a) CIELAB data

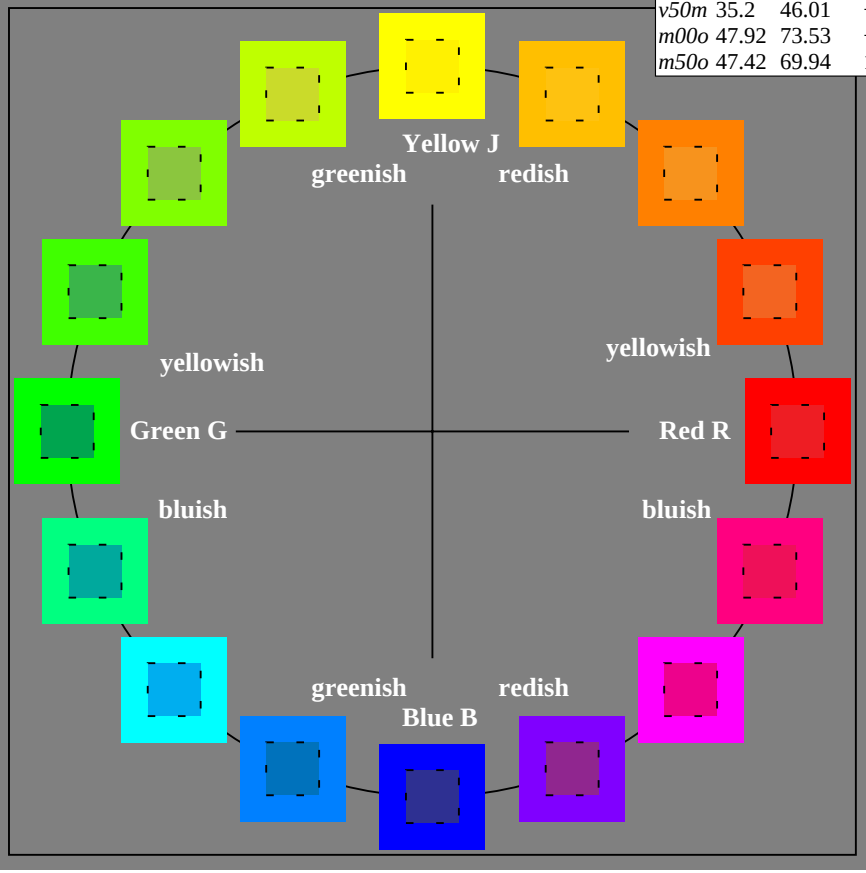
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

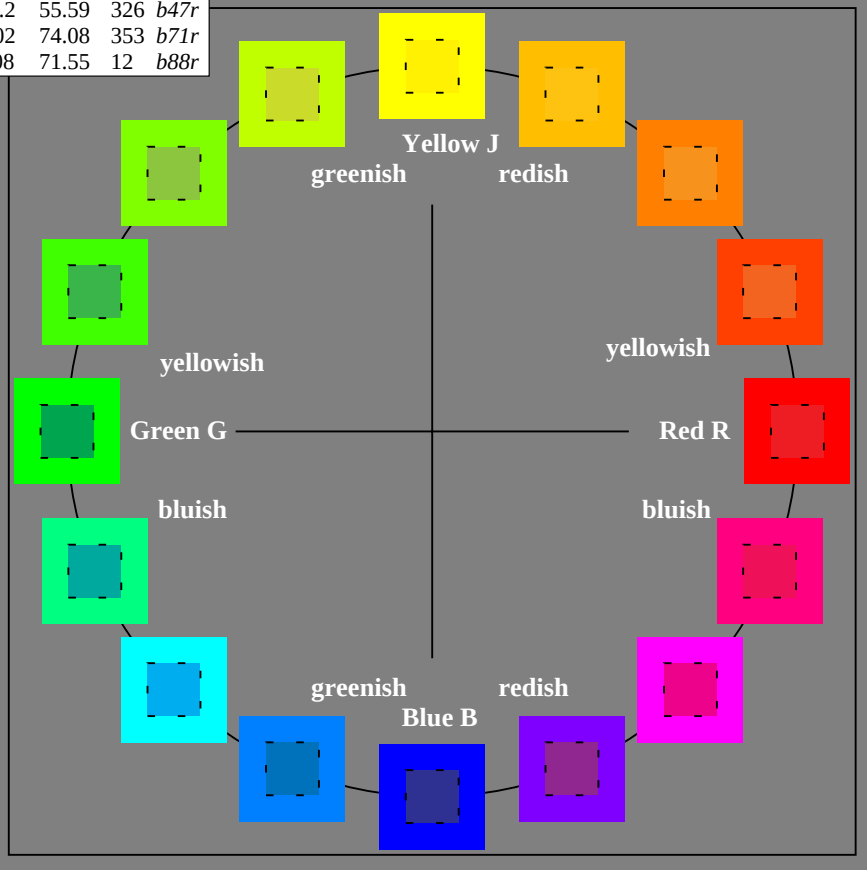


%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 67
$g^*_{C,rel}$ = 59

ORS20_95a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	−46.47	46.49	272





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$ **$u^*_d = o00y$**

data for any colour:

lab*tch** and *lab*icu*

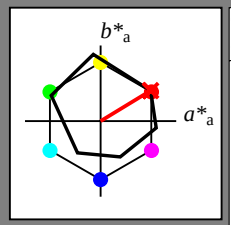
Hue texts:

$u^*_d = o00y$ $u^*_e = r09j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 47 66 40**

***LAB*LCH**$_{Ma}$: 47 77 31**

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

***lab*rgb**$_{Ma}$: 1.0 0.09 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

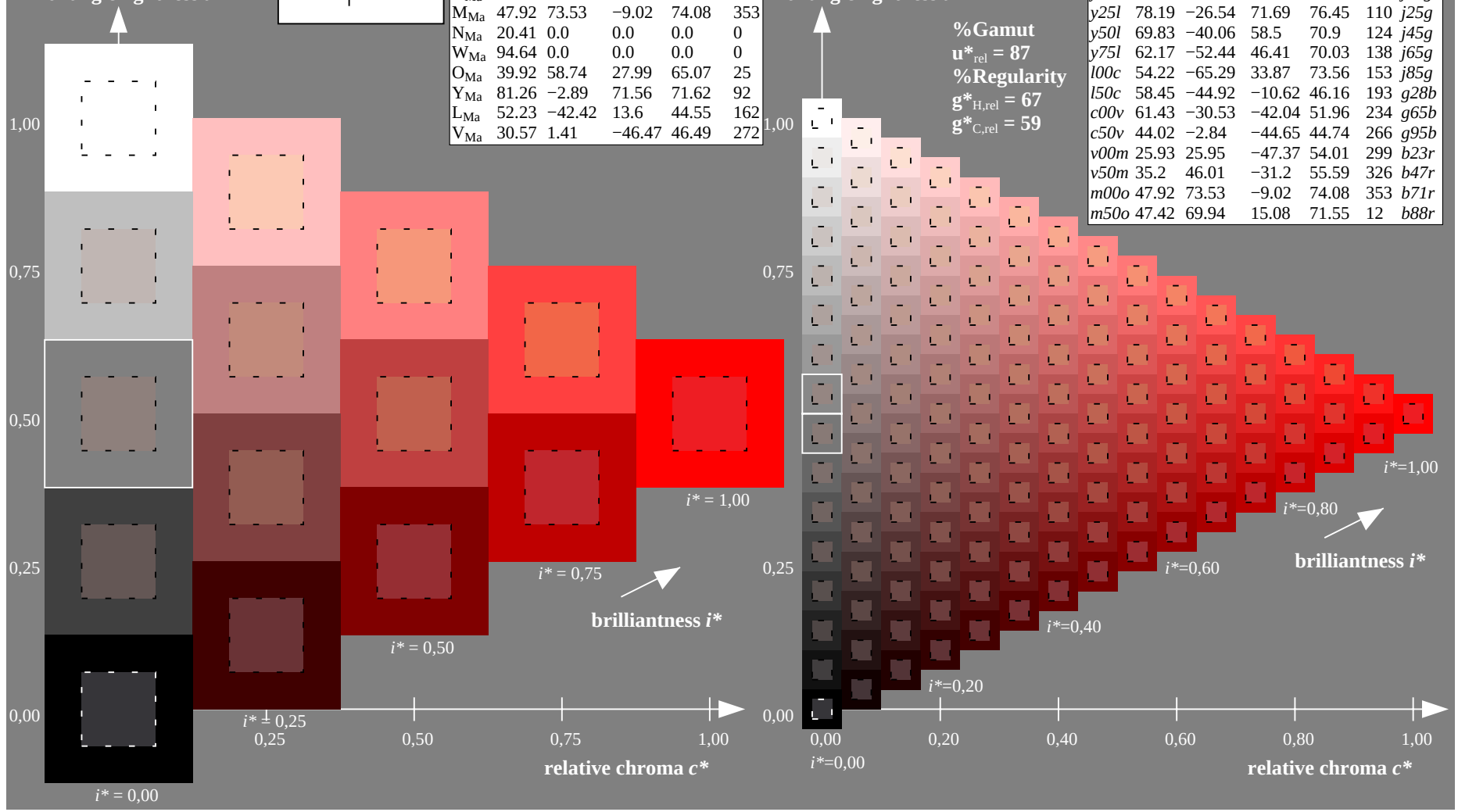
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 67$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$ **$u^*_d = o25y$**

data for any colour:

lab*tch** and *lab*icu*

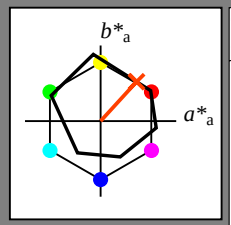
Hue texts:

$u^*_d = o25y$ $u^*_e = r33j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 57 48 52**

***LAB*LCH**$_{Ma}$: 57 71 47**

***lab*olv**$_{Ma}$: 1.0 0.25 0.0**

***lab*rgb**$_{Ma}$: 1.0 0.33 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

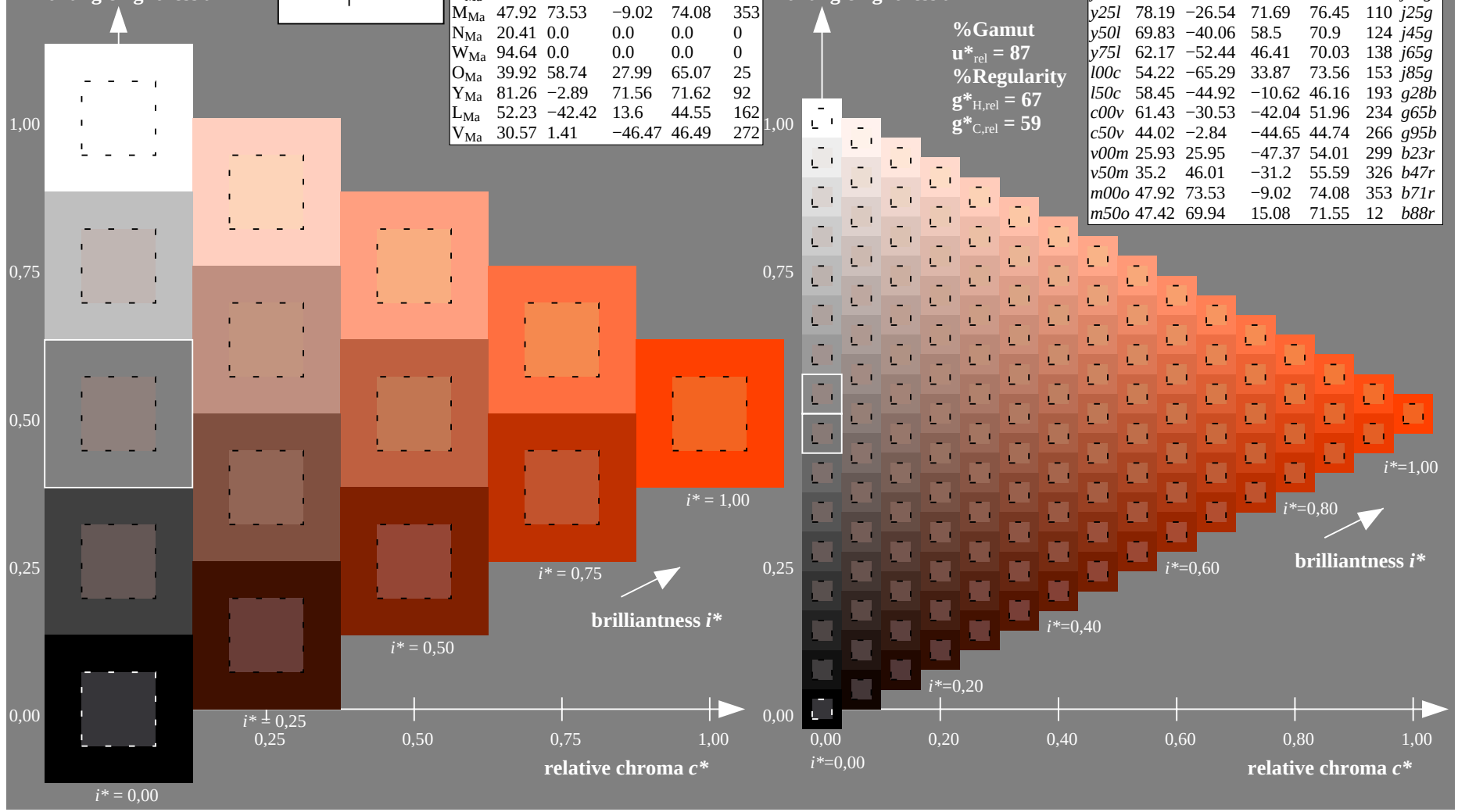
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 67$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.177$ $u^*_d = o50y$

data for any colour:

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

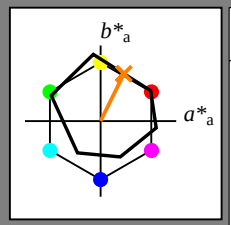
Hue texts:

$u^*_d = o50y$ $u^*_e = r57j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 66 31 63

$LAB^*LCH^*_{Ma}$: 66 70 63

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

$lab^*rgb^*_{Ma}$: 1.0 0.57 0.0

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

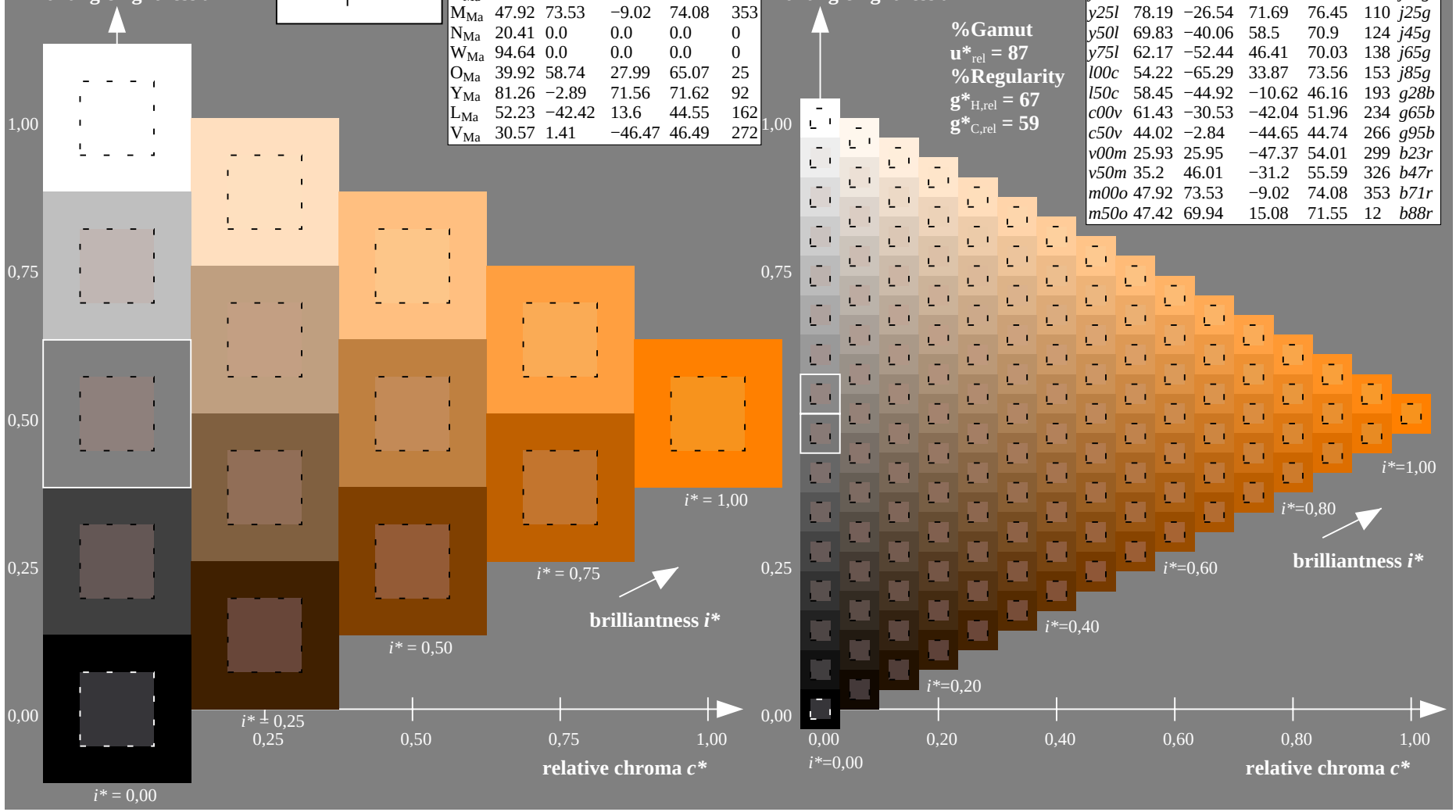
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.222$ **$u^*_d = o75y$**

data for any colour:

lab*tch** and *lab*icu*

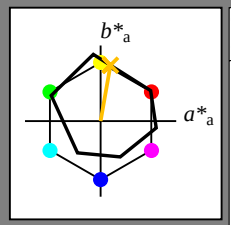
Hue texts:

$u^*_d = o75y$ $u^*_e = r81j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 76 13 74**

***LAB*LCH**$_{Ma}$: 76 75 79**

***lab*olv**$_{Ma}$: 1.0 0.75 0.0**

***lab*rgb**$_{Ma}$: 1.0 0.82 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

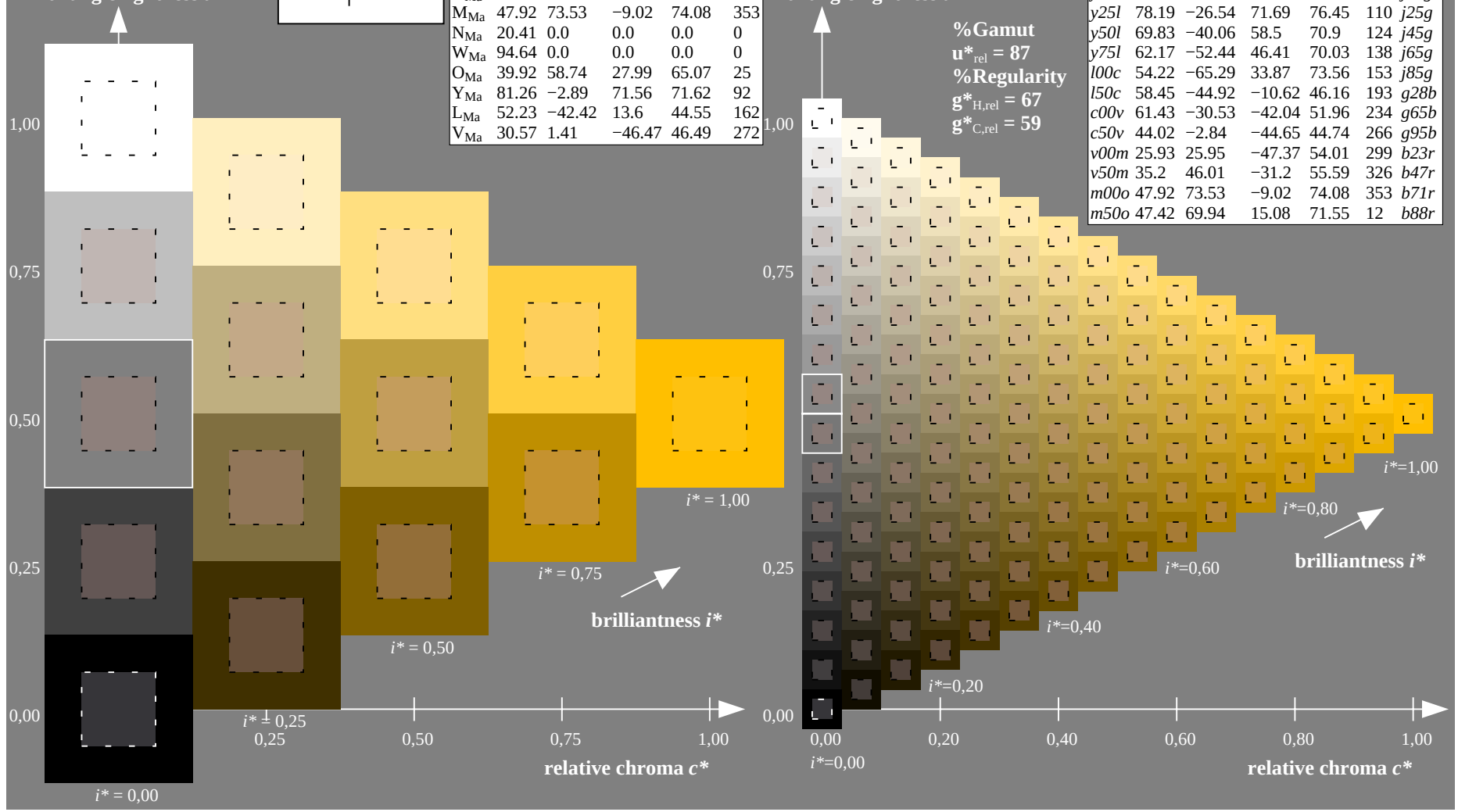
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 67$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.267$ **$u^*_d = y00l$**

data for any colour:

lab*tch** and *lab*icu*

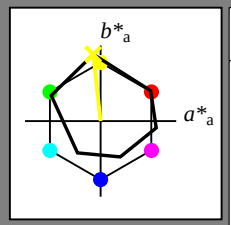
Hue texts:

$u^*_d = y00l$ $u^*_e = j06g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 89 −10 88**

***LAB*LCH**$_{Ma}$: 89 89 96**

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

***lab*rgb**$_{Ma}$: 0.94 1.0 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

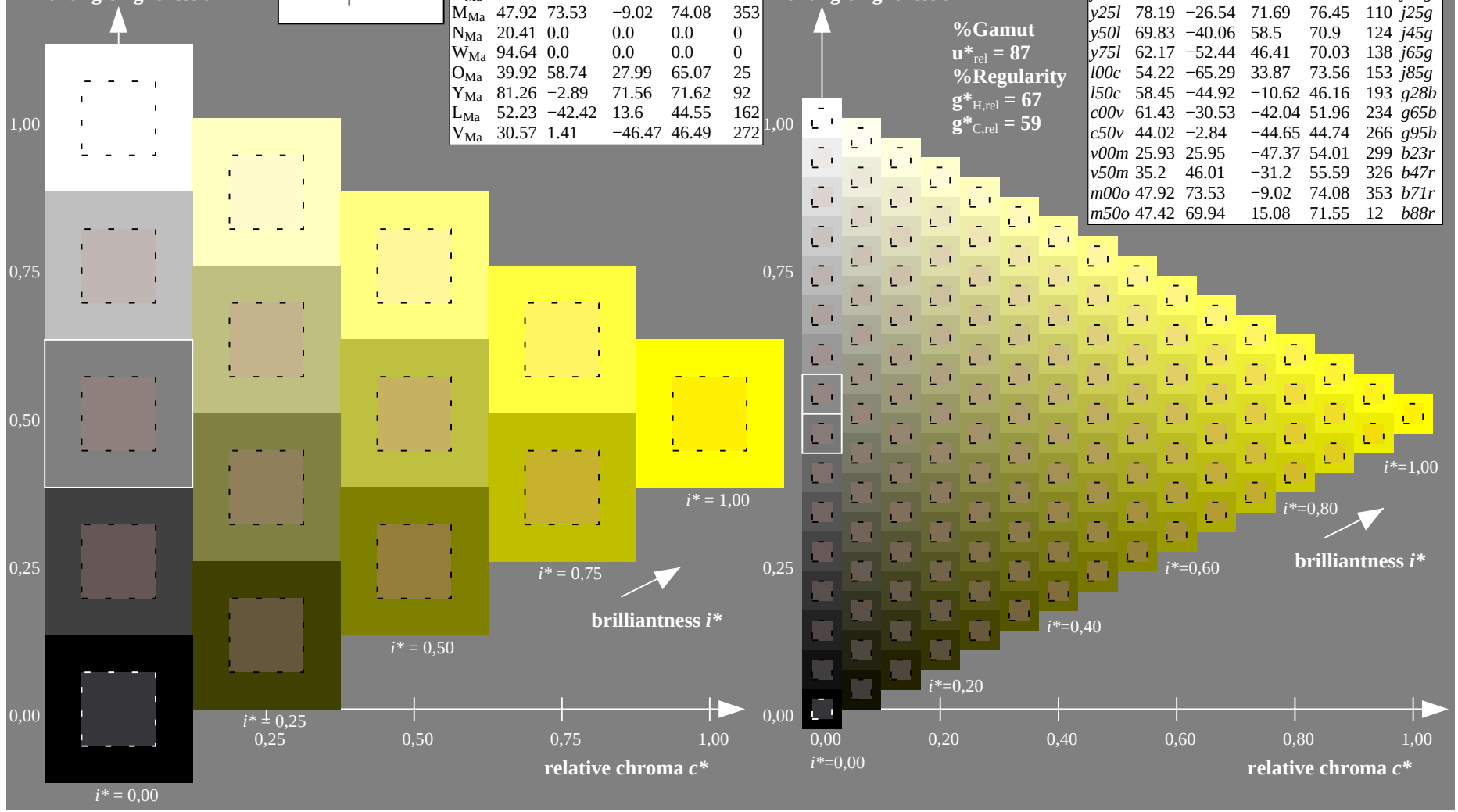
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.306$ $u^*_d = y25l$

data for any colour:

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

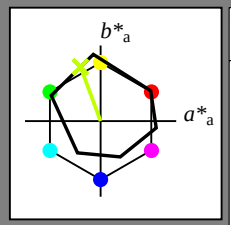
Hue texts:

$u^*_d = y25l$ $u^*_e = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 78 −27 72

$LAB^*LCH^*_{Ma}$: 78 76 110

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

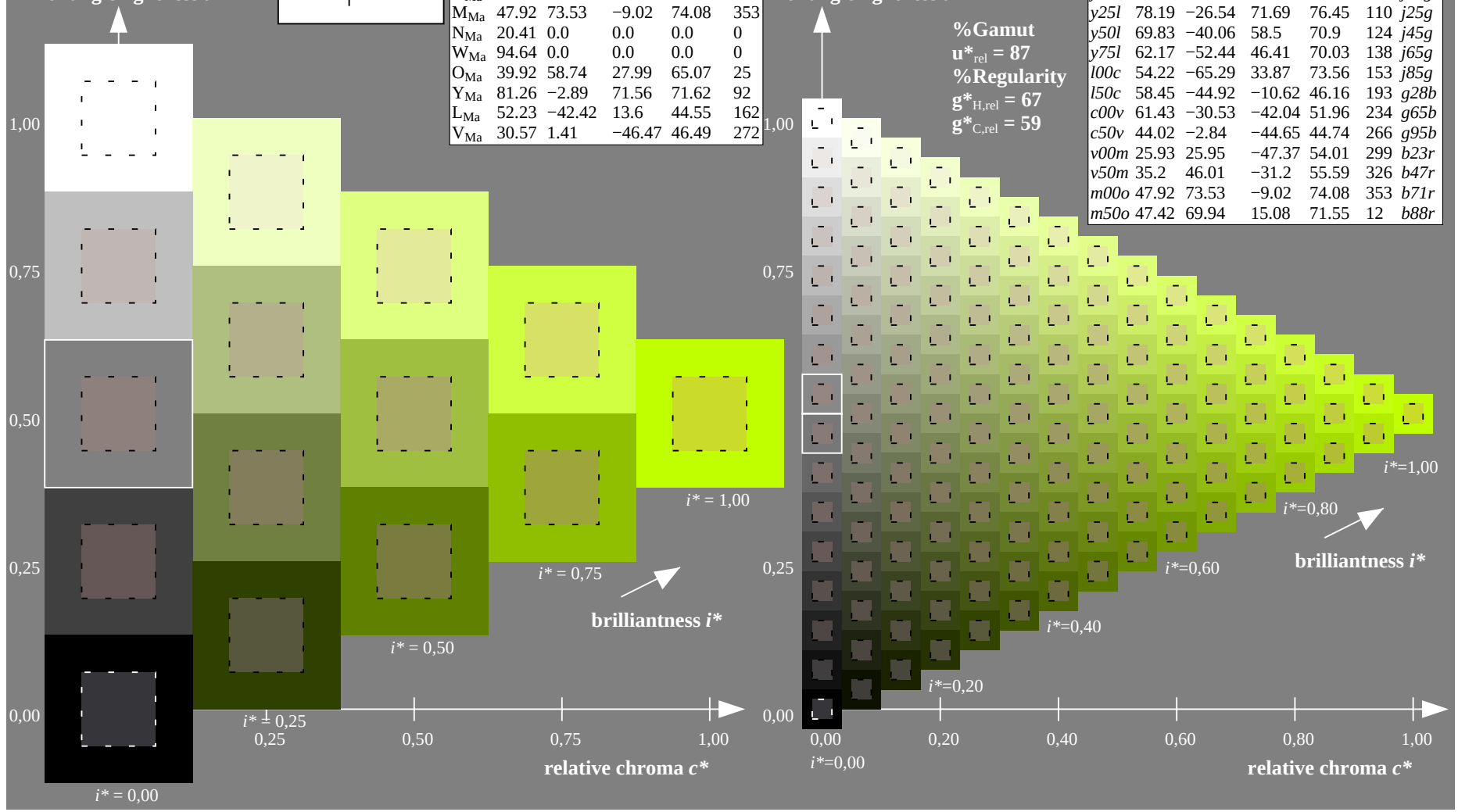
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.346$ $u^*_d = y50l$

data for any colour:

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

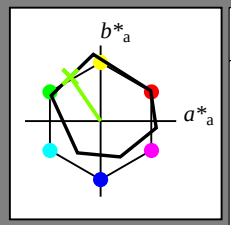
Hue texts:

$u^*_d = y50l$ $u^*_e = j45g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 70 −40 58

$LAB^*LCH^*_{Ma}$: 70 71 124

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

$lab^*rgb^*_{Ma}$: 0.54 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

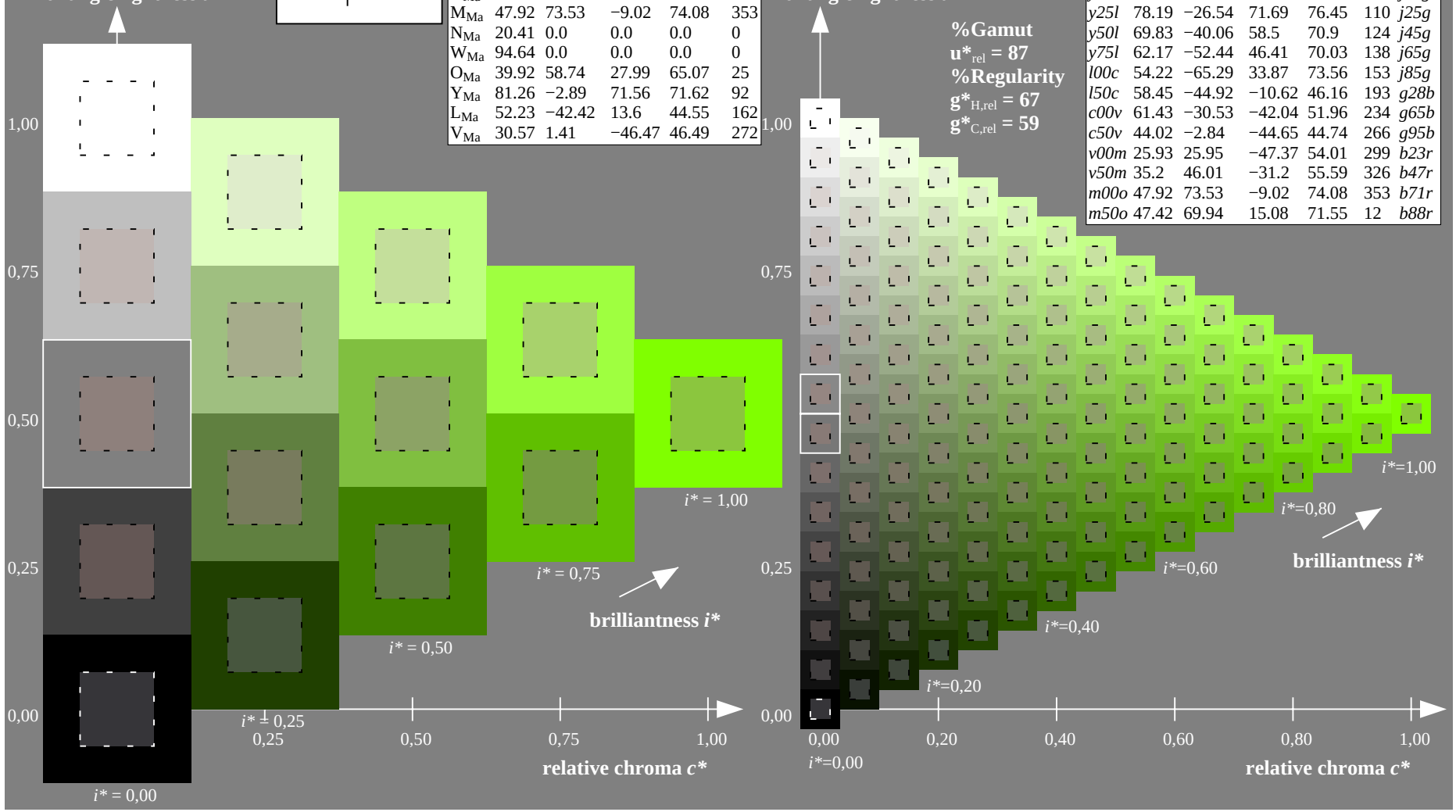
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.385$ **$u^*_d = y75l$**

data for any colour:

lab*tch** and *lab*icu*

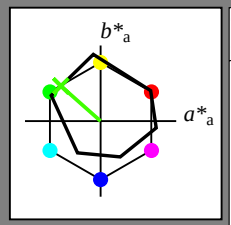
Hue texts:

$u^*_d = y75l$ $u^*_e = j65g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 62 −52 46**

***LAB*LCH**$_{Ma}$: 62 70 138**

***lab*olv**$_{Ma}$: 0.25 1.0 0.0**

***lab*rgb**$_{Ma}$: 0.34 1.0 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

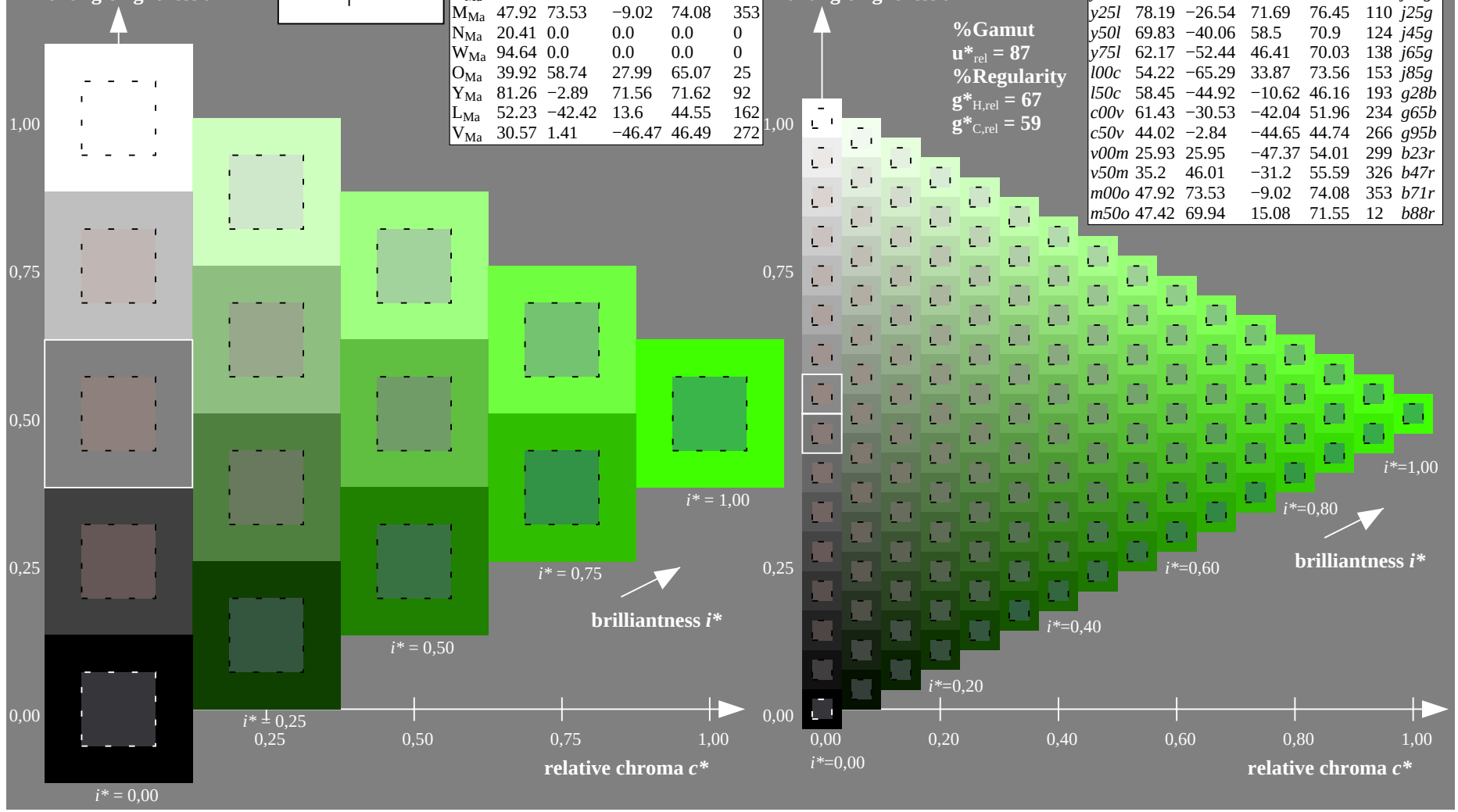
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 67$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.424$ **$u^*_d = l00c$**

data for any colour:

lab*tch** and *lab*icu*

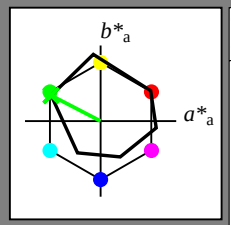
Hue texts:

$u^*_d = l00c$ $u^*_e = j85g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 54 −65 34**

***LAB*LCH**$_{Ma}$: 54 74 152**

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

***lab*rgb**$_{Ma}$: 0.14 1.0 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

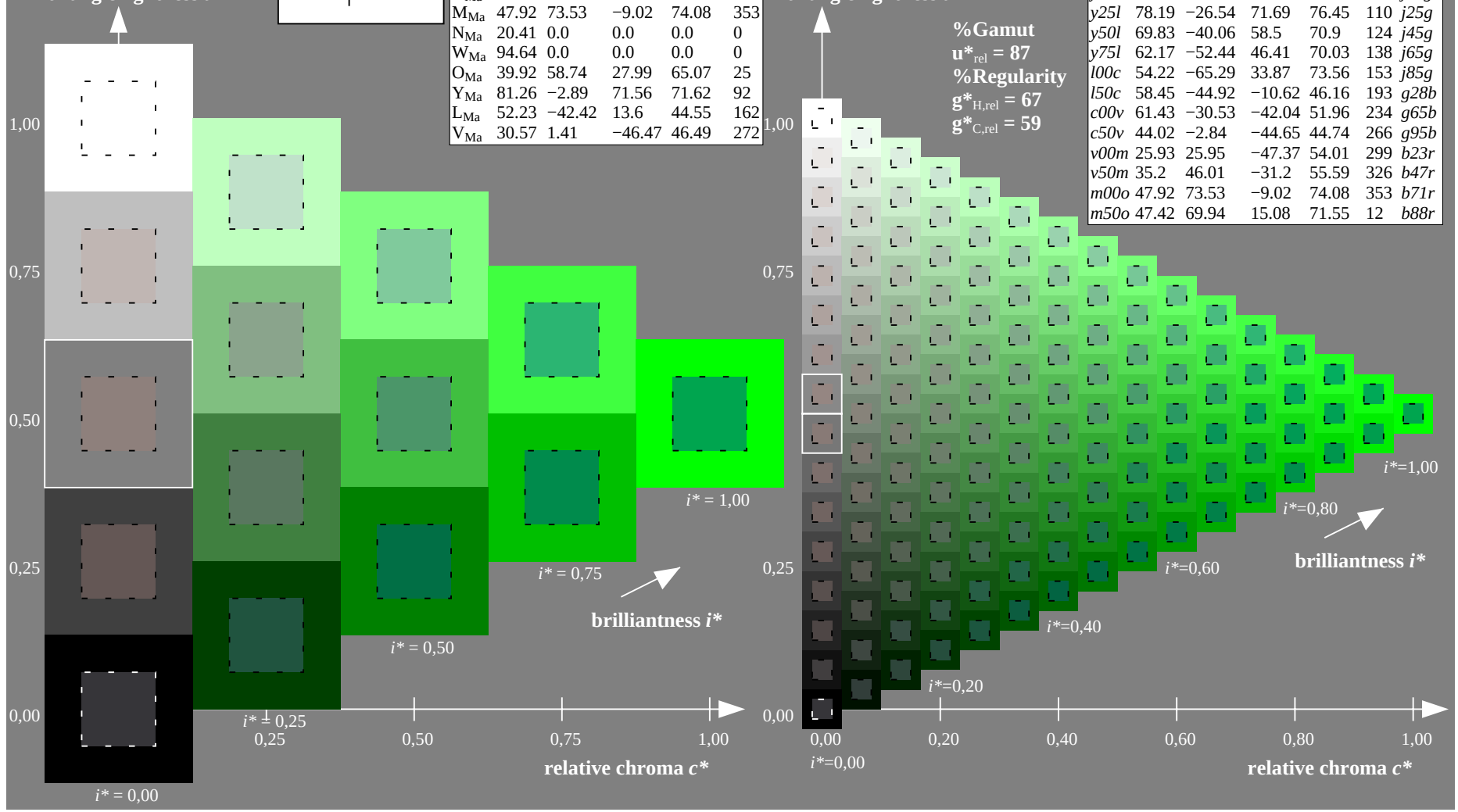
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 67$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.537$ **$u^*_d = l50c$**

data for any colour:

lab*tch** and *lab*icu*

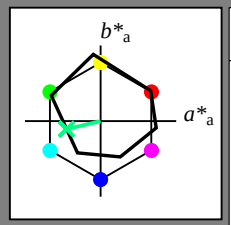
Hue texts:

$u^*_d = l50c$ $u^*_e = g28b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 58 −45 −11**

***LAB*LCH**$_{Ma}$: 58 46 193**

***lab*olv**$_{Ma}$: 0.0 1.0 0.5**

***lab*rgb**$_{Ma}$: 0.0 1.0 0.57**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

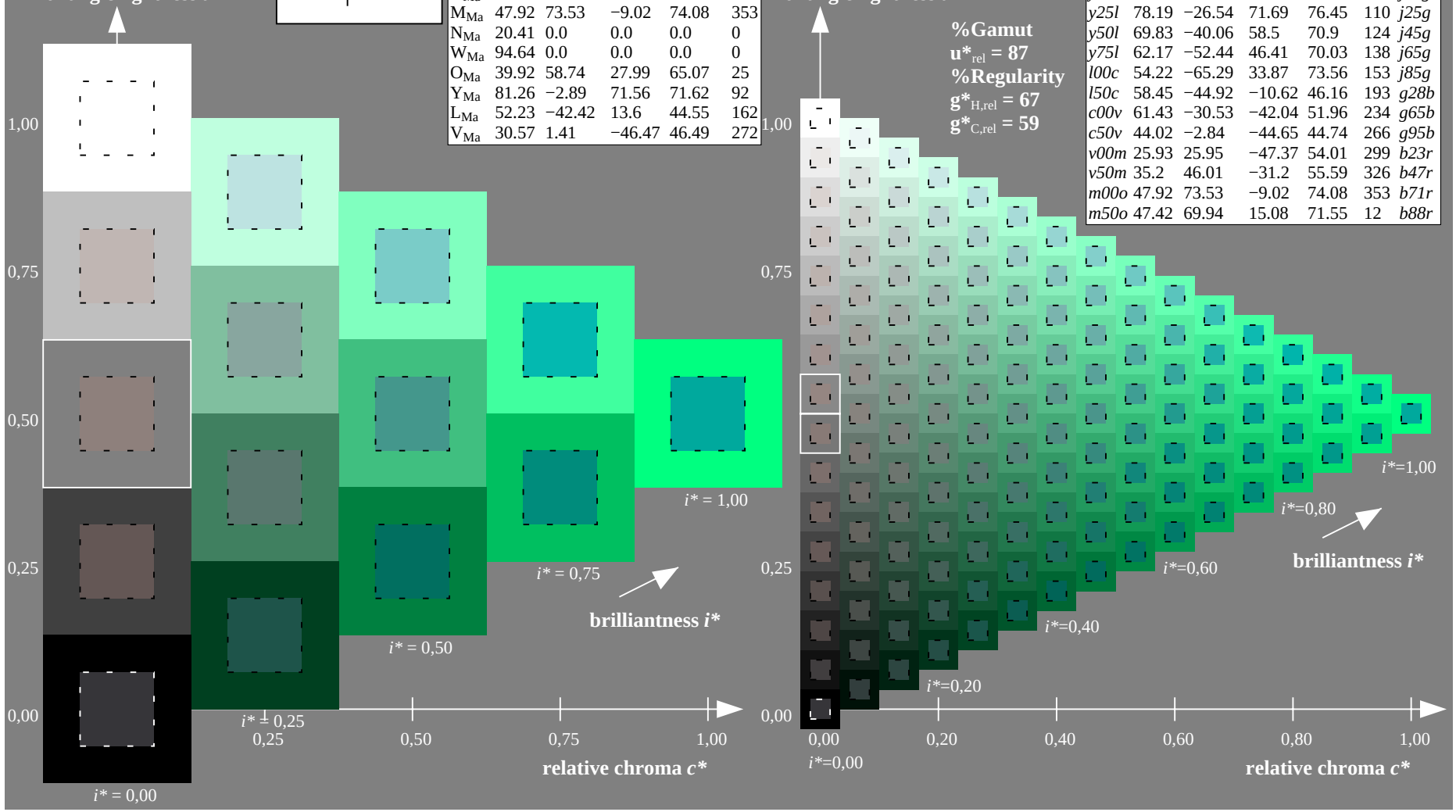
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 67$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.65$ $u^*_d = c00v$

data for any colour:

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

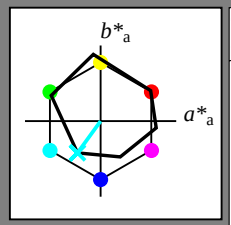
Hue texts:

$u^*_d = c00v$ $u^*_e = g65b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 61 −31 −42**

***LAB*LCH*Ma*: 61 52 234**

***lab*olv*Ma*: 0.0 1.0 1.0**

***lab*rgb*Ma*: 0.0 0.69 1.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

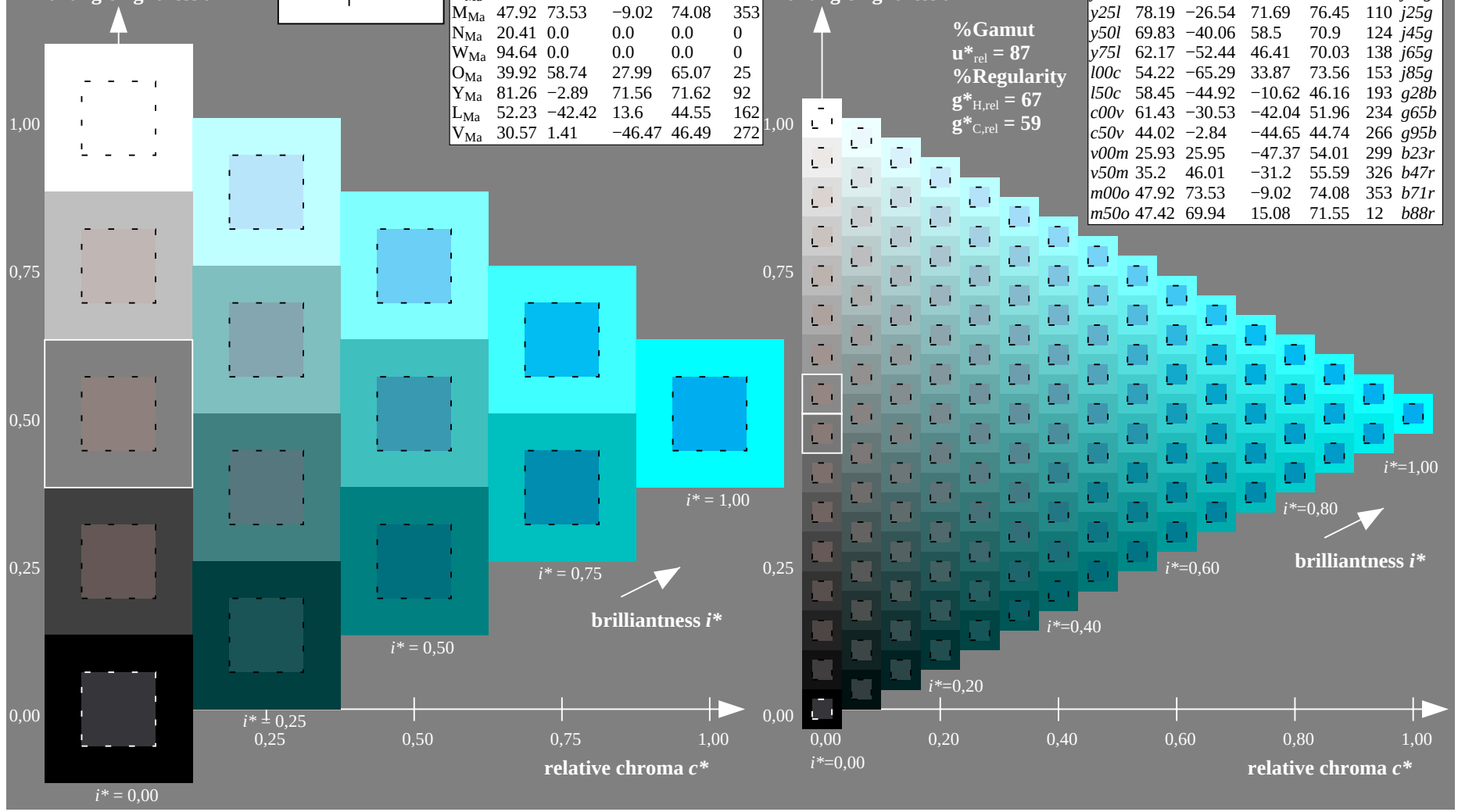
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.74$ **$u^*_d = c50v$**

data for any colour:

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

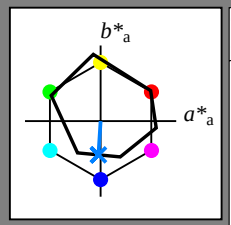
Hue texts:

$u^*_d = c50v$ $u^*_e = g95b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 44 −3 −45**

LAB*LCH*$_{Ma}$**: 44 45 266**

lab*olv*$_{Ma}$**: 0.0 0.5 1.0**

lab*rgb*$_{Ma}$**: 0.0 0.1 1.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

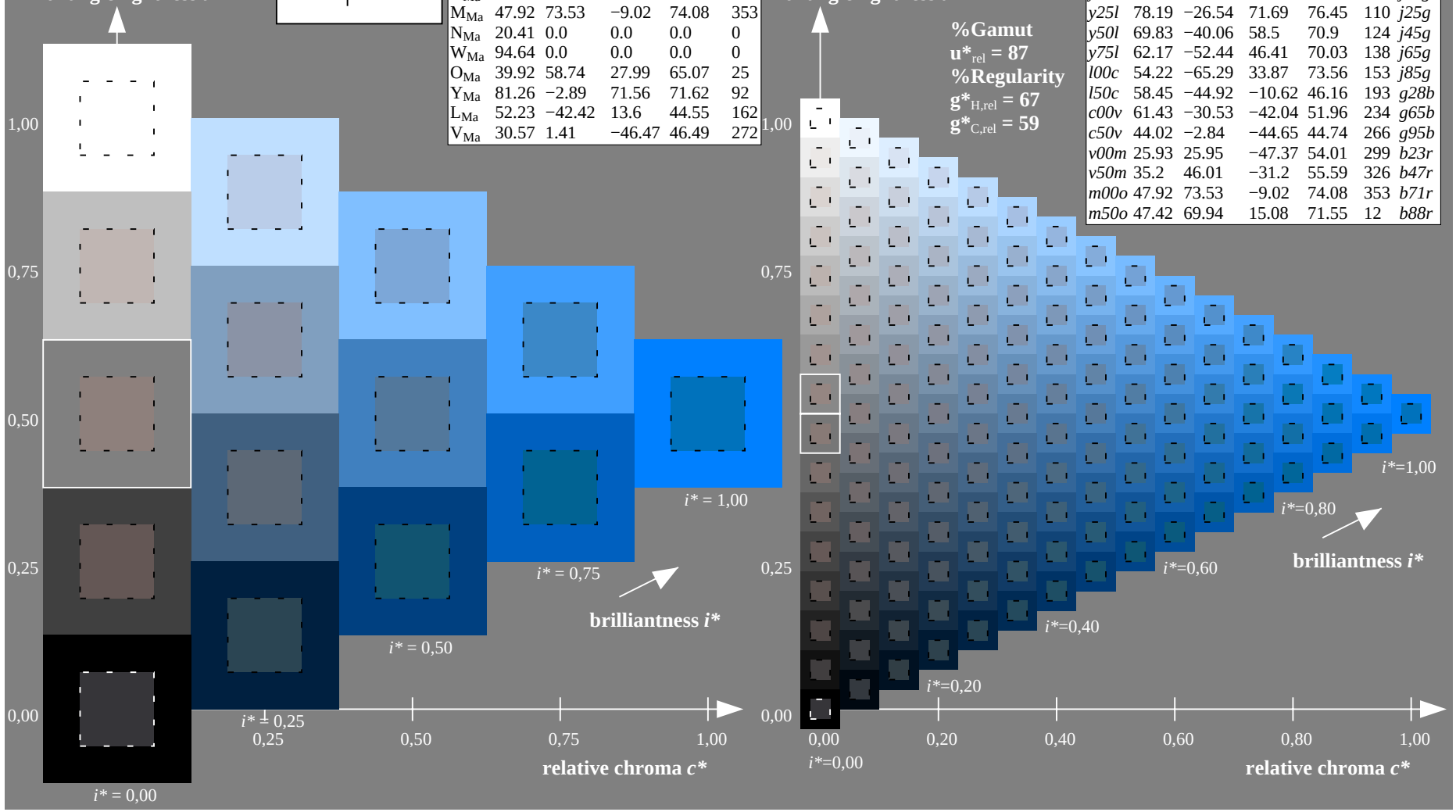
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.83$ **$u^*_d = v00m$**

data for any colour:

lab*tch** and *lab*icu*

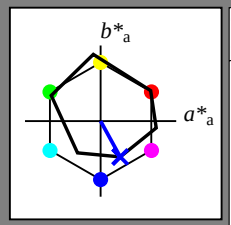
Hue texts:

$u^*_d = v00m$ $u^*_e = b23r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 26 26 −47**

***LAB*LCH**$_{Ma}$: 26 54 298**

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

***lab*rgb**$_{Ma}$: 0.47 0.0 1.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

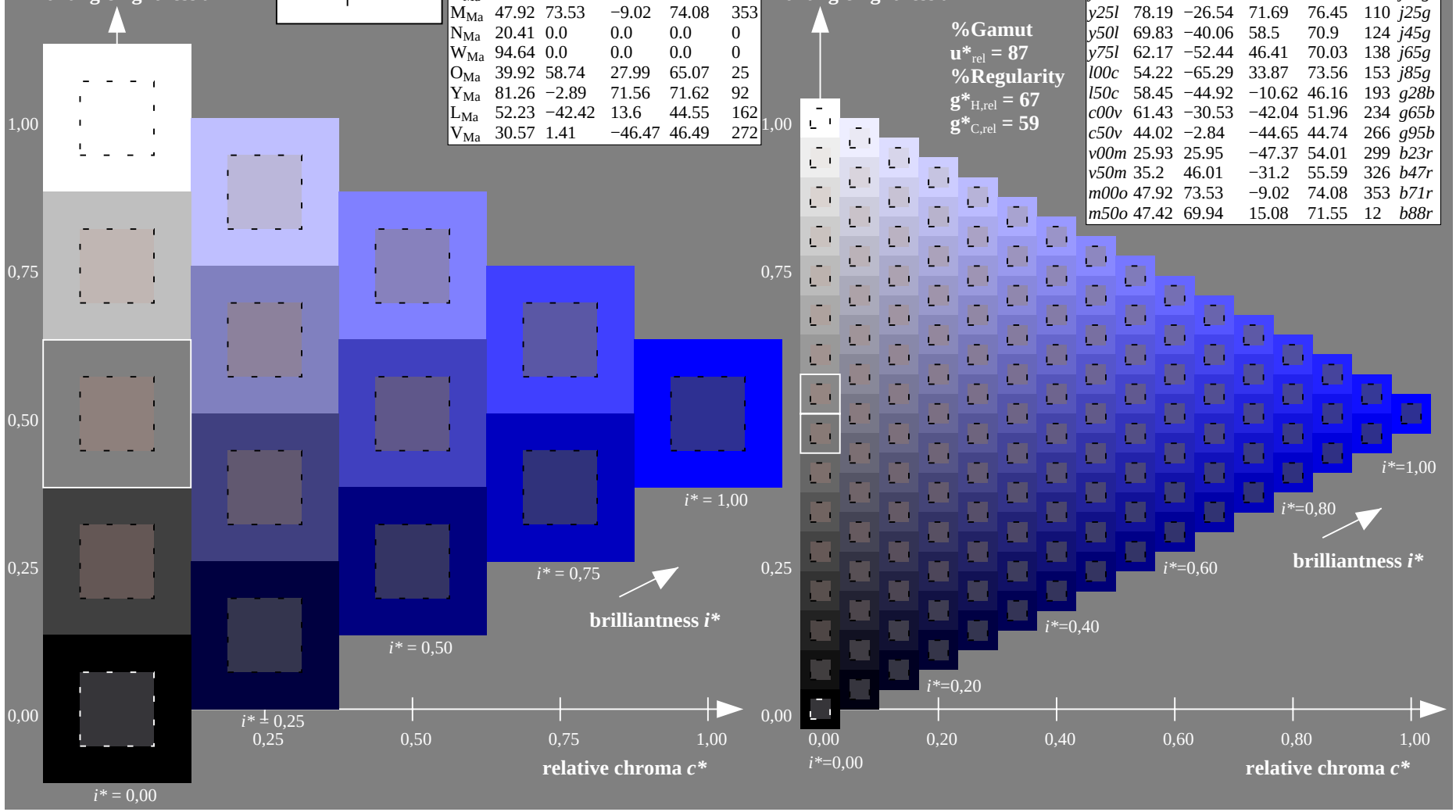
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 67$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.905$ **$u^*_d = v50m$**

data for any colour:

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

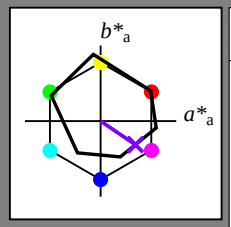
Hue texts:

$u^*_d = v50m$ $u^*_e = b47r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 35 46 −31**

***LAB*LCH**$_{Ma}$: 35 56 325**

***lab*olv**$_{Ma}$: 0.5 0.0 1.0**

***lab*rgb**$_{Ma}$: 0.95 0.0 1.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

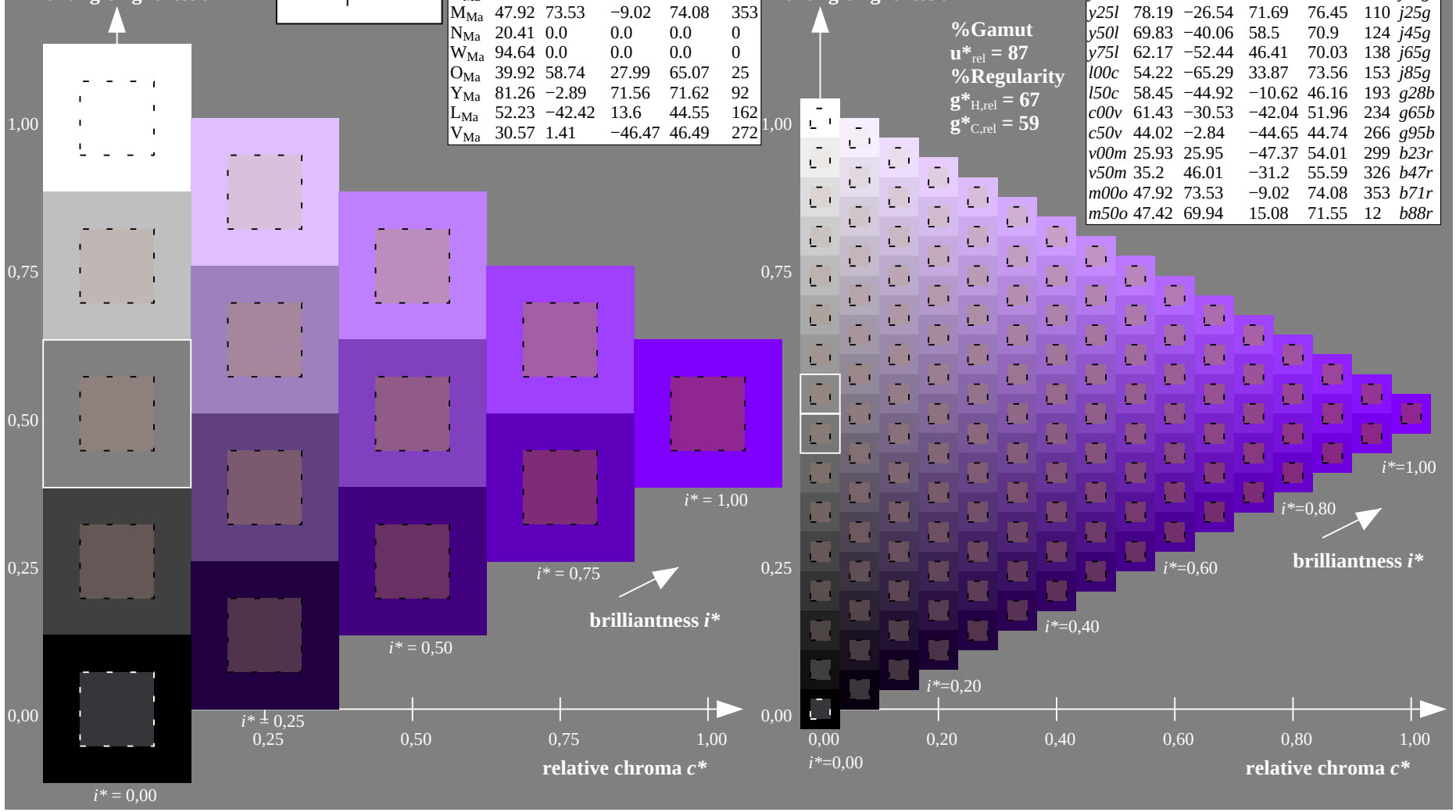
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 67$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.981$ **$u^*_d = m00o$**

data for any colour:

lab*tch** and *lab*icu*

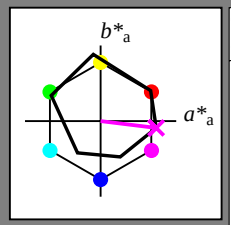
Hue texts:

$u^*_d = m00o$ $u^*_e = b71r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 48 74 −9**

***LAB*LCH**$_{Ma}$: 48 74 353**

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

***lab*rgb**$_{Ma}$: 1.0 0.0 0.57**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

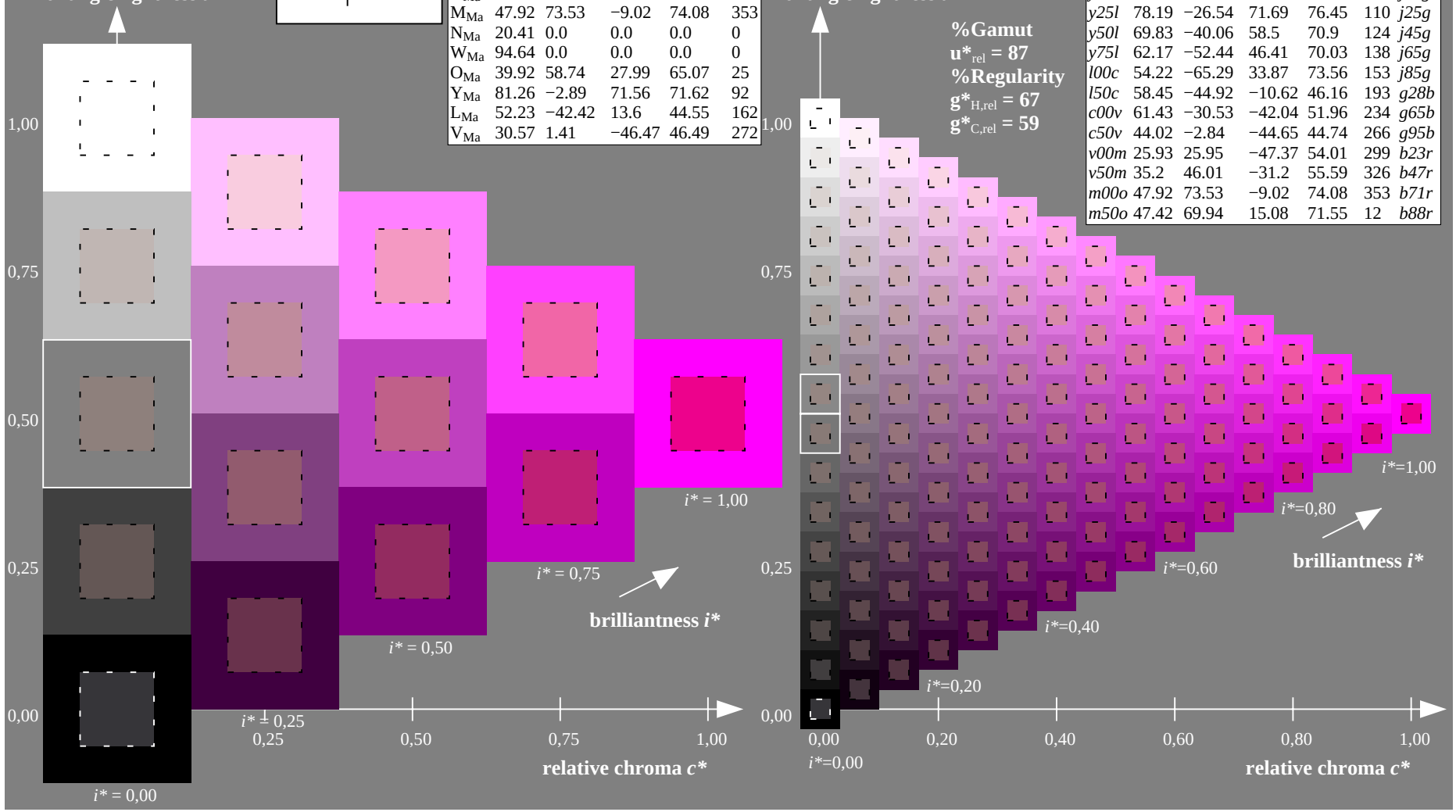
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 67$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.034$ **$u^*_d = m50o$**

data for any colour:

lab*tch** and *lab*icu*

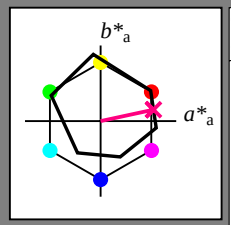
Hue texts:

$u^*_d = m50o$ $u^*_e = b88r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 47 70 15**

***LAB*LCH**$_{Ma}$: 47 72 12**

***lab*olv**$_{Ma}$: 1.0 0.0 0.5**

***lab*rgb**$_{Ma}$: 1.0 0.0 0.23**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

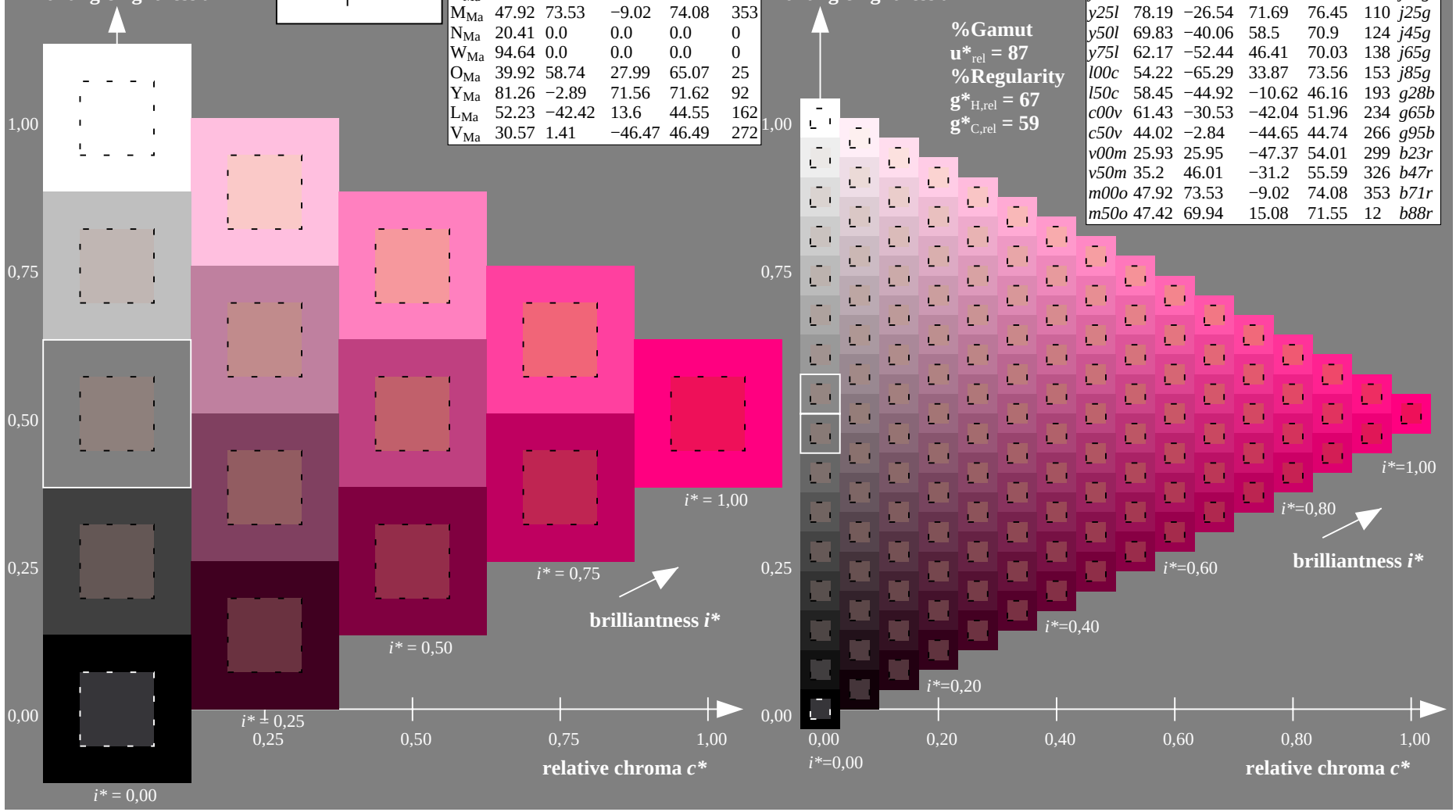
%Regularity

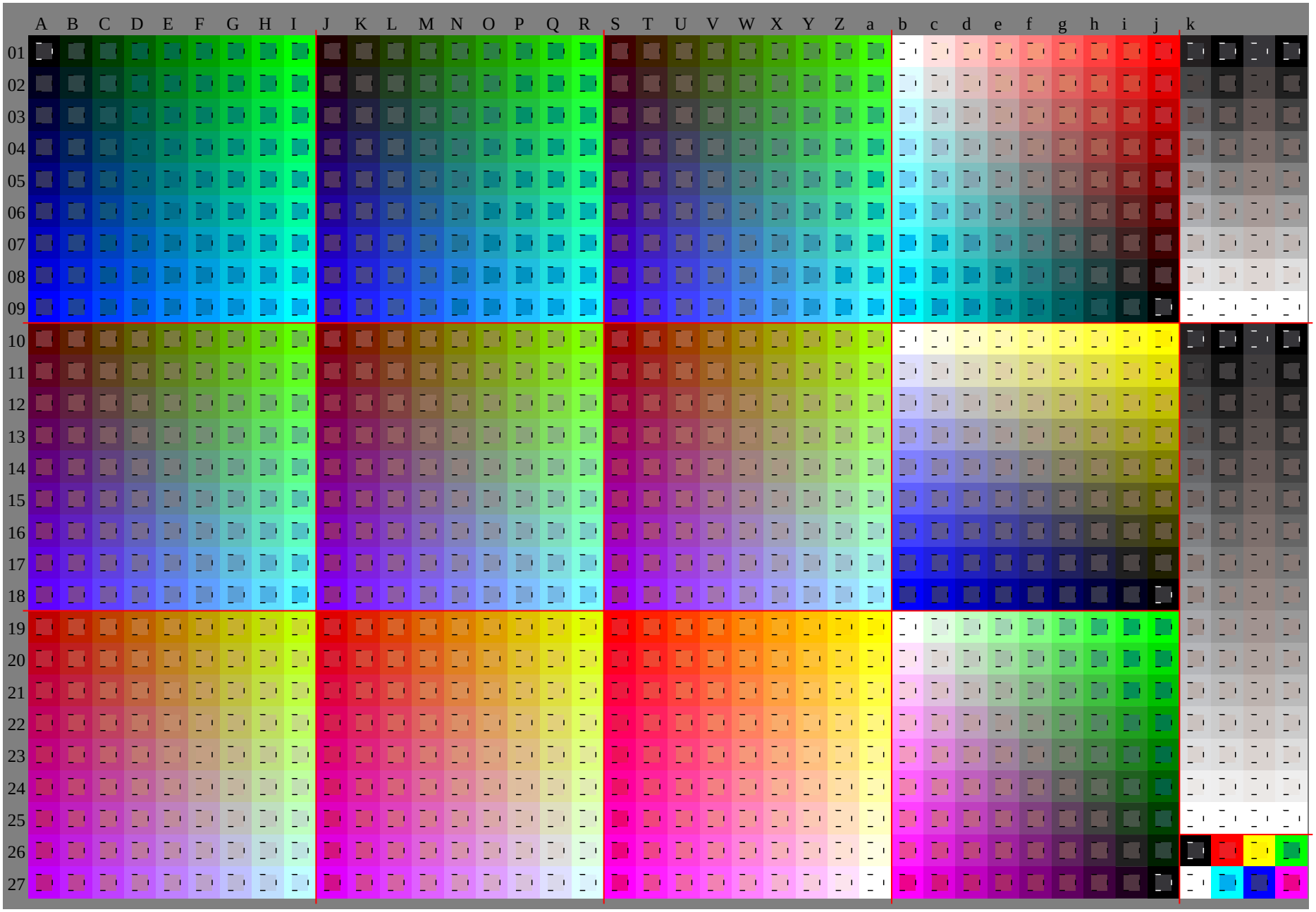
$g^*_{H,rel} = 67$

$g^*_{C,rel} = 67$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

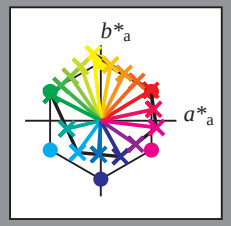



A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
u^*_d and number *no.* = 00 .. 15
device hue text:
u^*_d = 16 hues *o00y, o25y, ..., m50o*
contrast reduction factor:
c_R = 1.0

ORS20_95a; adapted (a) CIELAB data

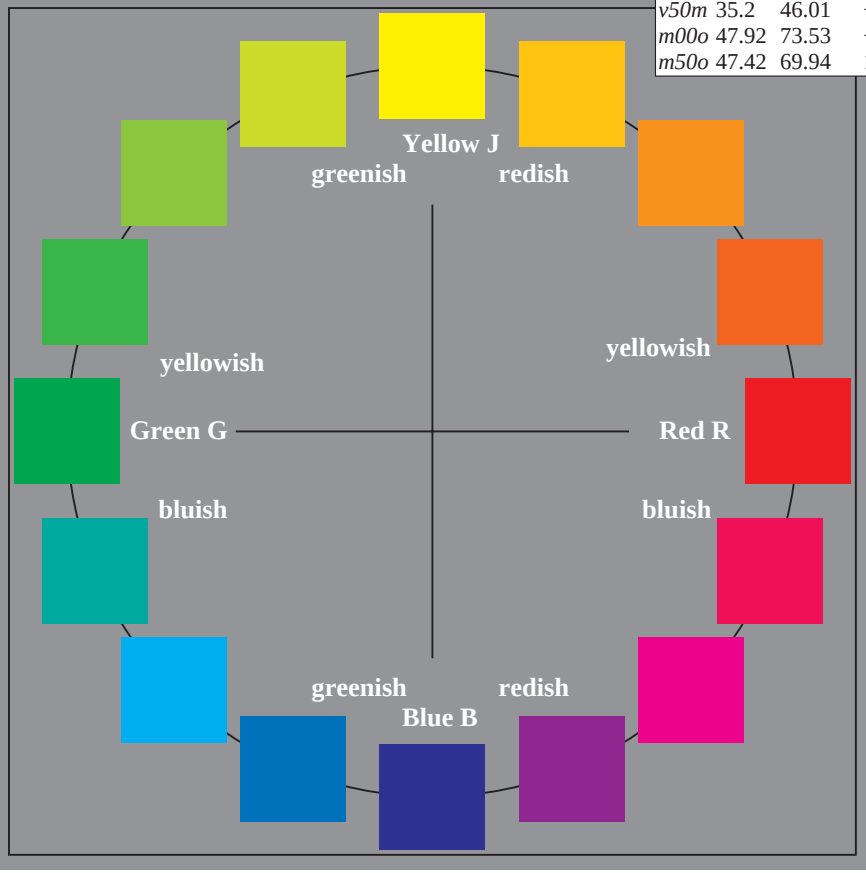
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

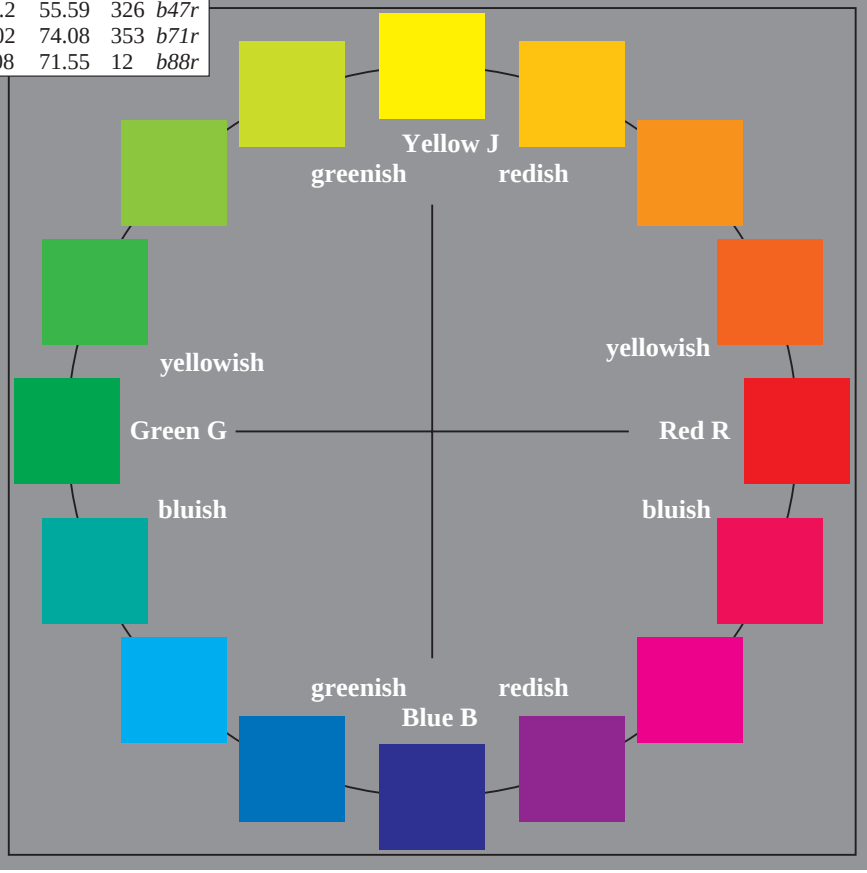


%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 67
$g^*_{C,rel}$ = 59

ORS20_95a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	−46.47	46.49	272





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$ $u^*_d = o00y$

data for any colour:

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

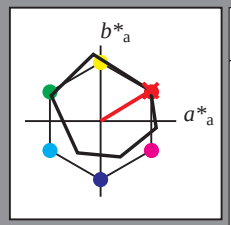
Hue texts:

$u^*_d = o00y$ $u^*_e = r09j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 66 40

$LAB^*LCH^*_{Ma}$: 47 77 31

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

$lab^*rgb^*_{Ma}$: 1.0 0.09 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

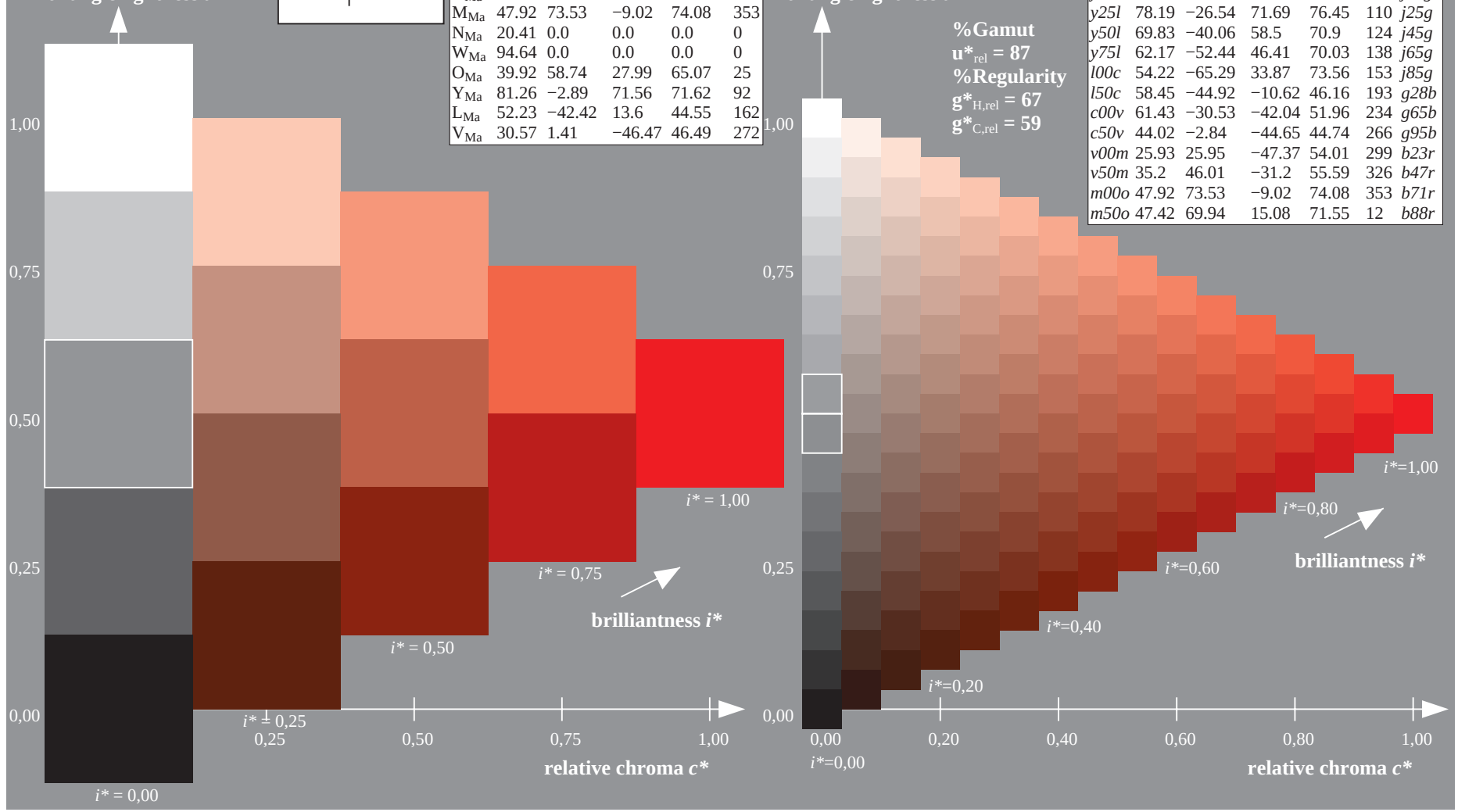
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$ $u^*_d = o25y$

data for any colour:

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

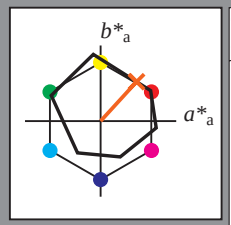
Hue texts:

$u^*_d = o25y$ $u^*_e = r33j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 57 48 52

$LAB^*LCH^*_{Ma}$: 57 71 47

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

$lab^*rgb^*_{Ma}$: 1.0 0.33 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

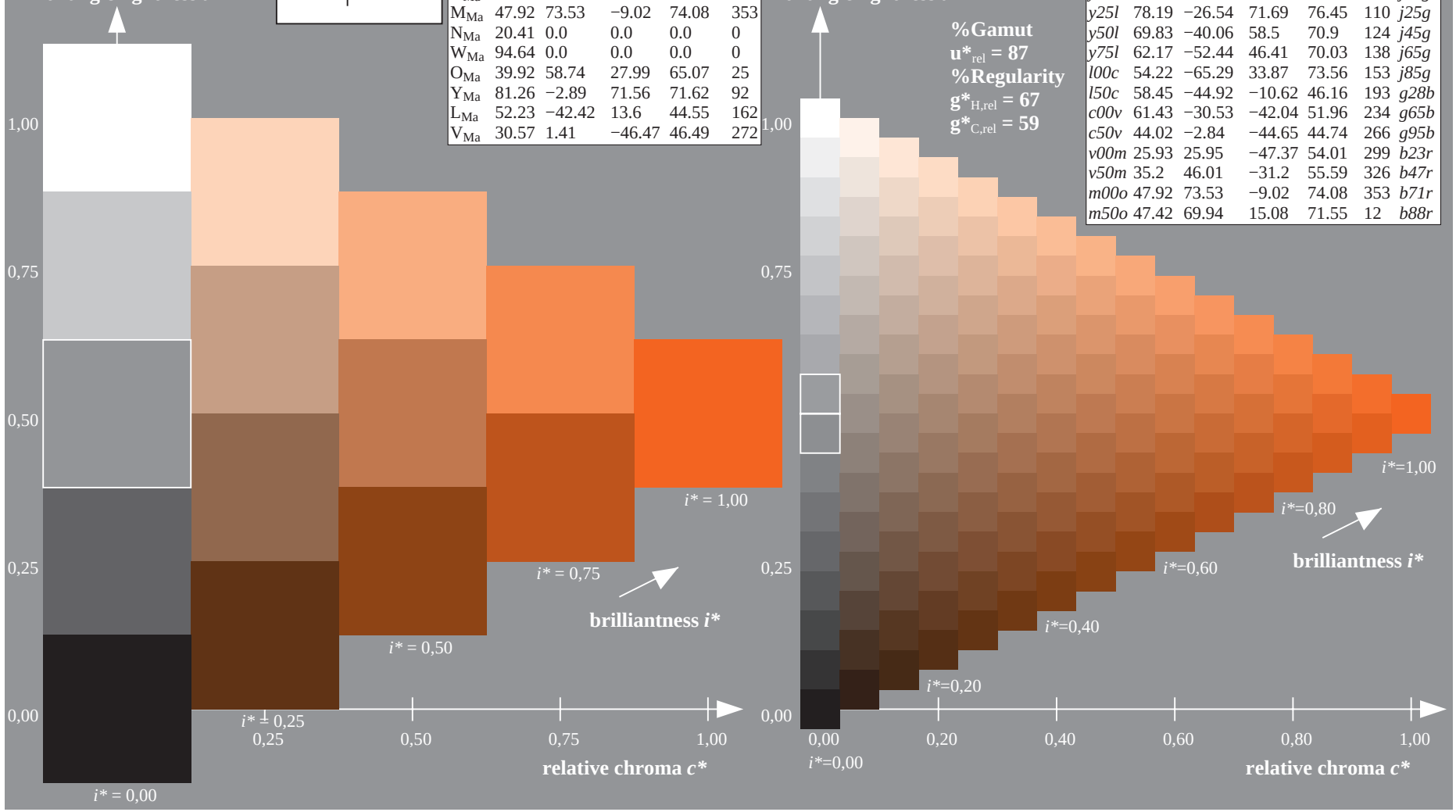
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.177$ $u^*_d = o50y$

data for any colour:

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

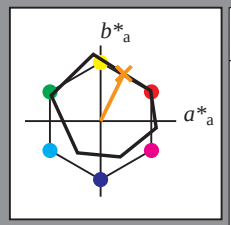
Hue texts:

$u^*_d = o50y$ $u^*_e = r57j$

contrast reduction factor:

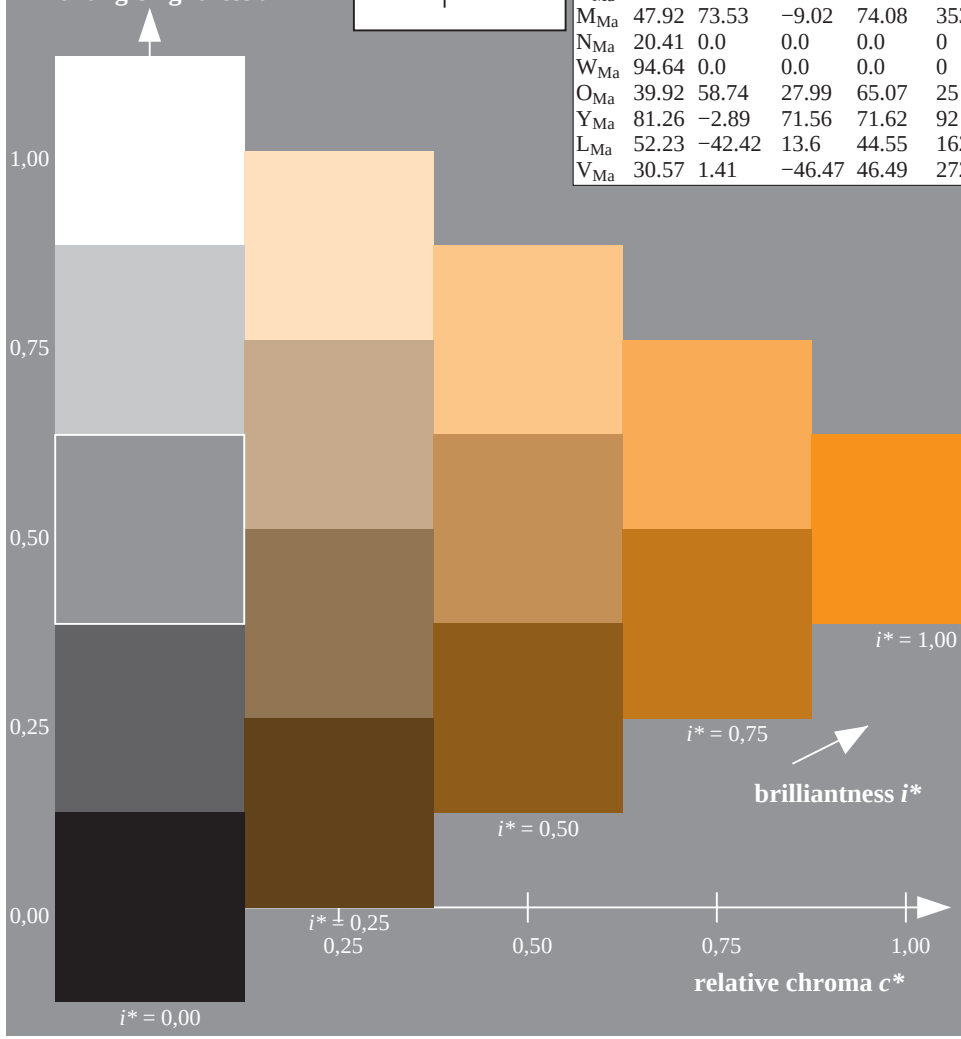
$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 66 31 63

$LAB^*LCH^*_{Ma}$: 66 70 63

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

$lab^*rgb^*_{Ma}$: 1.0 0.57 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

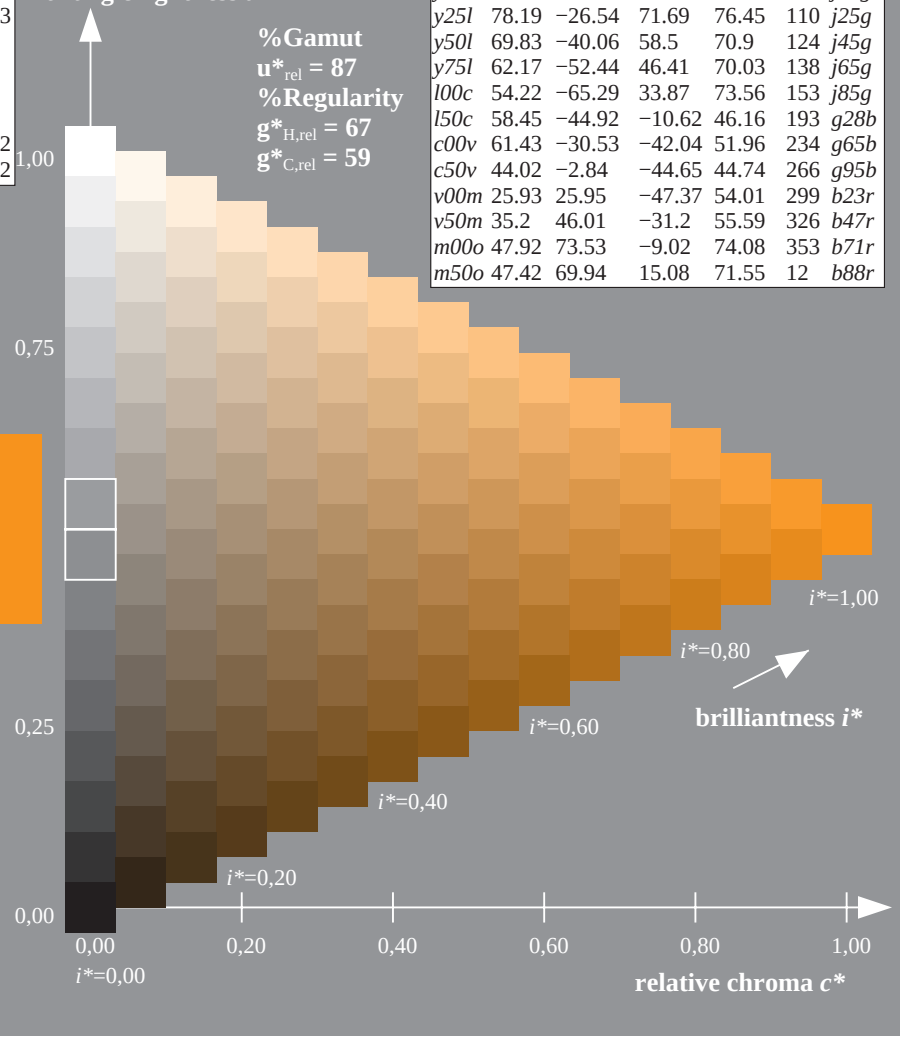
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.222$ $u^*_d = o75y$

data for any colour:

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

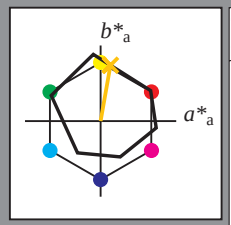
Hue texts:

$u^*_d = o75y$ $u^*_e = r81j$

contrast reduction factor:

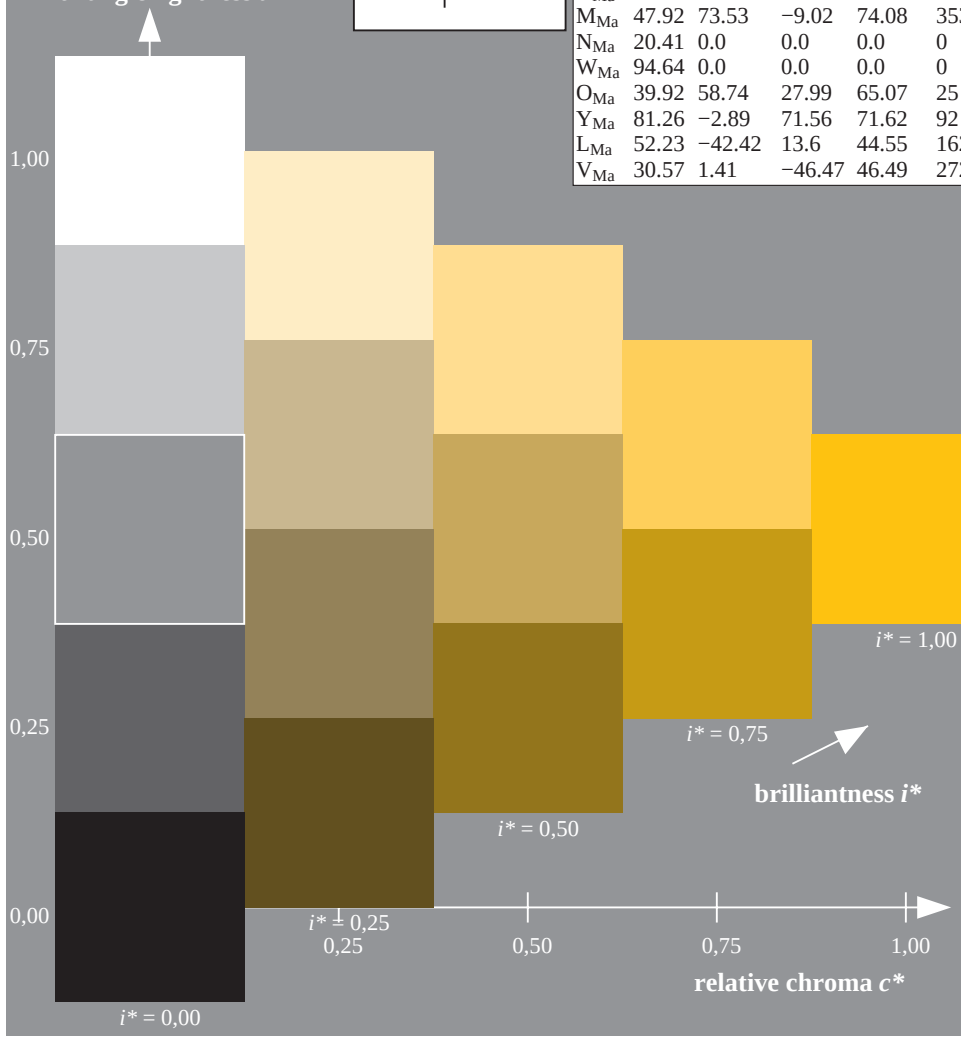
$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 76 13 74

$LAB^*LCH^*_{Ma}$: 76 75 79

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

$lab^*rgb^*_{Ma}$: 1.0 0.82 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

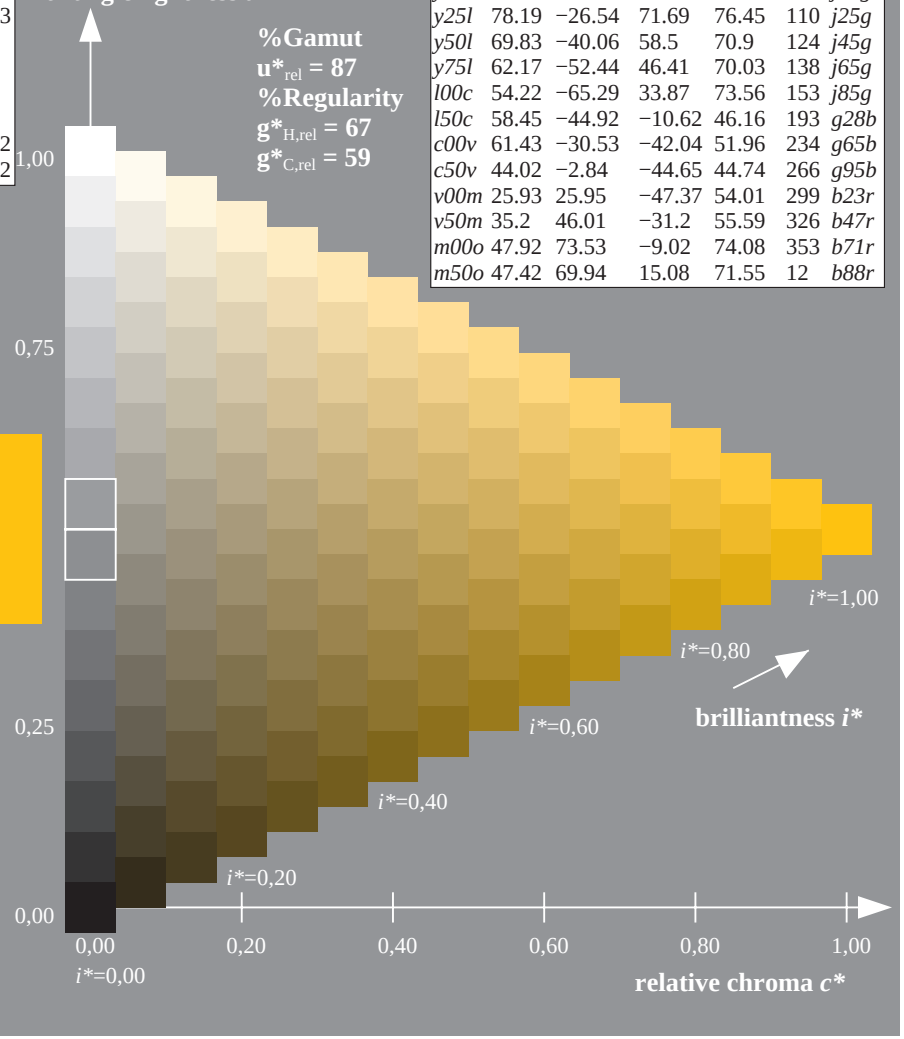
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.267$ $u^*_d = y00l$

data for any colour:

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

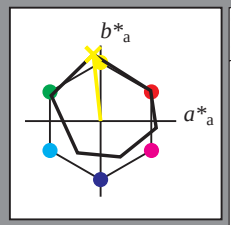
Hue texts:

$u^*_d = y00l$ $u^*_e = j06g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 89 −10 88

$LAB^*LCH^*_{Ma}$: 89 89 96

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

$lab^*rgb^*_{Ma}$: 0.94 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

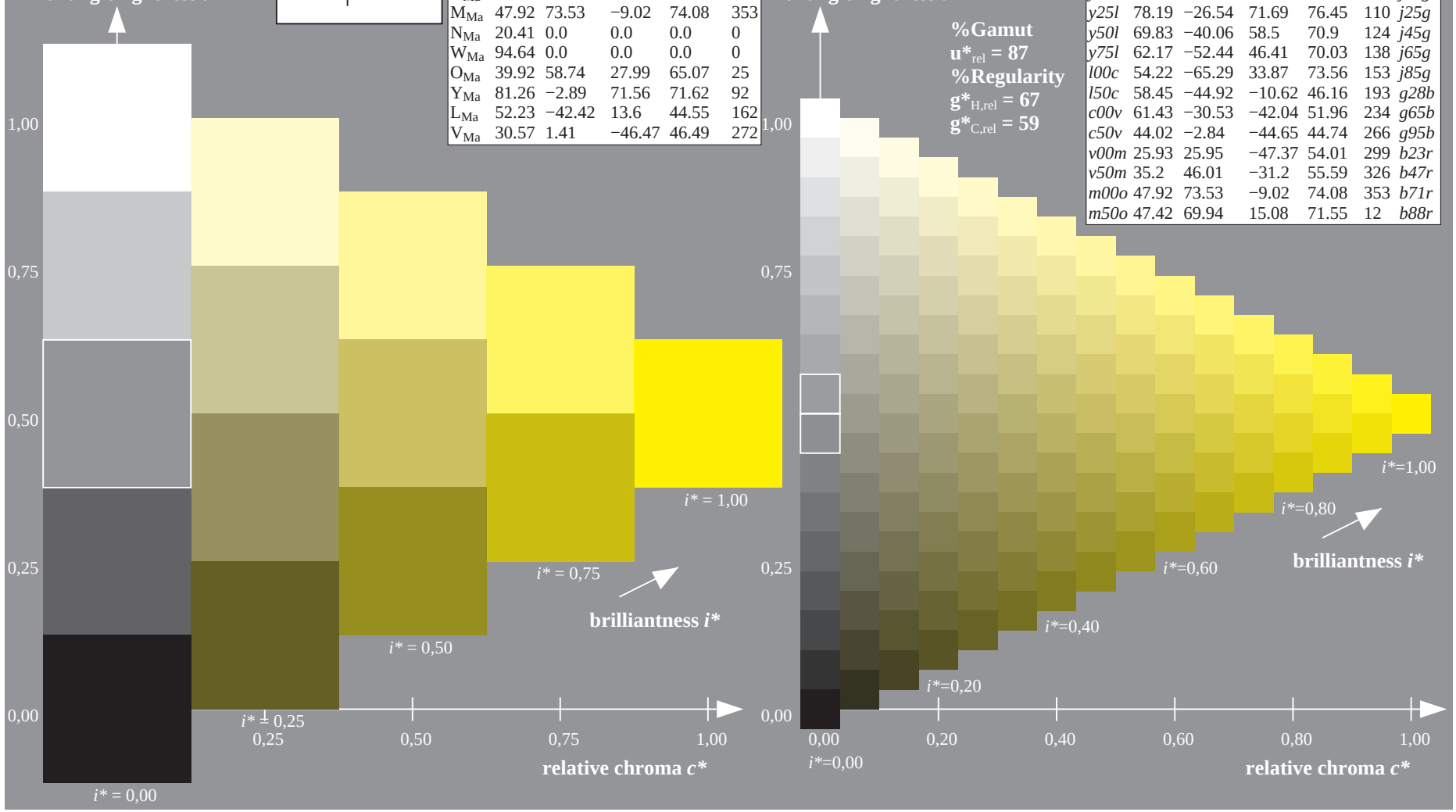
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.306$ $u^*_d = y25l$

data for any colour:

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

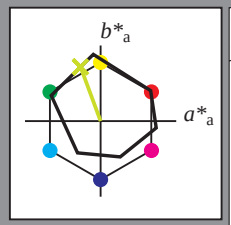
Hue texts:

$u^*_d = y25l$ $u^*_e = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 78 −27 72

$LAB^*LCH^*_{Ma}$: 78 76 110

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

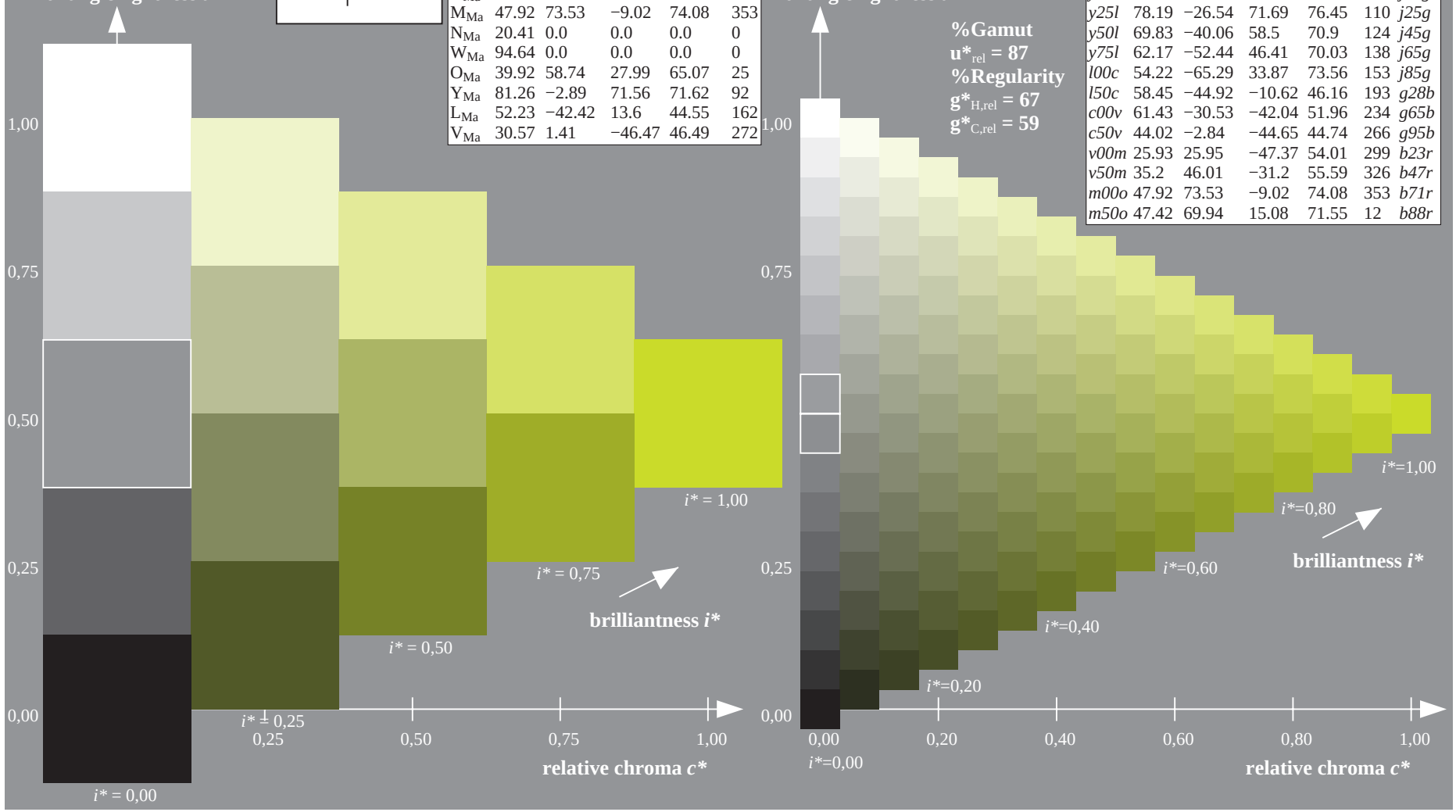
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.346$ $u^*_d = y50l$

data for any colour:

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

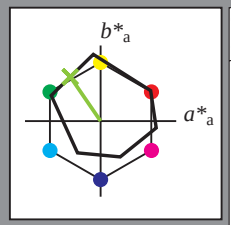
Hue texts:

$u^*_d = y50l$ $u^*_e = j45g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 70 −40 58

$LAB^*LCH^*_{Ma}$: 70 71 124

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

$lab^*rgb^*_{Ma}$: 0.54 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

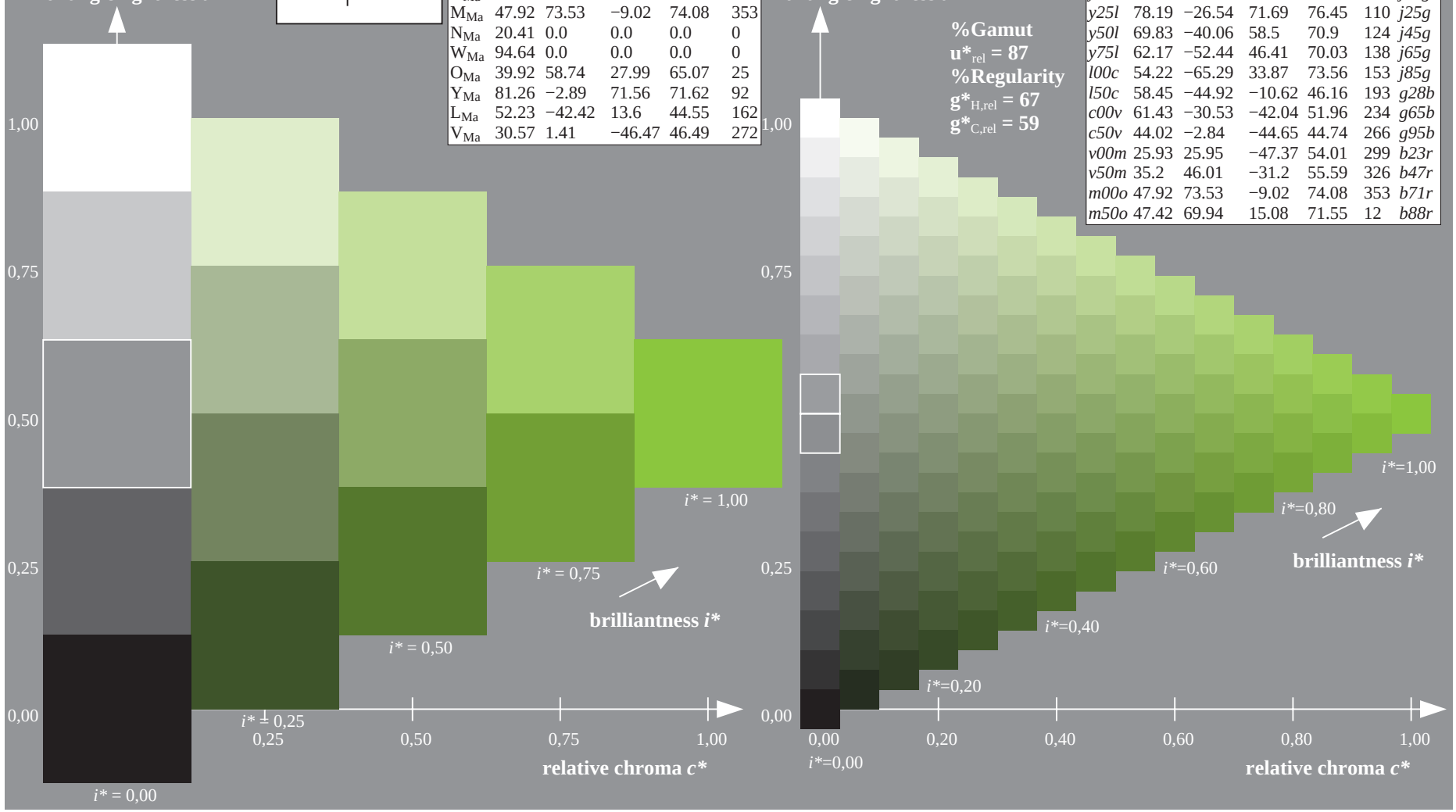
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.385$ $u^*_d = y75l$

data for any colour:

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

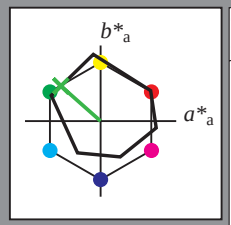
Hue texts:

$u^*_d = y75l$ $u^*_e = j65g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 62 −52 46

$LAB^*LCH^*_{Ma}$: 62 70 138

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

$lab^*rgb^*_{Ma}$: 0.34 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

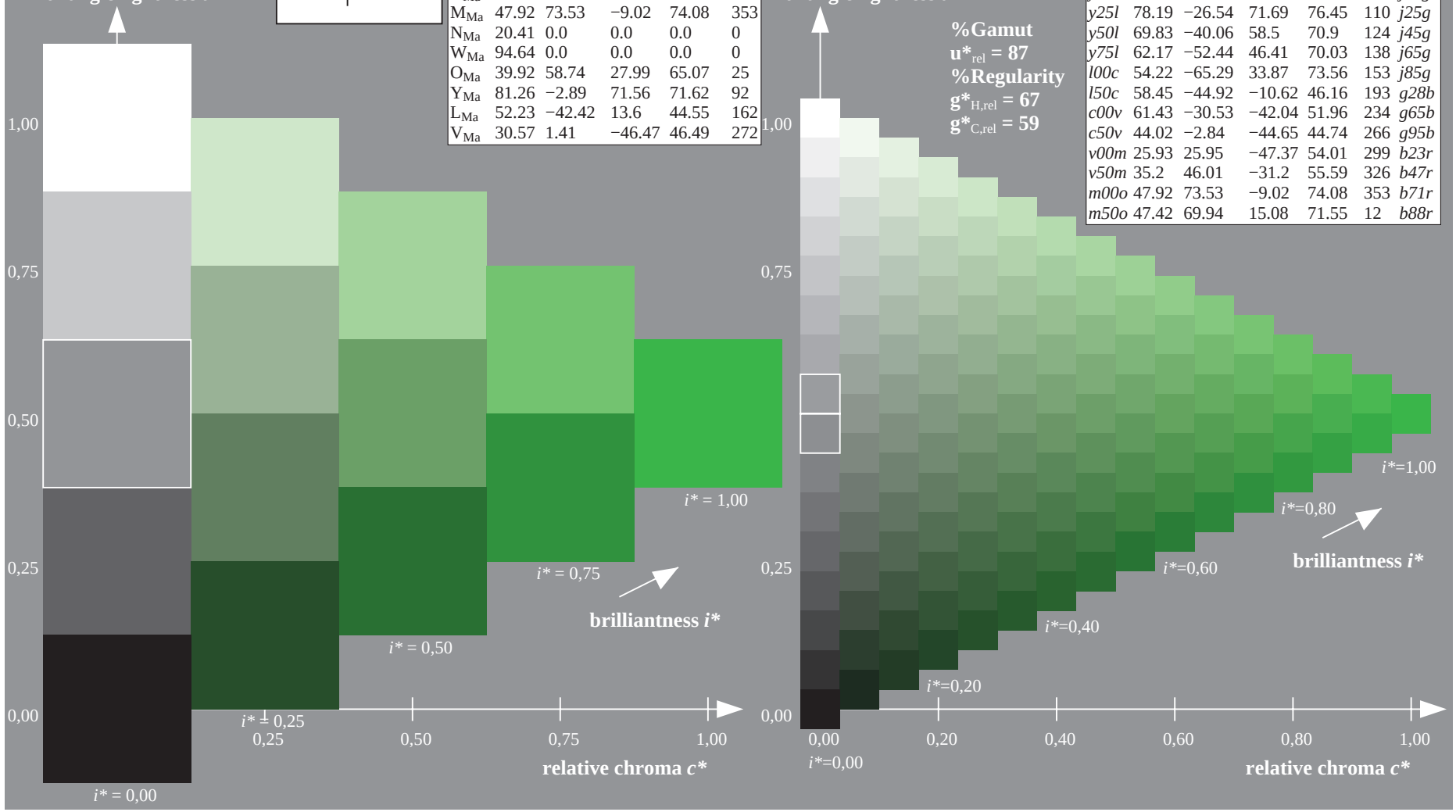
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.424$ $u^*_d = l00c$

data for any colour:

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

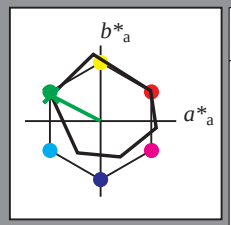
Hue texts:

$u^*_d = l00c$ $u^*_e = j85g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 54 −65 34

$LAB^*LCH^*_{Ma}$: 54 74 152

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

$lab^*rgb^*_{Ma}$: 0.14 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

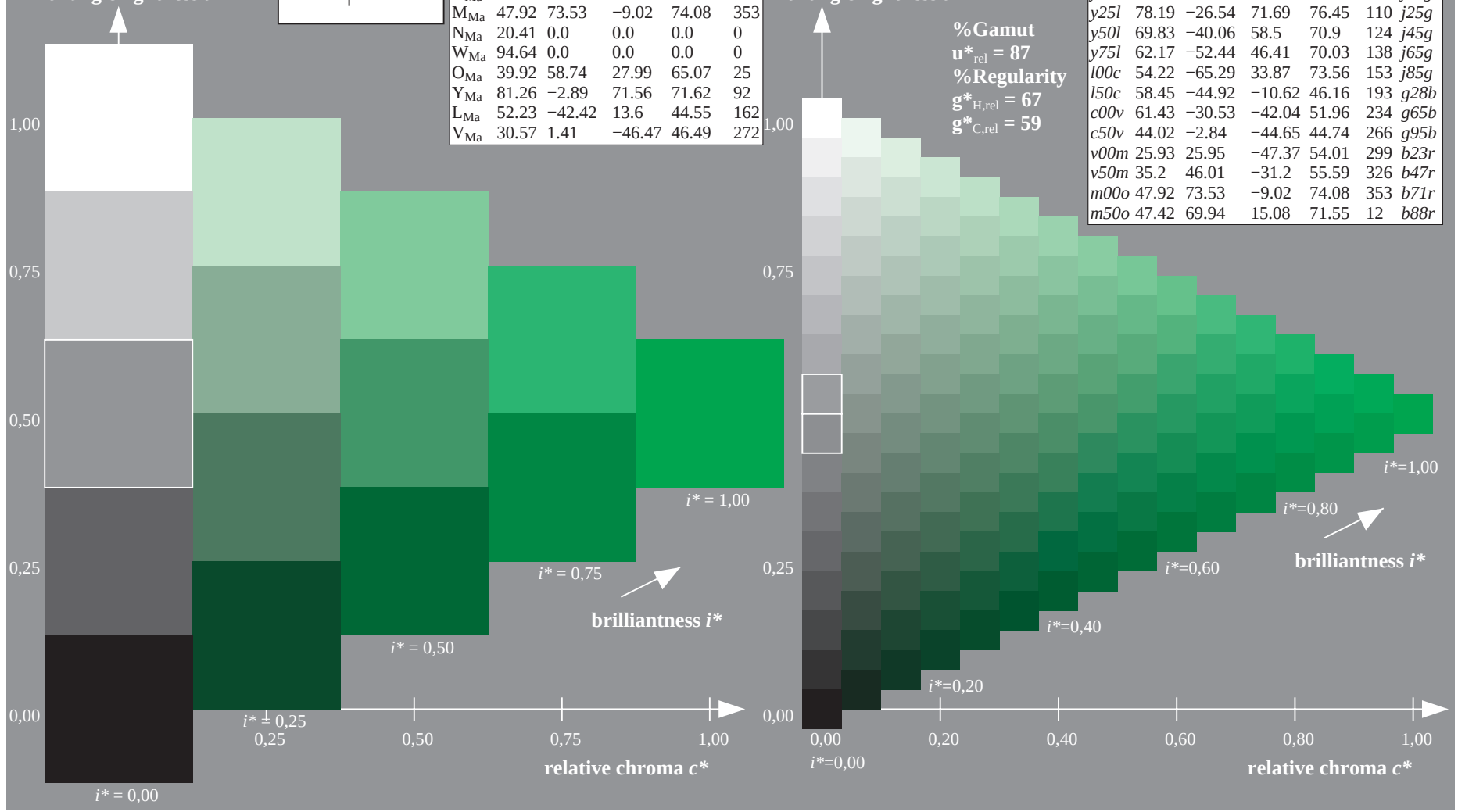
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.537$ $u^*_d = l50c$

data for any colour:

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

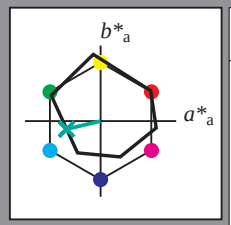
Hue texts:

$u^*_d = l50c$ $u^*_e = g28b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 −45 −11

$LAB^*LCH^*_{Ma}$: 58 46 193

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

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.57

triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

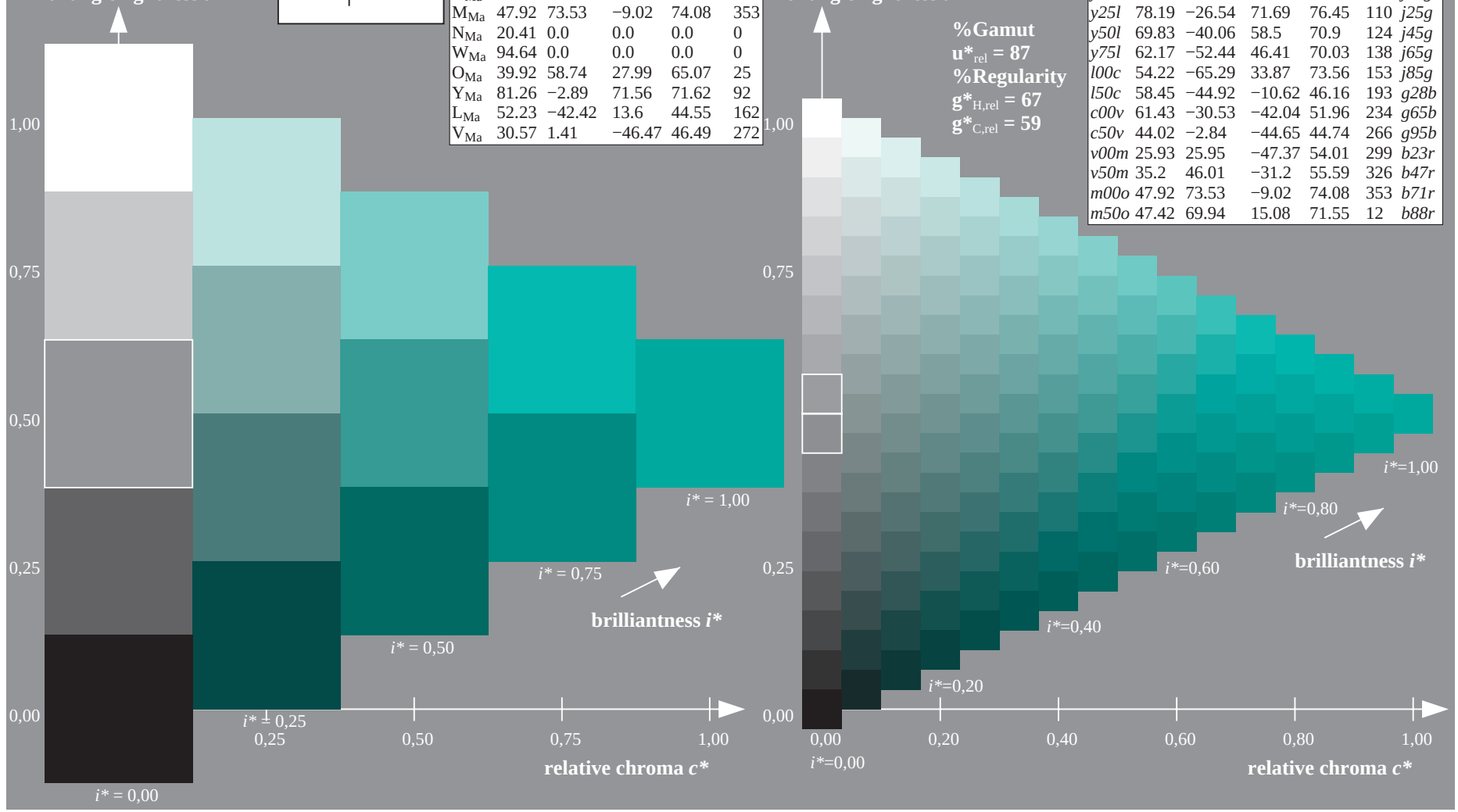
%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.65$ $u^*_d = c00v$

data for any colour:

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

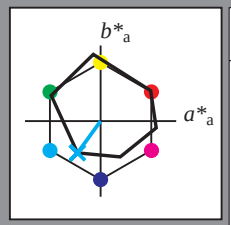
Hue texts:

$u^*_d = c00v$ $u^*_e = g65b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 61 −31 −42

$LAB^*LCH^*_{Ma}$: 61 52 234

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

$lab^*rgb^*_{Ma}$: 0.0 0.69 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

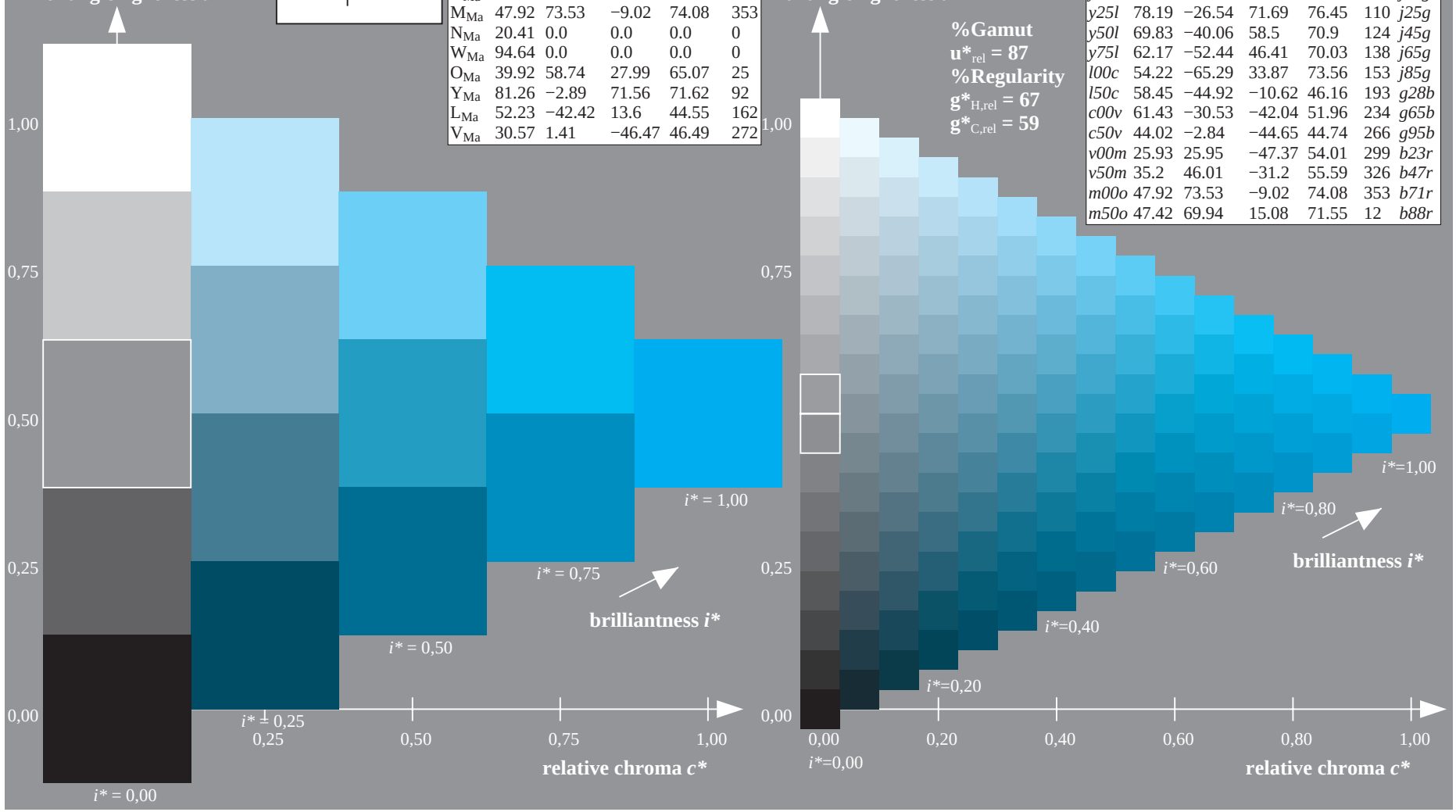
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.74$ $u^*_d = c50v$

data for any colour:

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

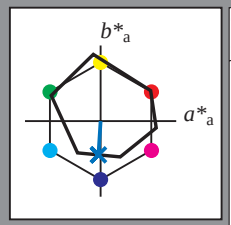
Hue texts:

$u^*_d = c50v$ $u^*_e = g95b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 44 −3 −45

$LAB^*LCH^*_{Ma}$: 44 45 266

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

$lab^*rgb^*_{Ma}$: 0.0 0.1 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

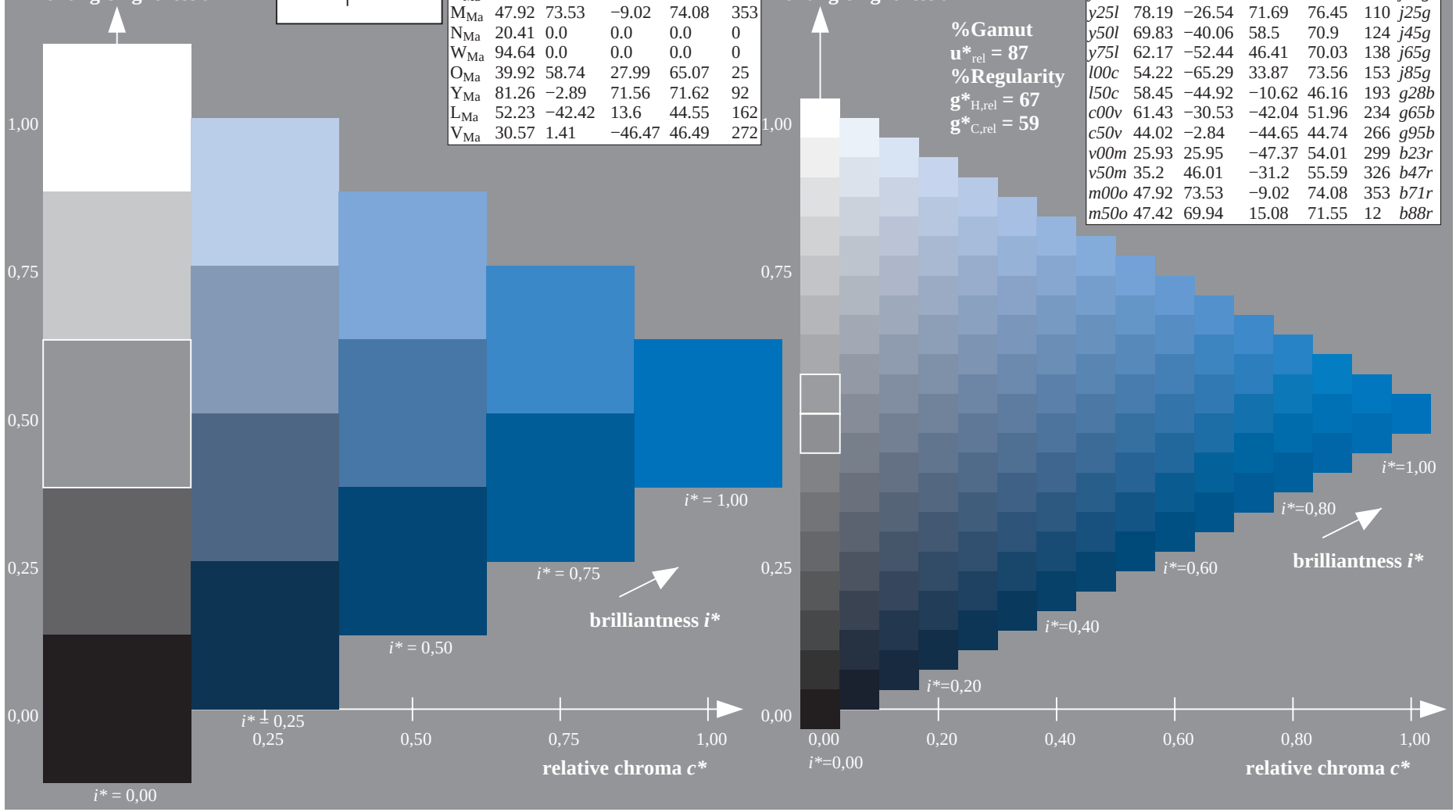
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.83$ $u^*_d = v00m$

data for any colour:

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

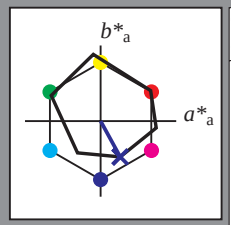
Hue texts:

$u^*_d = v00m$ $u^*_e = b23r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 26 26 −47

$LAB^*LCH^*_{Ma}$: 26 54 298

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

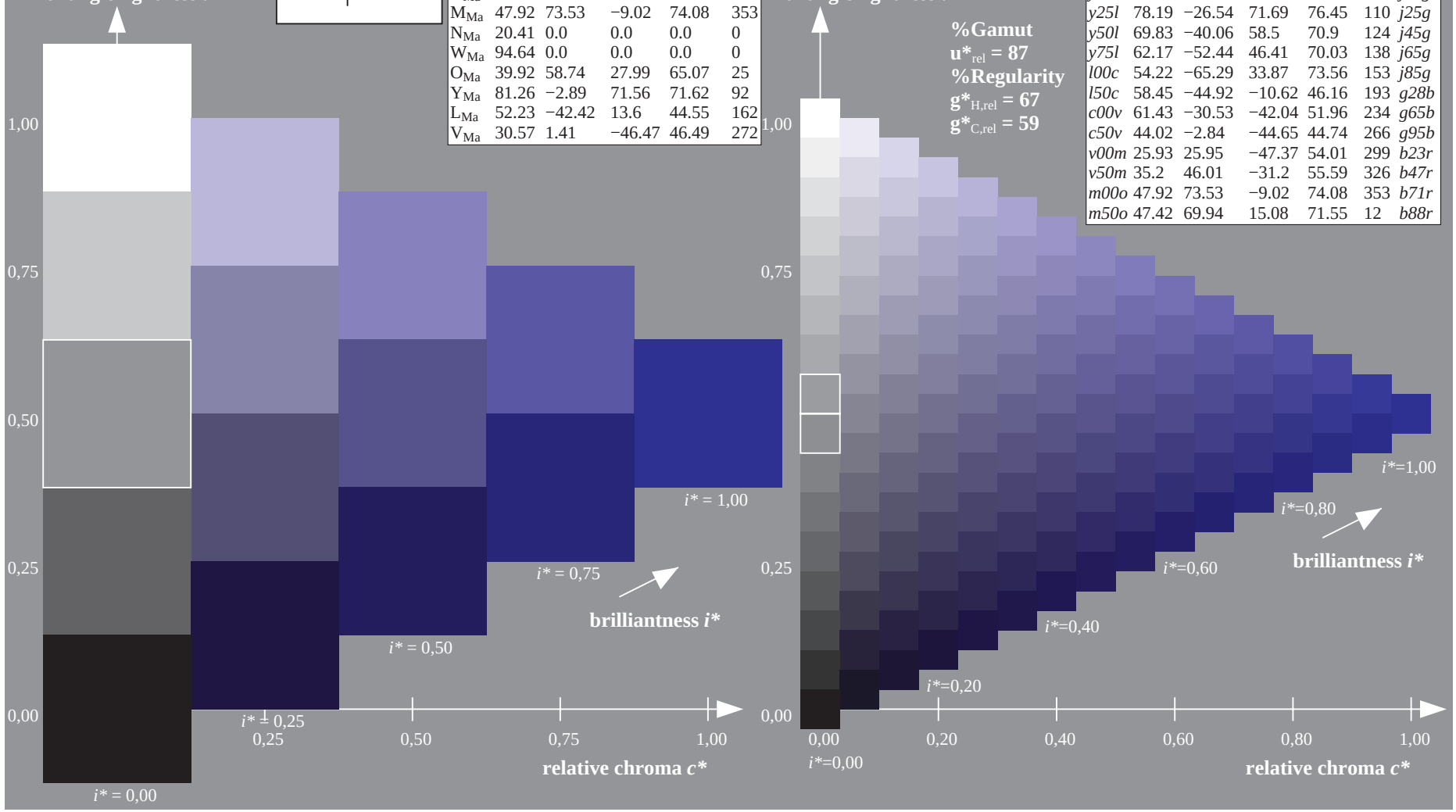
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.905$ $u^*_d = v50m$

data for any colour:

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

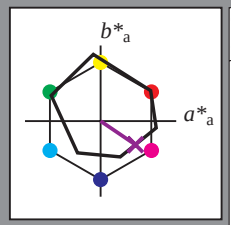
Hue texts:

$u^*_d = v50m$ $u^*_e = b47r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness ***t****



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 35 46 −31**

LAB*LCH*$_{Ma}$**: 35 56 325**

lab*olv*$_{Ma}$**: 0.5 0.0 1.0**

lab*rgb*$_{Ma}$**: 0.95 0.0 1.0**

triangle lightness ***t****

%Gamut

$u^*_{rel} = 87$

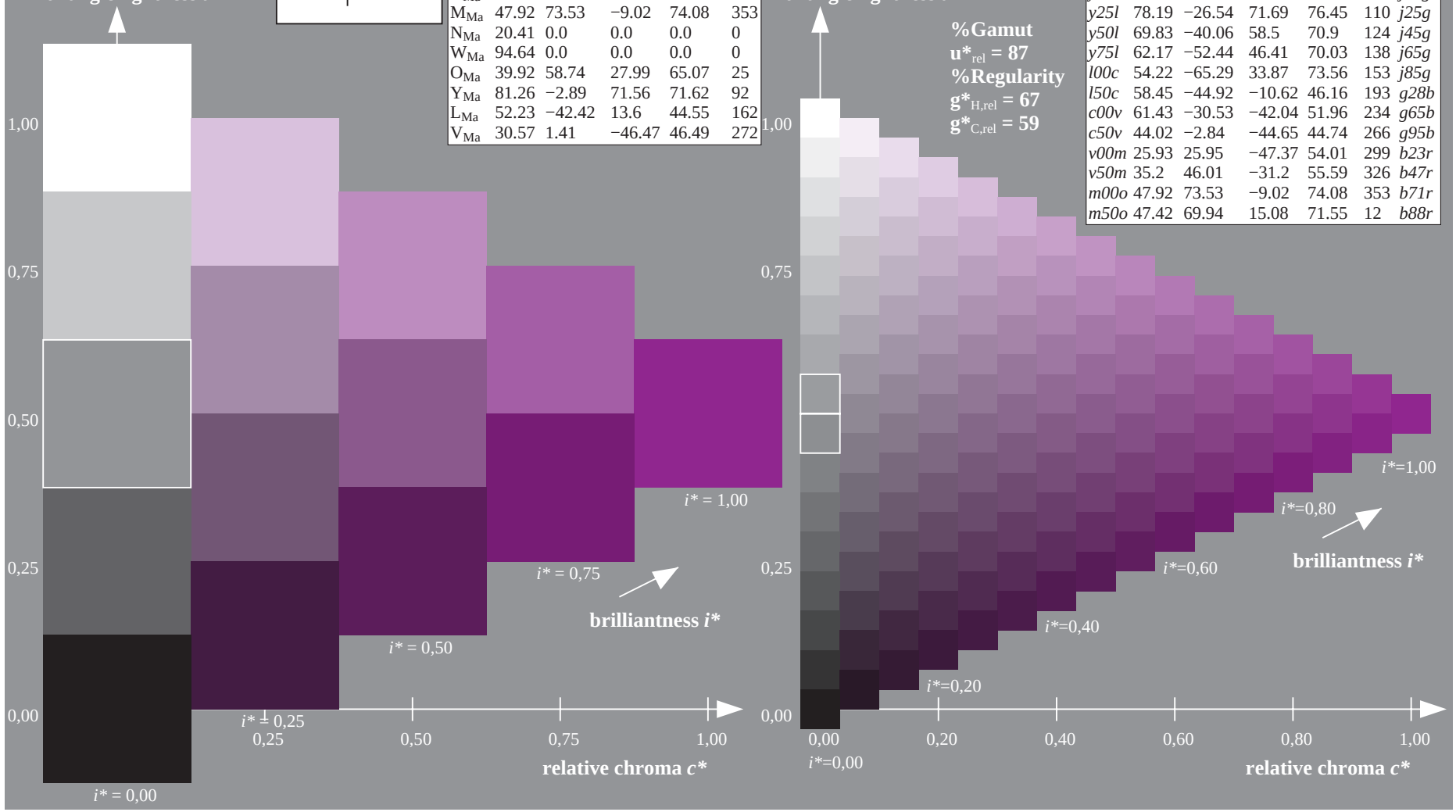
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.981$ $u^*_d = m00o$

data for any colour:

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

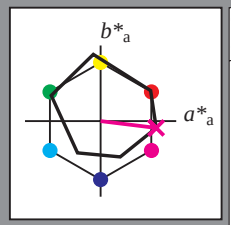
Hue texts:

$u^*_d = m00o$ $u^*_e = b71r$

contrast reduction factor:

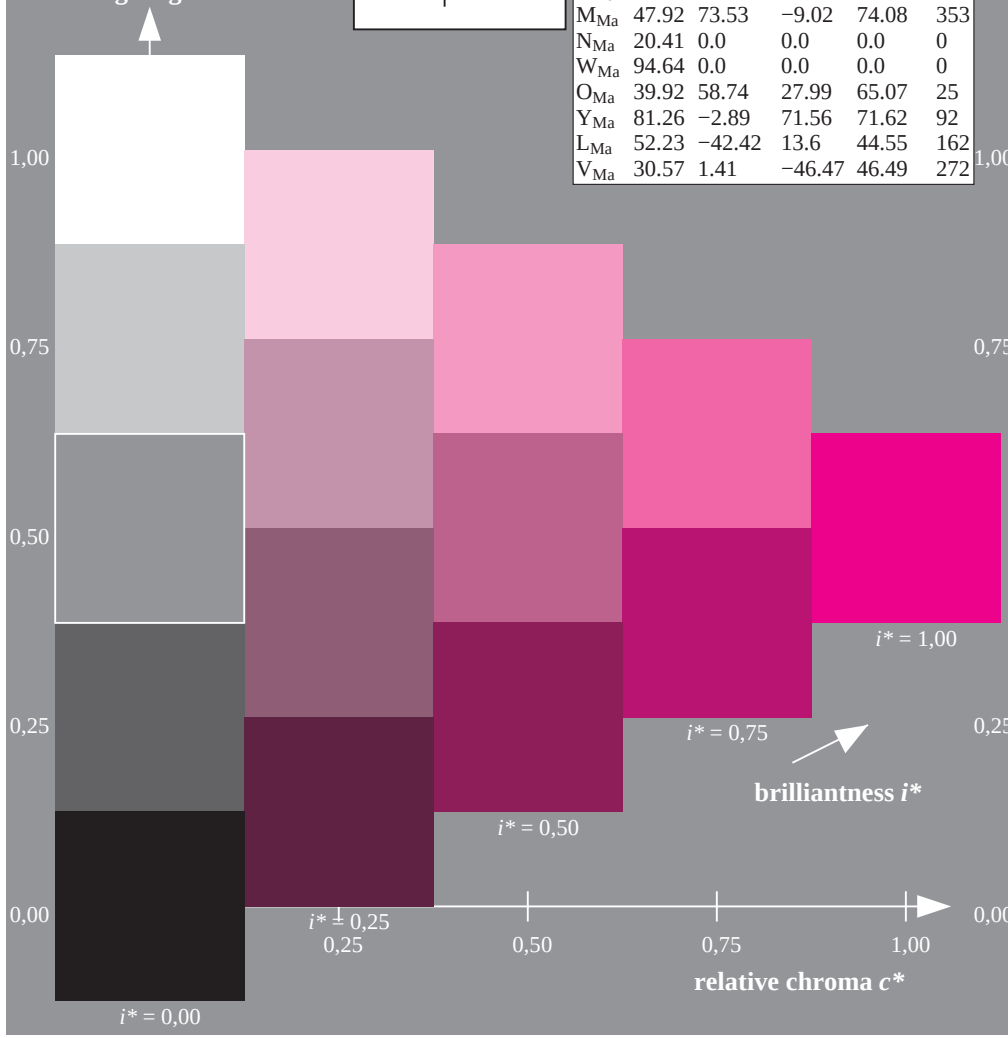
$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 48 74 −9**

LAB*LCH*$_{Ma}$**: 48 74 353**

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

lab*rgb*$_{Ma}$**: 1.0 0.0 0.57**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

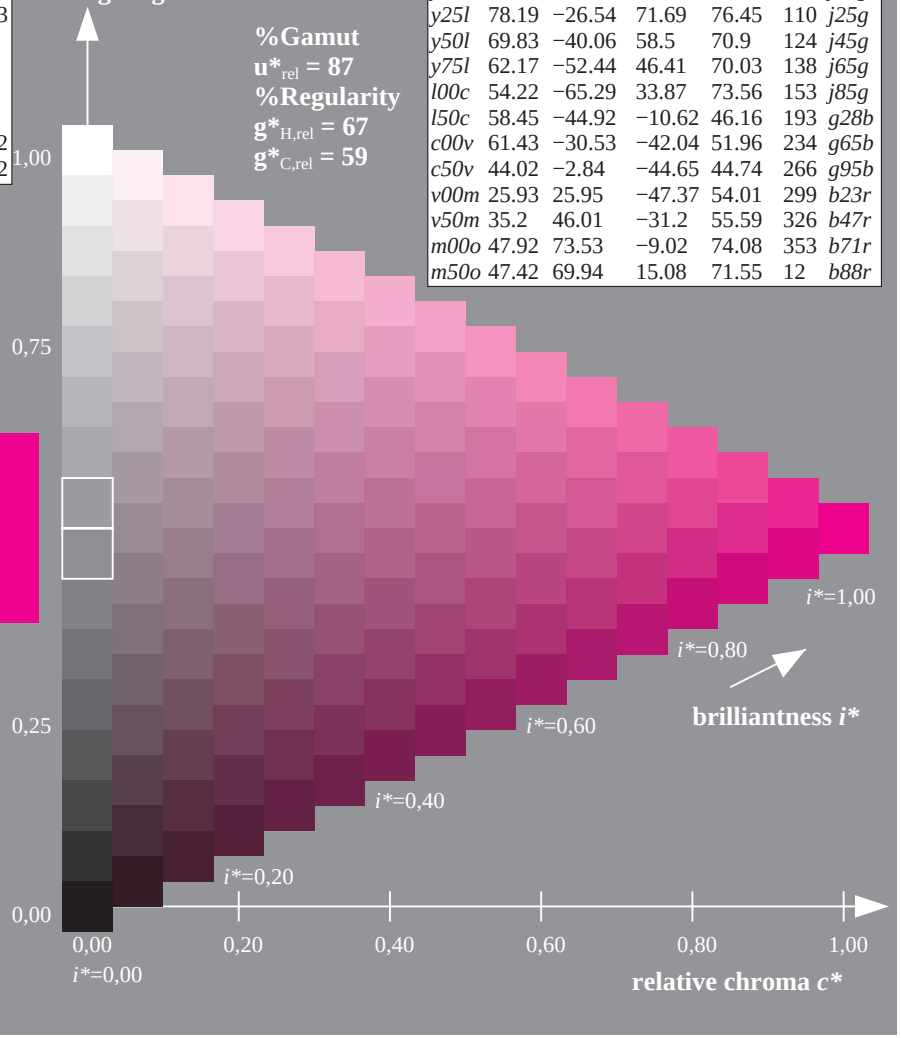
%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.034$ $u^*_d = m50o$

data for any colour:

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

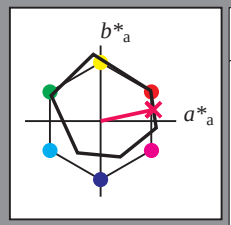
Hue texts:

$u^*_d = m50o$ $u^*_e = b88r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 70 15

$LAB^*LCH^*_{Ma}$: 47 72 12

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.23

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

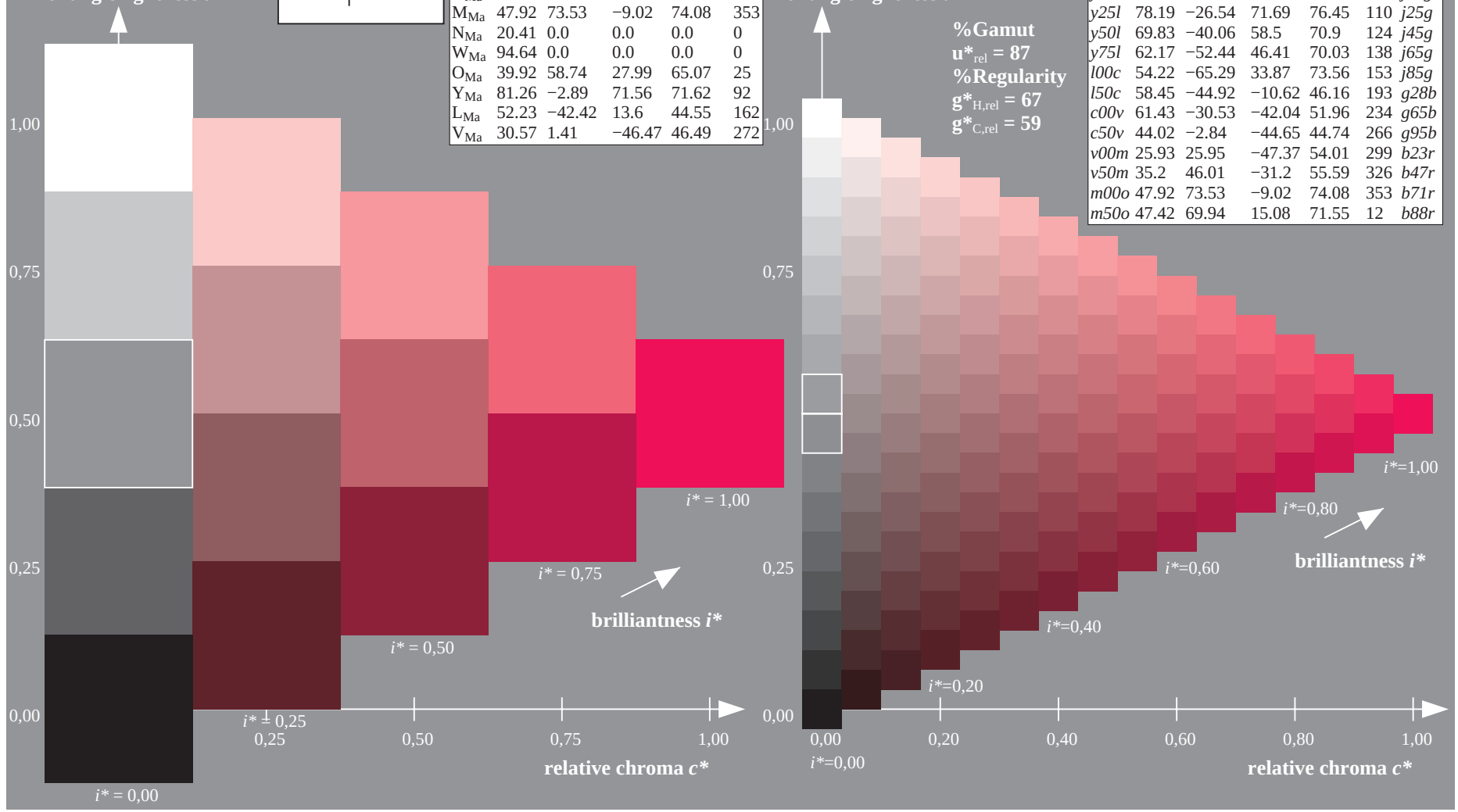
%Regularity

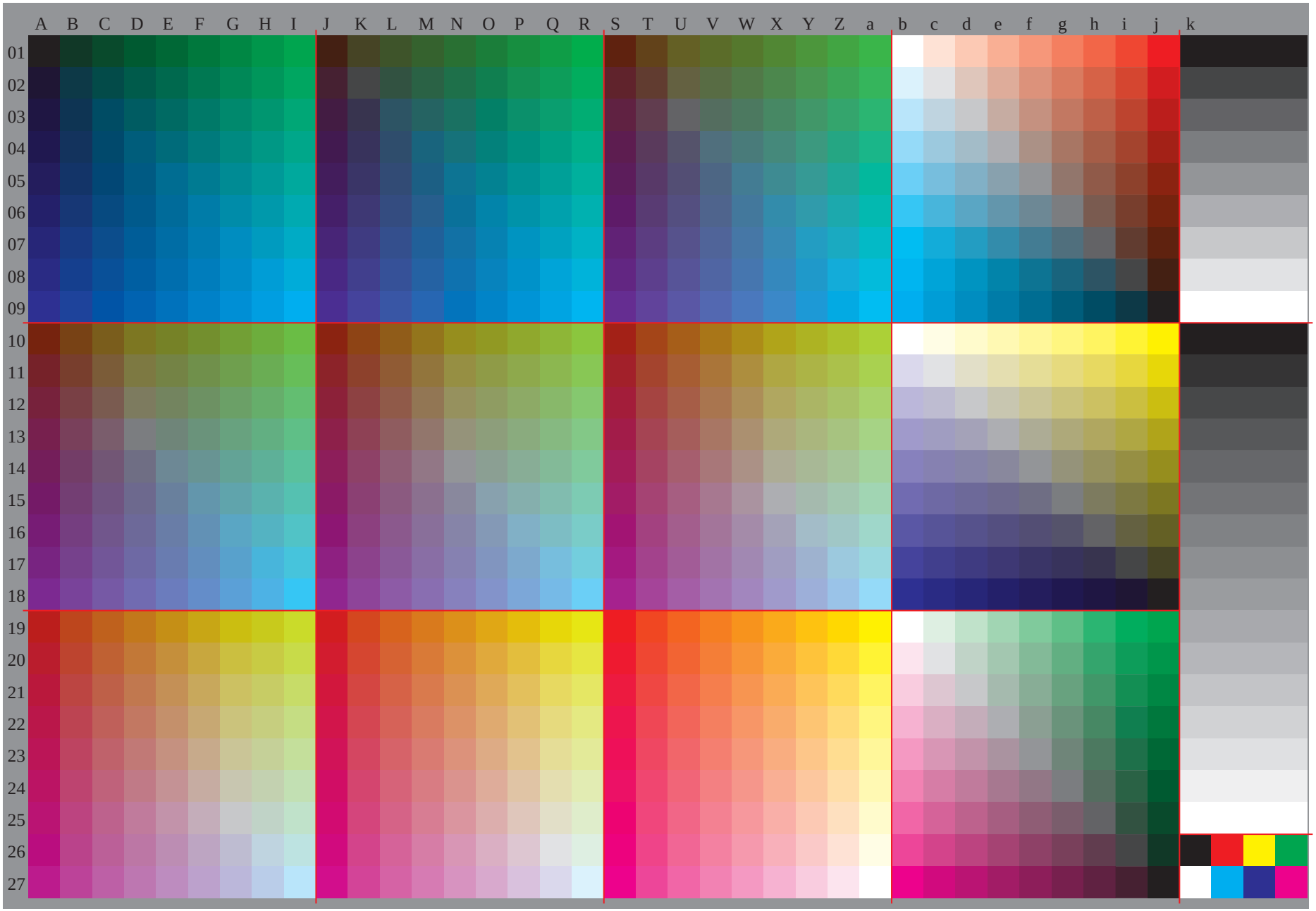
$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

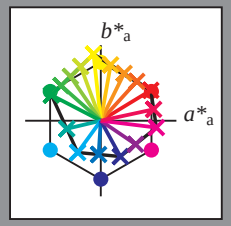



A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
u^*_d and number *no.* = 00 .. 15
device hue text:
u^*_d = 16 hues *o00y, o25y, ..., m50o*
contrast reduction factor:
c_R = 1.0

ORS20_95a; adapted (a) CIELAB data

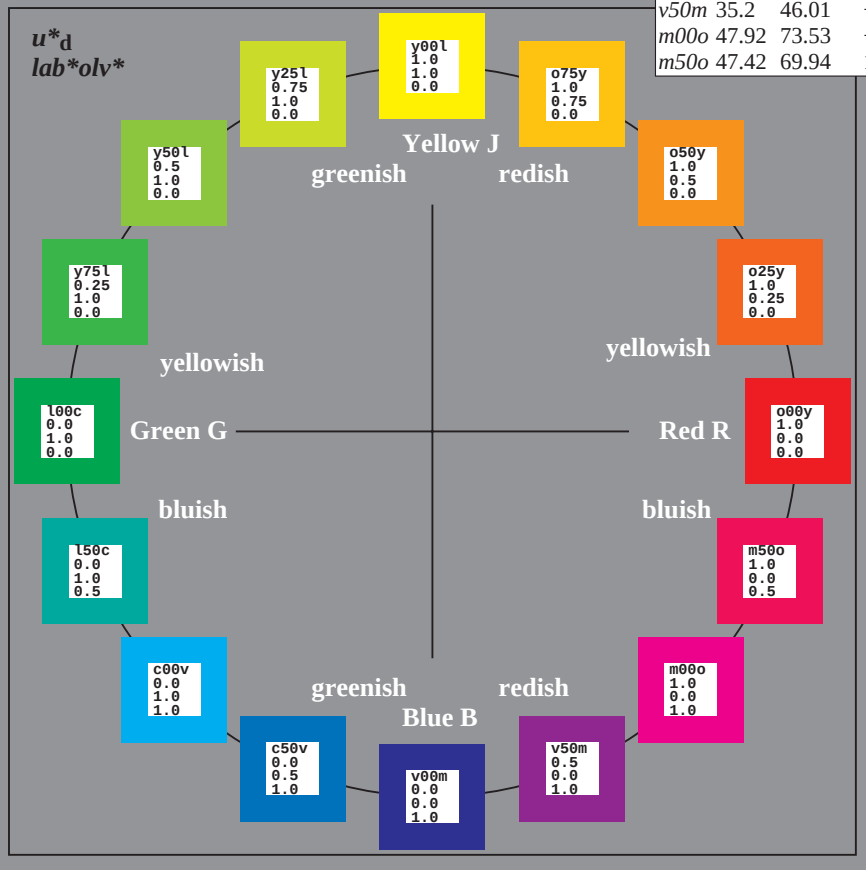
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

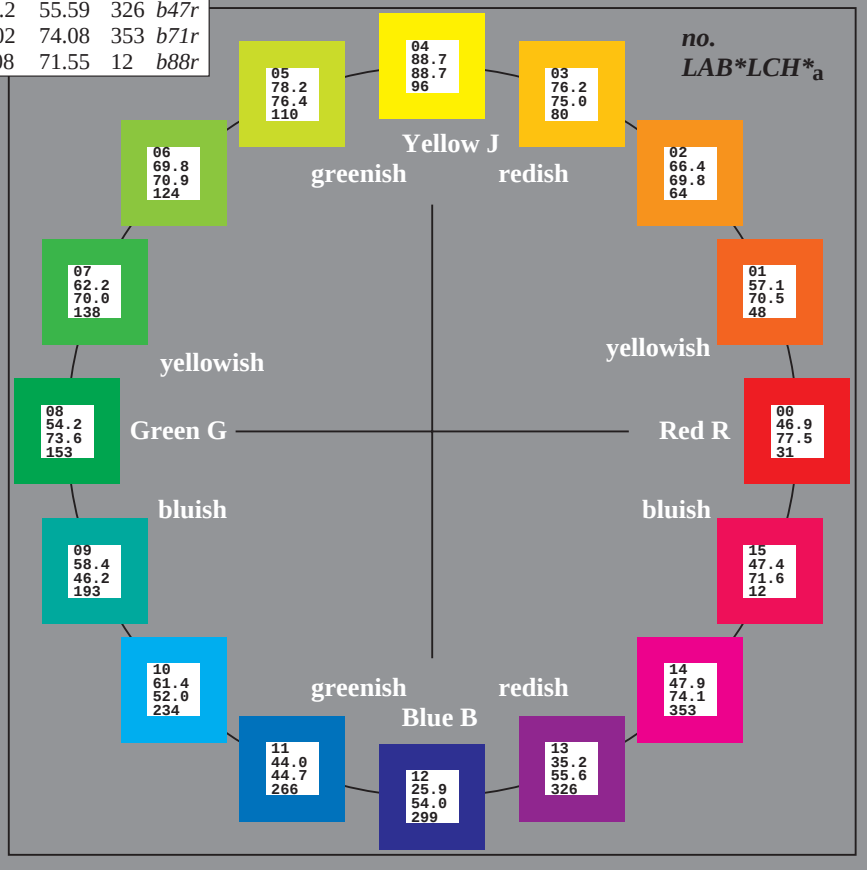


%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 67
$g^*_{C,rel}$ = 59

ORS20_95a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	−46.47	46.49	272





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$

data for any colour:

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

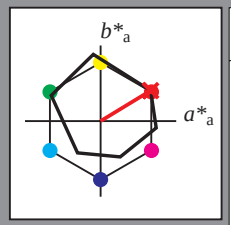
Hue texts:

u^*_d = *o00y* u^*_e = *r09j*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 47 66 40

*LAB*LCH**$_{Ma}$: 47 77 31

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

*lab*rgb**$_{Ma}$: 1.0 0.09 0.0

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

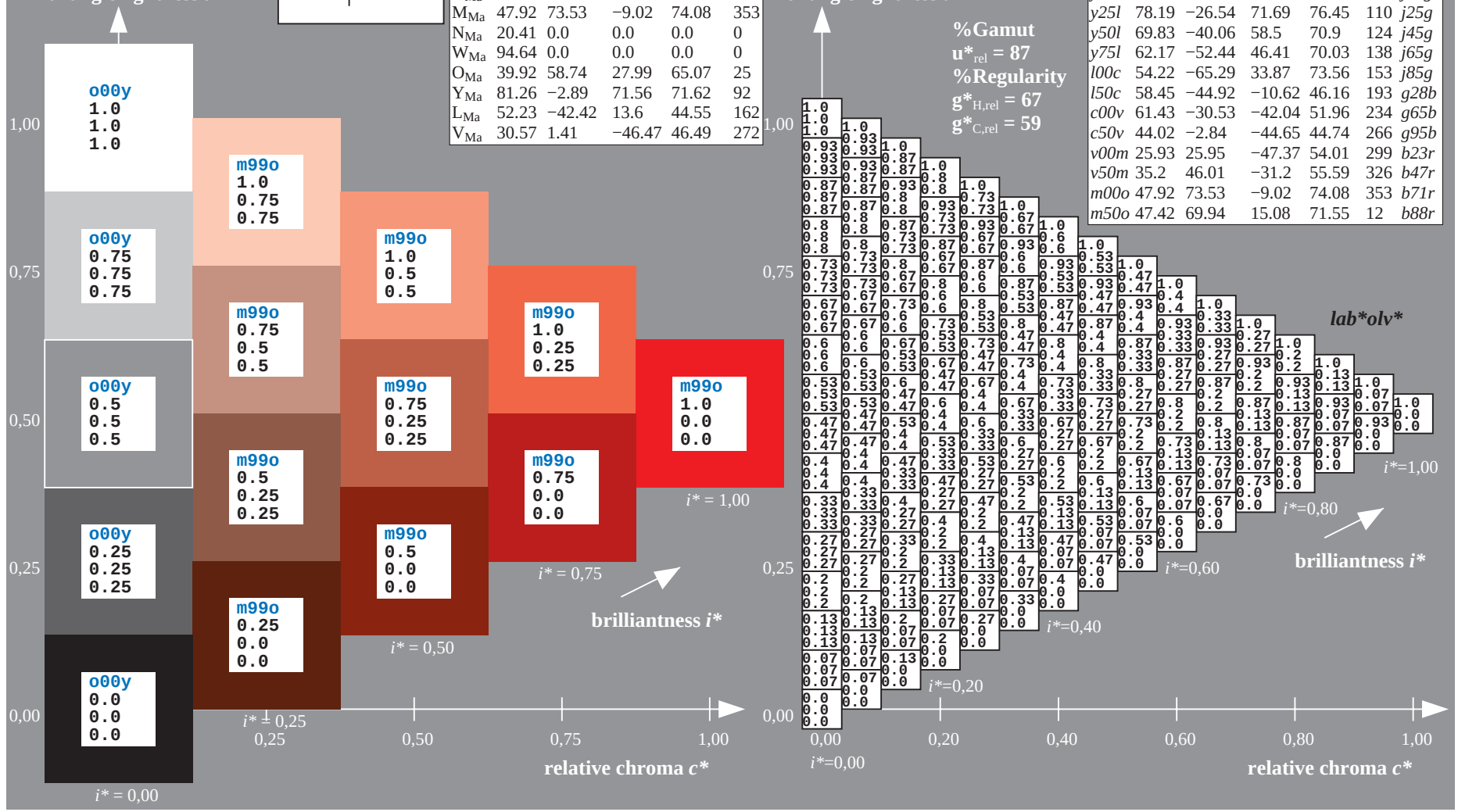
$g^*_{C,rel} = 59$

u^*_d = *o00y*

*lab*olv**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

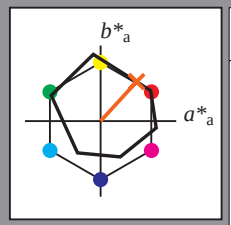
Hue texts:

u^*_d = *o25y* u^*_e = *r33j*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 57 48 52**

***LAB*LCH**$_{Ma}$: 57 71 47**

***lab*olv**$_{Ma}$: 1.0 0.25 0.0**

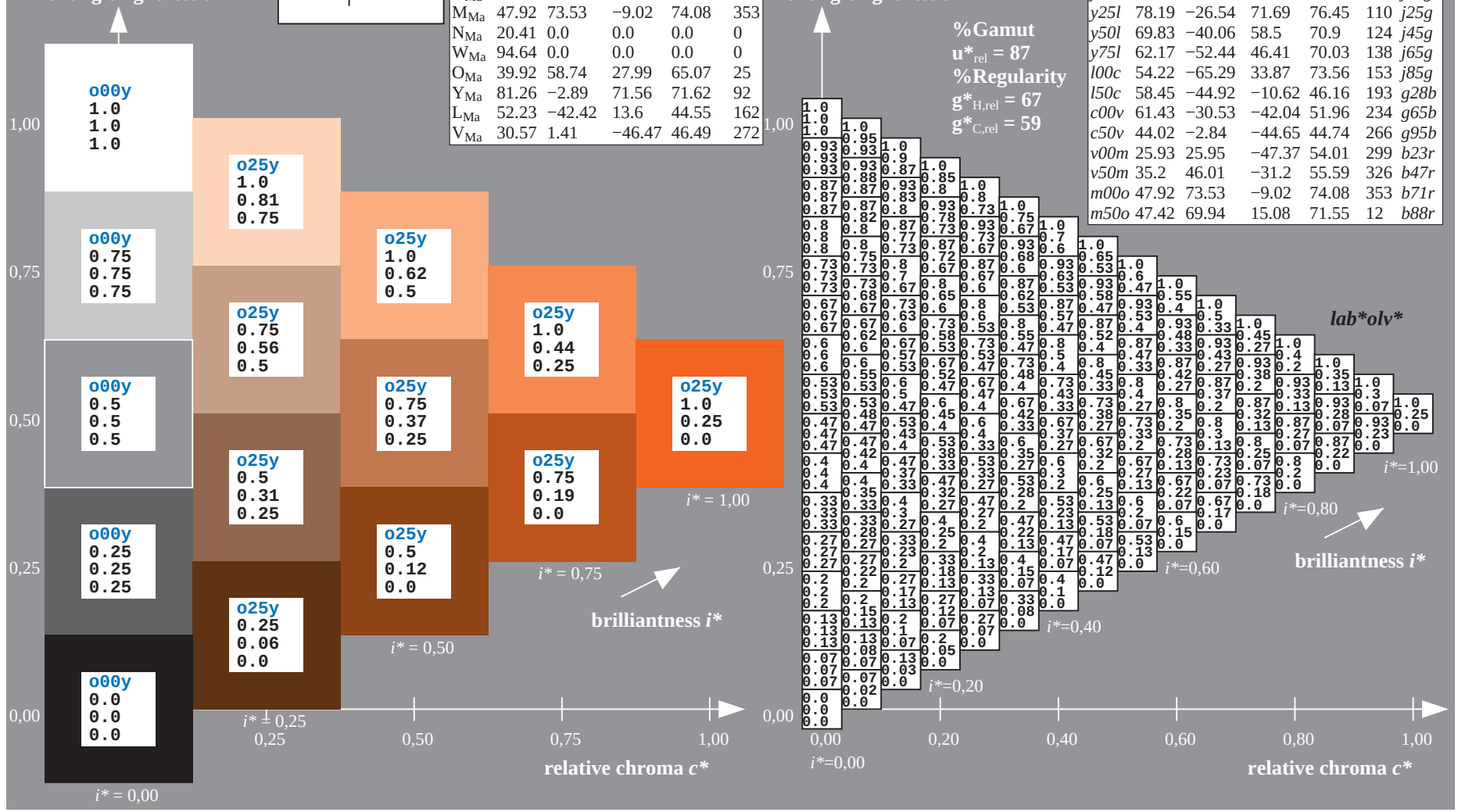
***lab*rgb**$_{Ma}$: 1.0 0.33 0.0**

u^*_d = *o25y*

lab*olv*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.177$

data for any colour:

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

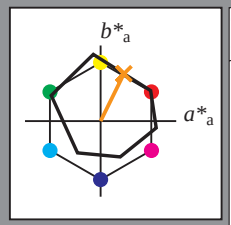
Hue texts:

u^*_d = *o50y* u^*_e = *r57j*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 66 31 63**

***LAB*LCH**$_{Ma}$: 66 70 63**

***lab*olv**$_{Ma}$: 1.0 0.5 0.0**

***lab*rgb**$_{Ma}$: 1.0 0.57 0.0**

u^*_d = *o50y*

lab*olv*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

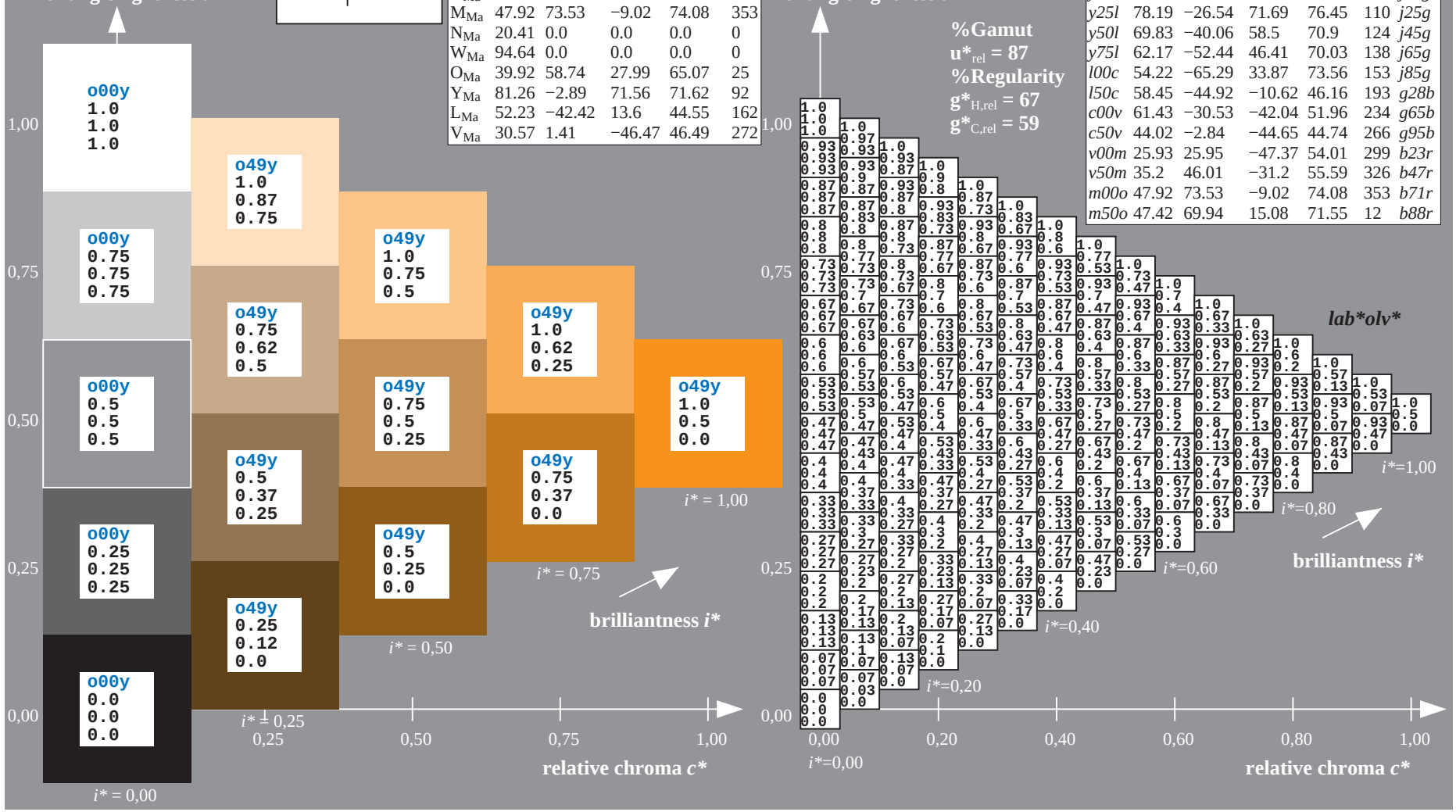
%Gamut

u^*_{rel} = 87

%Regularity

$g^*_{H,rel}$ = 67

$g^*_{C,rel}$ = 67



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.222$

data for any colour:

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

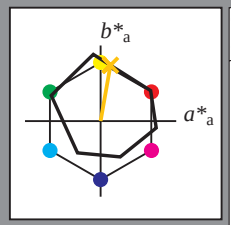
Hue texts:

u^*_d = *o75y* u^*_e = *r81j*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 76 13 74**

***LAB*LCH**$_{Ma}$: 76 75 79**

***lab*olv**$_{Ma}$: 1.0 0.75 0.0**

***lab*rgb**$_{Ma}$: 1.0 0.82 0.0**

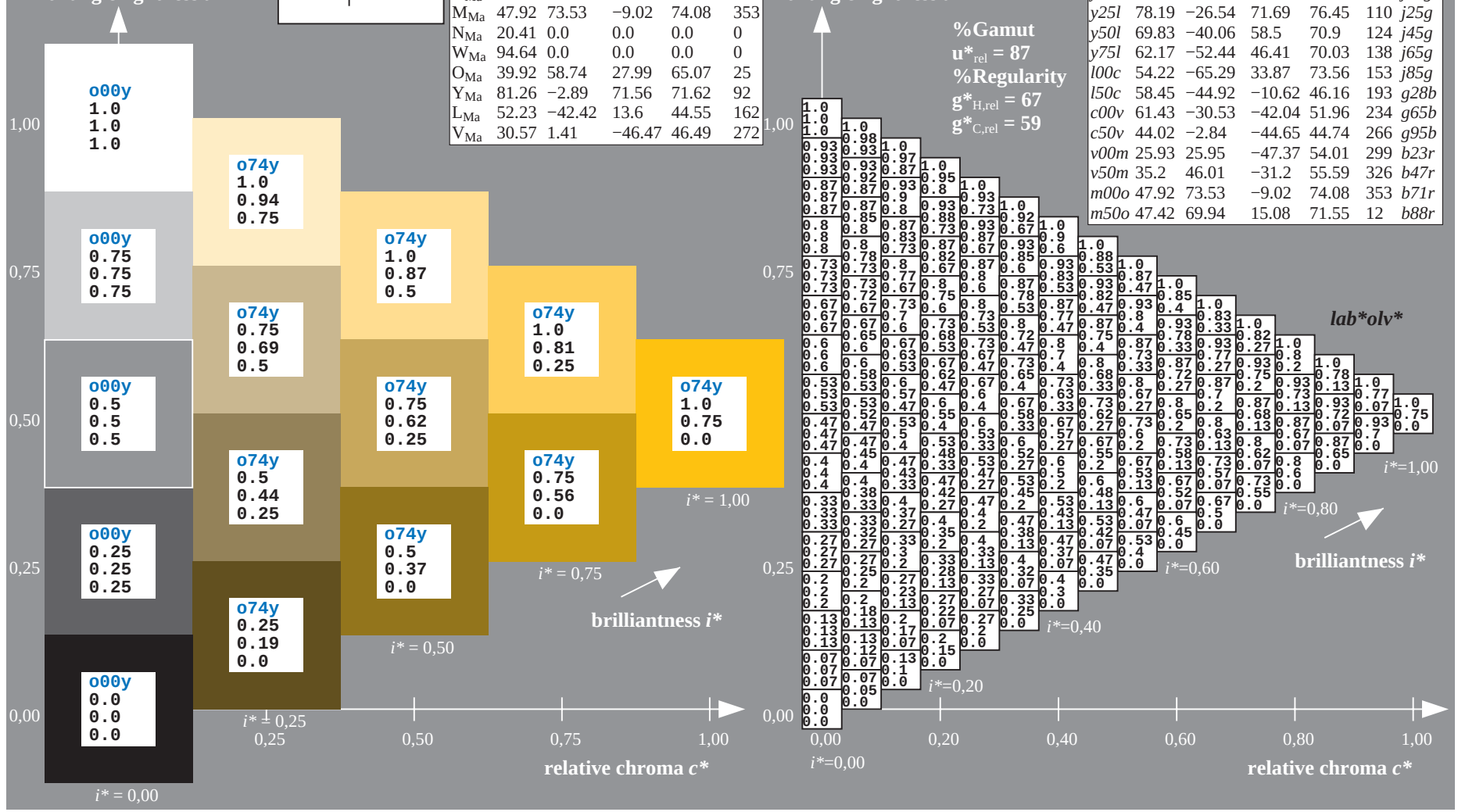
triangle lightness *t**

u^*_d = *o75y*

lab*olv*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.267$

data for any colour:

lab*tch** and *lab*icu*

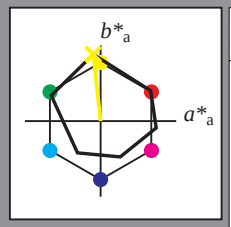
Hue texts:

u^*_d = *y00l* u^*_e = *j06g*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 89 −10 88**

***LAB*LCH**$_{Ma}$: 89 89 96**

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

***lab*rgb**$_{Ma}$: 0.94 1.0 0.0**

triangle lightness *t**

%Gamut

u^*_{rel} = 87

%Regularity

$g^*_{H,rel}$ = 67

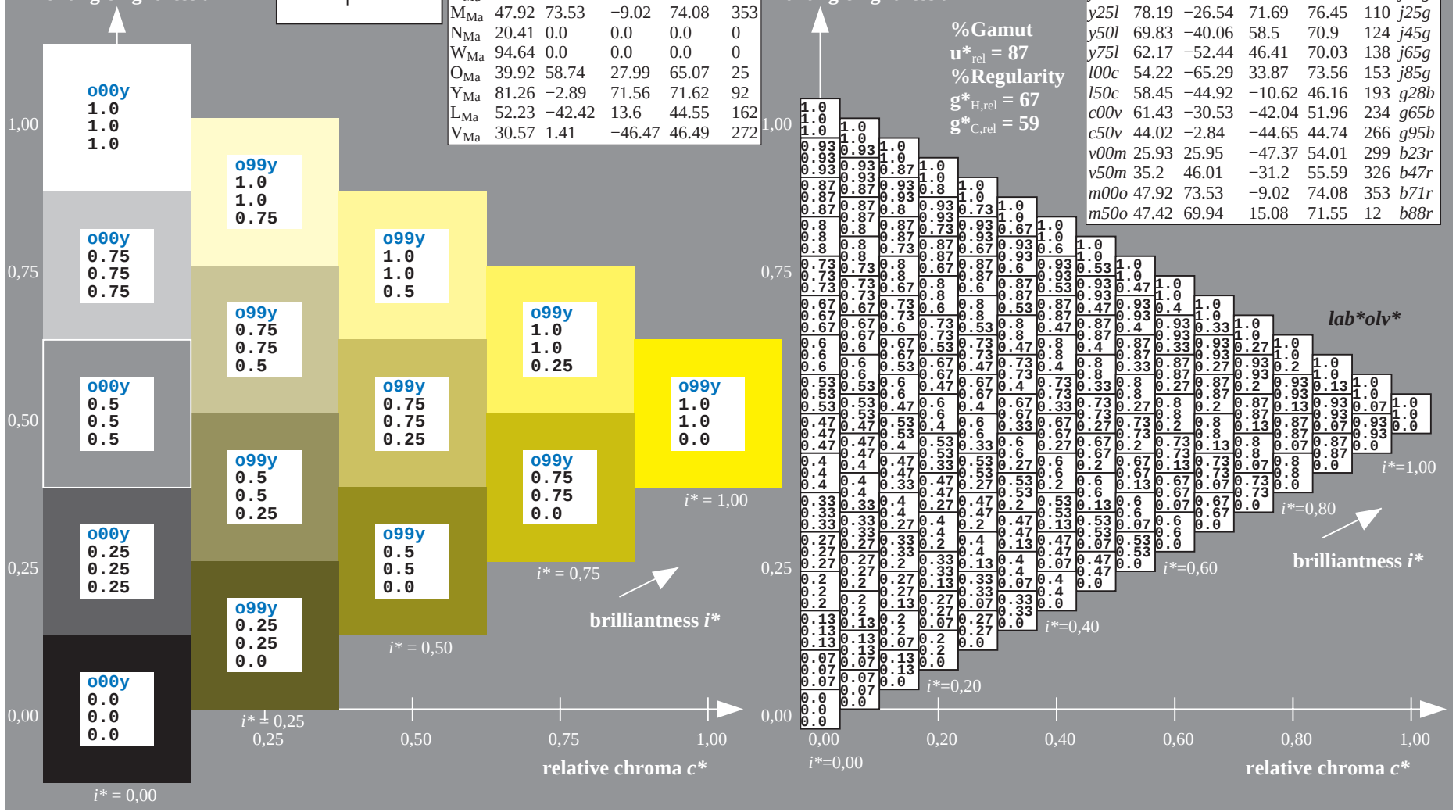
$g^*_{C,rel}$ = 59

u^*_d = *y00l*

lab*olv*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.306$

data for any colour:

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

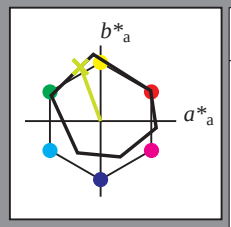
Hue texts:

$u^*_d = y25l$ $u^*_e = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 78 −27 72

$LAB^*LCH^*_{Ma}$: 78 76 110

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

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

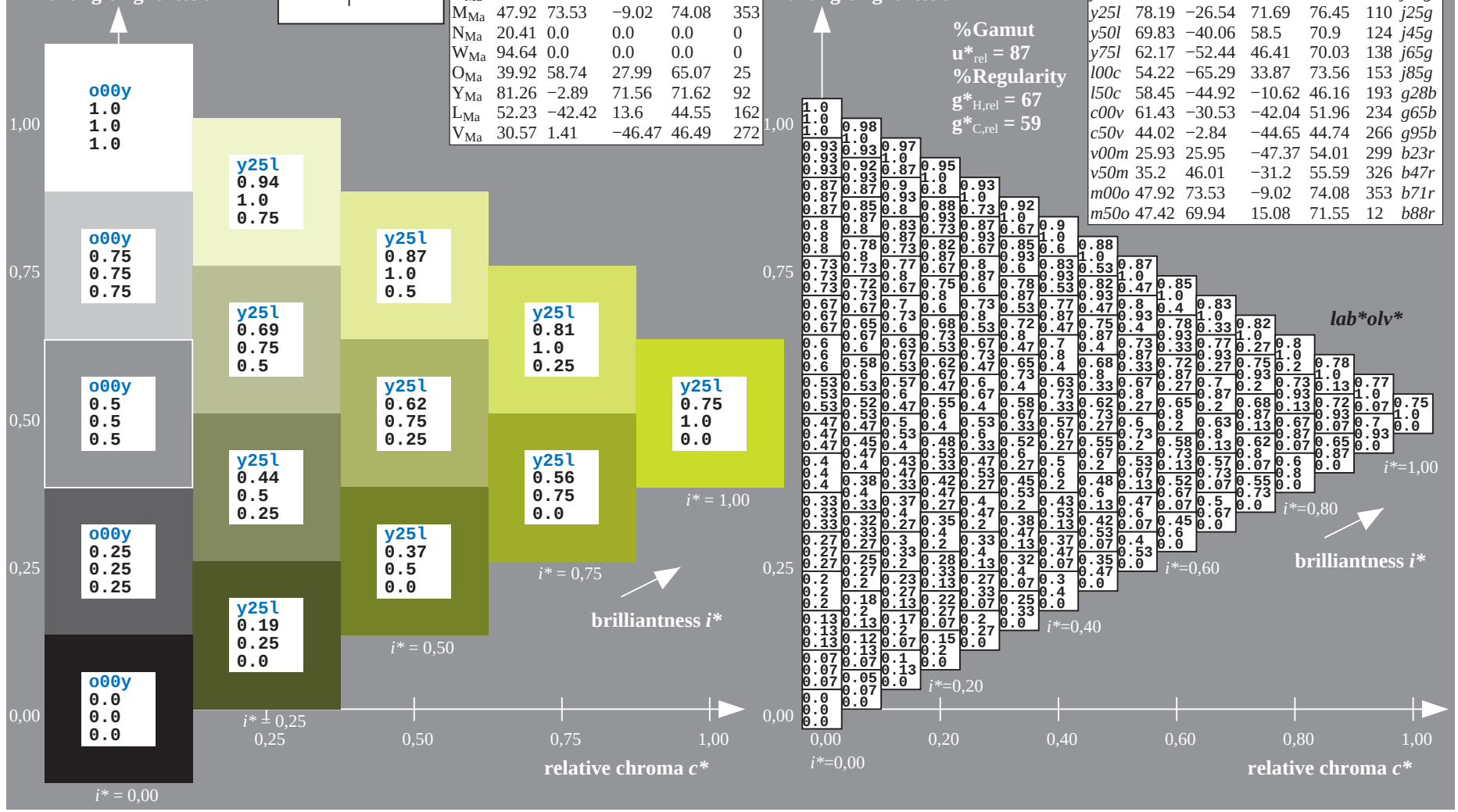
triangle lightness *t**

$u^*_d = y25l$

lab^*olv^*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.346$

data for any colour:

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

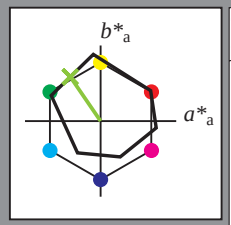
Hue texts:

$u^*_d = y50l$ $u^*_e = j45g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 70 −40 58**

***LAB*LCH**$_{Ma}$: 70 71 124**

***lab*olv**$_{Ma}$: 0.5 1.0 0.0**

***lab*rgb**$_{Ma}$: 0.54 1.0 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

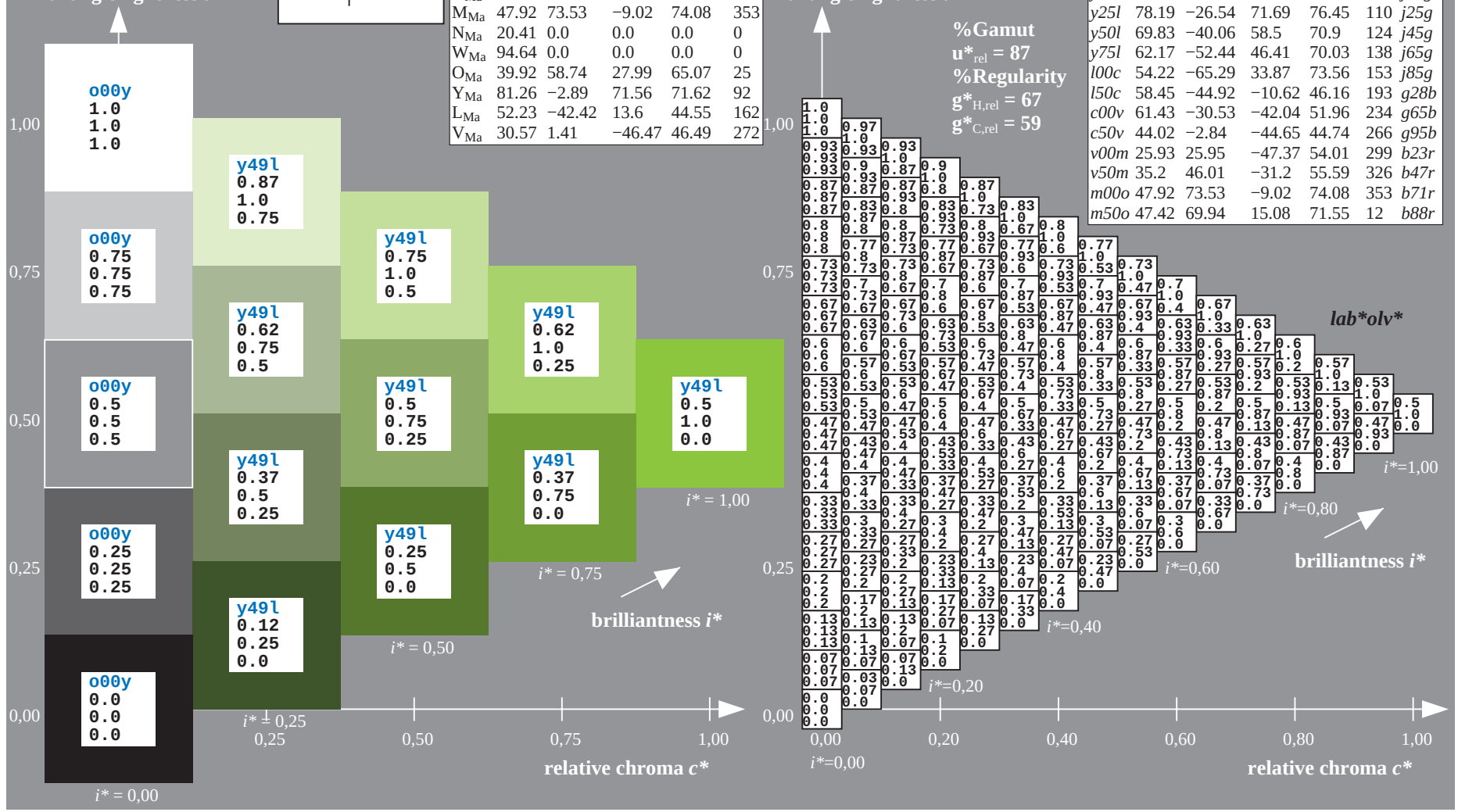
$g^*_{C,rel} = 59$

$u^*_d = y50l$

lab*olv*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.385$

data for any colour:

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

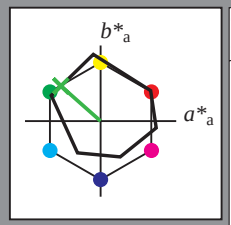
Hue texts:

$u^*_d = y75l$ $u^*_e = j65g$

contrast reduction factor:

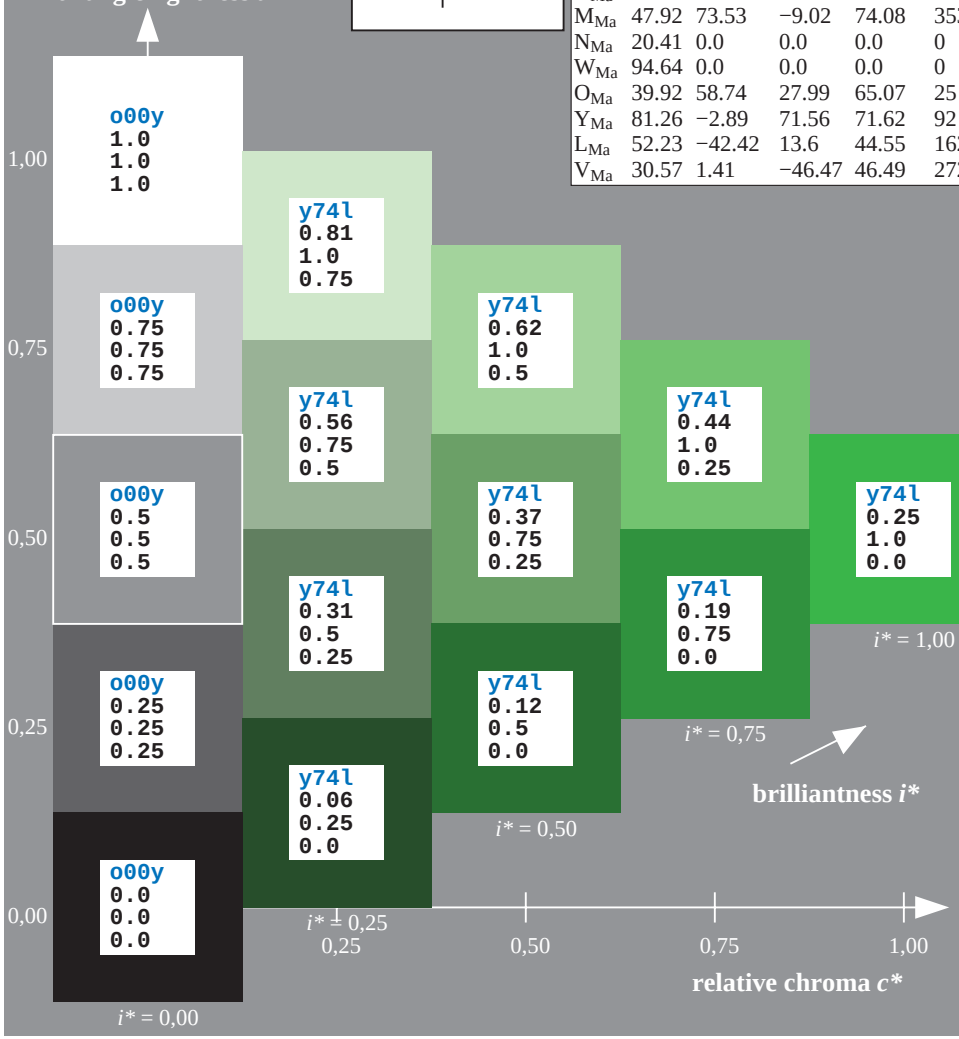
$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 62 −52 46

*LAB*LCH**$_{Ma}$: 62 70 138

*lab*olv**$_{Ma}$: 0.25 1.0 0.0

*lab*rgb**$_{Ma}$: 0.34 1.0 0.0

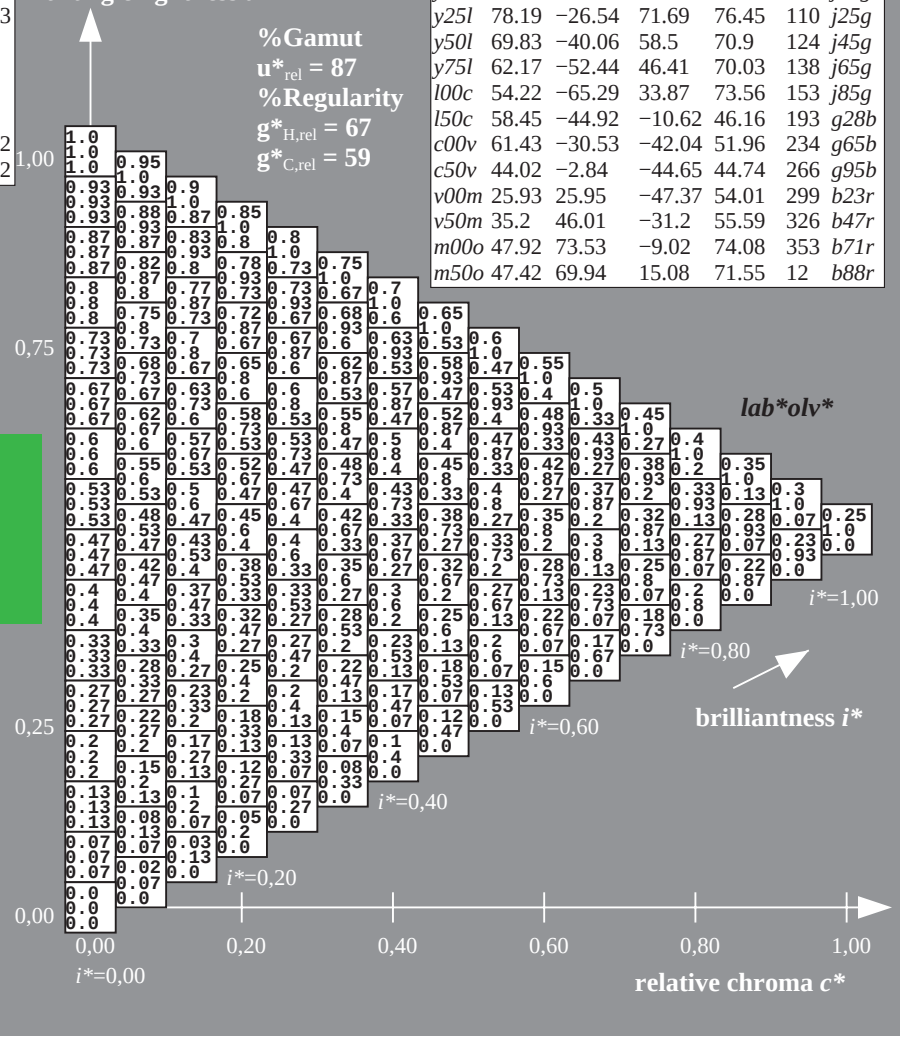
triangle lightness *t**

$u^*_d = y75l$

*lab*olv**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09y*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.424$

data for any colour:

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

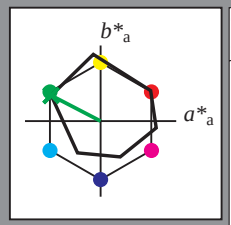
Hue texts:

$u^*_d = l00c$ $u^*_e = j85g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 54 −65 34

*LAB*LCH**$_{Ma}$: 54 74 152

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

*lab*rgb**$_{Ma}$: 0.14 1.0 0.0

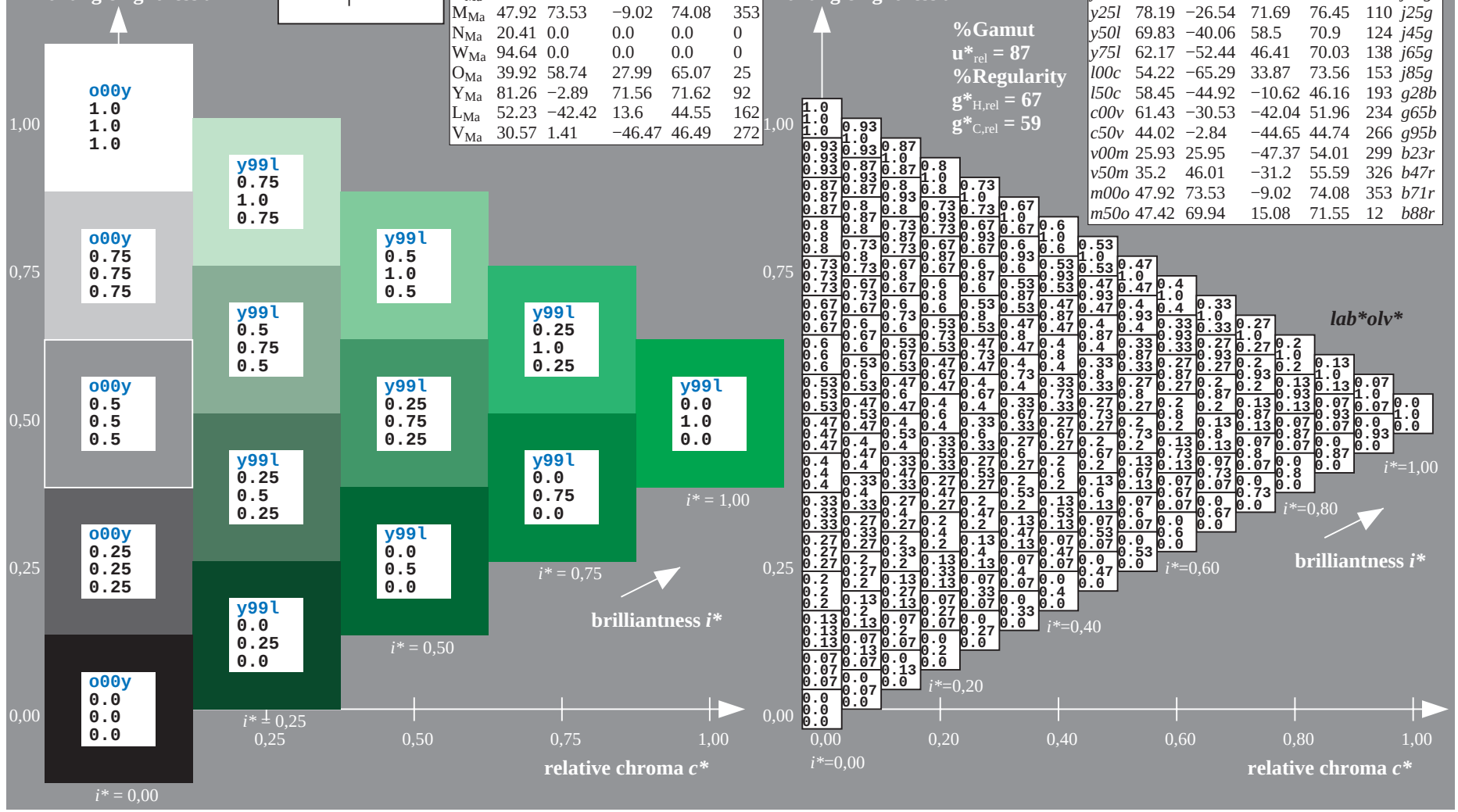
triangle lightness *t**

$u^*_d = l00c$

*lab*olv**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.537$

data for any colour:

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

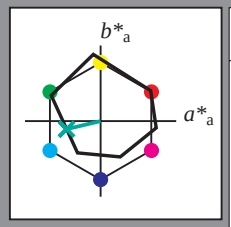
Hue texts:

u^*_d = *l50c* u^*_e = *g28b*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 58 −45 −11

*LAB*LCH**$_{Ma}$: 58 46 193

*lab*olv**$_{Ma}$: 0.0 1.0 0.5

*lab*rgb**$_{Ma}$: 0.0 1.0 0.57

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

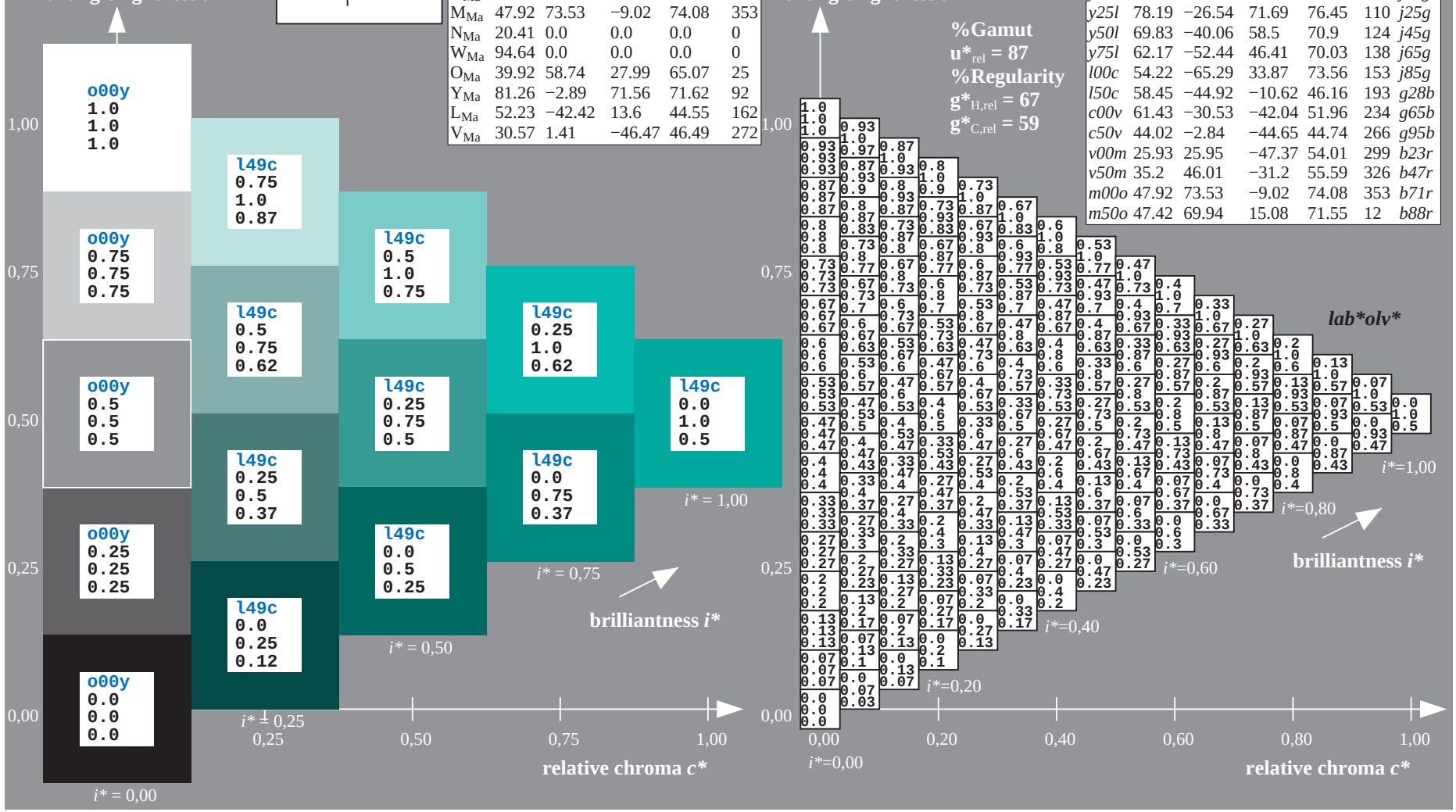
$g^*_{C,rel} = 59$

u^*_d = *l50c*

*lab*olv**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.65$

data for any colour:

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

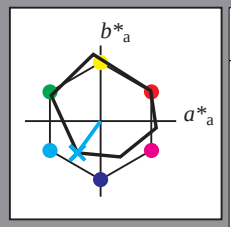
Hue texts:

u^*_d = *c00v* u^*_e = *g65b*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 61 −31 −42

*LAB*LCH**$_{Ma}$: 61 52 234

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

*lab*rgb**$_{Ma}$: 0.0 0.69 1.0

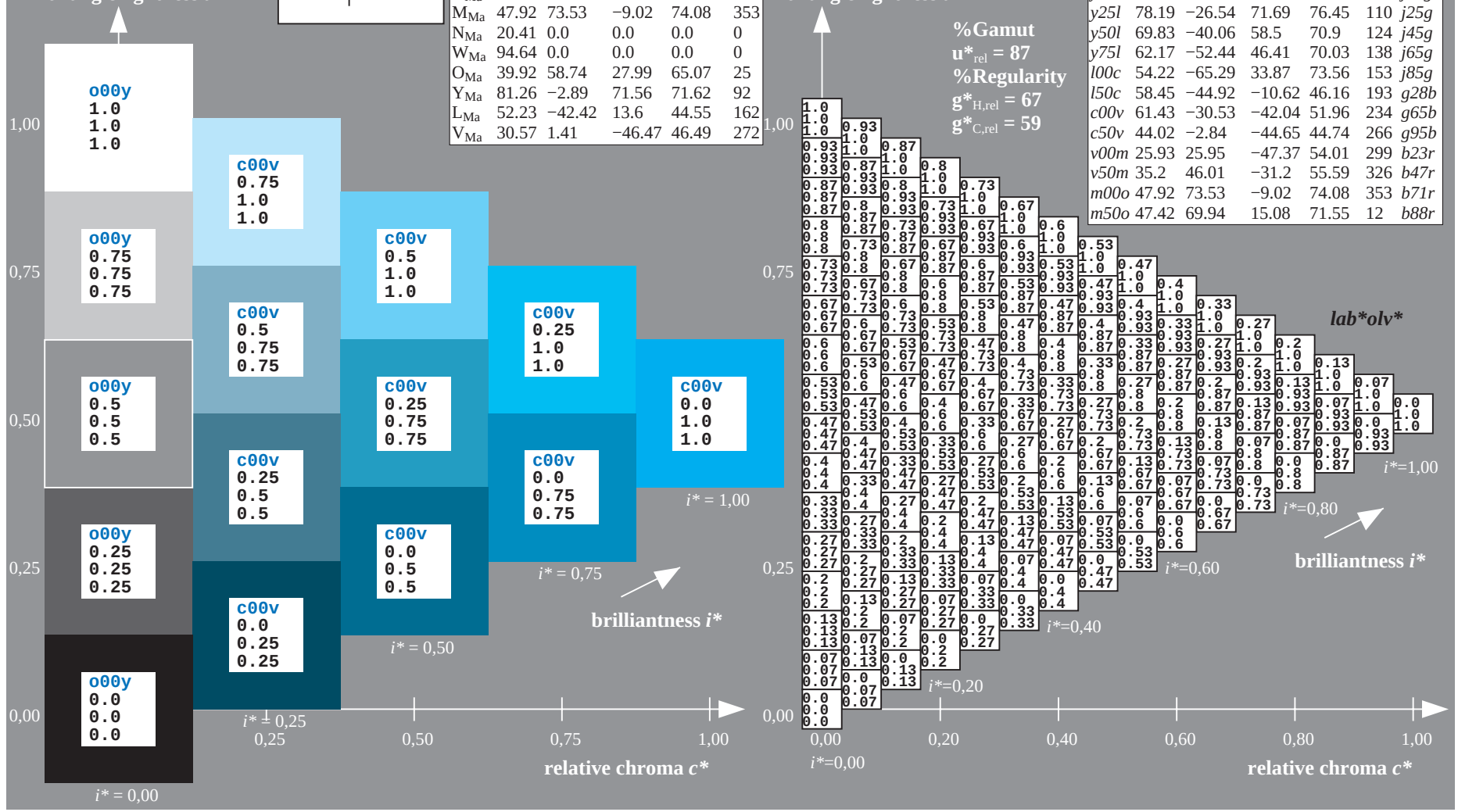
triangle lightness *t**

u^*_d = *c00v*

*lab*olv**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.74$

data for any colour:

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

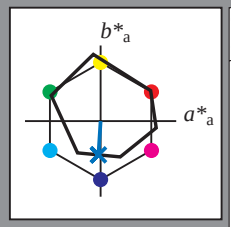
Hue texts:

$u^*_d = c50v$ $u^*_e = g95b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 44 −3 −45**

***LAB*LCH**$_{Ma}$: 44 45 266**

***lab*olv**$_{Ma}$: 0.0 0.5 1.0**

***lab*rgb**$_{Ma}$: 0.0 0.1 1.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

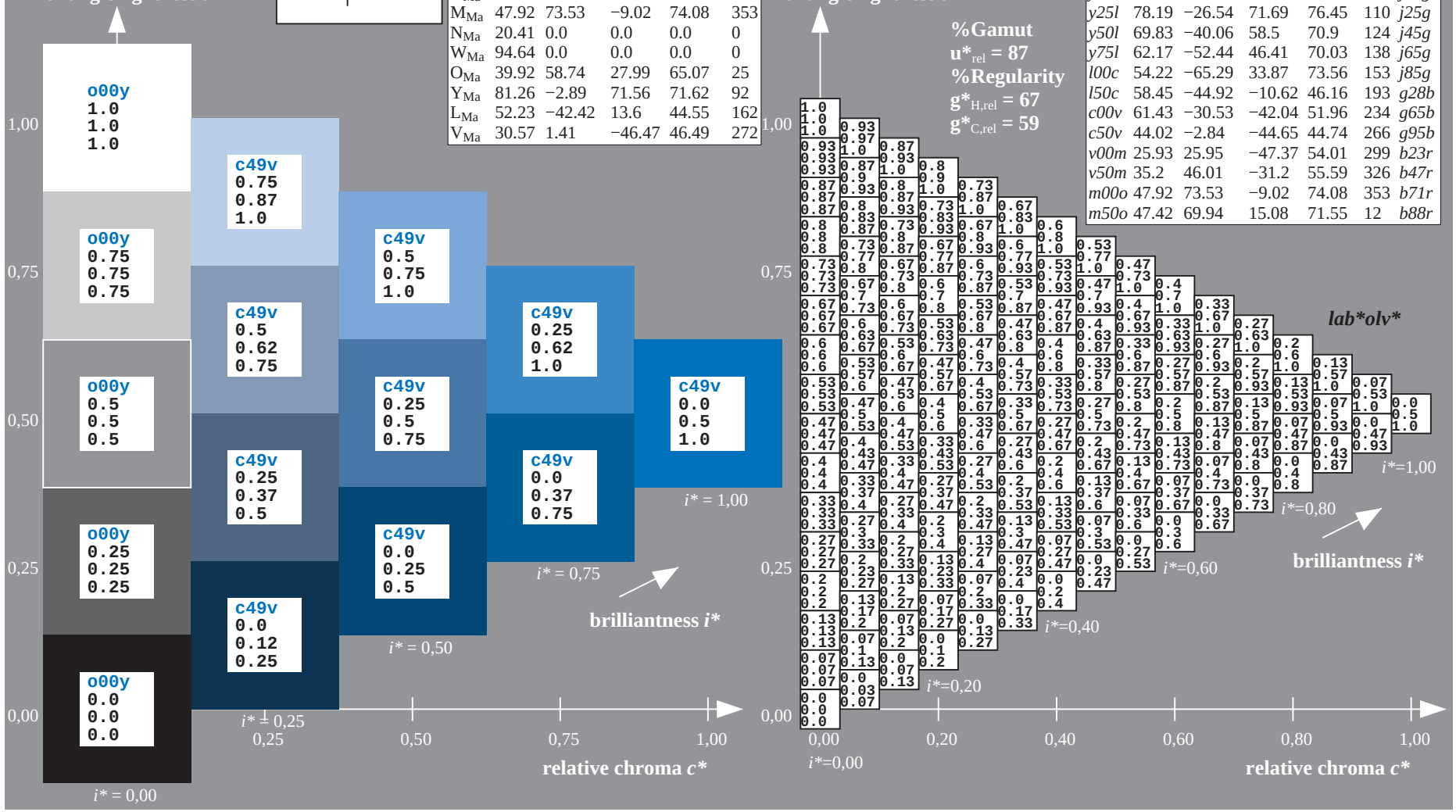
$g^*_{C,rel} = 59$

$u^*_d = c50v$

lab*olv*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.83$

data for any colour:

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

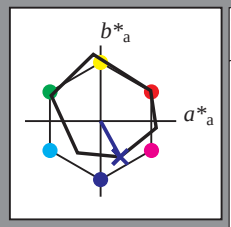
Hue texts:

u^*_d = *v00m* u^*_e = *b23r*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 26 26 −47

*LAB*LCH**$_{Ma}$: 26 54 298

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

*lab*rgb**$_{Ma}$: 0.47 0.0 1.0

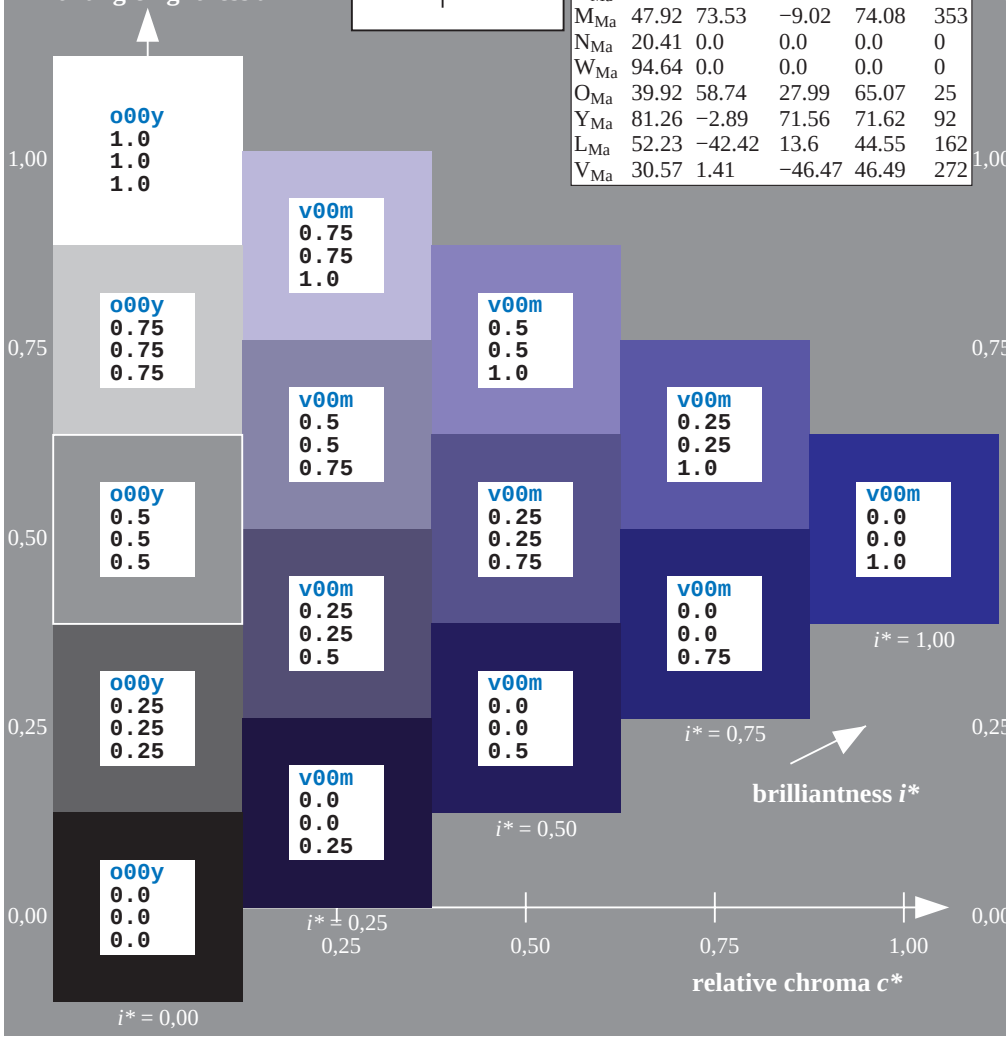
triangle lightness *t**

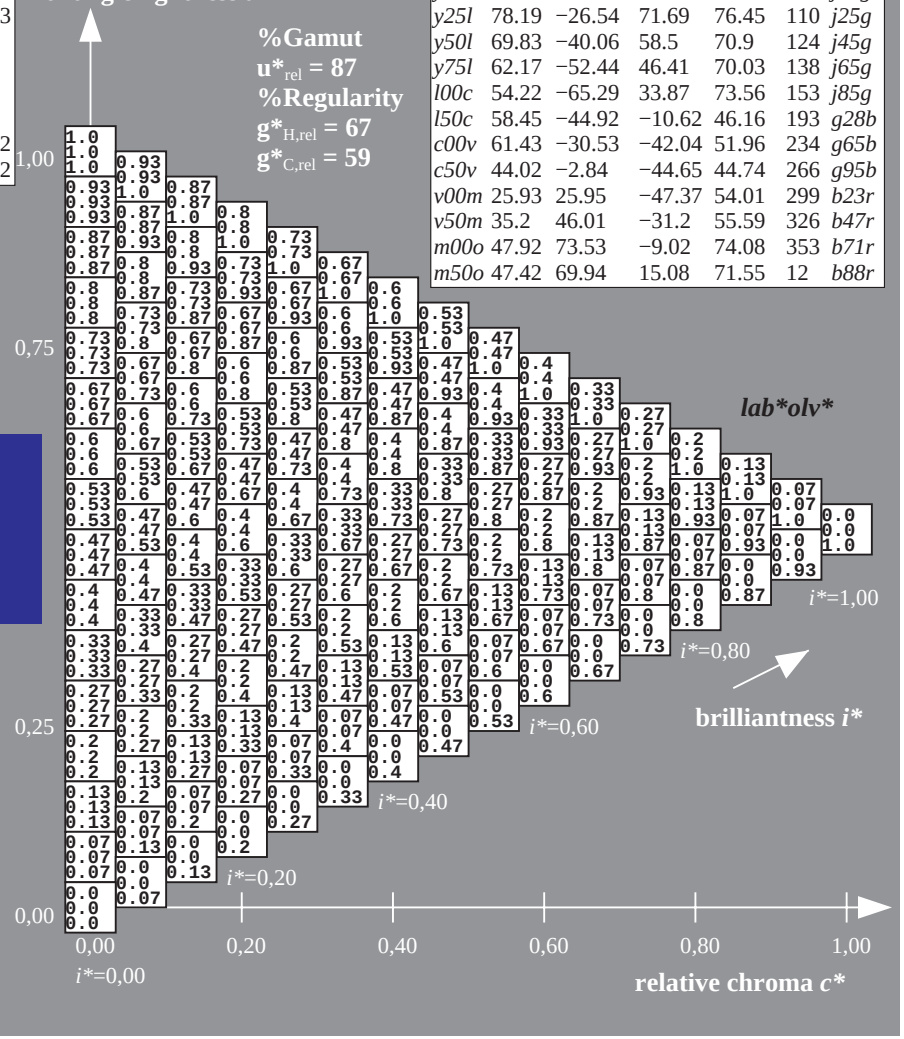
u^*_d = *v00m*

*lab*olv**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.905$

data for any colour:

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

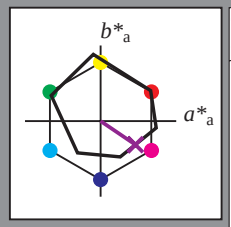
Hue texts:

u^*_d = *v50m* u^*_e = *b47r*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 35 46 −31

*LAB*LCH**$_{Ma}$: 35 56 325

*lab*olv**$_{Ma}$: 0.5 0.0 1.0

*lab*rgb**$_{Ma}$: 0.95 0.0 1.0

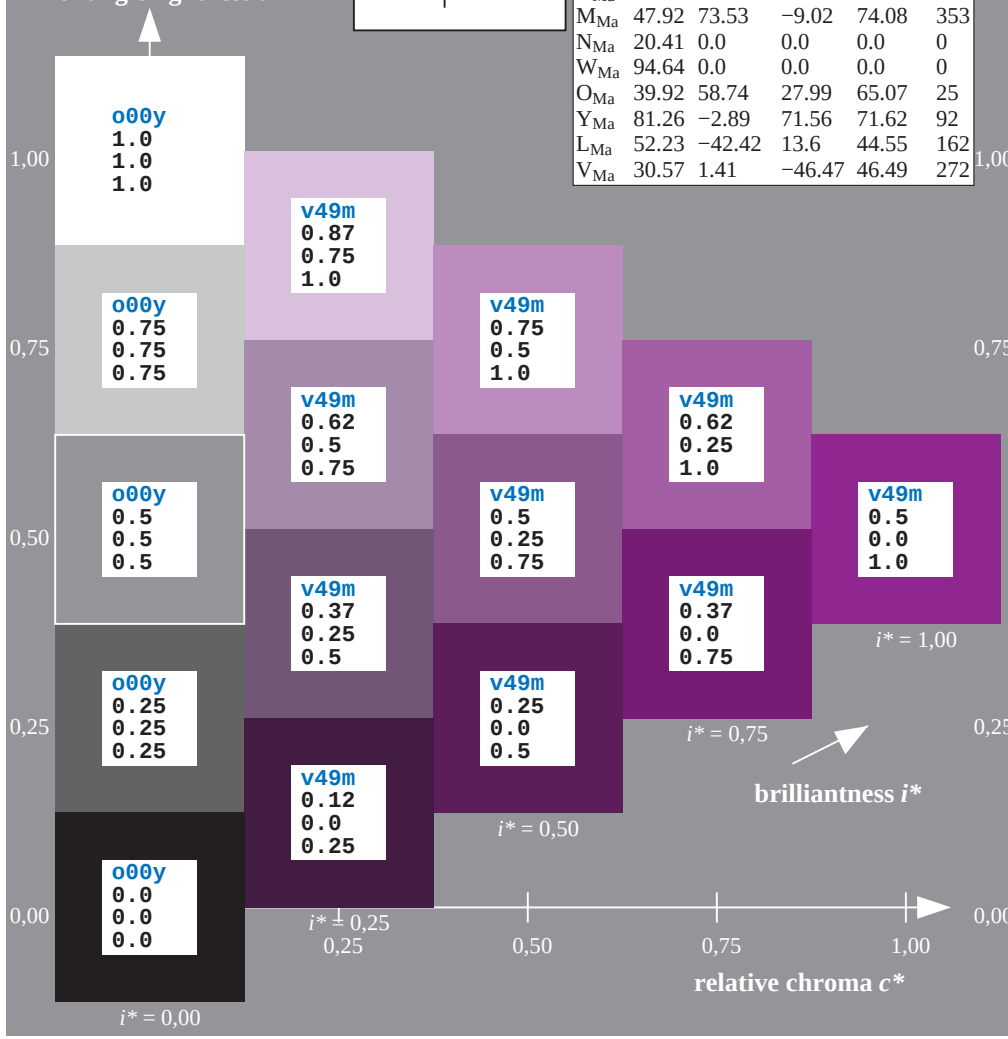
triangle lightness *t**

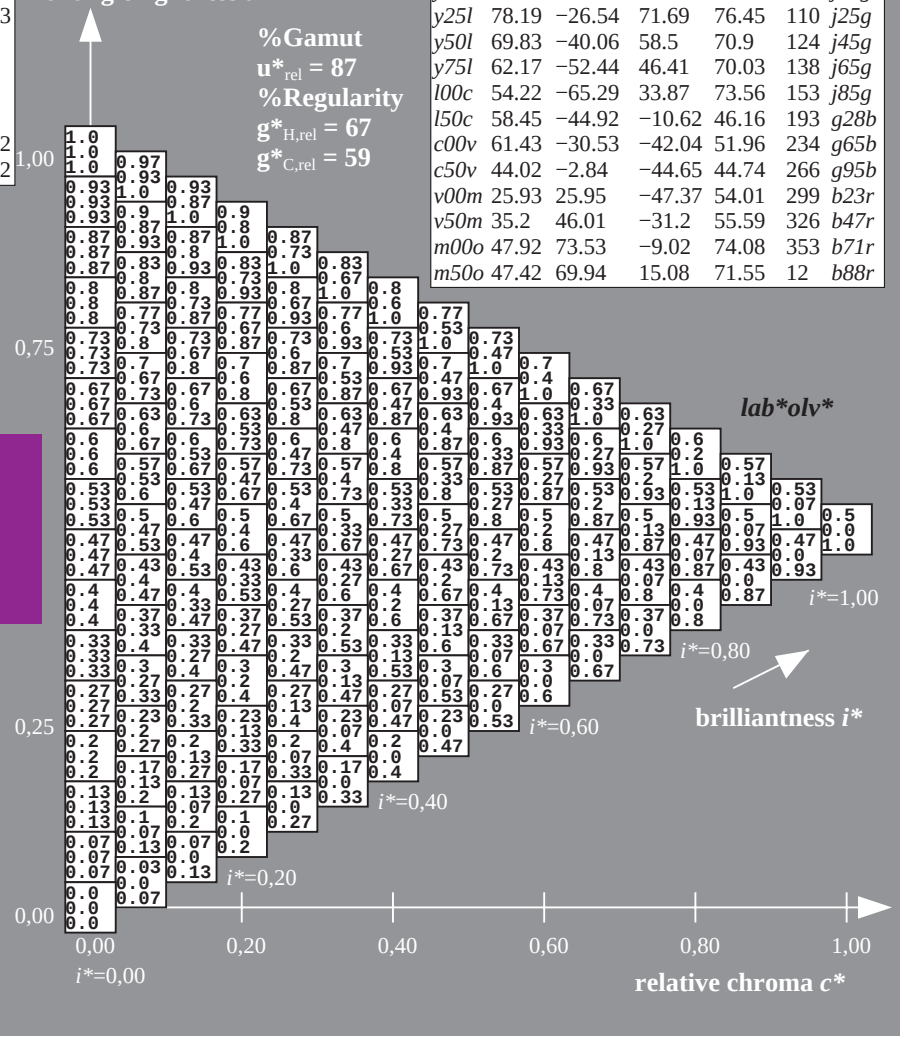
u^*_d = *v50m*

*lab*olv**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

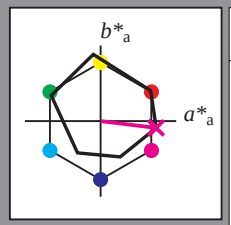




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.981$

$u^*_d = m00o$
lab*olv*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = m00o$ $u^*_e = b71r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



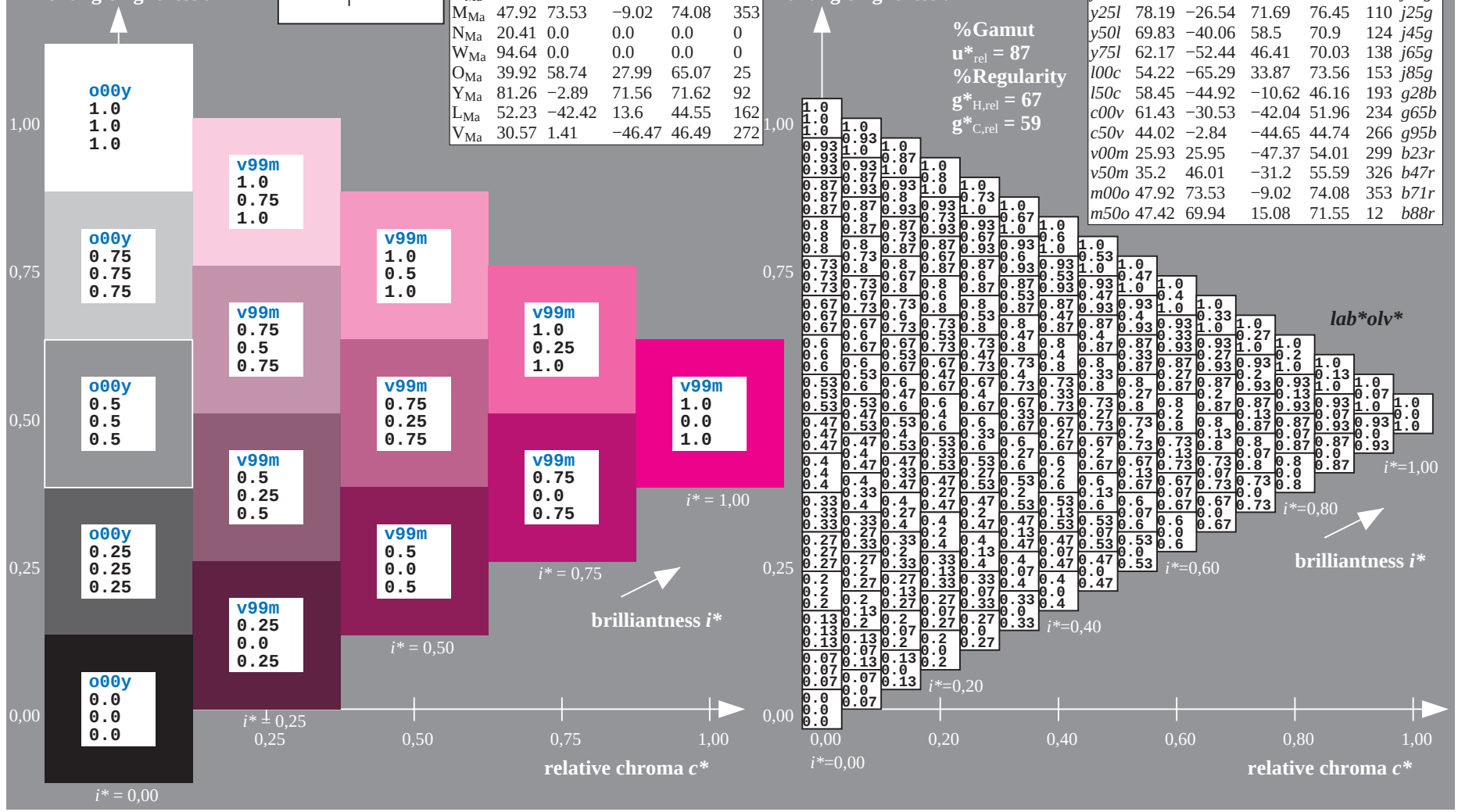
ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 48 74 −9**
***LAB*LCH*$_{Ma}$*: 48 74 353**
***lab*olv*$_{Ma}$*: 1.0 0.0 1.0**
***lab*rgb*$_{Ma}$*: 1.0 0.0 0.57**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.034$

data for any colour:

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

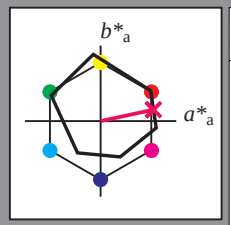
Hue texts:

u^*_d = *m50o* u^*_e = *b88r*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 47 70 15

*LAB*LCH**$_{Ma}$: 47 72 12

*lab*olv**$_{Ma}$: 1.0 0.0 0.5

*lab*rgb**$_{Ma}$: 1.0 0.0 0.23

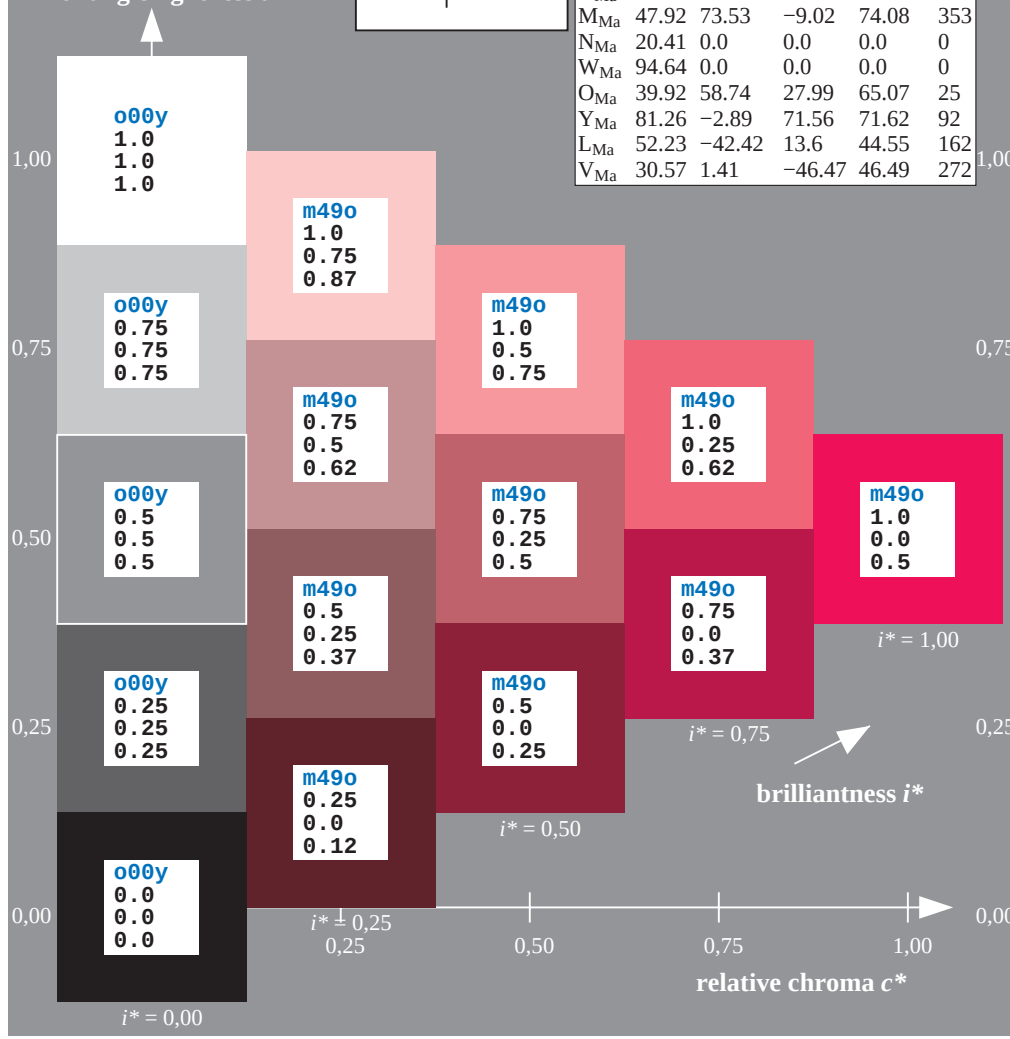
triangle lightness *t**

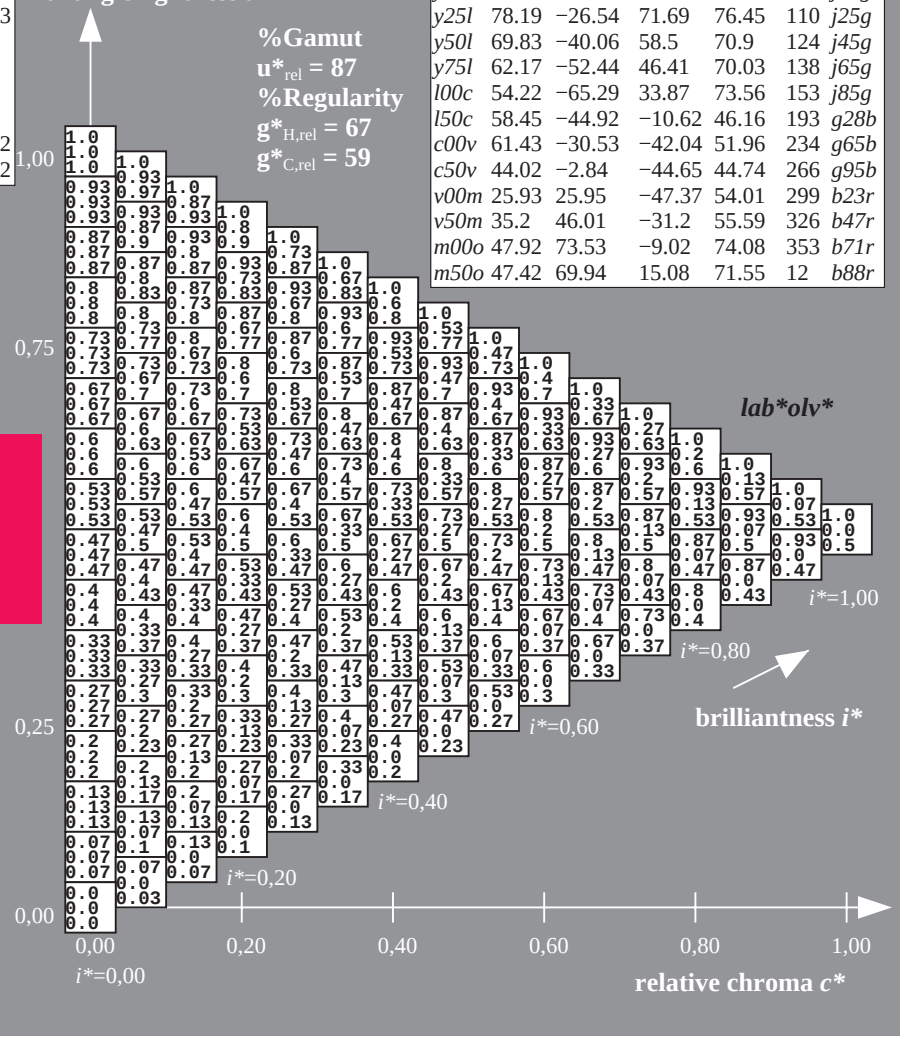
u^*_d = *m50o*

*lab*olv**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



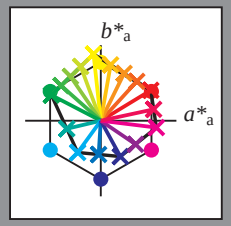


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	*lab*olv**			
01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.13	0.13	0.13
	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13
	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13
03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.25	0.25	0.25
	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.25	0.25	0.25	0.25
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.25	0.25	0.25	0.25
04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38
	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38
	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38
05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	1.0	0.87	0.75	0.62	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5
	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5
06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.63	0.63	0.63	0.63
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	1.0	0.87	0.75	0.62	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63
	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63
07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.75	0.75	0.75	0.75
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.13	0.0	0.75	0.75	0.75	0.75
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.75
08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.88	0.88	0.88	0.88
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.13	0.0	0.88	0.88	0.88	0.88
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.88	0.88	0.88
09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.12	0.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	1.0	1.0	1.0	1.0
10	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
11	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.88	0.88	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.07	0.07	0.07	0.07
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.07	0.07	0.07	0.07
	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.07	0.07	0.07	0.07
12	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.13	0.13	0.13	0.13
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.13	0.13	0.13	0.13
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13
13	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.62	0.2	0.2	0.2	0.2
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.2	0.2	0.2	0.2
	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.2	0.2	0.2	0.2
14	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.27	0.27	0.27	0.27
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.27	0.27	0.27	0.27
	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.27	0.27	0.27	0.27
15	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.33	0.33	0.33	0.33
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.33	0.33	0.33	0.33
	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.33	0.33	0.33	0.33
16	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.4	0.4	0.4	0.4
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.4	0.4	0.4	0.4
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.4	0.4	0.4	0.4
17	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.47	0.47	0.47	0.47
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.87	1.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.47	0.47	0.47	0.47
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.47	0.47	0.47	0.47
18	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.53	0.53	0.53	0.53
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.87	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.53	0.53	0.53	0.53
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.53	0.53	0.53	0.53
19	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.6	0.6	0.6	0.6
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.6	0.6	0.6
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.6	0.6	0.6	0.6
20	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.67	0.67	0.67	0.67
	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.67	0.67	0.67	0.67
	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.67	0.67	0.67	0.67
21	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.73	0.73	0.73	0.73
	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.73	0.73	0.73	0.73
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.73	0.73	0.73	0.73
22	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.8	0.8	0.8	0.8
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.63	0.63	0.63	0.63	0.

Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
u^*_d and number *no.* = 00 .. 15
device hue text:
u^*_d = 16 hues *o00y, o25y, ..., m50o*
contrast reduction factor:
c_R = 1.0

ORS20_95a; adapted (a) CIELAB data

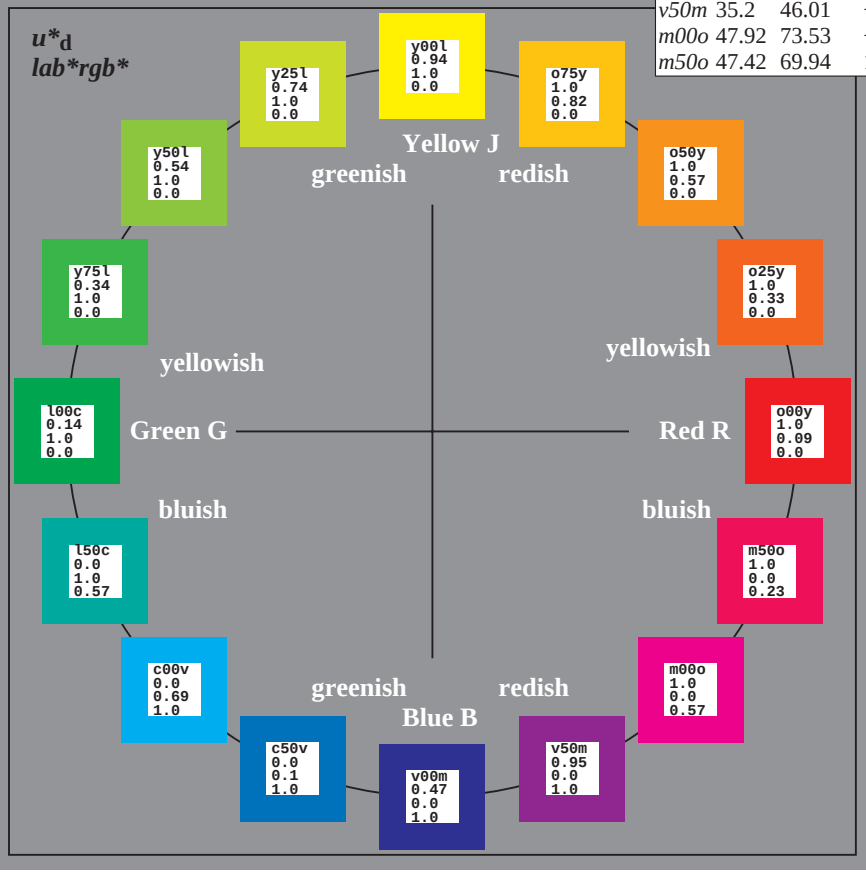
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

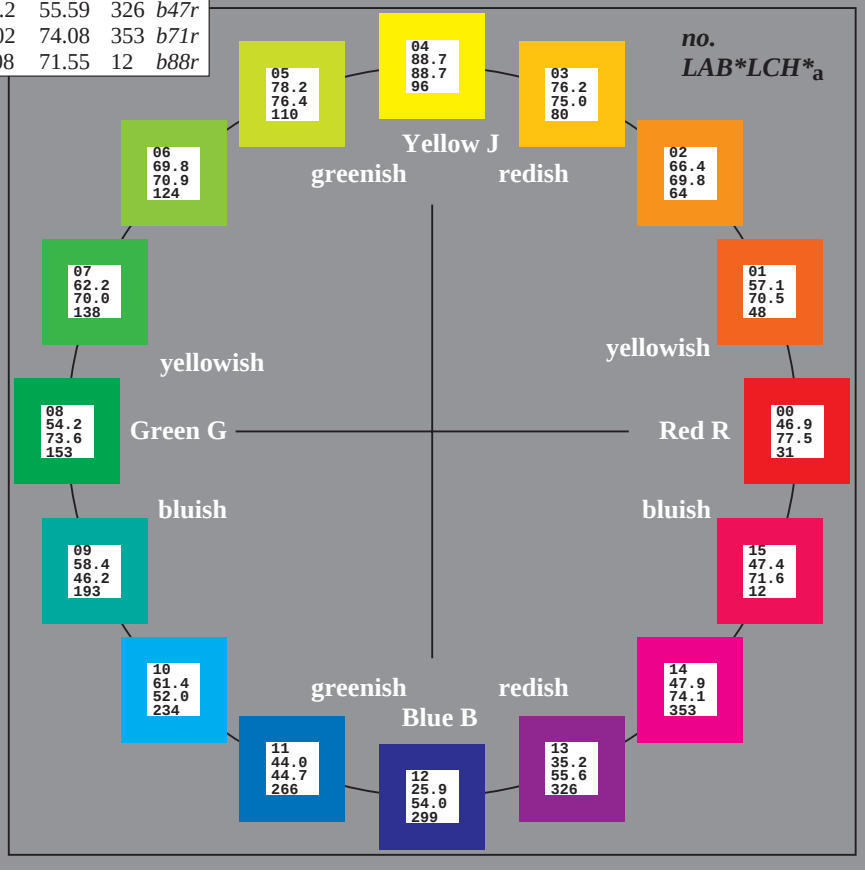


%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 67
$g^*_{C,rel}$ = 59

ORS20_95a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	−46.47	46.49	272





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$

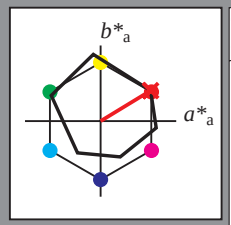
u^*_d = *o00y*
lab*rgb*

data for any colour:
*lab*tch** and *lab*icu**

Hue texts:
u^*_d = *o00y* u^*_e = *r09j*

contrast reduction factor:
$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 47 66 40**

***LAB*LCH**$_{Ma}$: 47 77 31**

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

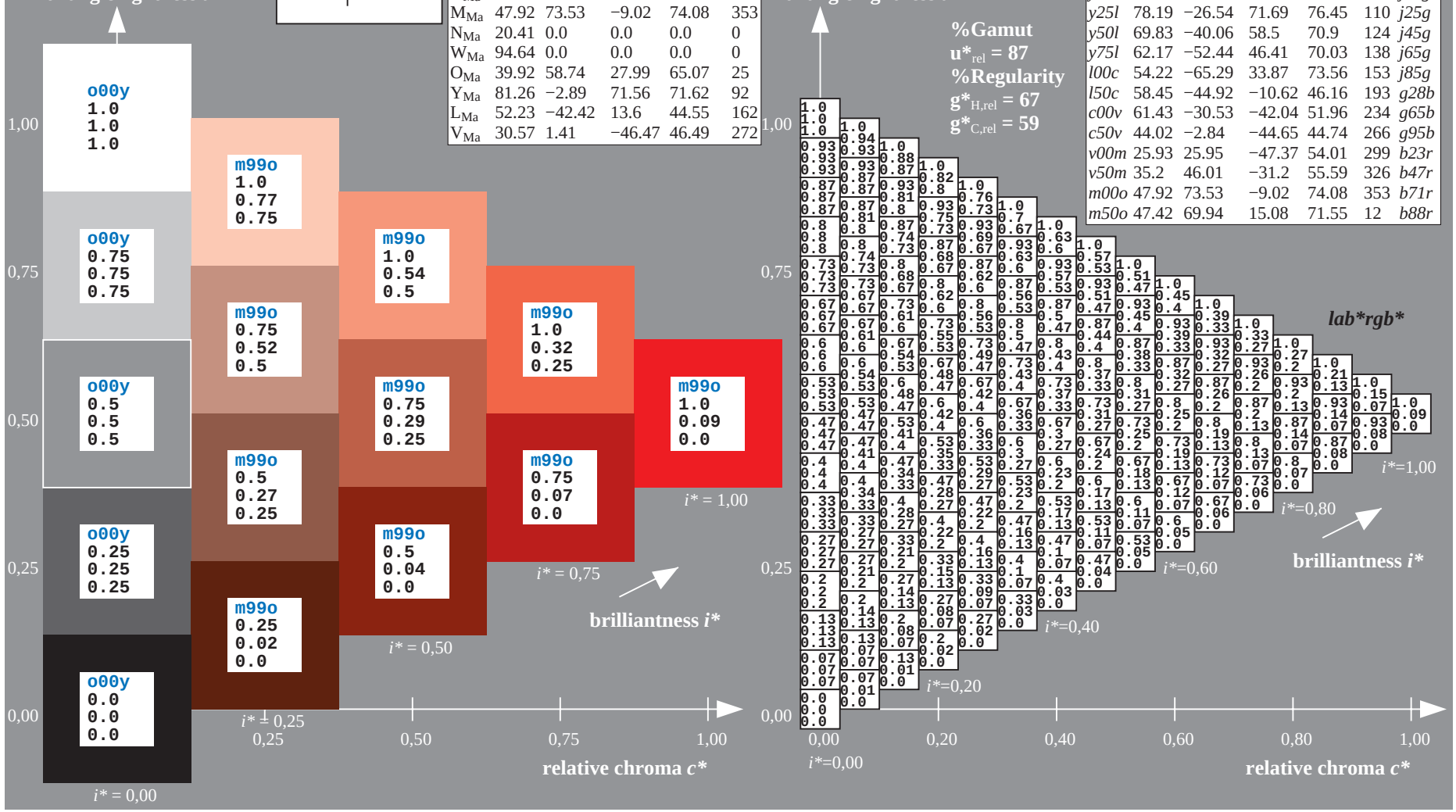
***lab*rgb**$_{Ma}$: 1.0 0.09 0.0**

triangle lightness *t**

%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 67
$g^*_{C,rel}$ = 59

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

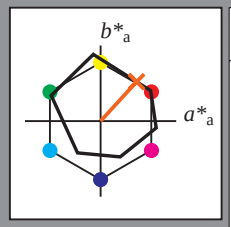
Hue texts:

u^*_d = *o25y* u^*_e = *r33j*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 57 48 52

*LAB*LCH**$_{Ma}$: 57 71 47

*lab*olv**$_{Ma}$: 1.0 0.25 0.0

*lab*rgb**$_{Ma}$: 1.0 0.33 0.0

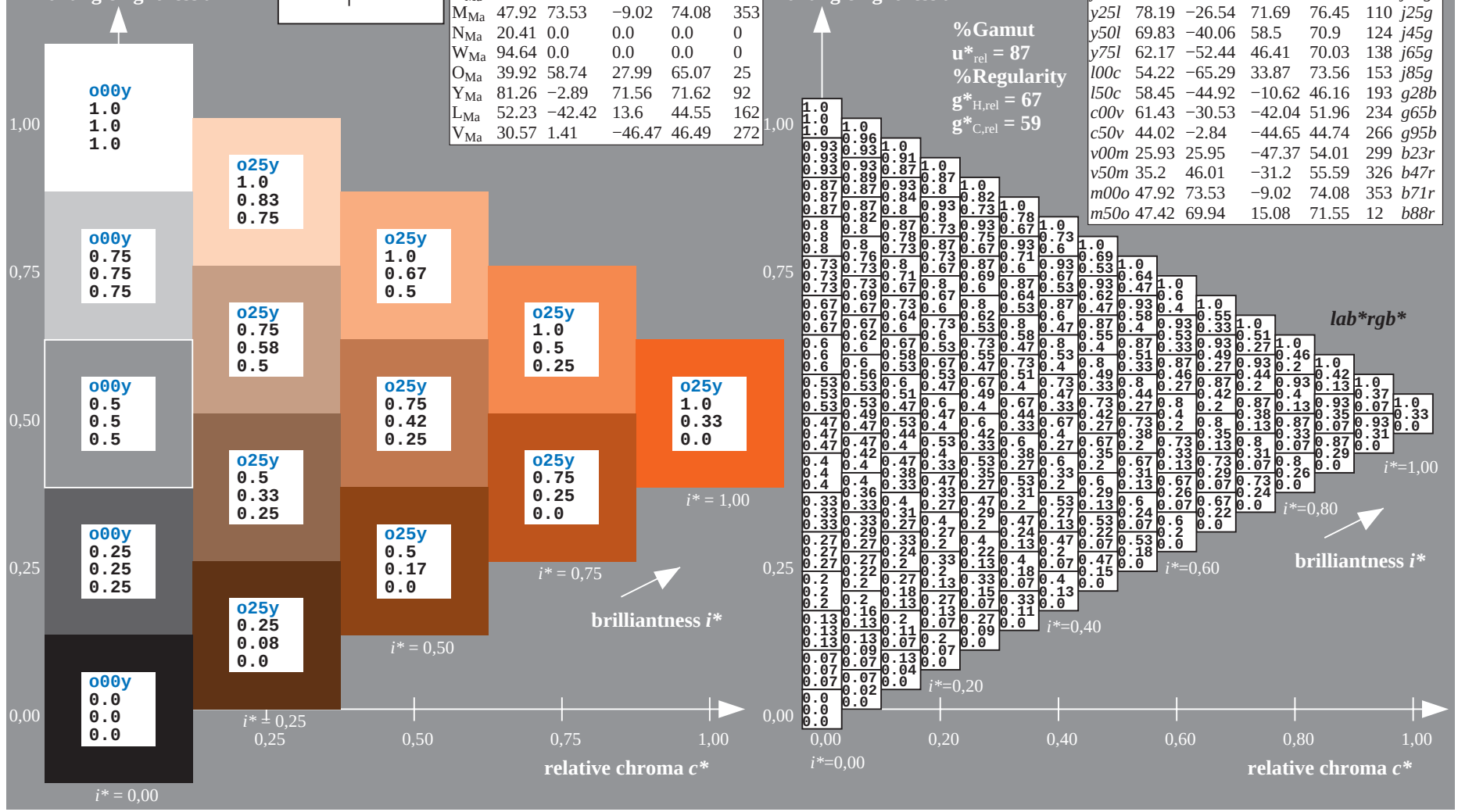
triangle lightness *t**

u^*_d = *o25y*

*lab*rgb**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.177$

data for any colour:

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

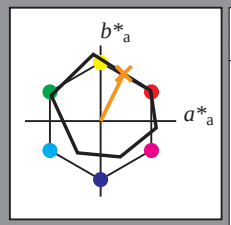
Hue texts:

u^*_d = *o50y* u^*_e = *r57j*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 66 31 63

*LAB*LCH**$_{Ma}$: 66 70 63

*lab*olv**$_{Ma}$: 1.0 0.5 0.0

*lab*rgb**$_{Ma}$: 1.0 0.57 0.0

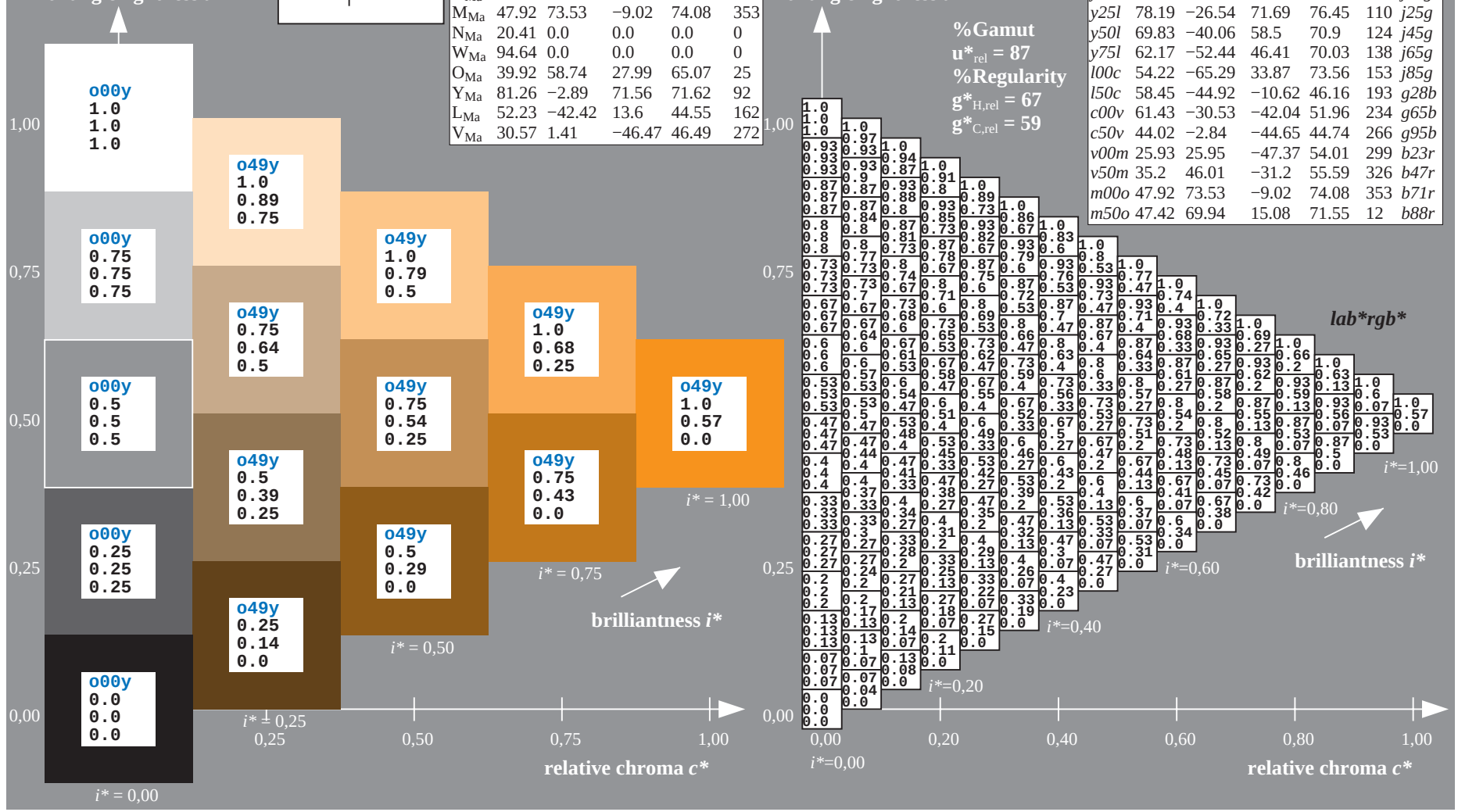
triangle lightness *t**

u^*_d = *o50y*

*lab*rgb**

ORS20_95a; adapted (a) CIELAB data

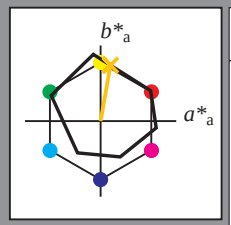
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.222$

$u^*_d = o75y$
lab*rgb*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = o75y$ $u^*_e = r81j$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



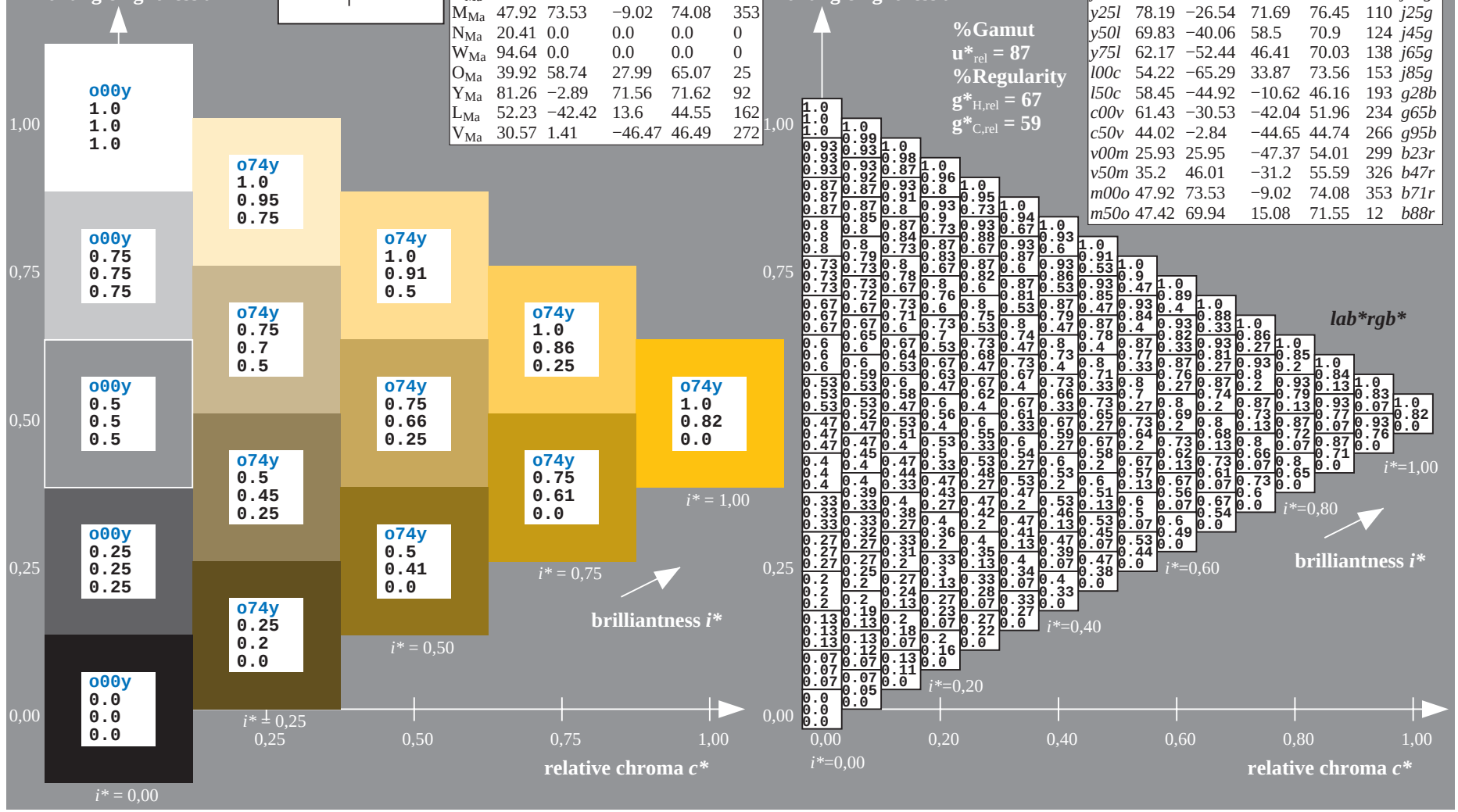
ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 76 13 74**
***LAB*LCH*$_{Ma}$*: 76 75 79**
***lab*olv*$_{Ma}$*: 1.0 0.75 0.0**
***lab*rgb*$_{Ma}$*: 1.0 0.82 0.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.267$

data for any colour:

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

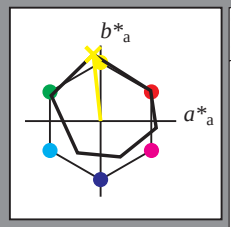
Hue texts:

u^*_d = *y00l* u^*_e = *j06g*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 89 −10 88

*LAB*LCH**$_{Ma}$: 89 89 96

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

*lab*rgb**$_{Ma}$: 0.94 1.0 0.0

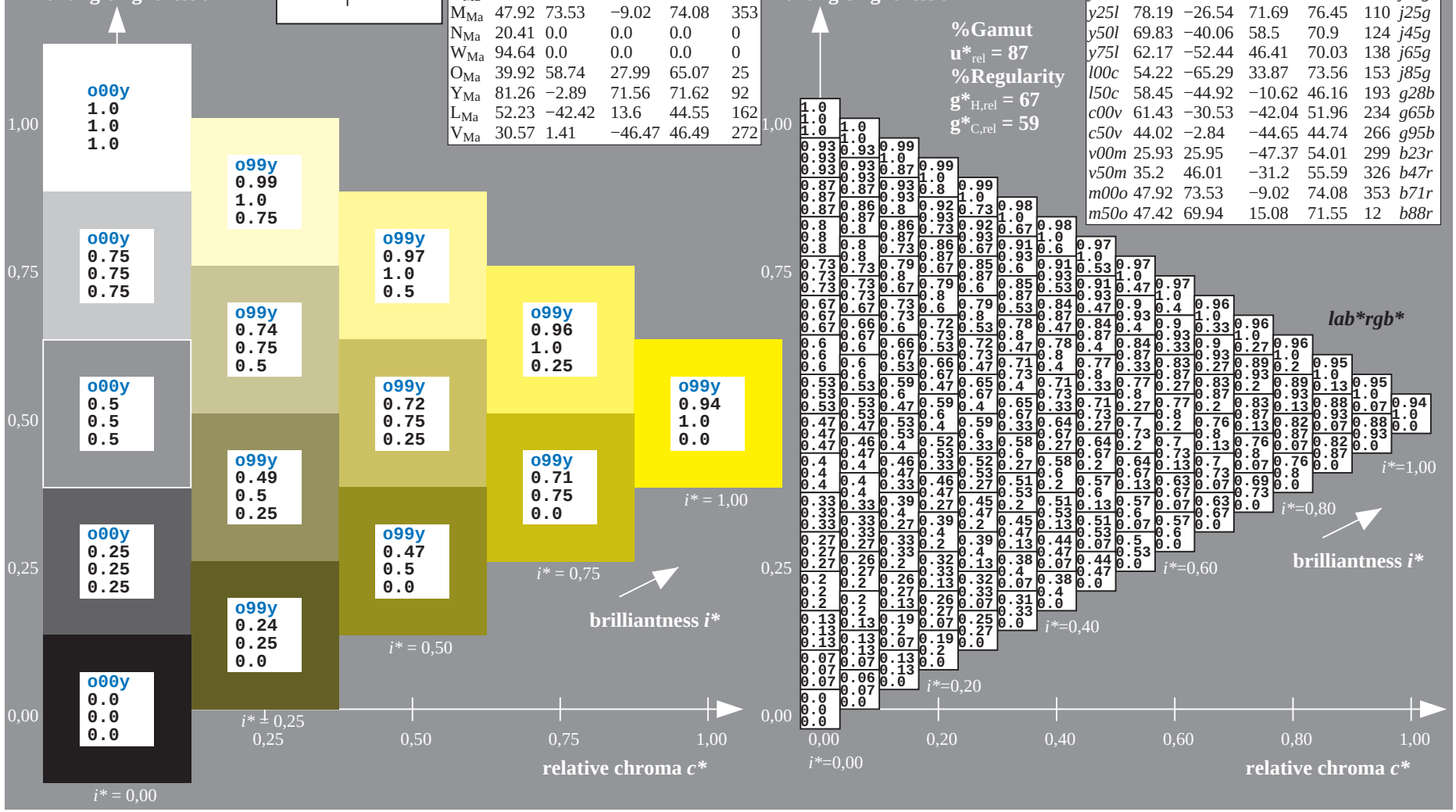
triangle lightness *t**

u^*_d = *y00l*

*lab*rgb**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.306$

data for any colour:

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

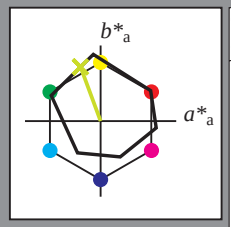
Hue texts:

$u^*_d = y25l$ $u^*_e = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 78 −27 72

*LAB*LCH**$_{Ma}$: 78 76 110

*lab*olv**$_{Ma}$: 0.75 1.0 0.0

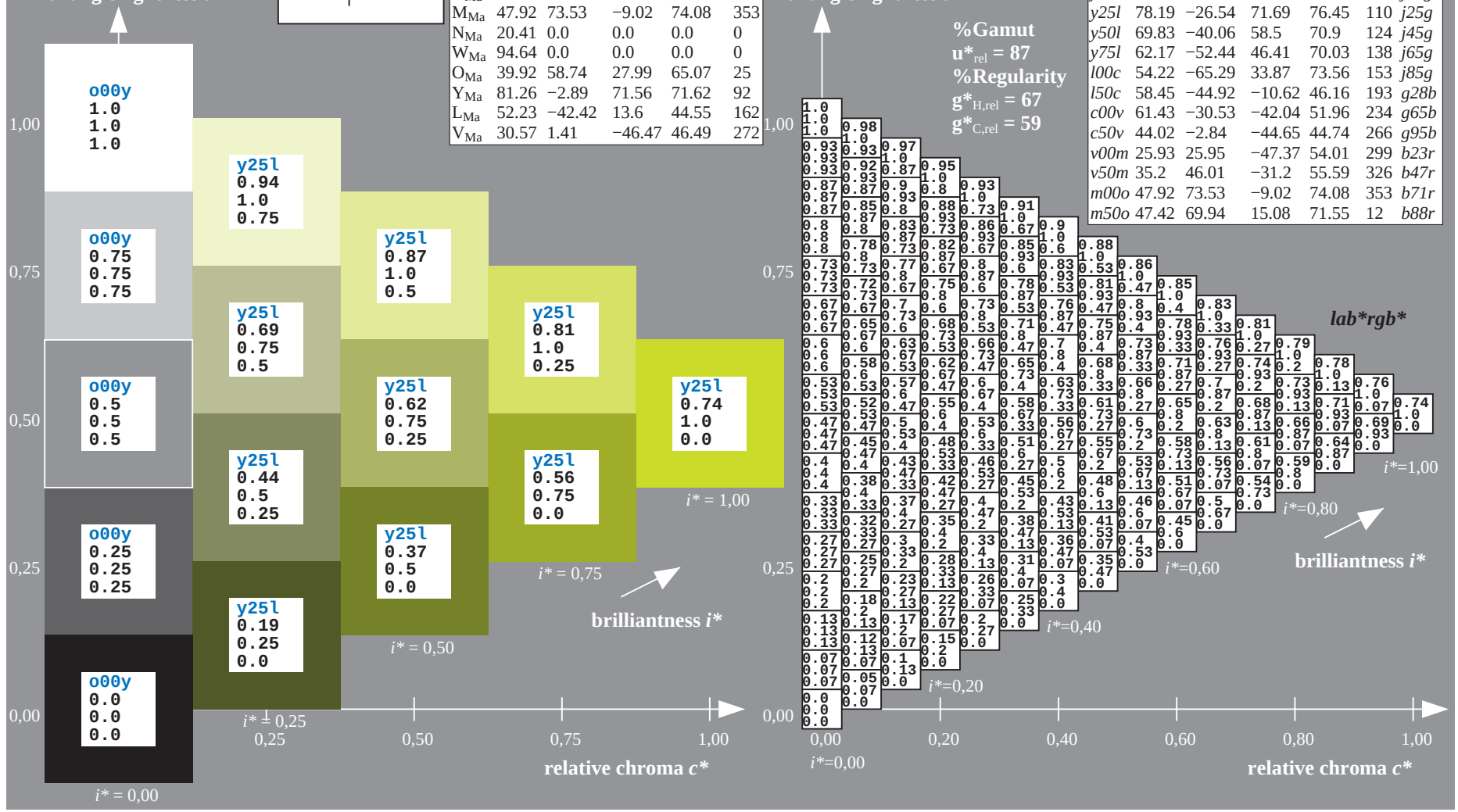
*lab*rgb**$_{Ma}$: 0.74 1.0 0.0

triangle lightness *t**

$u^*_d = y25l$
*lab*rgb**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.346$

data for any colour:

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

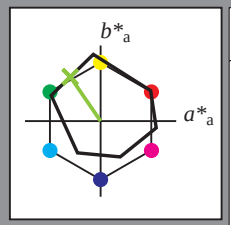
Hue texts:

$u^*_d = y50l$ $u^*_e = j45g$

contrast reduction factor:

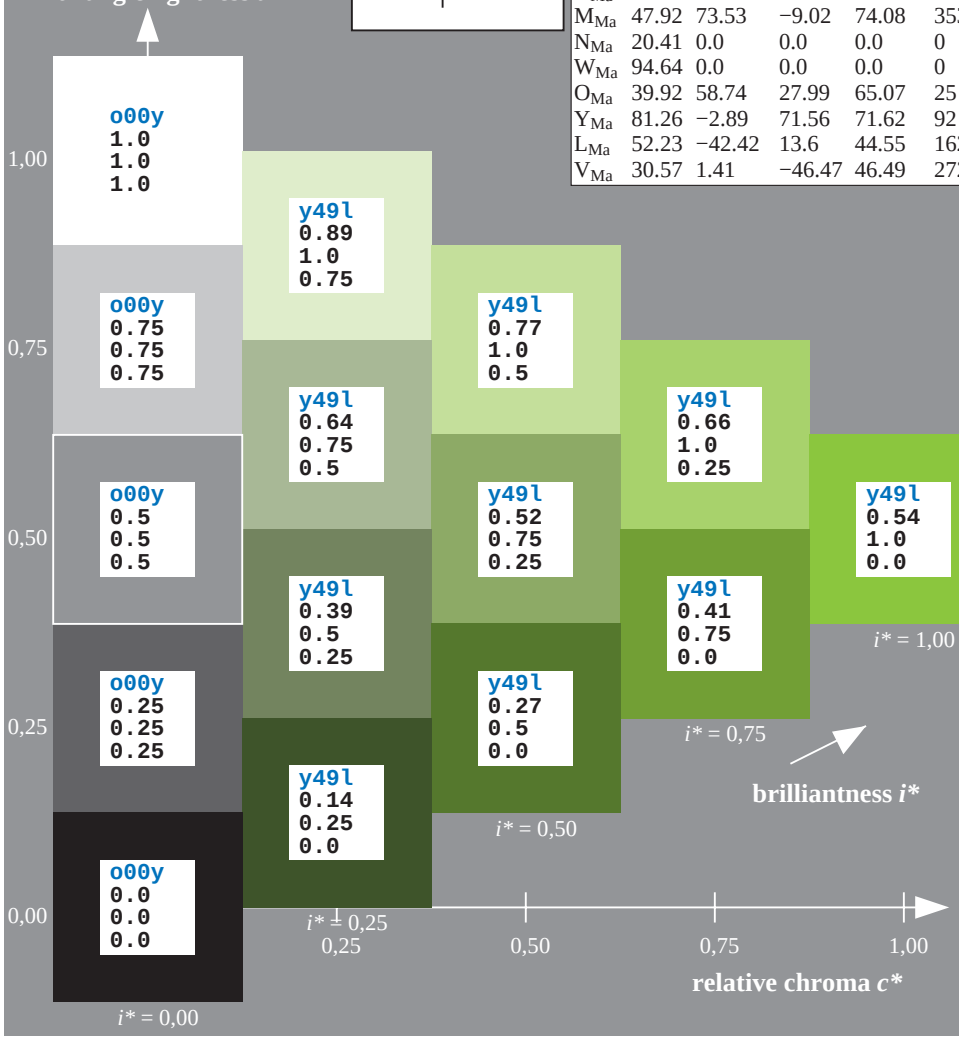
$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 70 −40 58

*LAB*LCH**$_{Ma}$: 70 71 124

*lab*olv**$_{Ma}$: 0.5 1.0 0.0

*lab*rgb**$_{Ma}$: 0.54 1.0 0.0

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

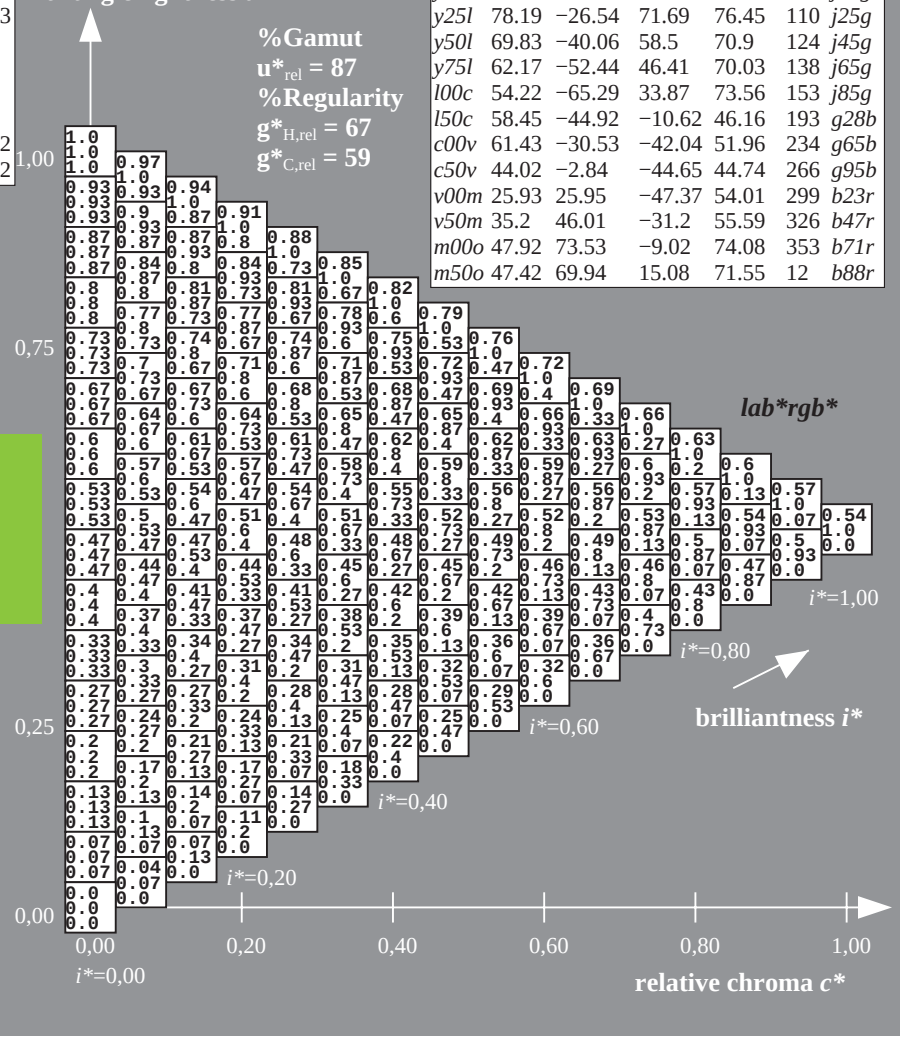
$g^*_{C,rel} = 59$

$u^*_d = y50l$

*lab*rgb**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.385$

data for any colour:

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

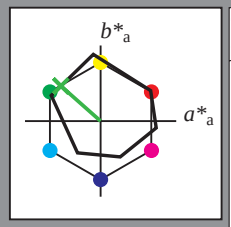
Hue texts:

$u^*_d = y75l$ $u^*_e = j65g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 62 −52 46

*LAB*LCH**$_{Ma}$: 62 70 138

*lab*olv**$_{Ma}$: 0.25 1.0 0.0

*lab*rgb**$_{Ma}$: 0.34 1.0 0.0

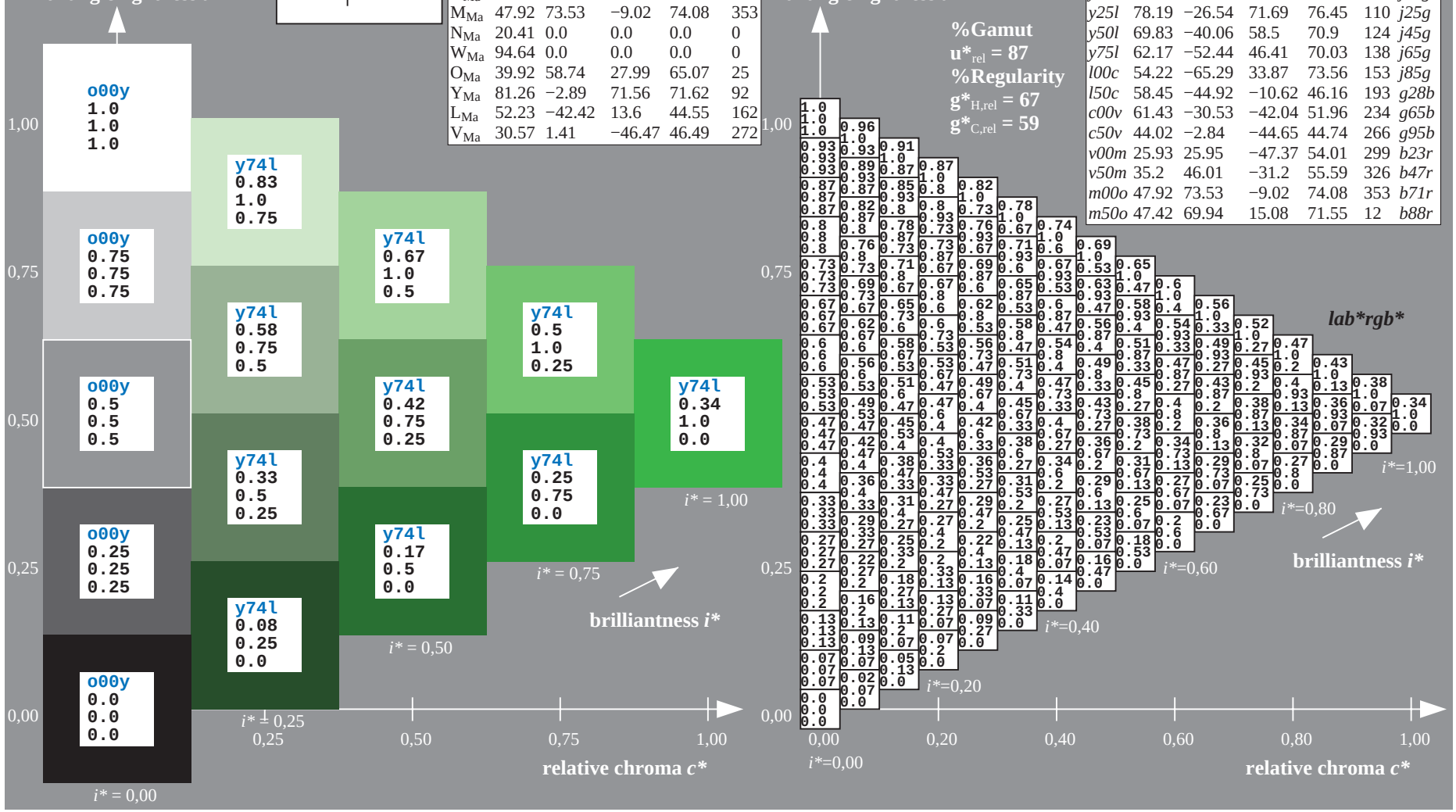
triangle lightness *t**

$u^*_d = y75l$

*lab*rgb**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.424$

data for any colour:

lab*tch** and *lab*icu*

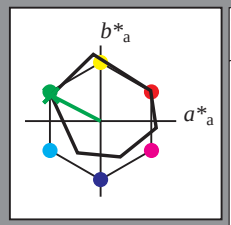
Hue texts:

$u^*_d = l00c$ $u^*_e = j85g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

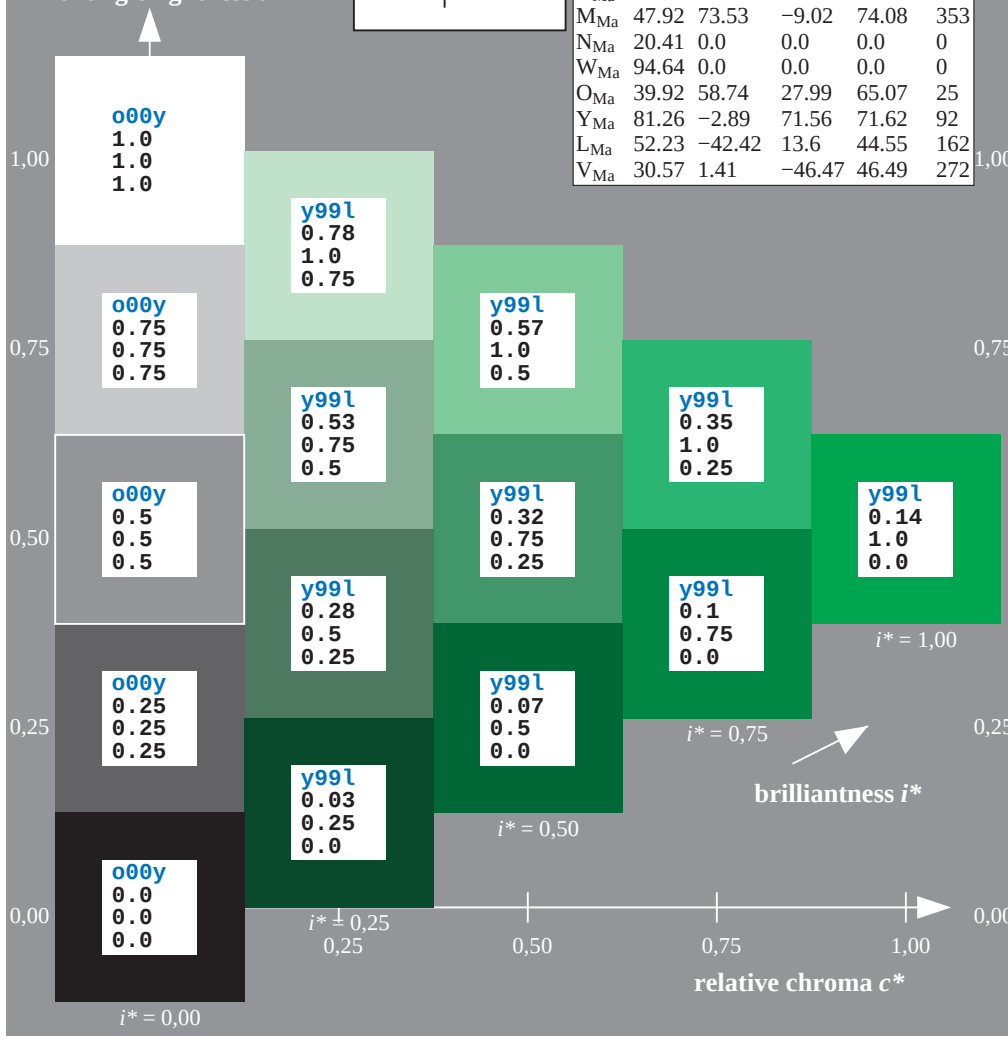
***LAB*LAB**$_{Ma}$: 54 −65 34**

***LAB*LCH**$_{Ma}$: 54 74 152**

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

***lab*rgb**$_{Ma}$: 0.14 1.0 0.0**

triangle lightness *t**



%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

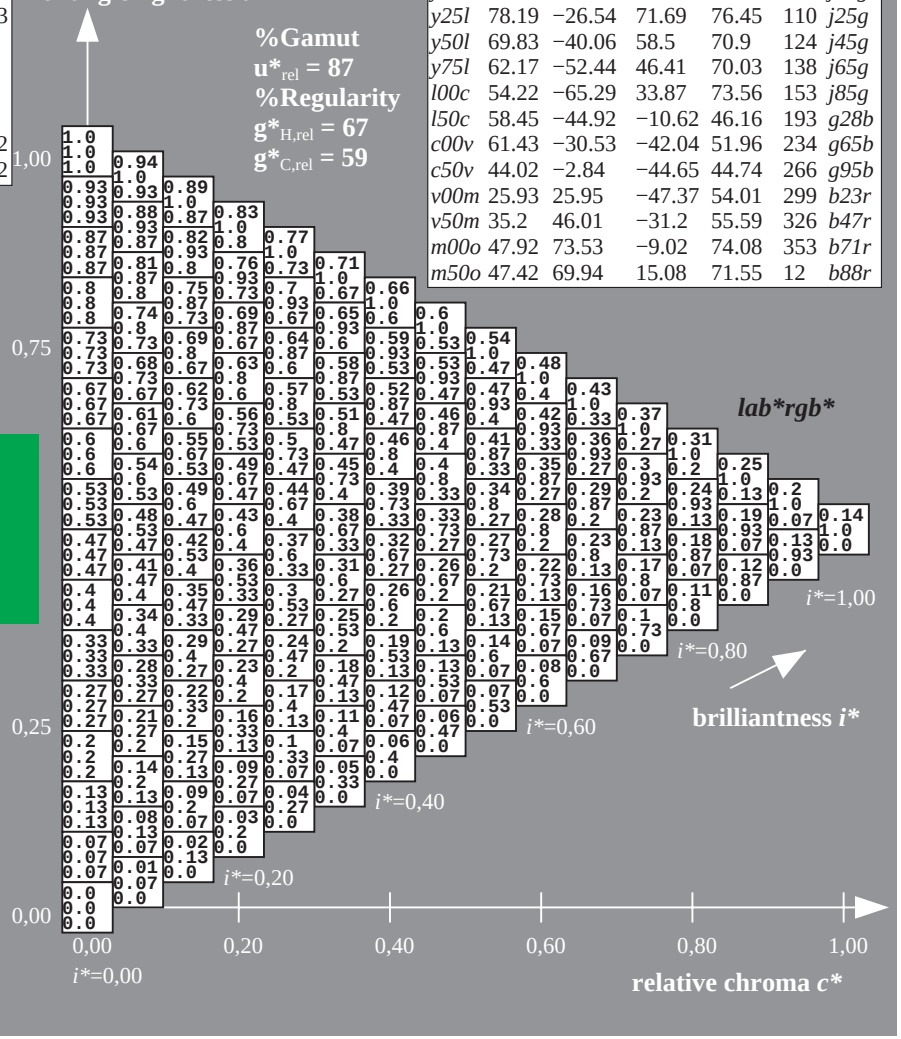
$g^*_{C,rel} = 59$

$u^*_d = l00c$

lab*rgb*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.537$

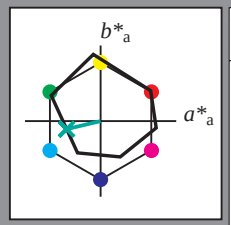
$u^*_d = l50c$
lab*rgb*

data for any colour:
*lab*tch** and *lab*icu**

Hue texts:
$u^*_d = l50c$ $u^*_e = g28b$

contrast reduction factor:
$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*$_{Ma}$*: 58 −45 −11**

***LAB*LCH*$_{Ma}$*: 58 46 193**

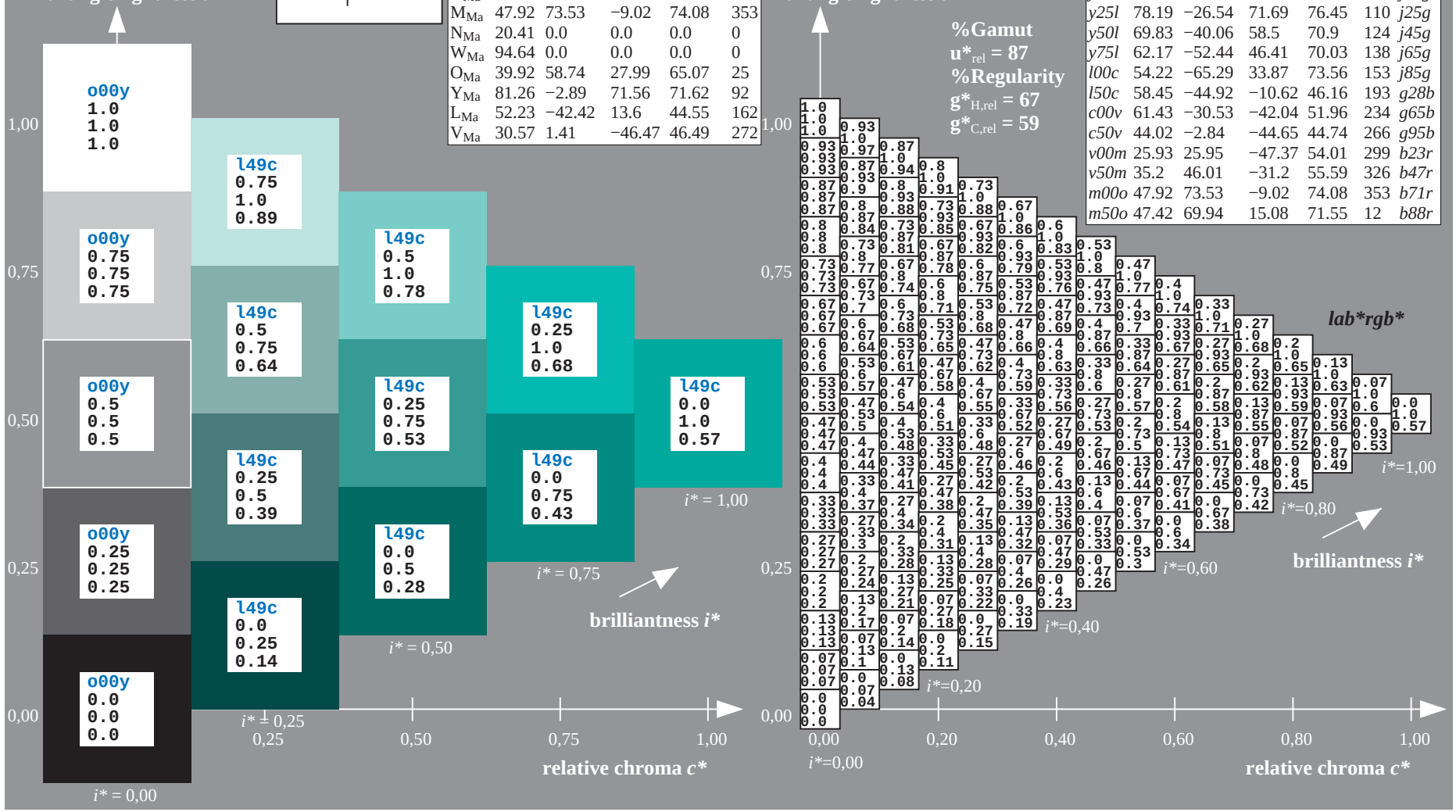
***lab*olv*$_{Ma}$*: 0.0 1.0 0.5**

***lab*rgb*$_{Ma}$*: 0.0 1.0 0.57**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 67$
$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.65$

data for any colour:

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

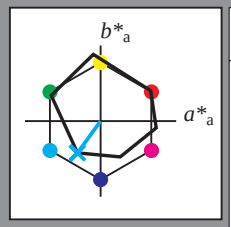
Hue texts:

$u^*_d = c00v$ $u^*_e = g65b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 61 −31 −42

*LAB*LCH**$_{Ma}$: 61 52 234

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

*lab*rgb**$_{Ma}$: 0.0 0.69 1.0

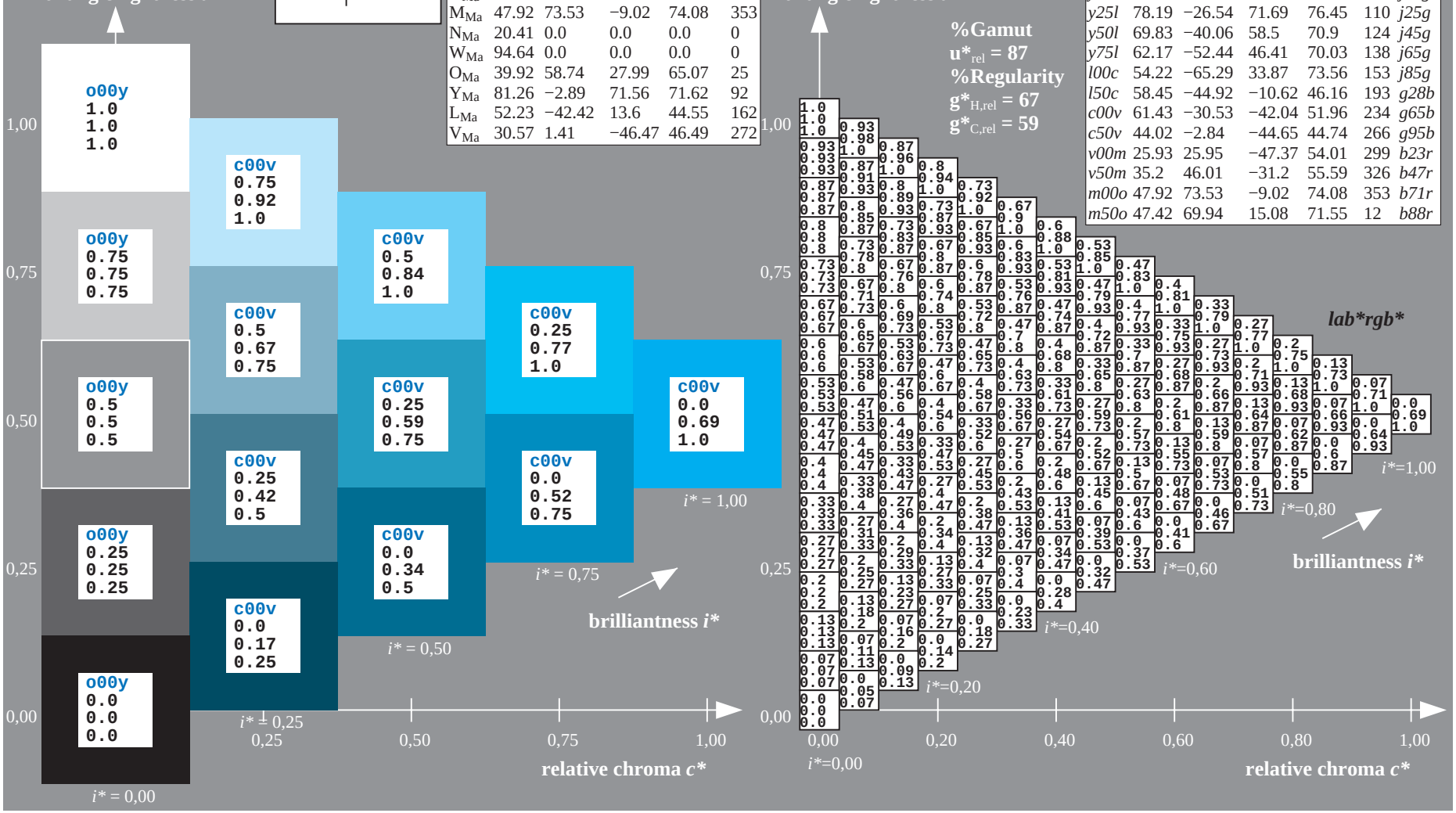
triangle lightness *t**

$u^*_d = c00v$

*lab*rgb**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.74$

data for any colour:

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

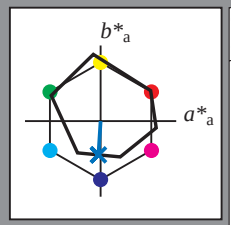
Hue texts:

$u^*_d = c50v$ $u^*_e = g95b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 44 −3 −45

*LAB*LCH**$_{Ma}$: 44 45 266

*lab*olv**$_{Ma}$: 0.0 0.5 1.0

*lab*rgb**$_{Ma}$: 0.0 0.1 1.0

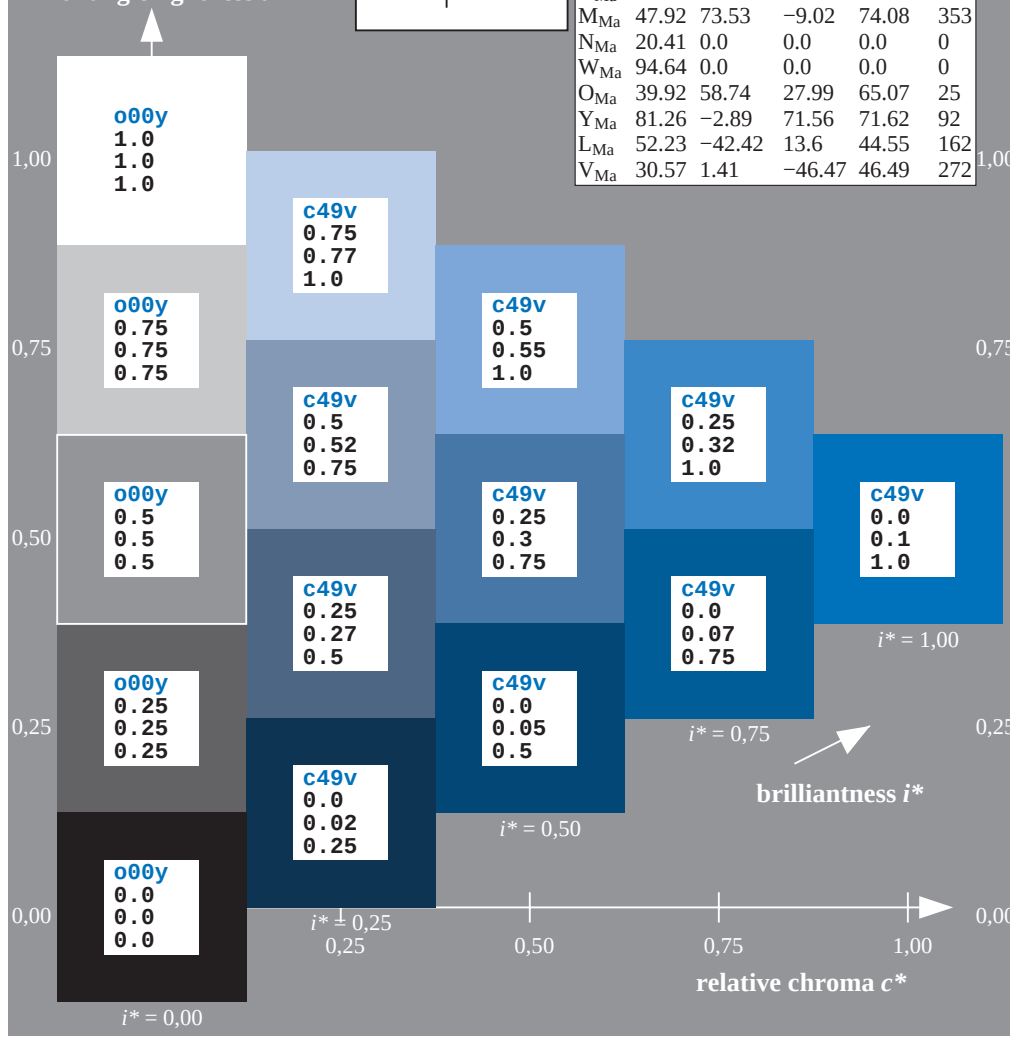
triangle lightness *t**

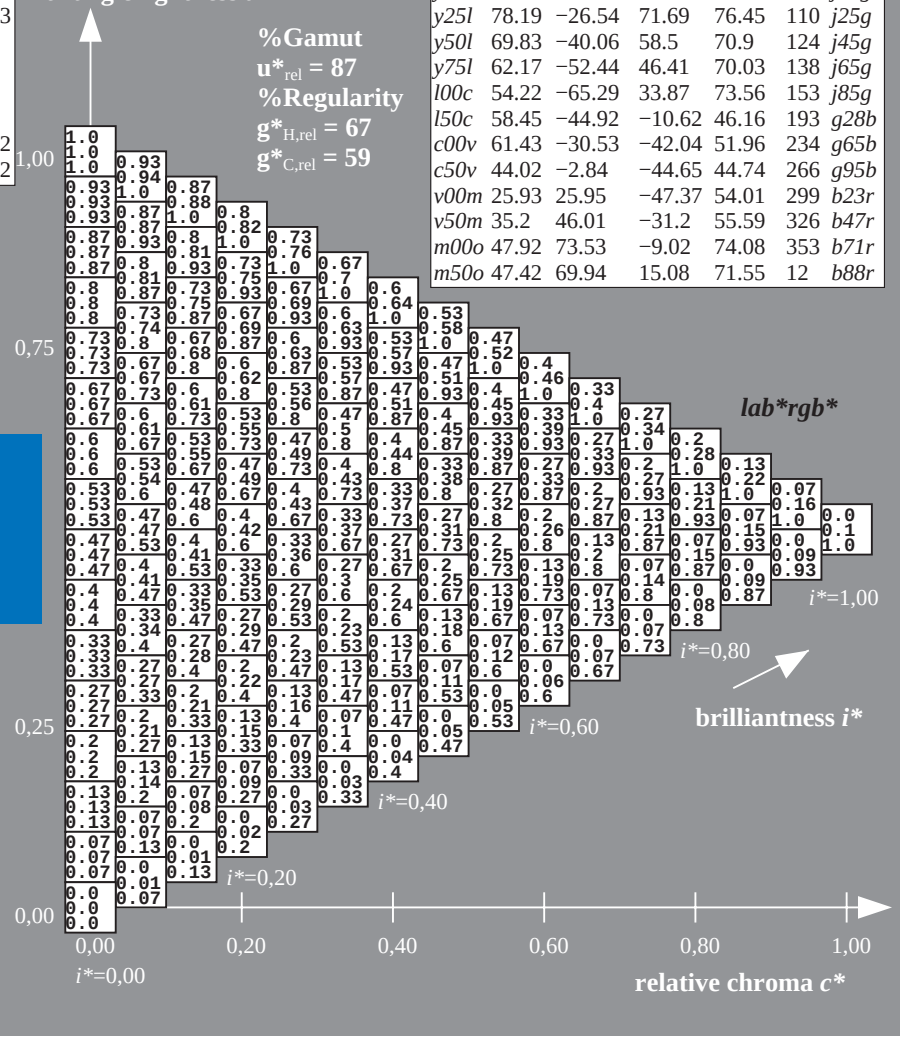
$u^*_d = c50v$

*lab*rgb**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.83$

data for any colour:

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

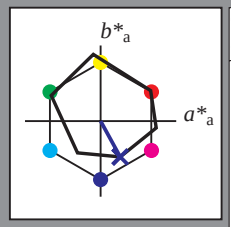
Hue texts:

u^*_d = *v00m* u^*_e = *b23r*

contrast reduction factor:

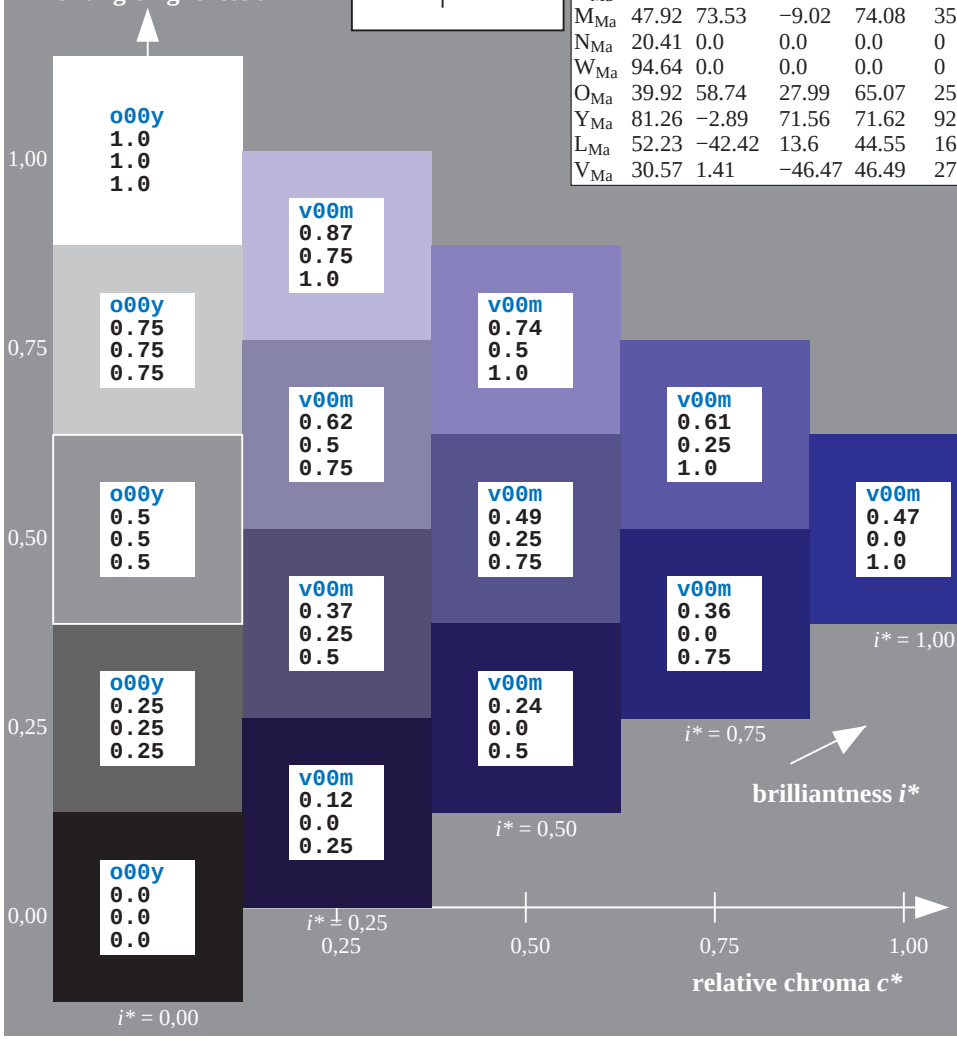
$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 26 26 −47

*LAB*LCH**$_{Ma}$: 26 54 298

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

*lab*rgb**$_{Ma}$: 0.47 0.0 1.0

triangle lightness *t**

u^*_d = *v00m*

*lab*rgb**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

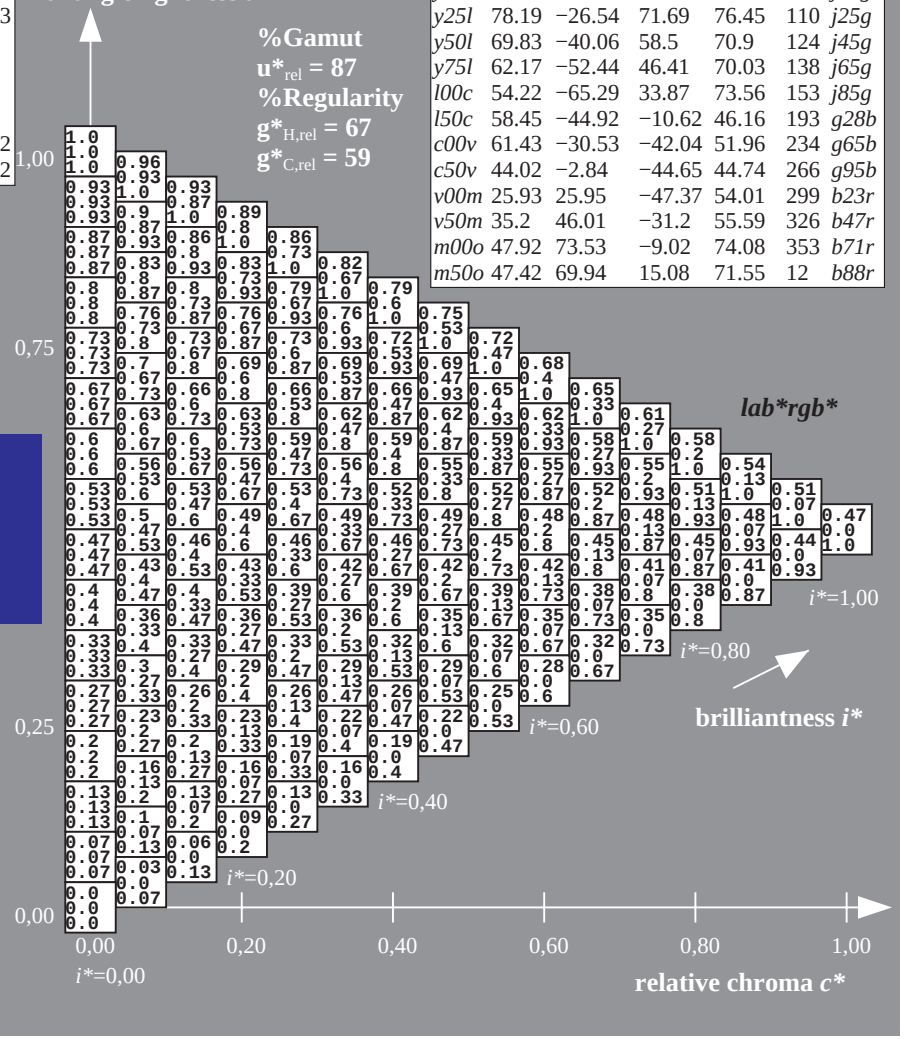
%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

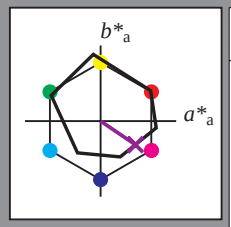
$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.905$

$u^*_d = v50m$
lab^*rgb^*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = v50m$ $u^*_e = b47r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



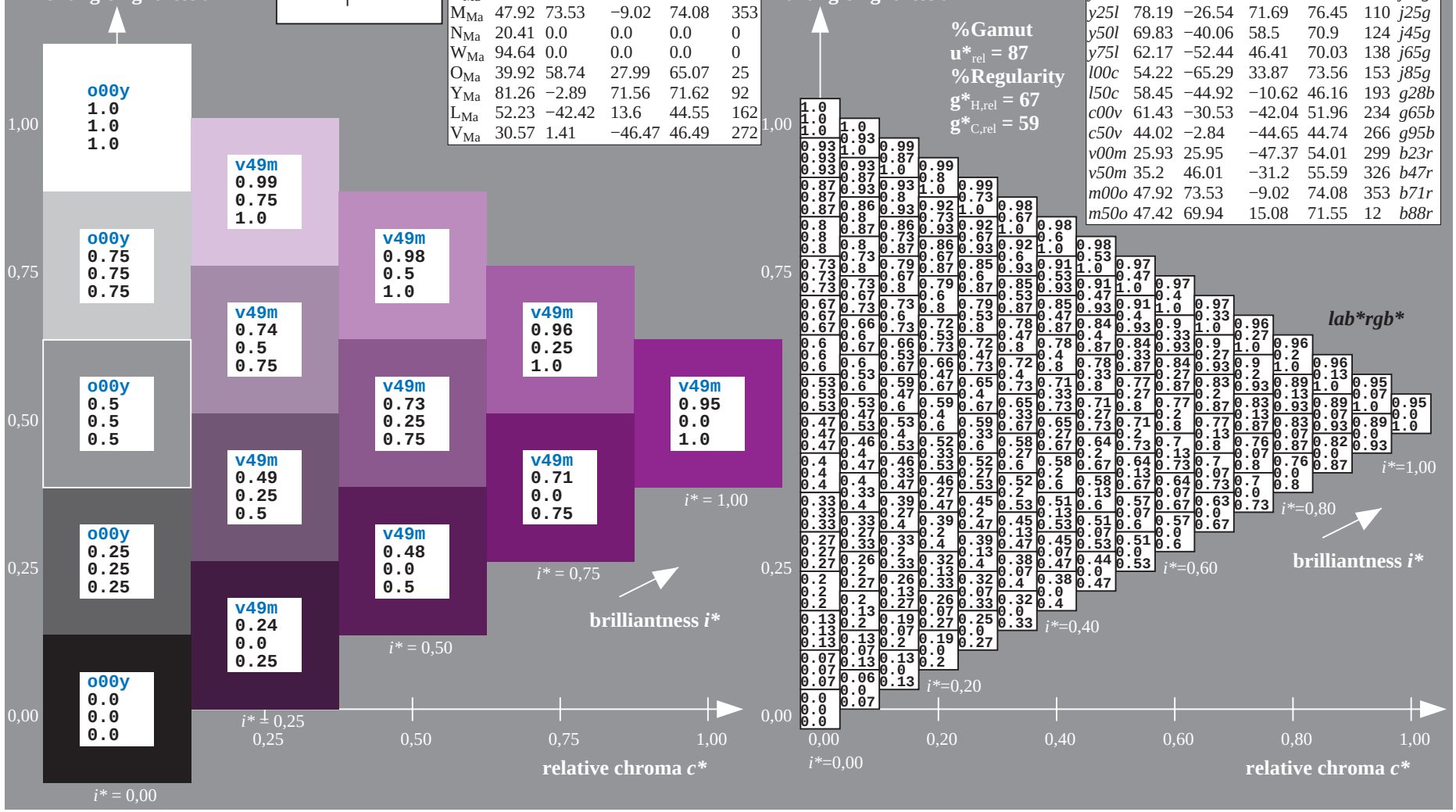
ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 35 46 −31
*LAB*LCH**$_{Ma}$: 35 56 325
*lab*olv**$_{Ma}$: 0.5 0.0 1.0
*lab*rgb**$_{Ma}$: 0.95 0.0 1.0
triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

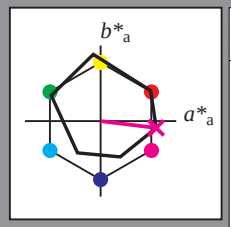
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.981$

u^*_d = *m00o*
lab*rgb*

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
u^*_d = *m00o* u^*_e = *b71r*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

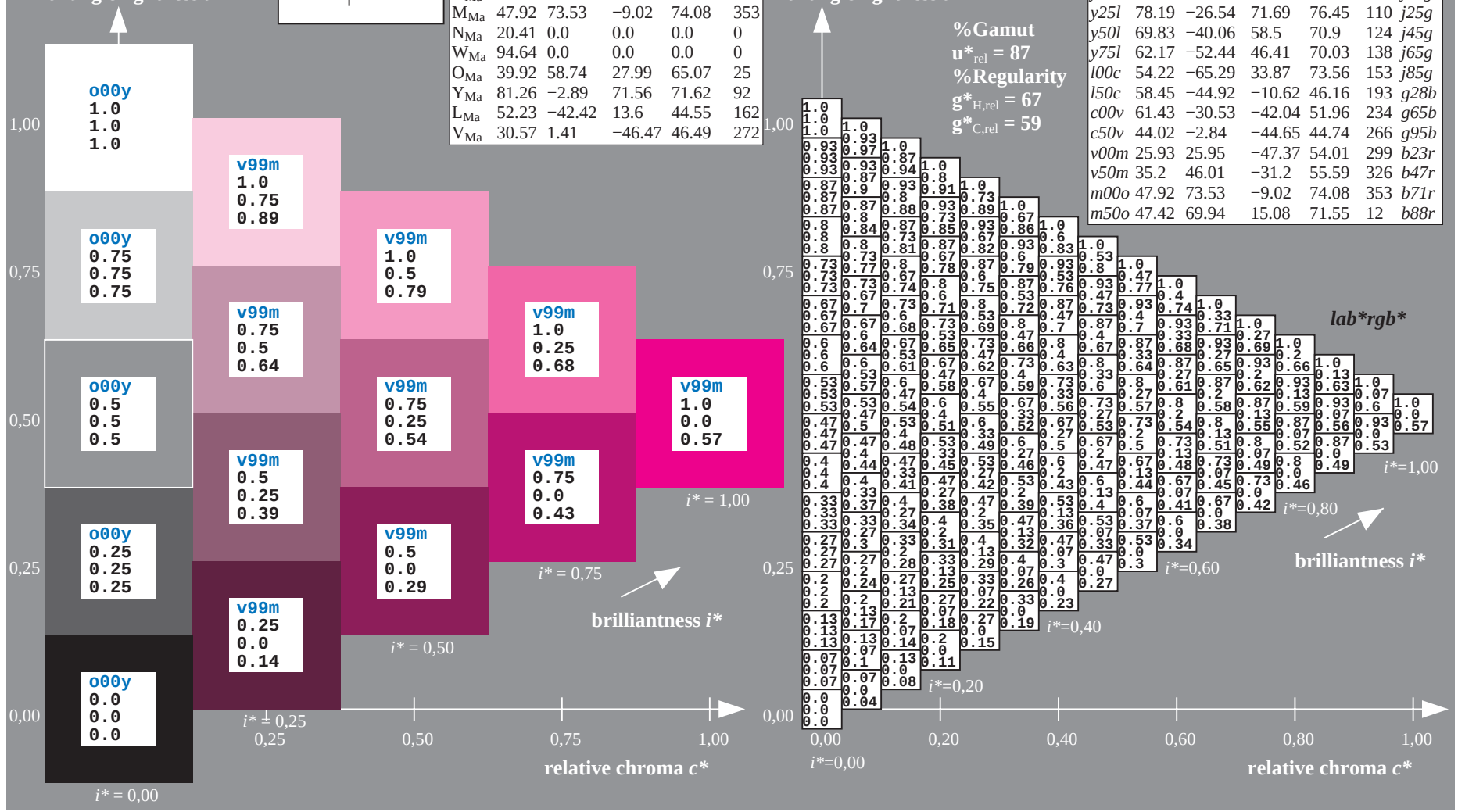
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 48 74 −9**
***LAB*LCH**$_{Ma}$: 48 74 353**
***lab*olv**$_{Ma}$: 1.0 0.0 1.0**
***lab*rgb**$_{Ma}$: 1.0 0.0 0.57**
triangle lightness *t**

%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 67
$g^*_{C,rel}$ = 59

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.034$

data for any colour:

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

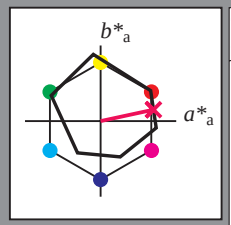
Hue texts:

u^*_d = *m50o* u^*_e = *b88r*

contrast reduction factor:

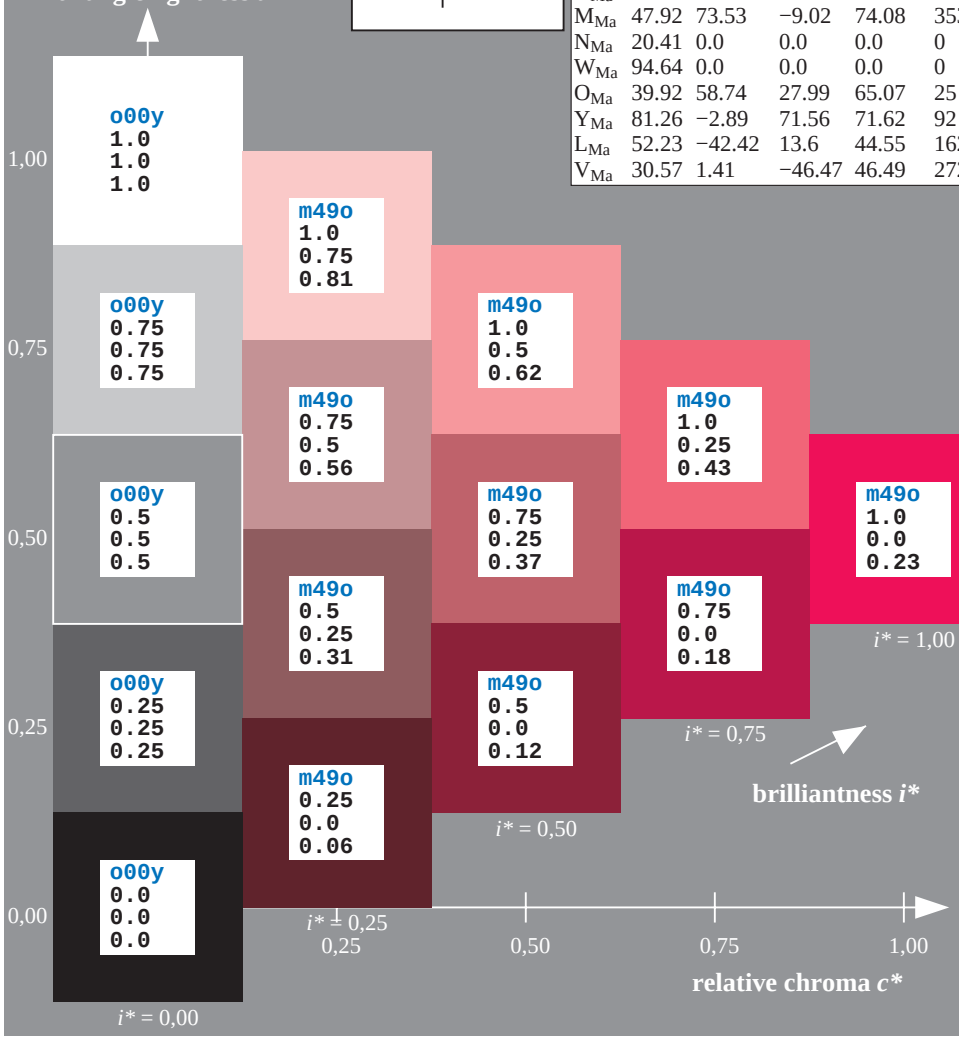
$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 47 70 15

*LAB*LCH**$_{Ma}$: 47 72 12

*lab*olv**$_{Ma}$: 1.0 0.0 0.5

*lab*rgb**$_{Ma}$: 1.0 0.0 0.23

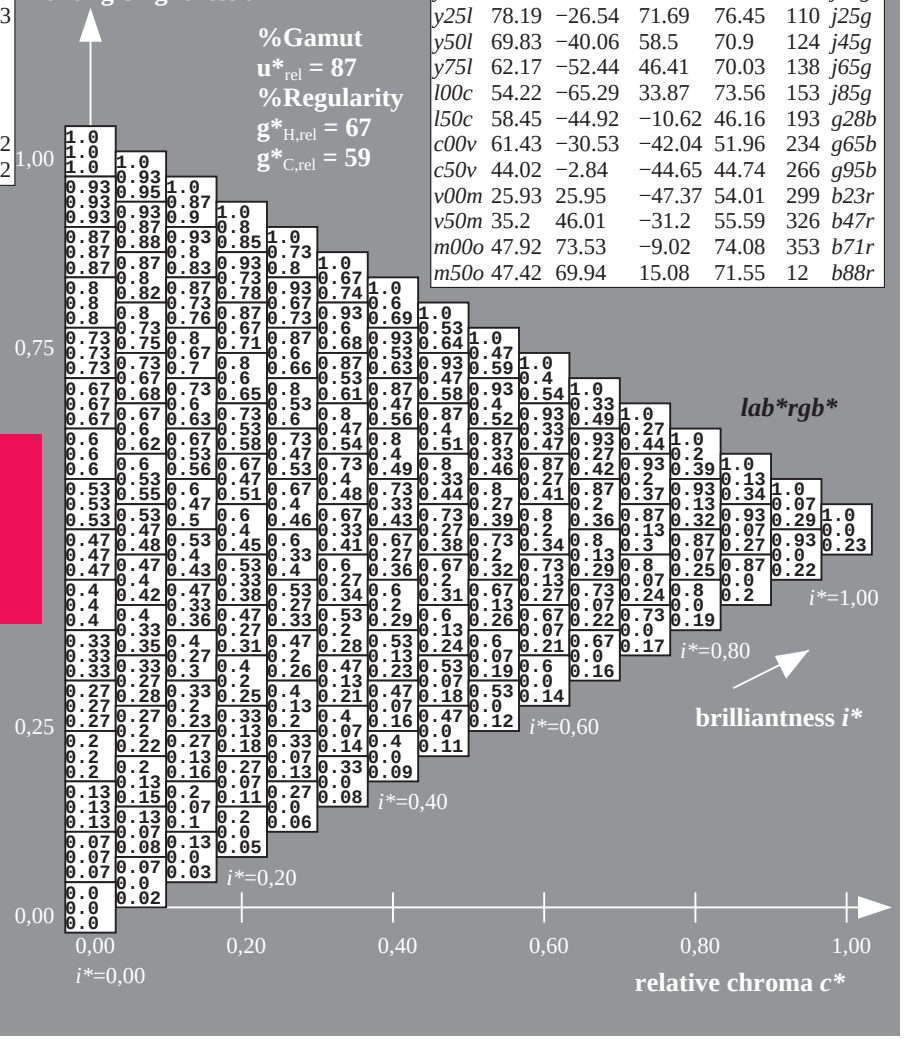
triangle lightness *t**

u^*_d = *m50o*

*lab*rgb**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

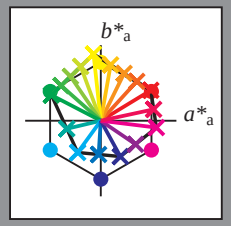


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	*lab*rgb**			
01	0.0	0.02	0.03	0.05	0.07	0.09	0.1	0.12	0.14	0.13	0.12	0.14	0.15	0.17	0.19	0.2	0.22	0.24	0.25	0.25	0.24	0.25	0.27	0.29	0.3	0.32	0.34	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.01	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.02	0.14	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.89	0.77	0.66	0.54	0.43	0.32	0.2	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
02	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.14	0.16	0.18	0.19	0.21	0.23	0.25	0.25	0.25	0.24	0.26	0.28	0.29	0.31	0.33	0.35	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.13	0.13	0.13
	0.0	0.09	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.14	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.96	0.88	0.76	0.65	0.53	0.42	0.3	0.19	0.08	0.13	0.13	0.13	0.13
	0.13	0.13	0.14	0.12	0.1	0.08	0.05	0.03	0.01	0.07	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.06	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13
03	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.18	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.27	0.28	0.3	0.32	0.34	0.35	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.25	0.25	0.25
	0.0	0.02	0.17	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.21	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.92	0.84	0.75	0.64	0.52	0.41	0.29	0.18	0.07	0.25	0.25	0.25	0.25
	0.25	0.25	0.31	0.28	0.26	0.24	0.22	0.2	0.25	0.25	0.25	0.25	0.27	0.24	0.22	0.2	0.18	0.16	0.14	0.2	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.25	0.25	0.25	0.25
04	0.18	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.24	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.38	0.36	0.31	0.25	0.25	0.25	0.25	0.25	0.25	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38
	0.0	0.0	0.11	0.26	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.15	0.3	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.34	0.5	0.63	0.75	0.88	1.0	0.88	0.8	0.71	0.63	0.51	0.4	0.28	0.17	0.05	0.38	0.38	0.38	0.38
	0.38	0.38	0.38	0.47	0.45	0.43	0.4	0.38	0.38	0.38	0.38	0.38	0.38	0.43	0.41	0.39	0.36	0.34	0.33	0.38	0.38	0.38	0.39	0.37	0.35	0.33	0.3	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38
05	0.24	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.36	0.3	0.16	0.13	0.13	0.13	0.13	0.13	0.13	0.48	0.42	0.37	0.25	0.25	0.25	0.25	0.25	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	0.0	0.0	0.05	0.2	0.34	0.62	0.75	0.88	1.0	0.0	0.13	0.13	0.24	0.38	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.27	0.42	0.63	0.75	0.88	1.0	0.84	0.76	0.67	0.59	0.5	0.39	0.27	0.16	0.04	0.5	0.5	0.5	0.5
	0.5	0.5	0.5	0.5	0.5	0.63	0.61	0.59	0.57	0.5	0.5	0.5	0.5	0.5	0.59	0.57	0.55	0.53	0.5	0.5	0.5	0.5	0.5	0.56	0.53	0.51	0.49	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5
06	0.3	0.15	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.36	0.22	0.13	0.13	0.13	0.13	0.13	0.13	0.54	0.48	0.43	0.29	0.25	0.25	0.25	0.25	0.25	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.63	0.63	0.63	0.63
	0.0	0.0	0.0	0.14	0.28	0.43	0.7	0.88	1.0	0.0	0.13	0.13	0.17	0.32	0.47	0.74	0.88	1.0	0.0	0.13	0.25	0.25	0.36	0.51	0.75	0.88	1.0	0.81	0.72	0.63	0.55	0.46	0.38	0.26	0.15	0.03	0.63	0.63	0.63	0.63
	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.78	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.74	0.71	0.63	0.63	0.63	0.63	0.63	0.63	0.72	0.7	0.68	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63
07	0.36	0.21	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.48	0.42	0.28	0.14	0.13	0.13	0.13	0.13	0.13	0.59	0.54	0.49	0.34	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.75	0.75	0.75	0.75
	0.0	0.0	0.07	0.22	0.37	0.52	0.79	1.0	0.0	0.0	0.13	0.13	0.13	0.26	0.41	0.56	0.83	1.0	0.0	0.13	0.25	0.25	0.3	0.45	0.59	0.87	1.0	0.77	0.68	0.59	0.51	0.42	0.34	0.25	0.14	0.02	0.75	0.75	0.75	0.75
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.94	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.9	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.86	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.75
08	0.42	0.27	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.53	0.48	0.34	0.2	0.13	0.13	0.13	0.13	0.13	0.65	0.6	0.55	0.4	0.26	0.25	0.25	0.25	0.25	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.88	0.88	0.88	0.88
	0.0	0.0	0.0	0.01	0.16	0.31	0.46	0.6	0.87	0.0	0.13	0.13	0.13	0.2	0.35	0.49	0.64	0.91	0.0	0.13	0.25	0.25	0.25	0.39	0.53	0.68	0.95	0.73	0.64	0.56	0.47	0.38	0.3	0.21	0.13	0.01	0.88	0.88	0.88	0.88
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.88	0.88	0.88
09	0.47	0.33	0.19	0.05	0.0	0.0	0.0	0.0	0.0	0.59	0.54	0.4	0.26	0.13	0.13	0.13	0.13	0.13	0.71	0.66	0.61	0.46	0.32	0.25	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
	0.0	0.0	0.0	0.0	0.1	0.25	0.39	0.54	0.69	0.0	0.13	0.13	0.13	0.14	0.28	0.43	0.58	0.73	0.0	0.13	0.25	0.25	0.25	0.32	0.47	0.62	0.77	0.69	0.6	0.52	0.43	0.34	0.26	0.17	0.09	0.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	1.0	1.0	1.0	1.0
10	0.38	0.38	0.38	0.35	0.37	0.39	0.41	0.42	0.44	0.5	0.5	0.5	0.5	0.47	0.49	0.51	0.52	0.54	0.63	0.63	0.63	0.63	0.63	0.59	0.61	0.62	0.64	1.0	0.99	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.0	0.0	0.0	0.0
	0.03	0.15	0.28	0.38	0.5	0.63	0.75	0.88	1.0	0.04	0.17	0.29	0.41	0.5	0.63	0.75	0.88	1.0	0.05	0.18	0.3	0.42	0.54	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
11	0.38	0.38	0.38	0.36	0.38	0.4	0.41	0.43	0.45	0.5	0.5	0.5	0.5	0.48	0.5	0.51	0.53	0.55	0.63	0.63	0.63	0.63	0.63	0.6	0.61	0.63	0.65	0.93	0.88	0.87	0.86	0.85	0.85	0.84	0.83	0.83	0.07	0.07	0.07	0.07
	0.0	0.15	0.27	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.16	0.28	0.4	0.5	0.63	0.75	0.88	1.0	0.0	0.17	0.29	0.41	0.53	0.63	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.07	0.07	0.07	0.07
	0.05	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.03	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.02	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.07	0.07	0.07	0.07
12	0.38	0.38	0.38	0.37	0.39	0.4	0.42	0.44	0.45	0.5	0.5	0.5	0.5	0.49	0.5	0.52	0.54	0.55	0.63	0.63	0.63	0.63	0.63	0.6	0.62	0.64	0.66	0.87	0.81	0.75	0.74	0.74	0.73	0.72	0.72	0.71	0.13	0.13	0.13	0.13
	0.0	0.13	0.26	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.27	0.39	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.28	0.4	0.53	0.63	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.13	0.13	0.13	0.13
	0.13	0.18	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.12	0.17	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.1	0.16	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13
13	0.38	0.38	0.38	0.38	0.39	0.41	0.43	0.44	0.46	0.5	0.5	0.5	0.5	0.49	0.51	0.53	0.54	0.56	0.63	0.63	0.63	0.63	0.63	0.61	0.63	0.65	0.66	0.8	0.74	0.68	0.63	0.62	0.61	0.6	0.6	0.59	0.2	0.2	0.2	0.2
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.39	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.4	0.52	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.2	0.2	0.2	0.2
	0.21	0.27	0.32	0.38	0.38	0.38	0.38	0.38	0.38	0.2	0.25	0.31	0.38	0.38	0.38	0.38	0.38	0.38	0.19	0.24	0.3	0.38	0.38	0.38	0.38	0.38	0.38	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.2	0.2	0.2	0.2
14	0.5	0.5	0.49	0.43	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.52	0.53	0.55	0.57	0.63	0.63	0.63	0.63	0.63	0.62	0.64	0.65	0.67	0.74	0.68	0.62	0.56	0.5	0.49	0.49	0.48	0.47	0.27	0.27	0.27	0.27
	0.0	0.13	0.25	0.38	0.46	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.51	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.27	0.27	0.27	0.27
	0.4	0.46	0.5	0.5	0.5	0.52	0.49	0.47	0.45	0.29	0.34	0.39	0.45	0.5	0.5	0.5	0.5	0.5	0.27	0.33	0.38	0.43	0.5	0.5	0.5	0.5	0.5	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.27	0.27	0.27	0.27
15	0.63	0.6	0.55	0.49	0.38	0.38	0.38	0.38	0.38	0.63	0.63	0.63	0.61	0.56	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.63	0.64	0.66	0.68	0.67	0.61	0.55	0.49	0.43	0.38	0.37	0.36	0.35	0.33	0.33	0.33	0.33
	0.0	0.13	0.25	0.38	0.4	0.55	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.59	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.33	0.33	0.33	0.33
	0.6	0.63	0.63	0.63	0.63	0.63	0.68	0.66	0.64	0.48	0.53	0.58	0.63	0.63	0.63	0.64	0.62	0.6	0.36	0.41	0.46	0.52	0.57	0.63	0.63	0.63	0.63	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.33	0.33	0.33	0.33
16	0.71	0.66	0.61	0.55	0.41	0.38	0.38	0.38	0.38	0.75	0.75	0.73	0.67	0.62	0.5	0.5	0.5	0.5	0.75	0.75	0.75	0.75	0.74	0.68	0.63	0.63	0.63	0.61	0.55	0.49	0.43	0.37	0.31	0.25	0.24	0.24	0.4	0.4	0.4	0.4
	0.0	0.13	0.25	0.38	0.38	0.49	0.63	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.52	0.67	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.71	0.88	1.0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.4	0.4	0.4	0.4
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.84	0.82	0.67	0.72	0.75	0.75	0.75	0.75	0.75	0.81	0.78	0.55	0.6	0.65	0.71	0.75	0.75	0.75	0.77	0.74	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.4	0.4	0.4	0.4
17	0.77	0.72	0.67	0.61	0.47	0.38	0.38	0.38	0.38	0.88	0.84	0.79	0.73	0.68	0.54	0.5	0.5	0.5	0.88	0.88	0.88	0.85	0.8	0.74	0.63	0.63	0.63	0.54	0.48	0.42	0.36	0.3	0.24	0.18	0.13	0.12	0.47	0.47	0.47	0.47
	0.0	0.13	0.25	0.38	0.38	0.42	0.57	0.72	0.99	0.0	0.13	0.25	0.38	0.5	0.5	0.61	0.76	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.65	0.8	1.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.47	0.47	0.47	0.47
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.86	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.97	0.74	0.79	0.85	0.88	0.88	0.88	0.88	0.88	0.93	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.47	0.47	0.47	0.47
18	0.83	0.78	0.73	0.67	0.53	0.39	0.38	0.38	0.38	0.95	0.9	0.84	0.79	0.74	0.59	0.5	0.5	0.5	1.0	1.0	0.96	0.91	0.86	0.8	0.66	0.63	0.63	0.47	0.42	0.36	0.3	0.24	0.18	0.12	0.06	0.0	0.53	0.53	0.53	0.53
	0.0	0.13	0.25	0.38	0.38	0.38	0.51	0.66	0.81	0.0	0.13	0.25	0.38	0.5	0.5	0.55	0.7	0.84	0.0	0.13	0.25	0.38	0.5	0.63	0.63	0.74	0.88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.53	0.53	0.53	0.53
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.93	0.98	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.53	0.53	0.53	0.53
19	0.75	0.75	0.75	0.75	0.75	0.75	0.71	0.73	0.74	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.83	0.84	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.94	1.0	0.89	0.78	0.68	0.57	0.46	0.35	0.25	0.14	0.6	0.6	0.6	0.6
	0.07	0.19	0.31	0.43	0.55	0.67	0.75	0.88	1.0	0.08	0.2	0.32	0.44	0.56	0.68	0.8	0.88	1.0	0.09	0.21	0.33	0.45	0.57	0.69	0.82	0.94	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.6	0.6	0.6
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.6	0.6	0.6	0.6
20	0.75	0.75	0.75	0.75	0.75	0.75	0.72	0.73	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.83	0.85	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.95	1.0	0.88	0.77	0.66	0.55	0.44	0.34	0.23	0.12	0.67	0.67	0.67	0.67
	0.0	0.18	0.3	0.42	0.54	0.67	0.75	0.88	1.0	0.0	0.19	0.31	0.43	0.55	0.68	0.8	0.88	1.0	0.02	0.2	0.32	0.44	0.57	0.69	0.81	0.93	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.67	0.67	0.67	0.67
	0.01	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.95	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.67	0.67	0.67	0.67
21	0.75	0.75	0.75	0.75	0.75	0.75	0.72	0.74	0.76	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.84	0.86	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.96	1.0	0.88	0.75	0.64	0.53	0.43	0.32	0.21	0.1	0.73	0.73	0.73	0.73
	0.0	0.13	0.29	0.42	0.54	0.66	0.75	0.88	1.0	0.0	0.13	0.3	0.43	0.55	0.67	0.79	0.88	1.0	0.0	0.13	0.32	0.44	0.56	0.68	0.8	0.92	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.73	0.73	0.73	0.73
	0.09	0.14	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.08	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.07	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.89	0.82	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.73	0.73	0.73	0.73
22	0.75	0.75	0.75	0.75	0.75	0.75	0.73	0.75	0.76	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.85	0.86	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.97	1.0	0.88	0.75	0.63	0.52	0.41	0.3	0.19	0.09	0.8	0.8	0.8	0.8
	0.0	0.13	0.25	0.41	0.53	0.65	0.75	0.88	1.0	0.0	0.13	0.25	0.42	0.54	0.66	0.78	0.88	1.0	0.0	0.13	0.25	0.43	0.55	0.67	0.79	0.92	1.0	0.63	0.63	0.63	0.63	0

Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
u^*_d and number *no.* = 00 .. 15
device hue text:
u^*_d = 16 hues *o00y, o25y, ..., m50o*
contrast reduction factor:
c_R = 1.0

ORS20_95a; adapted (a) CIELAB data

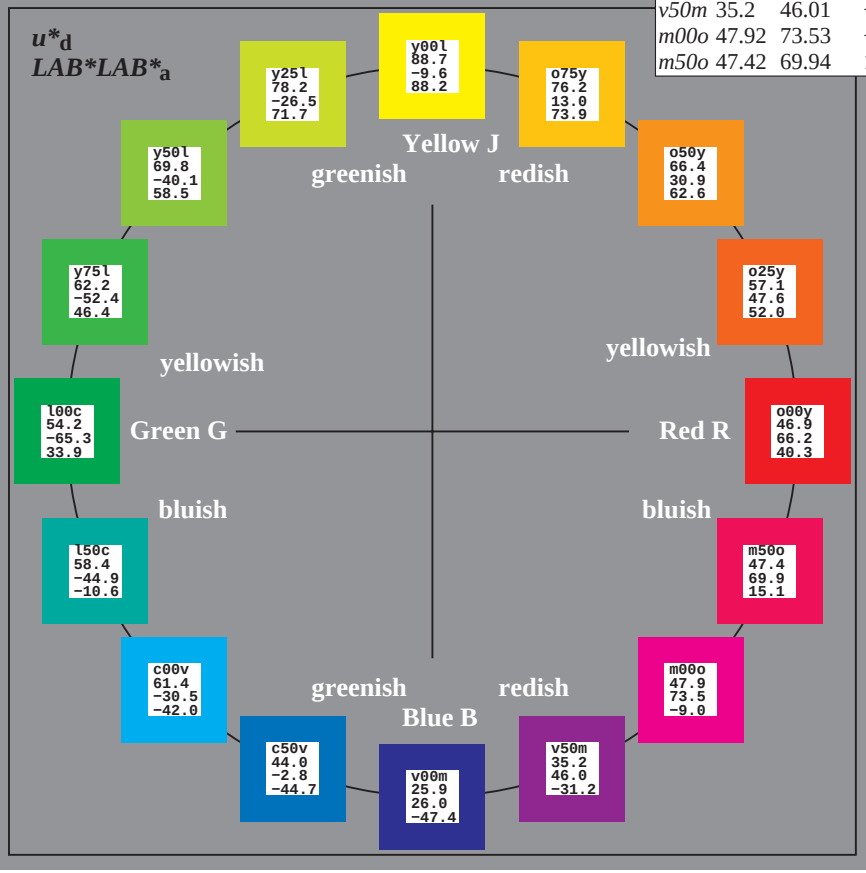
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

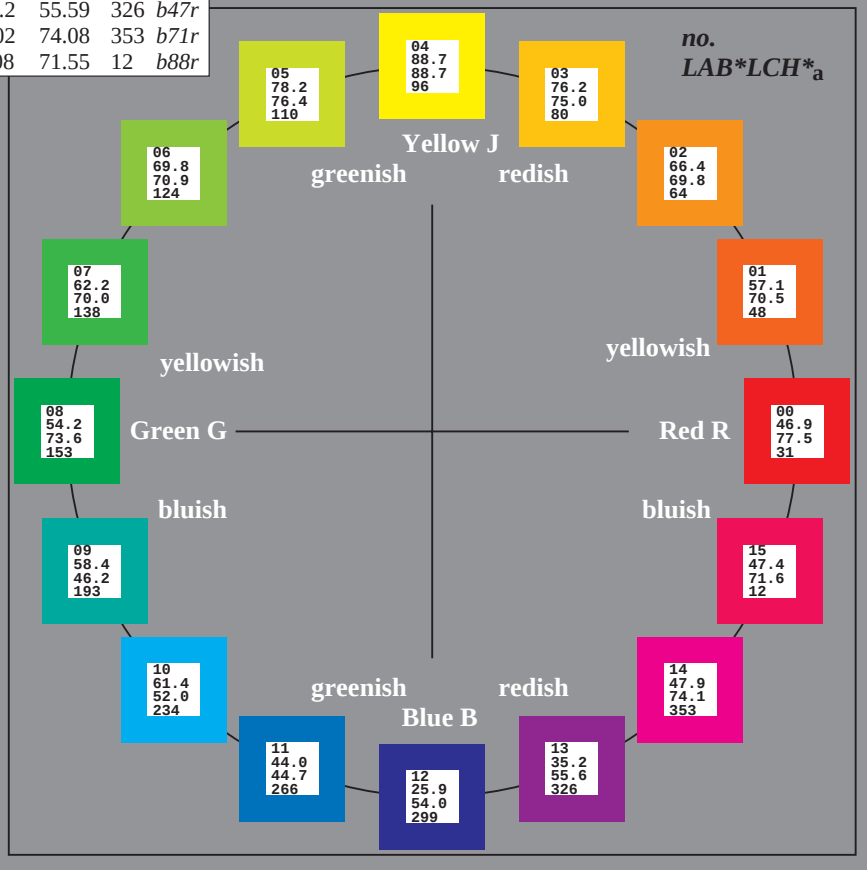


%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 67
$g^*_{C,rel}$ = 59

ORS20_95a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	−46.47	46.49	272

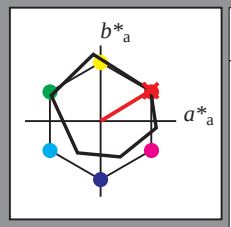




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$

u^*_d = *o00y*
LAB*LAB*$_a$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o00y* u^*_e = *r09j*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



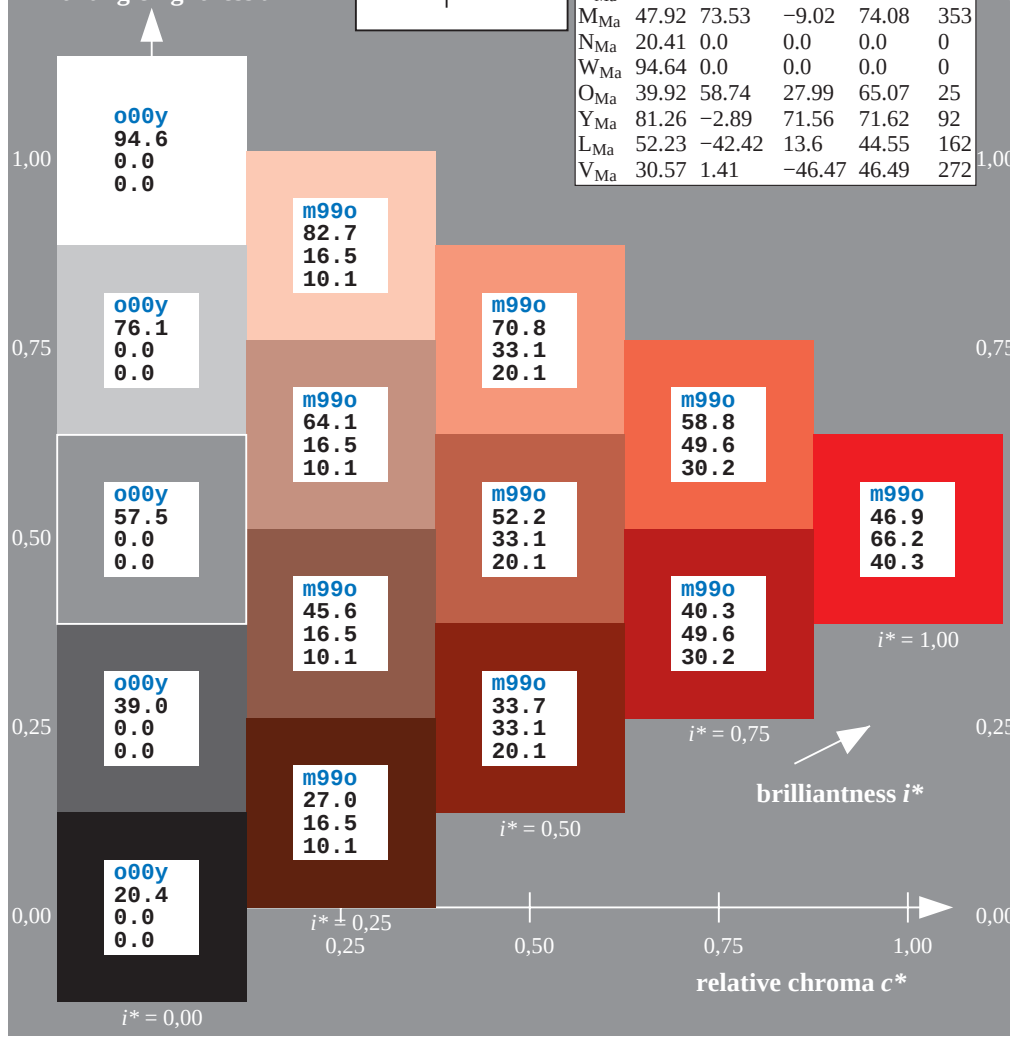
ORS20_95a; adapted (a) CIELAB data

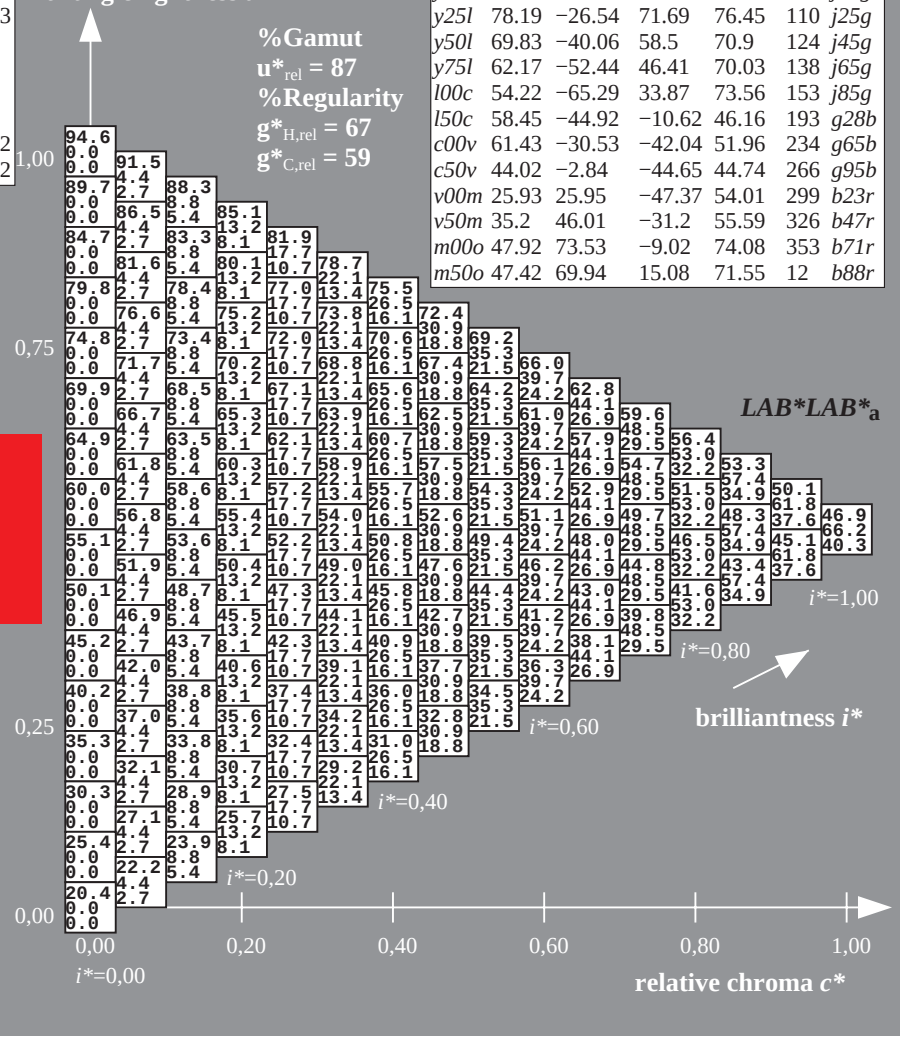
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 47 66 40**
***LAB*LCH*$_{Ma}$*: 47 77 31**
***lab*olv*$_{Ma}$*: 1.0 0.0 0.0**
***lab*rgb*$_{Ma}$*: 1.0 0.09 0.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

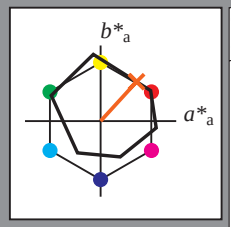
Hue texts:

u^*_d = *o25y* u^*_e = *r33j*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 57 48 52**

***LAB*LCH**$_{Ma}$: 57 71 47**

***lab*olv**$_{Ma}$: 1.0 0.25 0.0**

***lab*rgb**$_{Ma}$: 1.0 0.33 0.0**

triangle lightness *t**

%Gamut

u^*_{rel} = 87

%Regularity

$g^*_{H,rel}$ = 67

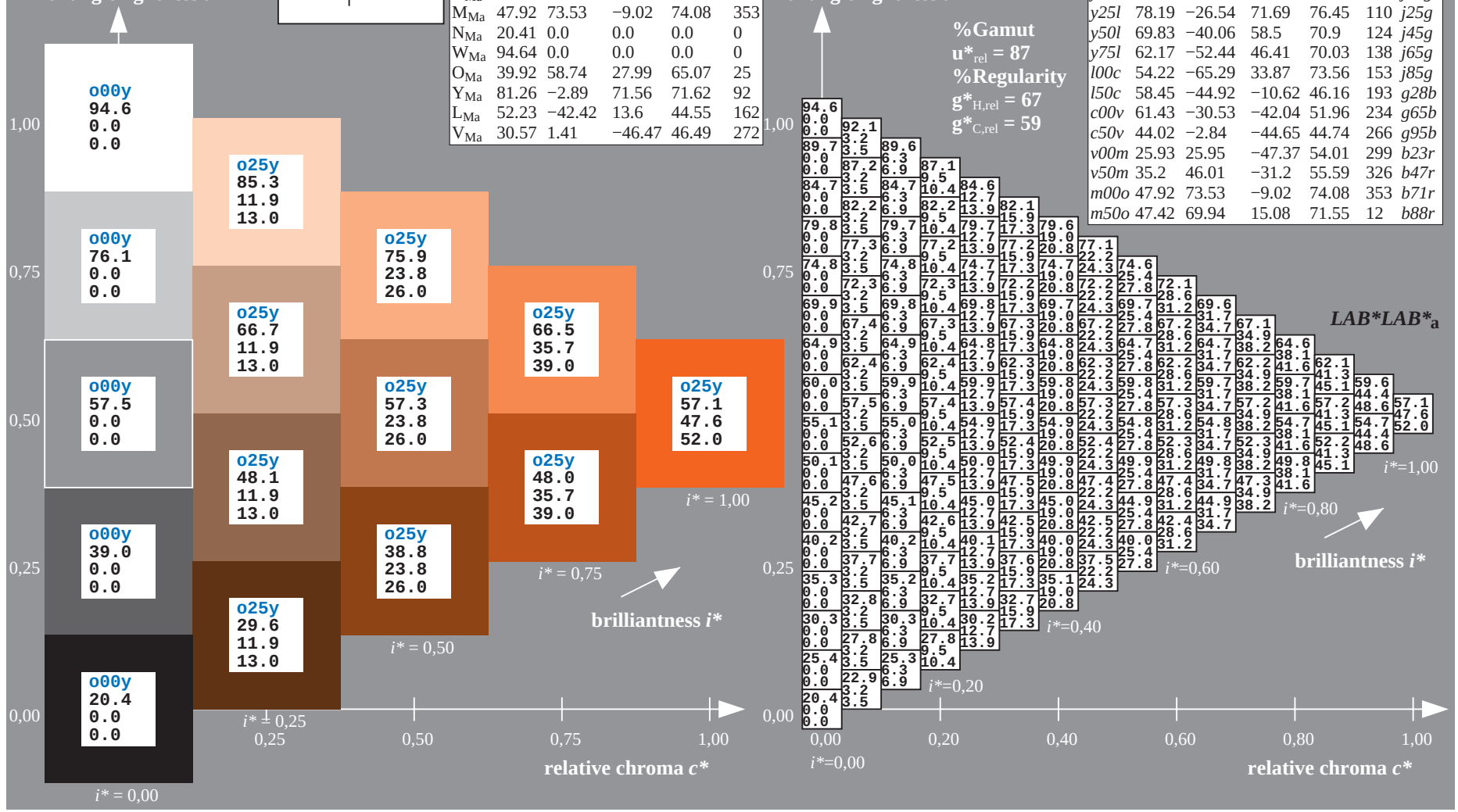
$g^*_{C,rel}$ = 59

u^*_d = *o25y*

***LAB*LAB**$_a$**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.177$

data for any colour:

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

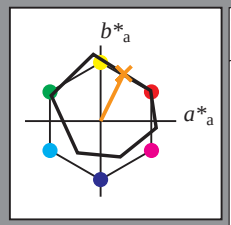
Hue texts:

u^*_d = *o50y* u^*_e = *r57j*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 66 31 63**

***LAB*LCH**$_{Ma}$: 66 70 63**

***lab*olv**$_{Ma}$: 1.0 0.5 0.0**

***lab*rgb**$_{Ma}$: 1.0 0.57 0.0**

triangle lightness *t**

%Gamut

u^*_{rel} = 87

%Regularity

$g^*_{H,rel}$ = 67

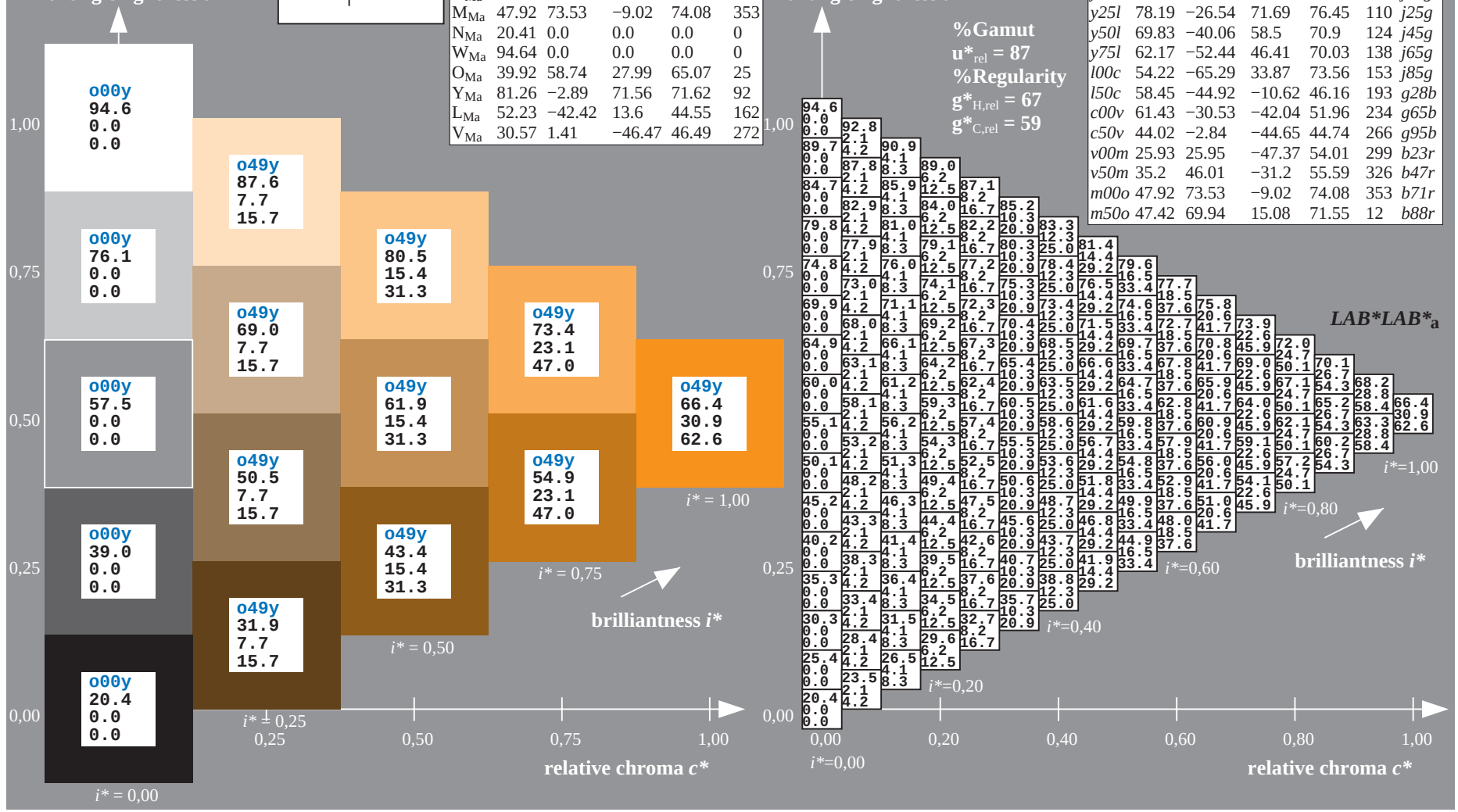
$g^*_{C,rel}$ = 59

u*$_d$ = o50y

LAB*LAB*$_a$

ORS20_95a; adapted (a) CIELAB data

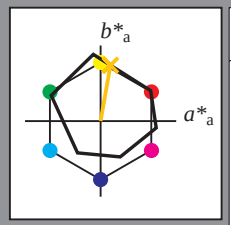
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.222$

$u^*_d = o75y$
$LAB^*LAB^*_a$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = o75y$ $u^*_e = r81j$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



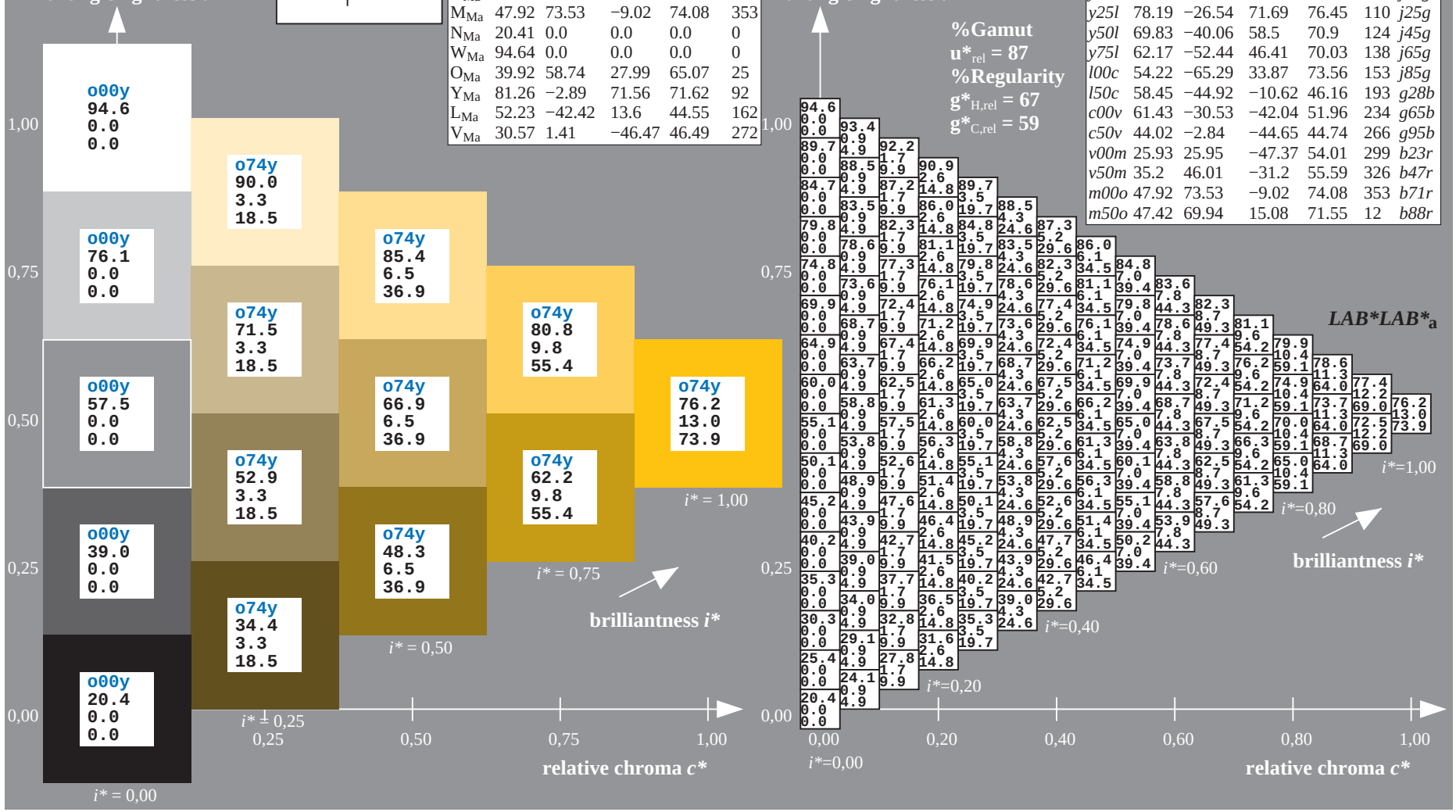
ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 76 13 74
$LAB^*LCH^*_{Ma}$: 76 75 79
$lab^*olv^*_{Ma}$: 1.0 0.75 0.0
$lab^*rgb^*_{Ma}$: 1.0 0.82 0.0
triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.267$

data for any colour:

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

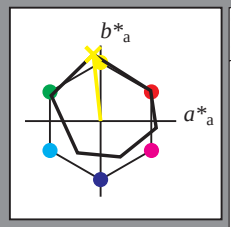
Hue texts:

$u^*_d = y00l$ $u^*_e = j06g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 89 −10 88**

***LAB*LCH**$_{Ma}$: 89 89 96**

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

***lab*rgb**$_{Ma}$: 0.94 1.0 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

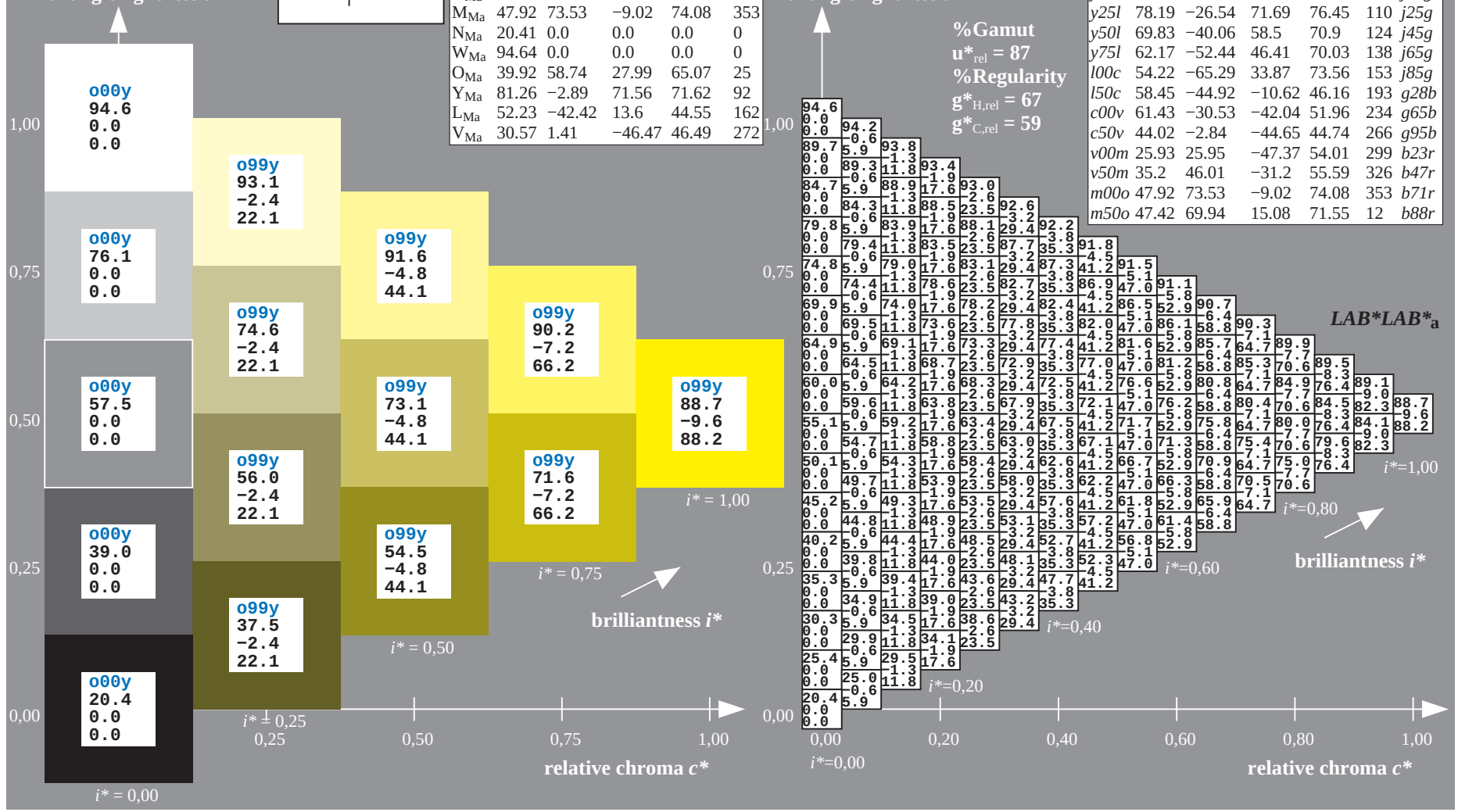
$g^*_{C,rel} = 59$

$u^*_d = y00l$

***LAB*LAB**$_a$**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.306$

data for any colour:

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

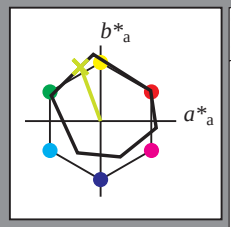
Hue texts:

$u^*_d = y25l$ $u^*_e = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 78 −27 72

$LAB^*LCH^*_{Ma}$: 78 76 110

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

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

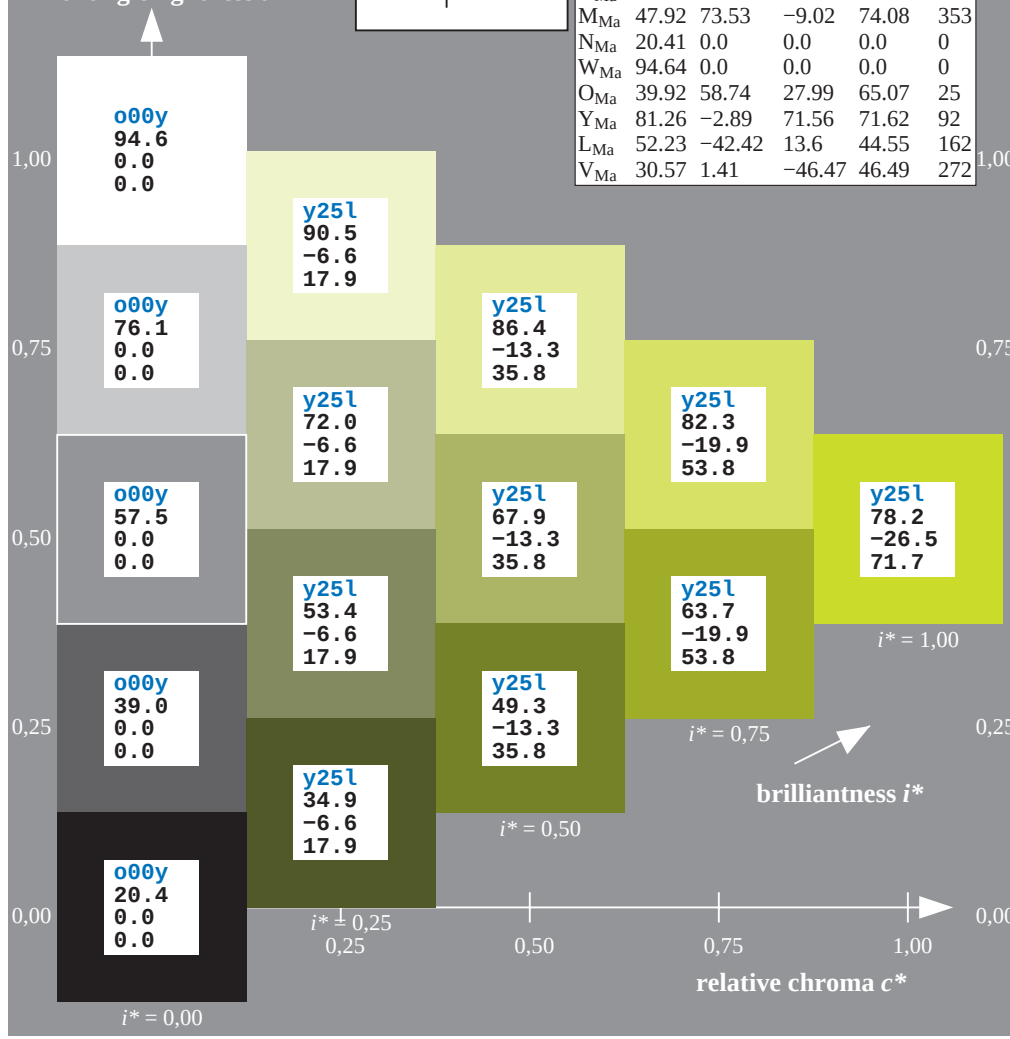
triangle lightness *t**

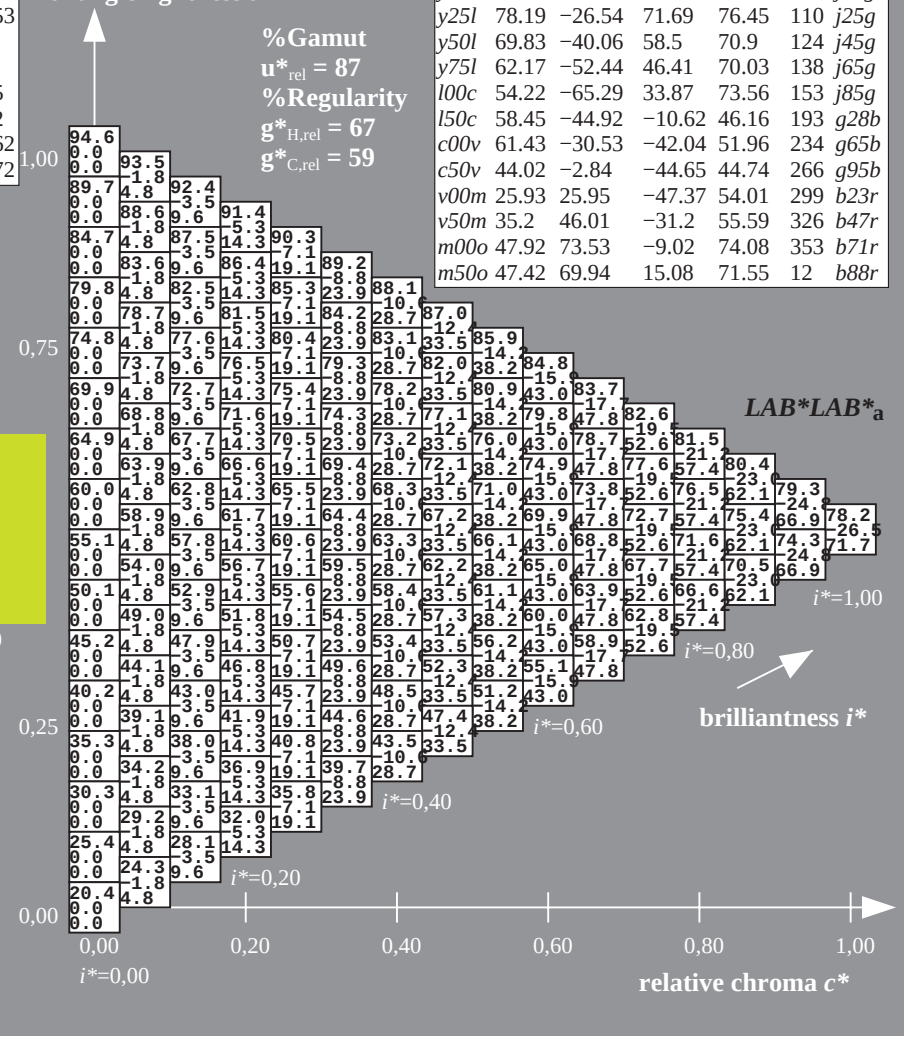
$u^*_d = y25l$

$LAB^*LAB^*_a$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.346$

data for any colour:

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

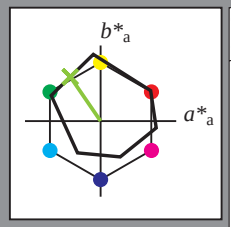
Hue texts:

$u^*_d = y50l$ $u^*_e = j45g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 70 −40 58

$LAB^*LCH^*_{Ma}$: 70 71 124

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

$lab^*rgb^*_{Ma}$: 0.54 1.0 0.0

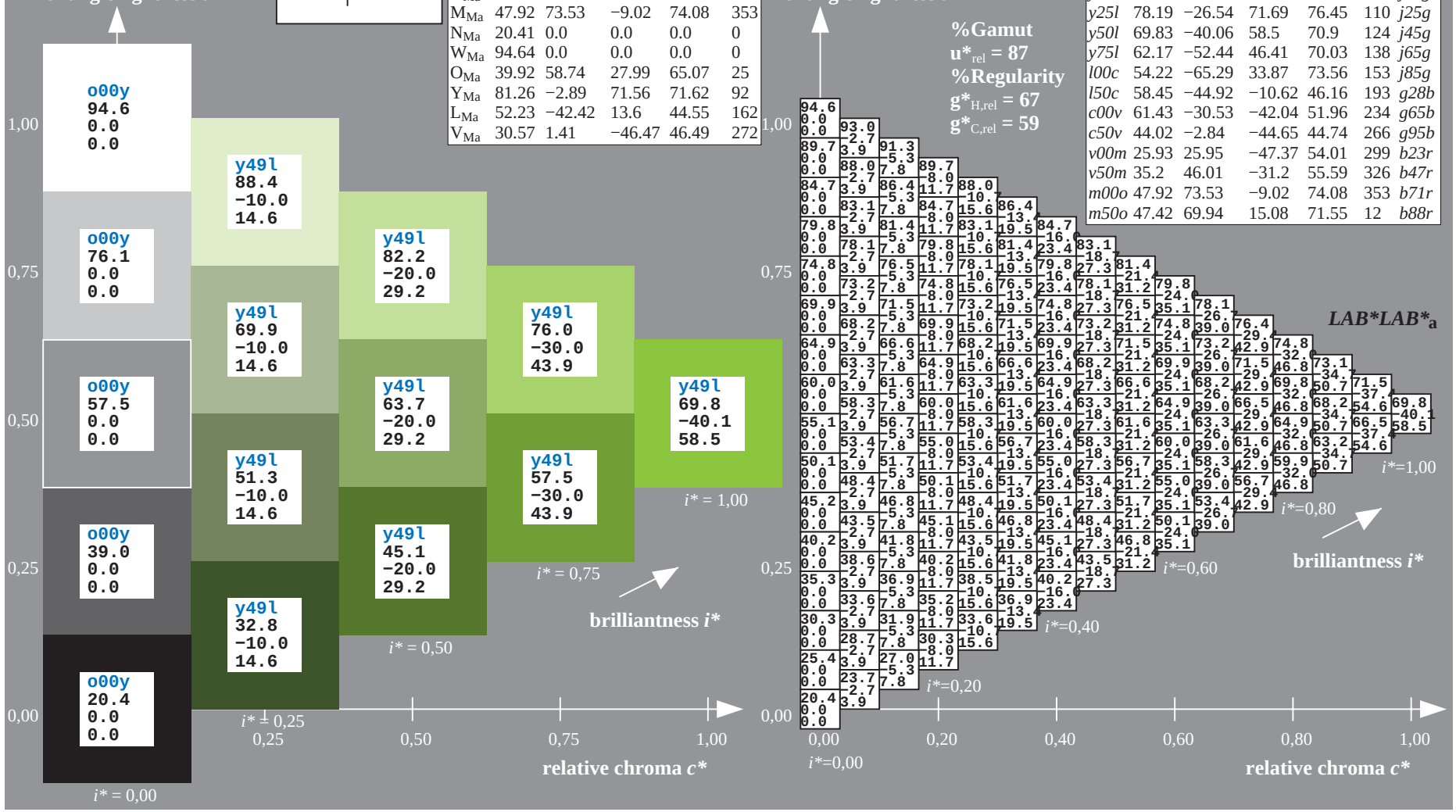
triangle lightness *t**

$u^*_d = y50l$

$LAB^*LAB^*_a$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.385$

data for any colour:

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

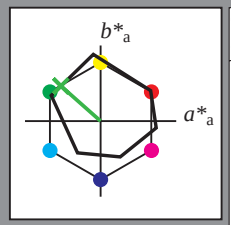
Hue texts:

$u^*_d = y75l$ $u^*_e = j65g$

contrast reduction factor:

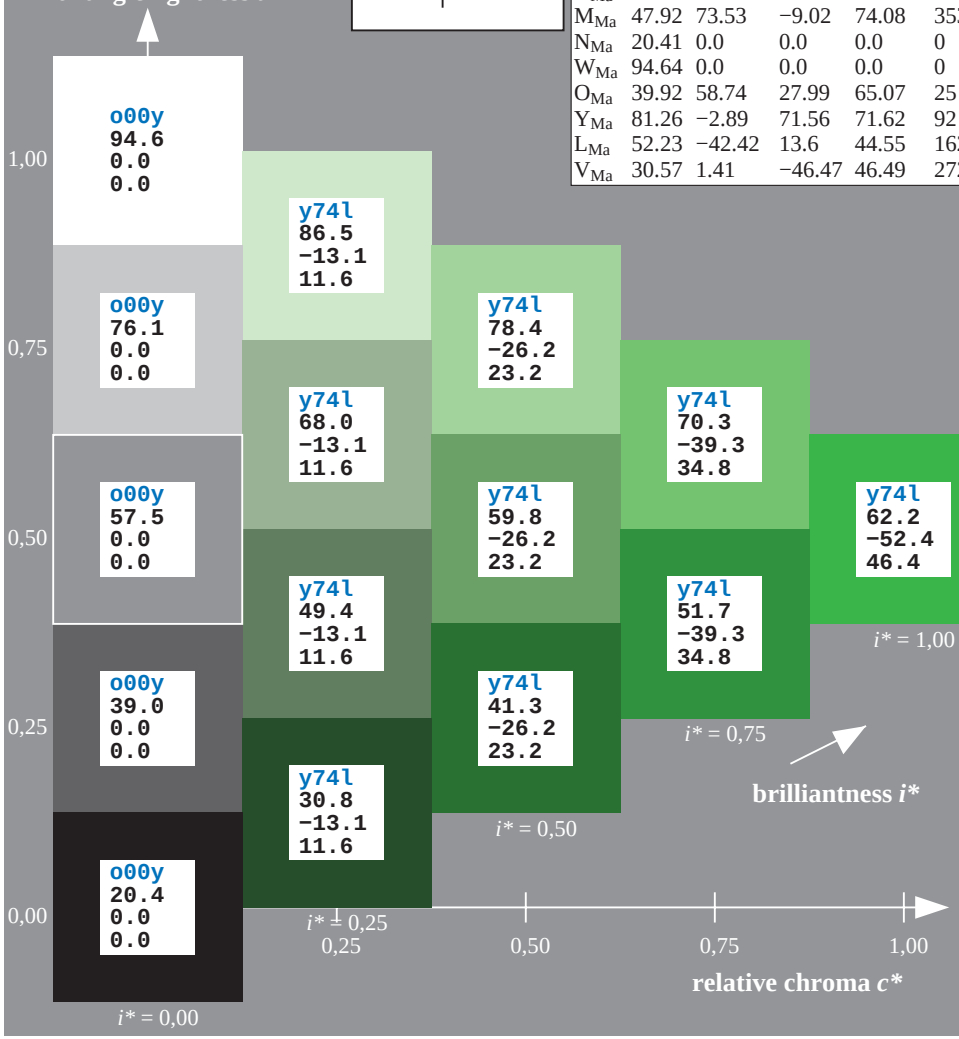
$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 62 −52 46

$LAB^*LCH^*_{Ma}$: 62 70 138

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

$lab^*rgb^*_{Ma}$: 0.34 1.0 0.0

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

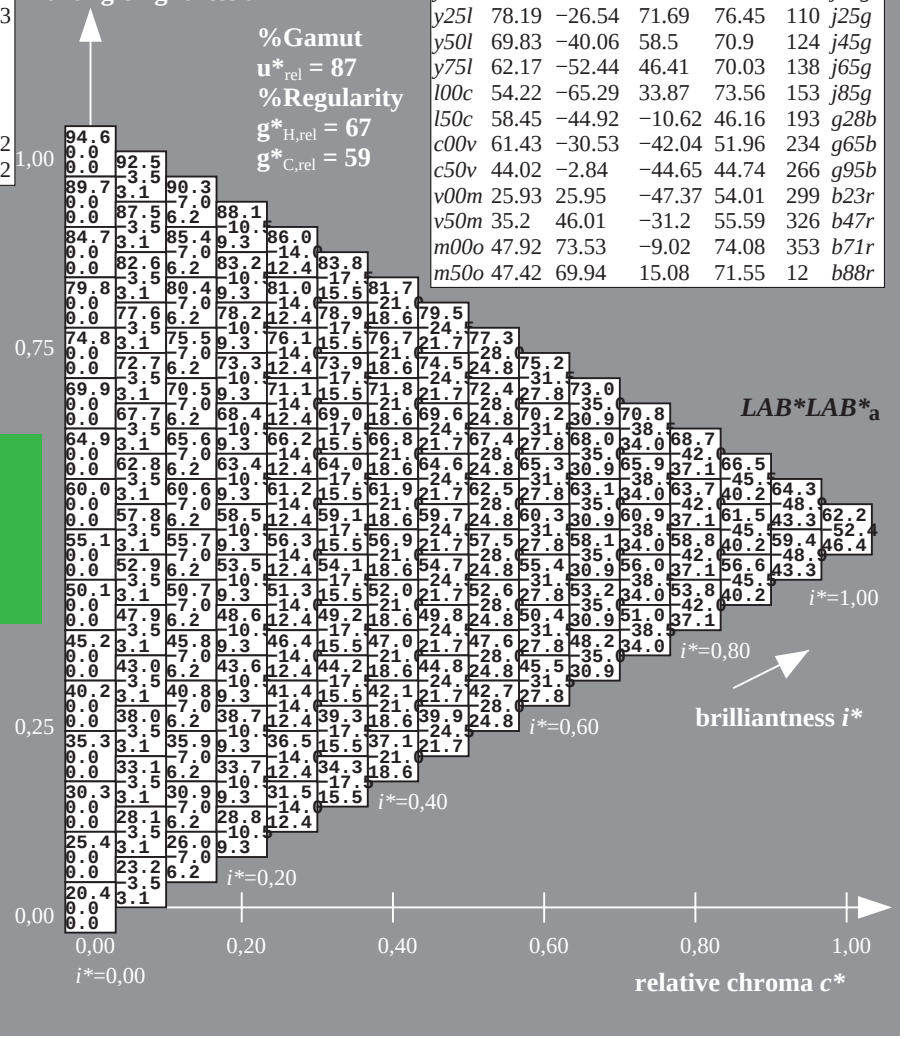
$g^*_{C,rel} = 59$

$u^*_d = y75l$

$LAB^*LAB^*_a$

ORS20_95a; adapted (a) CIELAB data

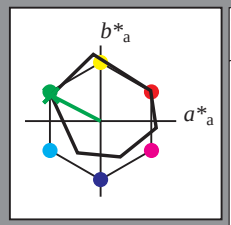
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.424$

$u^*_d = l00c$
$LAB^*LAB^*_a$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = l00c$ $u^*_e = j85g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



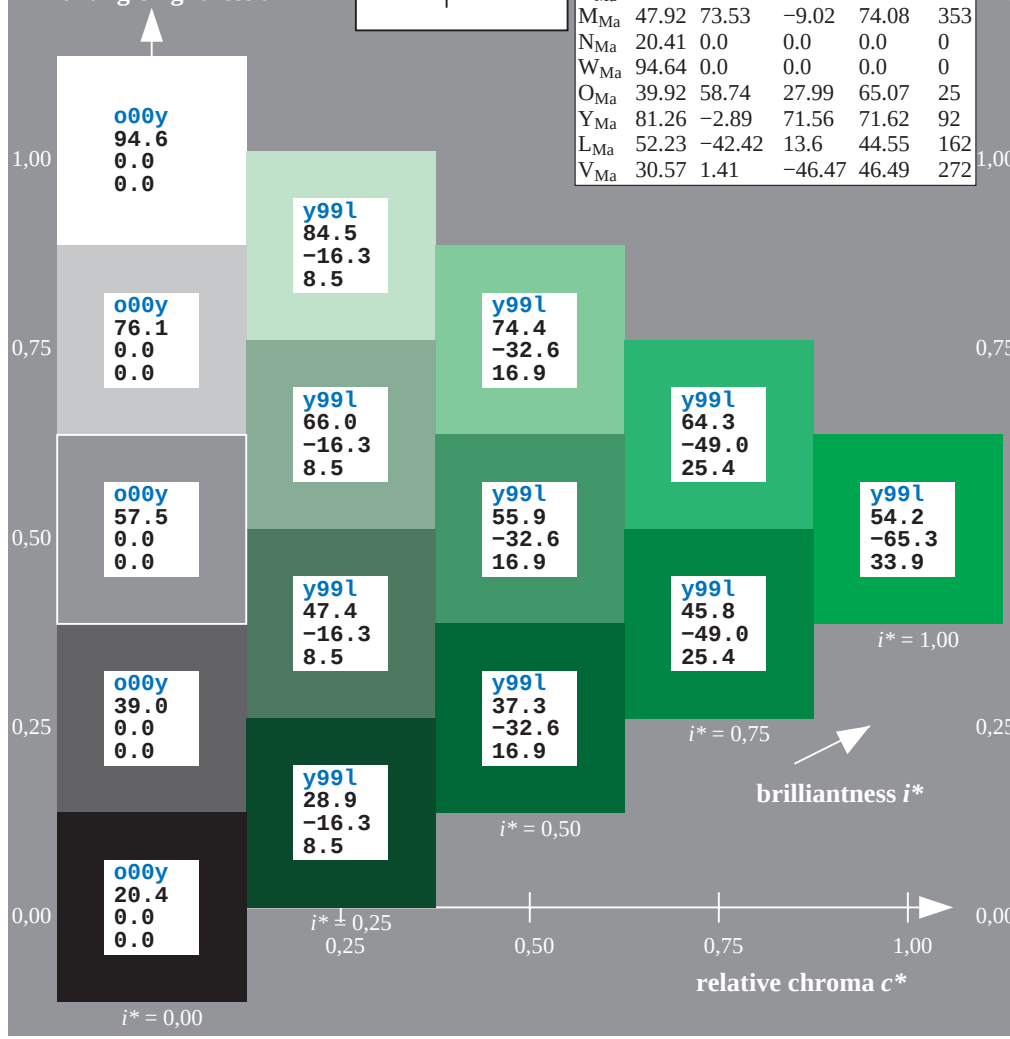
ORS20_95a; adapted (a) CIELAB data

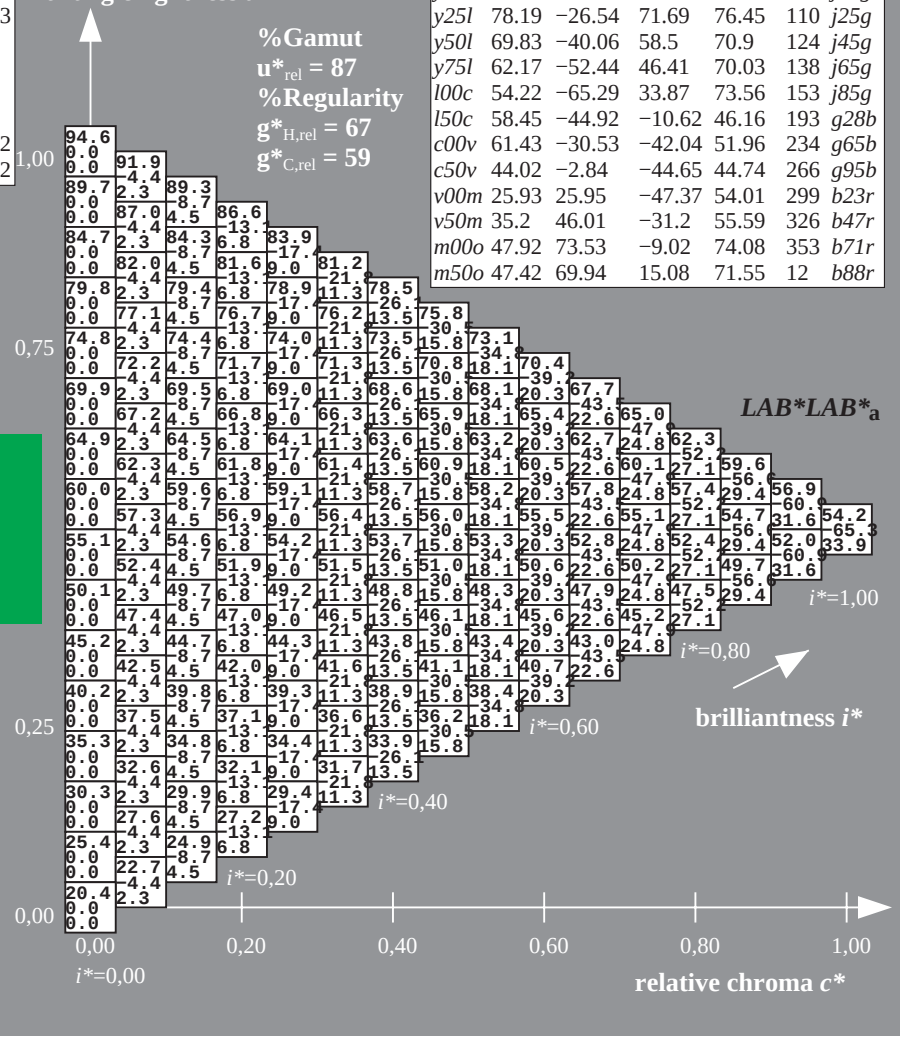
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 54 −65 34**
***LAB*LCH**$_{Ma}$: 54 74 152**
***lab*olv**$_{Ma}$: 0.0 1.0 0.0**
***lab*rgb**$_{Ma}$: 0.14 1.0 0.0**
triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.537$

data for any colour:

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

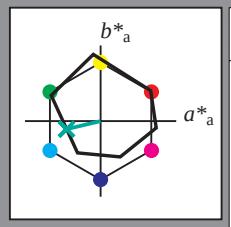
Hue texts:

$u^*_d = l50c$ $u^*_e = g28b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 58 −45 −11**

***LAB*LCH**$_{Ma}$: 58 46 193**

***lab*olv**$_{Ma}$: 0.0 1.0 0.5**

***lab*rgb**$_{Ma}$: 0.0 1.0 0.57**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

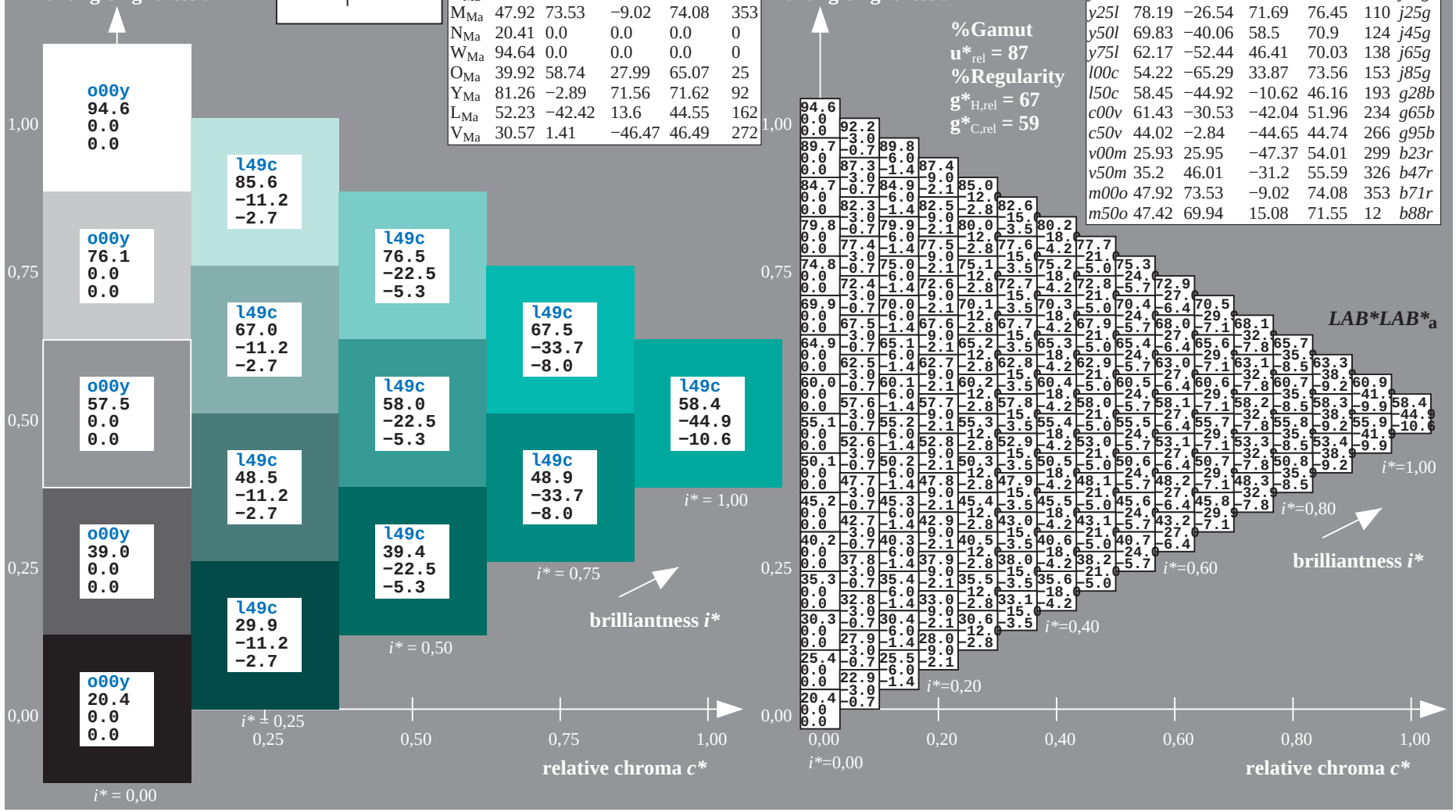
$g^*_{C,rel} = 59$

$u^*_d = l50c$

***LAB*LAB**$_a$**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.65$

data for any colour:

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

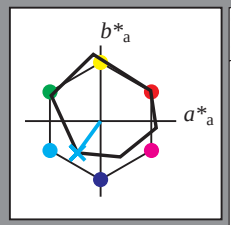
Hue texts:

$u^*_d = c00v$ $u^*_e = g65b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 61 −31 −42**

***LAB*LCH**$_{Ma}$: 61 52 234**

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

***lab*rgb**$_{Ma}$: 0.0 0.69 1.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

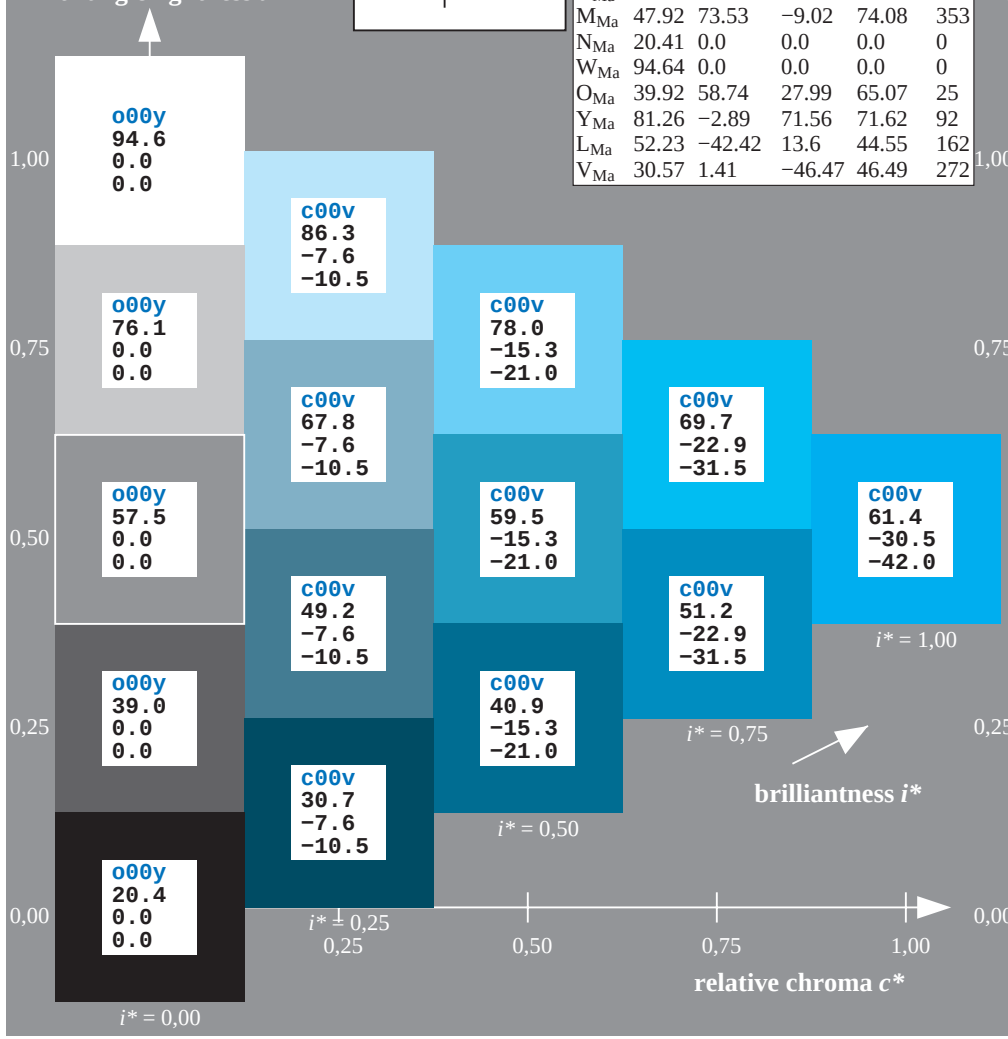
$g^*_{C,rel} = 59$

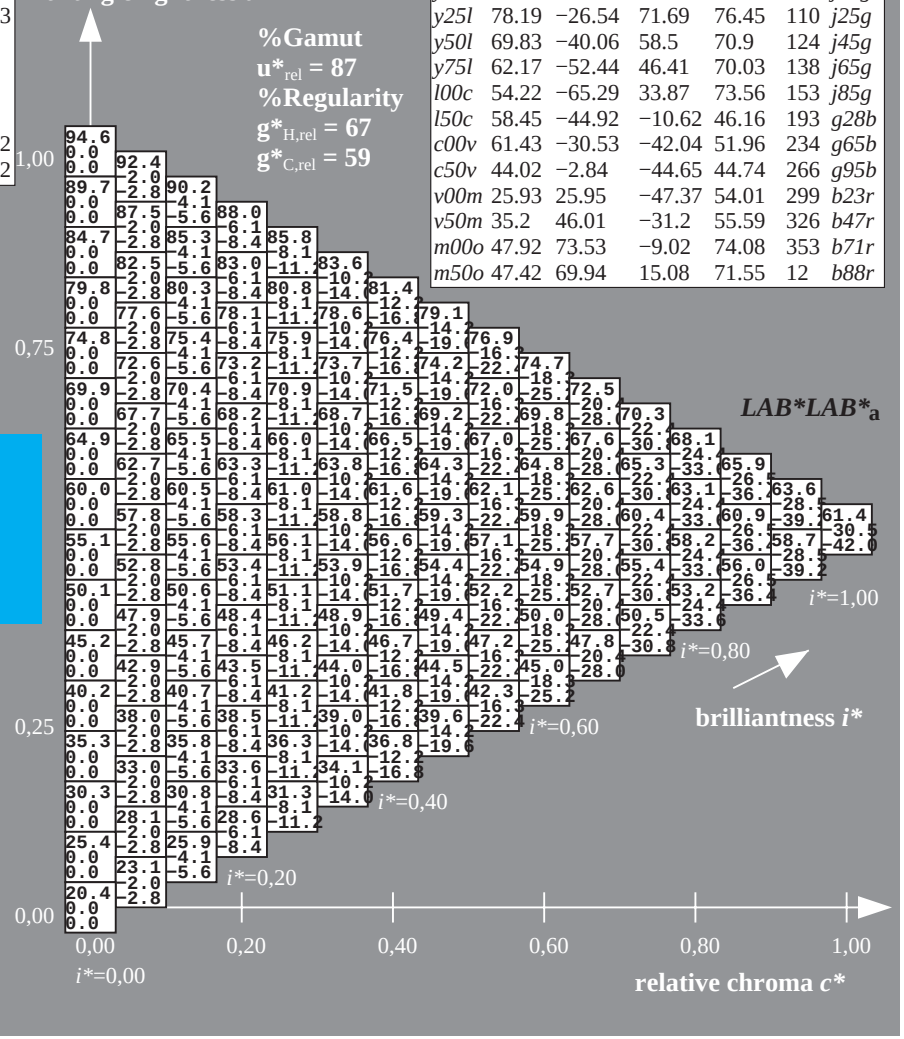
$u^*_d = c00v$

***LAB*LAB**$_a$**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.74$

data for any colour:

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

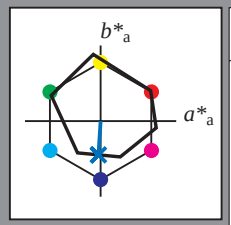
Hue texts:

$u^*_d = c50v$ $u^*_e = g95b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 44 −3 −45**

***LAB*LCH**$_{Ma}$: 44 45 266**

***lab*olv**$_{Ma}$: 0.0 0.5 1.0**

***lab*rgb**$_{Ma}$: 0.0 0.1 1.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

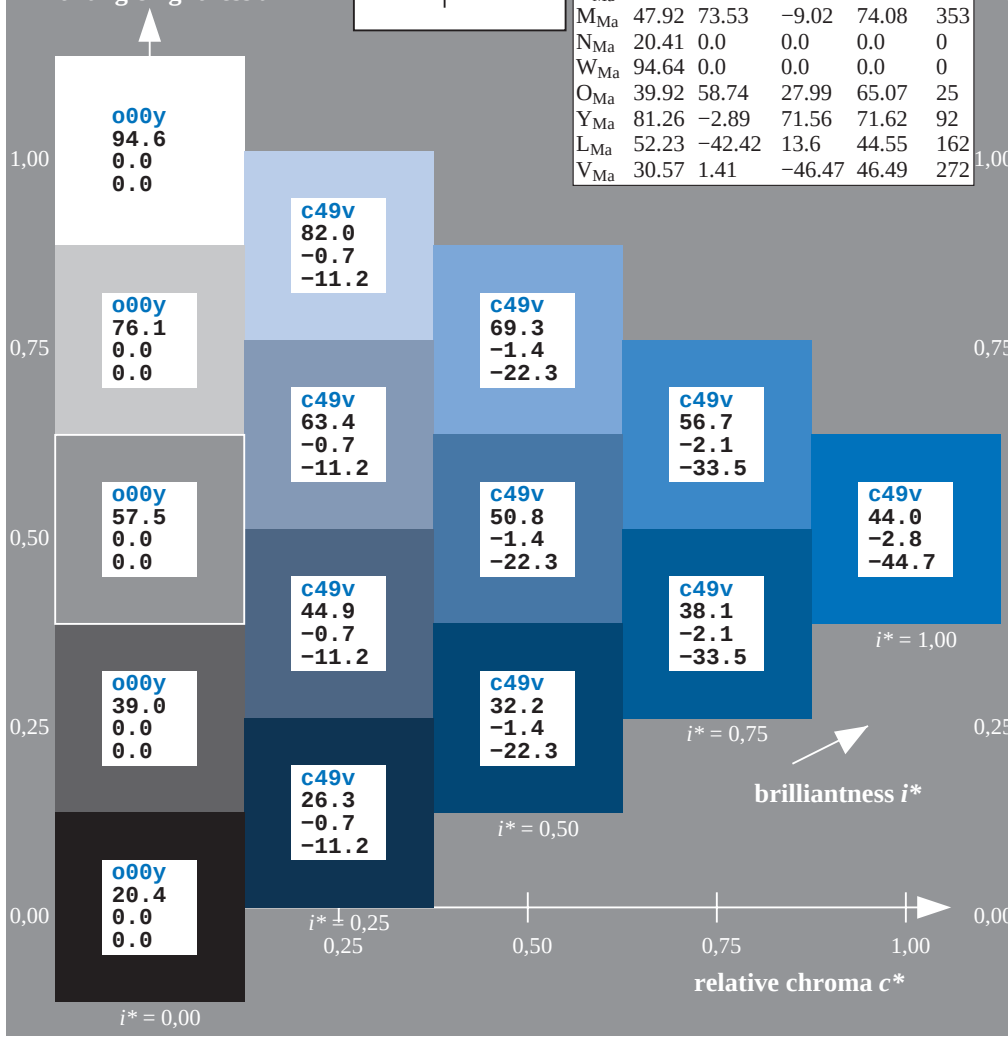
$g^*_{C,rel} = 59$

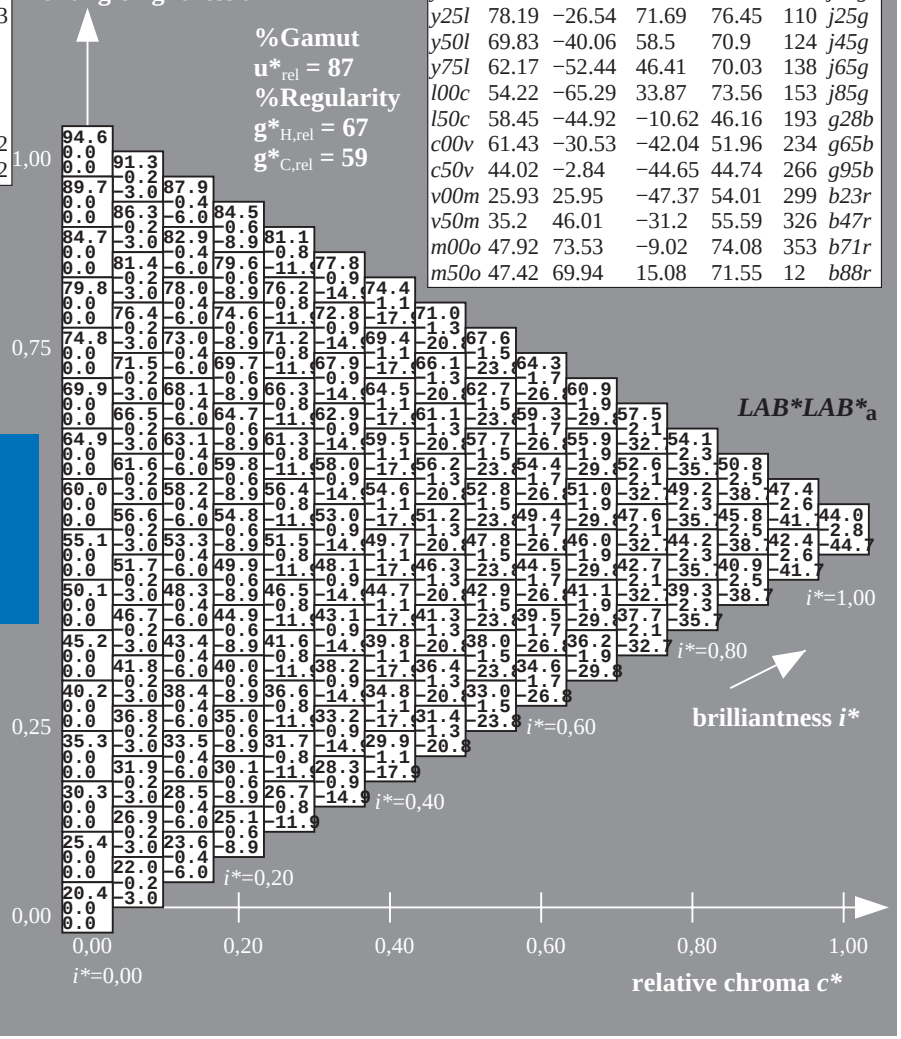
$u^*_d = c50v$

***LAB*LAB**$_a$**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.83$

data for any colour:

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

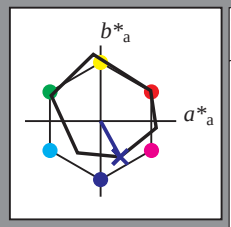
Hue texts:

u^*_d = *v00m* u^*_e = *b23r*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 26 26 −47

*LAB*LCH**$_{Ma}$: 26 54 298

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

*lab*rgb**$_{Ma}$: 0.47 0.0 1.0

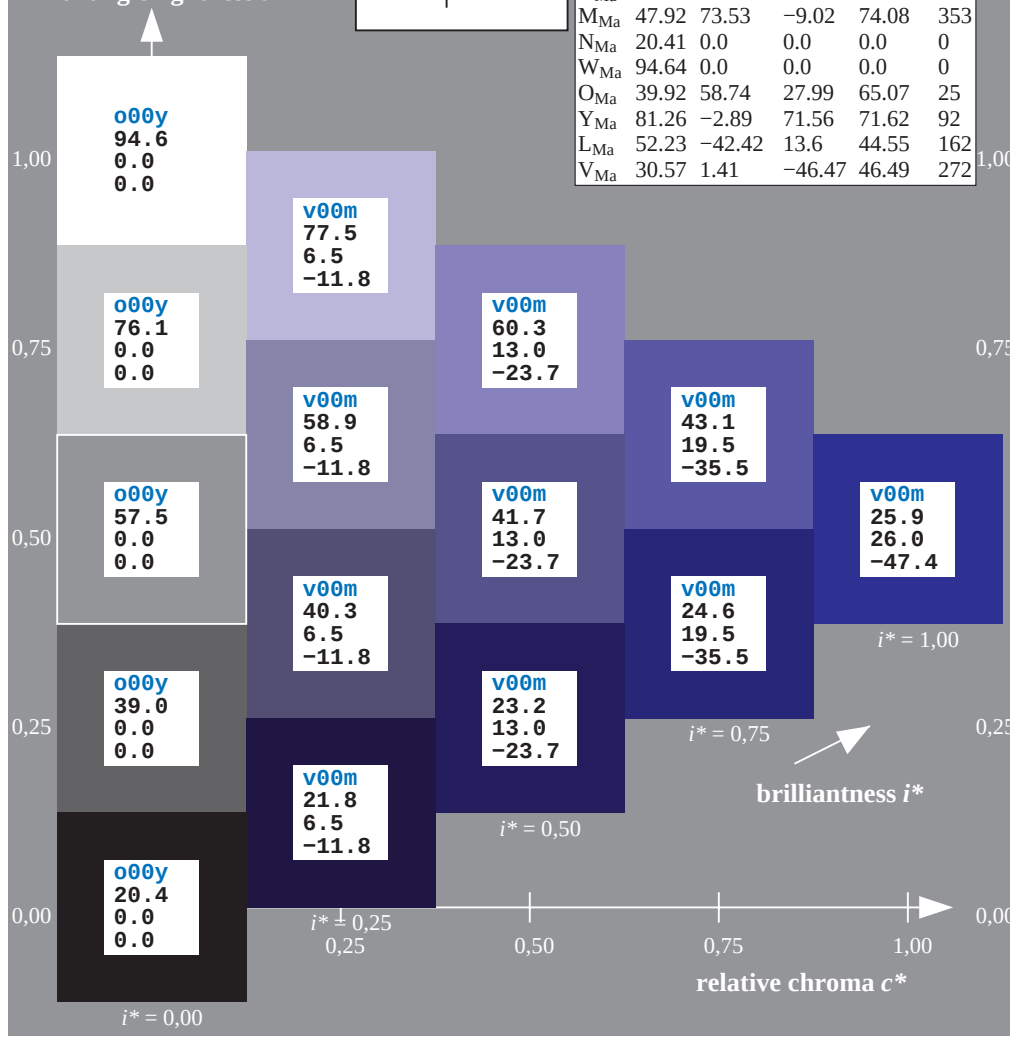
triangle lightness *t**

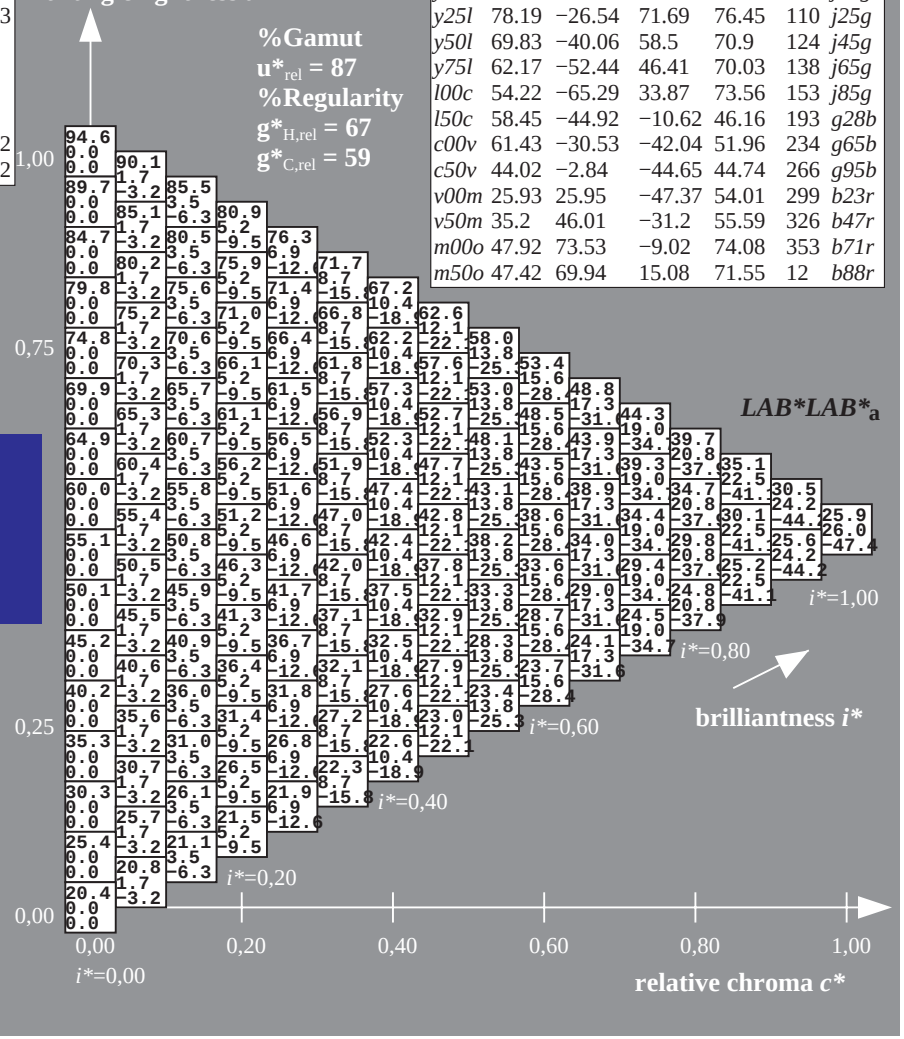
u^*_d = *v00m*

*LAB*LAB**$_a$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

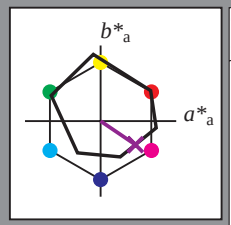




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.905$

$u^*_d = v50m$
$LAB^*LAB^*_a$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = v50m$ $u^*_e = b47r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



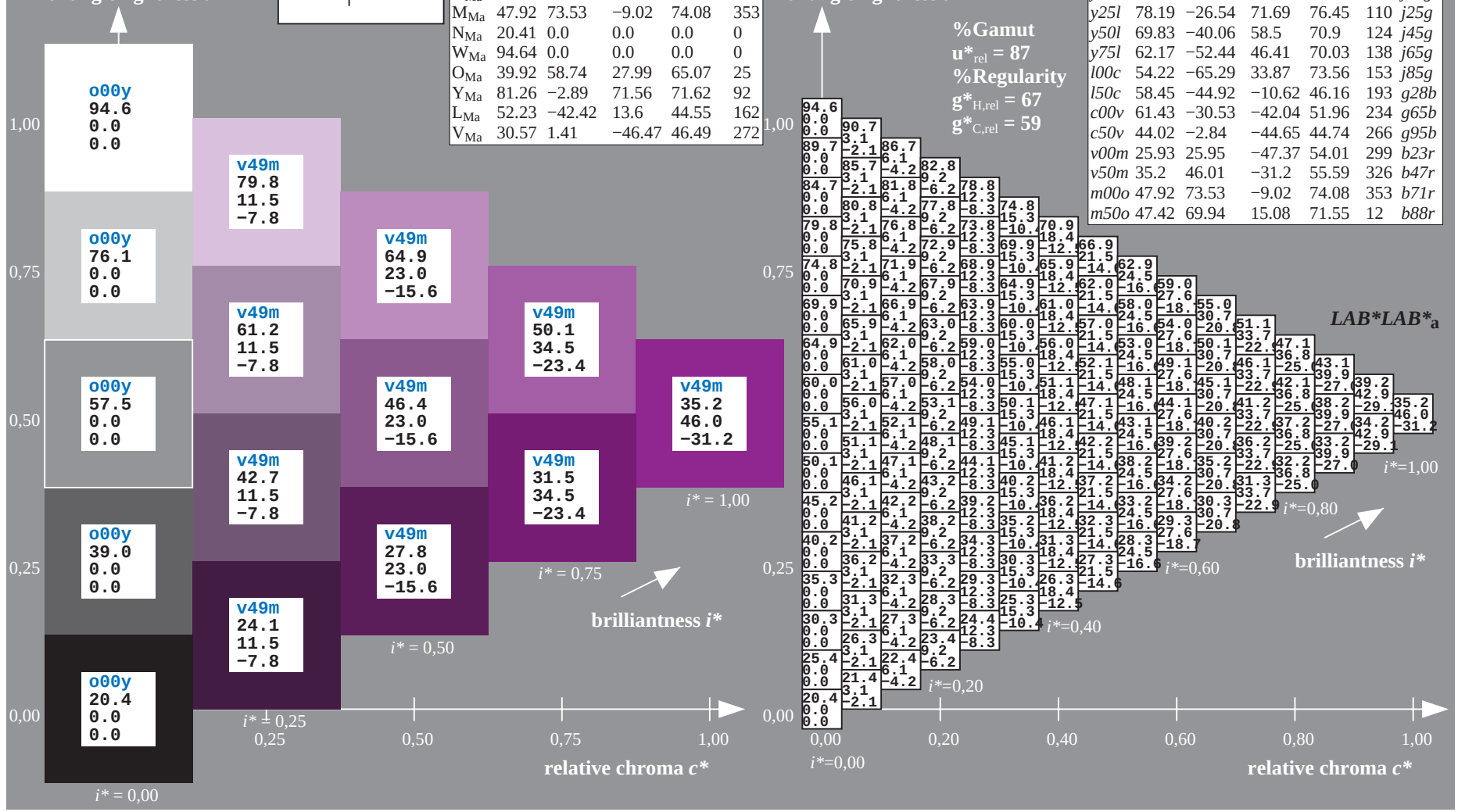
ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 35 46 −31**
***LAB*LCH*$_{Ma}$*: 35 56 325**
***lab*olv*$_{Ma}$*: 0.5 0.0 1.0**
***lab*rgb*$_{Ma}$*: 0.95 0.0 1.0**
triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

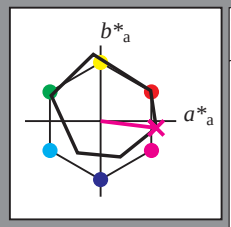
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.981$

$u^*_d = m00o$
$LAB^*LAB^*_a$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = m00o$ $u^*_e = b71r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



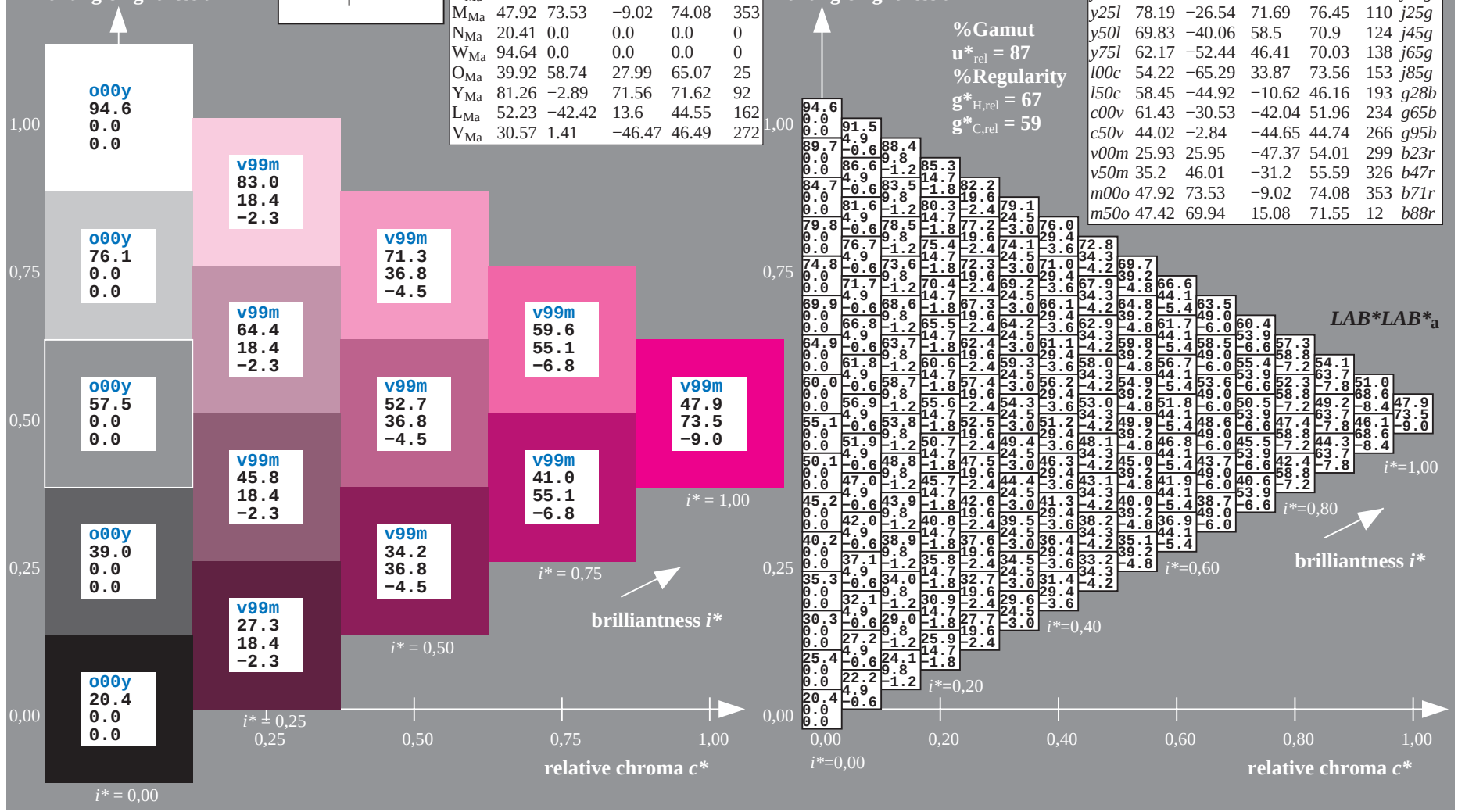
ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 48 74 −9**
***LAB*LCH*$_{Ma}$*: 48 74 353**
***lab*olv*$_{Ma}$*: 1.0 0.0 1.0**
***lab*rgb*$_{Ma}$*: 1.0 0.0 0.57**
triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

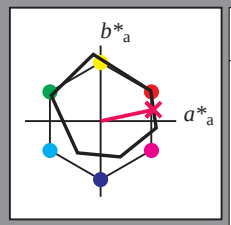
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.034$

$u^*_d = m50o$
$LAB^*LAB^*_a$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = m50o$ $u^*_e = b88r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



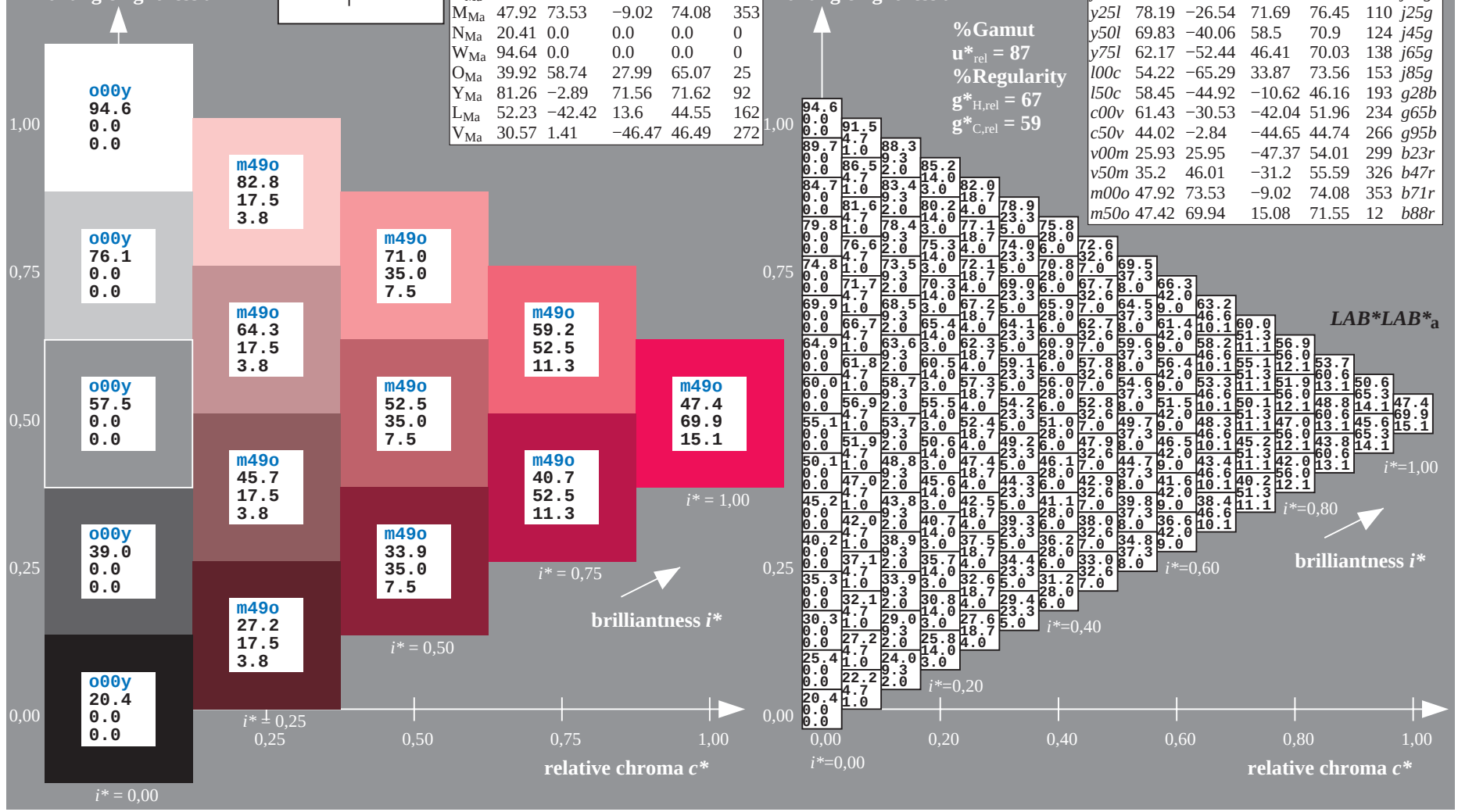
ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 47 70 15**
***LAB*LCH*$_{Ma}$*: 47 72 12**
***lab*olv*$_{Ma}$*: 1.0 0.0 0.5**
***lab*rgb*$_{Ma}$*: 1.0 0.0 0.23**
triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

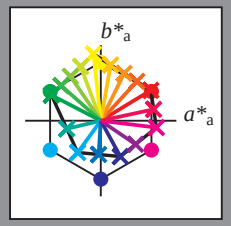


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*	LAB*a		
01	20.4	24.6	28.9	33.1	37.3	41.5	45.8	50.0	54.2	23.7	28.9	32.8	37.0	41.3	45.5	49.8	54.0	58.3	27.0	31.9	37.5	41.0	45.1	49.4	53.6	57.9	62.2	94.6	88.7	82.7	76.7	70.8	64.8	58.8	52.9	46.9	20.4	20.4	20.4	20.4	
	0.0	-8.2	-16.3	-24.5	-32.6	-40.8	-49.0	-57.1	-65.3	8.3	-1.2	-10.0	-18.1	-26.2	-34.3	-42.4	-50.6	-58.7	16.5	7.7	-2.4	-11.7	-20.0	-28.2	-36.3	-44.3	-52.4	0.0	8.3	16.5	24.8	33.1	41.4	49.6	57.9	66.2	0.0	0.0	0.0	0.0	
	0.0	4.2	8.5	12.7	16.9	21.2	25.4	29.6	33.9	5.0	11.0	14.6	18.9	23.2	27.5	31.8	36.0	40.3	10.1	15.7	22.1	25.1	29.2	33.5	37.8	42.1	46.4	0.0	5.0	10.1	15.1	20.1	25.2	30.2	35.2	40.3	0.0	0.0	0.0	0.0	
02	21.1	25.5	29.9	34.3	38.6	42.9	47.2	51.5	55.7	23.8	29.7	33.9	38.1	42.4	46.6	50.8	55.0	59.3	27.2	33.0	38.2	42.0	46.3	50.6	54.8	59.1	63.3	90.5	85.4	79.4	73.4	67.5	61.5	55.5	49.5	43.6	29.7	29.7	29.7	29.7	
	3.2	-3.8	-11.2	-18.7	-26.4	-34.2	-42.1	-50.0	-58.0	9.2	0.0	-8.2	-16.3	-24.5	-32.6	-40.8	-49.0	-57.1	17.5	8.3	-1.2	-10.0	-18.1	-26.2	-34.3	-42.4	-50.6	-3.8	0.0	8.3	16.5	24.8	33.1	41.4	49.6	57.9	0.0	0.0	0.0	0.0	
	-5.9	-5.3	-2.7	0.1	3.3	6.7	10.4	14.1	18.0	-1.1	0.0	4.2	8.5	12.7	16.9	21.2	25.4	29.6	3.8	5.0	11.0	14.6	18.9	23.2	27.5	31.8	36.0	-5.3	0.0	5.0	10.1	15.1	20.1	25.2	30.2	35.2	0.0	0.0	0.0	0.0	
03	21.8	26.3	30.7	35.0	39.4	43.8	48.2	52.5	56.8	24.1	30.4	34.8	39.2	43.6	47.9	52.2	56.5	60.7	27.3	33.1	39.0	43.2	47.4	51.6	55.9	60.1	64.3	86.3	81.2	76.1	70.1	64.1	58.2	52.2	46.2	40.3	39.0	39.0	39.0	39.0	
	6.5	-0.7	-7.6	-15.2	-22.5	-29.9	-37.4	-45.1	-52.8	11.5	3.2	-3.8	-11.2	-18.7	-26.4	-34.2	-42.1	-50.0	18.4	9.2	0.0	-8.2	-16.3	-24.5	-32.6	-40.8	-49.0	-7.6	-3.8	0.0	8.3	16.5	24.8	33.1	41.4	49.6	0.0	0.0	0.0	0.0	
	-11.8	-11.2	-10.5	-7.7	-5.3	-2.7	0.2	3.3	6.5	-7.8	-5.9	-5.3	-2.7	0.1	3.3	6.7	10.4	14.1	-2.3	-1.1	0.0	4.2	8.5	12.7	16.9	21.2	25.4	-10.5	-5.3	0.0	5.0	10.1	15.1	20.1	25.2	30.2	0.0	0.0	0.0	0.0	
04	22.5	27.3	31.3	35.8	40.1	44.5	48.9	53.3	57.7	24.8	31.1	35.6	39.9	44.3	48.7	53.1	57.4	61.8	27.3	33.4	39.7	44.1	48.5	52.8	57.2	61.5	65.8	82.2	77.1	71.9	66.8	60.8	54.9	48.9	42.9	37.0	48.2	48.2	48.2	48.2	
	9.7	2.1	-4.2	-11.4	-19.1	-26.4	-33.7	-41.1	-48.6	14.7	6.5	-0.7	-7.6	-15.2	-22.5	-29.9	-37.4	-45.1	20.1	11.5	3.2	-3.8	-11.2	-18.7	-26.4	-34.2	-42.1	-11.4	-7.6	-3.8	0.0	8.3	16.5	24.8	33.1	41.4	0.0	0.0	0.0	0.0	
	-17.8	-17.0	-16.4	-15.8	-12.7	-10.4	-8.0	-5.4	-2.6	-13.8	-11.8	-11.2	-10.5	-7.7	-5.3	-2.7	0.2	3.3	-9.4	-7.8	-5.9	-5.3	-2.7	0.1	3.3	6.7	10.4	-15.8	-10.5	-5.3	0.0	5.0	10.1	15.1	20.1	25.2	0.0	0.0	0.0	0.0	
05	23.2	28.1	32.2	36.2	40.9	45.2	49.6	54.0	58.4	25.5	31.8	36.5	40.5	45.1	49.4	53.8	58.2	62.6	27.8	34.0	40.3	44.9	49.2	53.6	58.0	62.4	66.7	78.0	72.9	67.8	62.7	57.5	51.6	45.6	39.6	33.7	57.5	57.5	57.5	57.5	
	13.0	5.1	-1.4	-7.8	-15.3	-23.0	-30.3	-37.6	-44.9	17.9	9.7	2.1	-4.2	-11.4	-19.1	-26.4	-33.7	-41.1	23.0	14.7	6.5	-0.7	-7.6	-15.2	-22.5	-29.9	-37.4	-15.3	-11.4	-7.6	-3.8	0.0	8.3	16.5	24.8	33.1	0.0	0.0	0.0	0.0	
	-23.7	-22.9	-22.3	-21.7	-21.0	-17.8	-15.4	-13.0	-10.6	-19.7	-17.8	-17.0	-16.4	-15.8	-12.7	-10.4	-8.0	-5.4	-15.6	-13.8	-11.8	-11.2	-10.5	-7.7	-5.3	-2.7	0.2	-21.0	-15.8	-10.5	-5.3	0.0	5.0	10.1	15.1	20.1	0.0	0.0	0.0	0.0	
06	23.9	28.9	33.2	37.1	41.3	46.0	50.4	54.7	59.1	26.1	32.4	37.4	41.5	45.5	50.2	54.5	58.9	63.3	28.4	34.7	41.0	45.8	49.8	54.3	58.7	63.1	67.5	73.9	68.8	63.6	58.5	53.4	48.2	42.3	36.3	30.3	66.8	66.8	66.8	66.8	
	16.2	8.1	1.4	-4.9	-11.5	-19.1	-26.9	-34.2	-41.5	21.2	13.0	5.1	-1.4	-7.8	-15.3	-23.0	-30.3	-37.6	26.1	17.9	9.7	2.1	-4.2	-11.4	-19.1	-26.4	-33.7	-19.1	-15.3	-11.4	-7.6	-3.8	0.0	8.3	16.5	24.8	0.0	0.0	0.0	0.0	
	-29.6	-28.8	-28.2	-27.6	-27.0	-26.3	-22.9	-20.4	-18.0	-25.6	-23.7	-22.9	-22.3	-21.7	-21.0	-17.8	-15.4	-13.0	-21.6	-19.7	-17.8	-17.0	-16.4	-15.8	-12.7	-10.4	-8.0	-26.3	-21.0	-15.8	-10.5	-5.3	0.0	5.0	10.1	15.1	0.0	0.0	0.0	0.0	
07	24.6	29.7	34.1	38.1	42.1	46.3	51.2	55.5	59.8	26.8	33.1	38.2	42.5	46.4	50.6	55.3	59.6	64.0	29.1	35.4	41.7	46.7	50.8	54.8	59.5	63.8	68.2	69.7	64.6	59.5	54.3	49.2	44.1	39.0	33.0	27.0	76.1	76.1	76.1	76.1	
	19.5	11.2	4.3	-2.1	-8.5	-15.2	-22.9	-30.7	-38.1	24.4	16.2	8.1	1.4	-4.9	-11.5	-19.1	-26.9	-34.2	29.4	21.2	13.0	5.1	-1.4	-7.8	-15.3	-23.0	-30.3	-22.9	-19.1	-15.3	-11.4	-7.6	-3.8	0.0	8.3	16.5	0.0	0.0	0.0	0.0	
	-35.5	-34.7	-34.1	-33.5	-32.9	-32.3	-31.5	-28.0	-25.4	-31.5	-29.6	-28.8	-28.2	-27.6	-27.0	-26.3	-22.9	-20.4	-27.6	-25.6	-23.7	-22.9	-22.3	-21.7	-21.0	-17.8	-15.4	-31.5	-26.3	-21.0	-15.8	-10.5	-5.3	0.0	5.0	10.1	0.0	0.0	0.0	0.0	
08	25.2	30.5	35.0	39.1	43.0	47.1	51.4	56.3	60.6	27.5	33.8	39.0	43.4	47.4	51.4	55.6	60.5	64.7	29.8	36.1	42.4	47.5	51.7	55.7	59.8	64.6	68.9	65.6	60.5	55.3	50.2	45.1	39.9	34.8	29.7	23.7	85.4	85.4	85.4	85.4	
	22.7	14.4	7.2	0.7	-5.6	-12.0	-18.9	-26.7	-34.6	27.7	19.5	11.2	4.3	-2.1	-8.5	-15.2	-22.9	-30.7	32.6	24.4	16.2	8.1	1.4	-4.9	-11.5	-19.1	-26.9	-26.7	-22.9	-19.1	-15.3	-11.4	-7.6	-3.8	0.0	8.3	0.0	0.0	0.0	0.0	
	-41.4	-40.7	-40.0	-39.4	-38.8	-38.2	-37.5	-36.8	-33.2	-37.4	-35.5	-34.7	-34.1	-33.5	-32.9	-32.3	-31.5	-28.0	-33.5	-31.5	-29.6	-28.8	-28.2	-27.6	-27.0	-26.3	-22.9	-36.8	-31.5	-26.3	-21.0	-15.8	-10.5	-5.3	0.0	5.0	0.0	0.0	0.0	0.0	
09	25.9	31.2	35.8	40.0	44.0	48.0	52.1	56.5	61.4	28.2	34.5	39.8	44.3	48.4	52.3	56.4	60.7	65.6	30.5	36.8	43.1	48.3	52.7	56.7	60.7	64.9	69.7	61.4	56.3	51.2	46.0	40.9	35.8	30.7	25.5	20.4	94.6	94.6	94.6	94.6	
	26.0	17.5	10.2	3.5	-2.8	-9.1	-15.6	-22.6	-30.5	30.9	22.7	14.4	7.2	0.7	-5.6	-12.0	-18.9	-26.7	35.8	27.7	19.5	11.2	4.3	-2.1	-8.5	-15.2	-22.9	-30.5	-26.7	-22.9	-19.1	-15.3	-11.4	-7.6	-3.8	0.0	0.0	0.0	0.0	0.0	
	-47.4	-46.6	-45.9	-45.3	-44.7	-44.1	-43.4	-42.8	-42.0	-43.4	-41.4	-40.7	-40.0	-39.4	-38.8	-38.2	-37.5	-36.8	-39.4	-37.4	-35.5	-34.7	-34.1	-33.5	-32.9	-32.3	-31.5	-42.0	-36.8	-31.5	-26.3	-21.0	-15.8	-10.5	-5.3	0.0	0.0	0.0	0.0	0.0	
10	30.3	35.3	40.0	46.0	49.3	53.3	57.5	61.7	66.0	33.7	38.8	43.4	48.3	54.5	57.7	61.5	65.6	69.8	37.0	42.2	46.8	51.5	56.6	63.1	66.1	69.8	73.9	94.6	93.9	93.1	92.4	91.6	90.9	90.2	89.4	88.7	20.4	20.4	20.4	20.4	
	24.8	15.7	7.2	-3.6	-13.3	-21.8	-30.0	-38.2	-46.3	33.1	23.8	15.4	6.5	-4.8	-14.7	-23.5	-31.8	-40.1	41.4	31.9	23.4	15.0	5.7	-6.0	-16.1	-25.0	-33.6	0.0	-1.2	-2.4	-3.6	-4.8	-6.0	-7.2	-8.4	-9.6	0.0	0.0	0.0	0.0	
	15.1	20.8	26.2	33.1	35.8	39.7	43.9	48.1	52.4	20.1	26.0	31.3	36.9	44.1	46.6	50.3	54.3	58.5	25.2	31.2	36.5	41.8	47.8	55.1	57.5	61.0	64.8	0.0	11.0	22.1	33.1	44.1	55.1	66.2	77.2	88.2	0.0	0.0	0.0	0.0	
11	30.5	36.3	41.2	46.8	50.3	54.4	58.6	62.9	67.2	33.8	39.6	44.6	49.3	55.3	58.6	62.6	66.8	71.0	37.1	42.9	48.1	52.7	57.6	63.8	67.0	70.8	74.9	86.1	85.4	84.6	83.9	83.1	82.4	81.6	80.9	80.1	25.4	25.4	25.4	25.4	
	25.8	16.5	7.7	-2.4	-11.7	-20.0	-28.2	-36.3	-44.3	34.1	24.8	15.7	7.2	-3.6	-13.3	-21.8	-30.0	-38.2	42.4	33.1	23.8	15.4	6.5	-4.8	-14.7	-23.5	-31.8	23.2	0.0	-1.2	-2.4	-3.6	-4.8	-6.0	-7.2	-8.4	0.0	0.0	0.0	0.0	
	8.7	10.1	15.7	22.1	25.1	29.2	33.5	37.8	42.1	13.6	15.1	20.8	26.2	33.1	35.8	39.7	43.9	48.1	18.6	20.1	26.0	31.3	36.9	44.1	46.6	50.3	54.3	-5.9	0.0	11.0	22.1	33.1	44.1	55.1	66.2	77.2	0.0	0.0	0.0	0.0	
12	30.6	36.4	42.3	47.5	51.3	55.6	59.8	64.1	68.4	33.9	39.8	45.6	50.5	56.0	59.5	63.7	67.9	72.2	37.2	43.1	48.9	53.9	58.6	64.6	67.9	71.9	76.0	77.5	76.8	76.1	75.3	74.6	73.8	73.1	72.3	71.6	30.3	30.3	30.3	30.3	
	26.7	17.5	8.3	-1.2	-10.0	-18.1	-26.2	-34.3	-42.4	35.0	25.8	16.5	7.7	-2.4	-11.7	-20.0	-28.2	-36.3	43.3	34.1	24.8	15.7	7.2	-3.6	-13.3	-21.8	-30.0	6.5	3.2	0.0	-1.2	-2.4	-3.6	-4.8	-6.0	-7.2	0.0	0.0	0.0	0.0	
	2.7	3.8	5.0	11.0	14.6	18.9	23.2	27.5	31.8	7.5	8.7	10.1	15.7	22.1	25.1	29.2	33.5	37.8	12.4	13.6	15.1	20.8	26.2	33.1	35.8	39.7	43.9	-11.8	-5.9	0.0	11.0	22.1	33.1	44.1	55.1	66.2	0.0	0.0	0.0	0.0	
13	30.7	36.6	42.4	48.2	52.5	56.7	60.9	65.2	69.4	34.0	39.9	45.7	51.6	56.8	60.6	64.9	69.1	73.4	37.4	43.2	49.0	54.9	59.7	65.3	68.8	73.0	77.2	68.9	68.2	67.5	66.8	66.1	65.3	64.6	63.8	63.1	35.3	35.3	35.3	35.3	
	27.6	18.4	9.2	0.0	-8.2	-16.3	-24.5	-32.6	-40.8	35.9	26.7	17.5	8.3	-1.2	-10.0	-18.1	-26.2	-34.3	44.2	35.0	25.8	16.5	7.7	-2.4	-11.7	-20.0	-28.2	9.7	6.5	3.2	0.0	-1.2	-2.4	-3.6	-4.8	-6.0	0.0	0.0	0.0	0.0	
	-3.4	-2.3	-1.1	0.0	4.2	8.5	12.7	16.9	21.2	1.6	2.7	3.8	5.0	11.0	14.6	18.9	23.2	27.5	6.5	7.5	8.7	10.1	15.7	22.1	25.1	29.2	33.5	-17.8	-11.8	-5.9	0.0	11.0	22.1	33.1	44.1	55.1	0.0	0.0	0.0	0.0	
14	30.5	36.5	42.7	48.9	53.4	57.8	62.1	66.4	70.7	34.2	40.0	45.8	51.7	57.5	61.8	66.0	70.2	74.4	37.5	43.3	49.2	55.0	60.8	66.1	69.9	74.1	78.4	60.3	59.6	58.9	58.2	57.5	56.8	56.0	55.3	54.5	40.2	40.2	40.2	40.2	
	28.9	20.1	11.5	3.2	-3.8	-11.2	-18.7	-26.4	-34.2	36.8	27.6	18.4	9.2	0.0	-8.2	-16.3	-24.5	-32.6	45.0	35.9	26.7	17.5	8.3	-1.2	-10.0	-18.1	-26.2	13.0	9.7	6.5	3.2	0.0	-1.2	-2.4	-3.6	-4.8	0.0	0.0	0.0	0.0	
	-10.8	-9.4	-7.8	-5.9	-5.3	-2.7	0.1	3.3	6.7	-4.5	-3.4	-2.3	-1.1	0.0	4.2	8.5	12.7	16.9	0.5	1.6	2.7	3.8	5.0	11.0	14.6	18.9	23.2	-23.7	-17.8	-11.8	-5.9	0.0	11.0	22.1	33.1	44.1	0.0	0.0	0.0	0.0	
15	30.9	37.1	43.3	49.6	54.1	58.5	62.9	67.3	71.6	33.8	39.8	45.8	51.9	58.2	62.7	67.0	71.4	75.7	37.6	43.4	49.3	55.1	61.0	66.8	71.0	75.3	79.5	51.7	51.0	50.3	49.6	48.9	48.2	47.5	46.8	46.0	45.2	45.2	45.2	45.2	
	31.5	23.0	14.7	6.5	-0.7	-7.6	-15.2	-22.5	-29.9	37.8	28.9	20.1	11.5	3.2	-3.8	-11.2	-18.7	-26.4	46.0	36.8	27.6	18.4	9.2	0.0	-8.2	-16.3	-24.5	16.2	13.0	9.7	6.5	3.2	0.0	-1.2	-2.4	-3.6	0.0	0.0	0.0	0.0	
	-17.3	-15.6	-13.8	-11.8	-11.2	-10.5	-7.7	-5.3	-2.7	-12.2	-10.8	-9.4	-7.8	-5.9	-5.3	-2.7	0.1	3.3	-5.6	-4.5	-3.4	-2.3	-1.1	0.0	4.2	8.5	12.7	-29.6	-23.7	-17.8	-11.8	-5.9	0.0	11.0	22.1	33.1	0.0	0.0	0.0	0.0	
16	31.5	37.7	44.0	50.3	55.1	59.1	63.6	68.0	72.4	34.1	40.2	46.4	52.6	58.9	63.4	67.8	72.1	76.5	37.2	43.1	49.1	55.1	61.2	67.5	71.9	76.3	80.7	43.1	42.4	41.7	41.0	40.3	39.7	39.0	38.2	37.5	50.1	50.1	50.1	50.1	
	34.5	26.1	17.9	9.7	2.1	-4.2	-11.4	-19.1	-26.4	40.2	31.5	23.0	14.7	6.5	-0.7	-7.6	-15.2	-22.5	46.8	37.8	28.9	20.1	11.5	3.2	-3.8	-11.2	-18.7	19.5	16.2	13.0	9.7	6.5	3.2	0.0	-1.2	-2.4	0.0	0.0	0.0	0.0	
	-23.4	-21.6	-19.7	-17.8	-17.0	-16.4	-15.8	-12.7	-10.4	-18.8	-17.3	-15.6	-13.8	-11.8	-11.2	-10.5	-7.7	-5.3	-13.5	-12.2	-10.8	-9.4	-7.8	-5.9	-5.3	-2.7	0.1	-35.5	-29.6	-23.7	-17.8	-11.8	-5.9	0.0	11.0	22.1	0.0	0.0	0.0	0.0	
17	32.1	38.4	44.7	51.0	56.0	60.1	64.1	68.8	73.1	34.6	40.8	47.0	53.3	59.6	64.4	68.4	72.9	77.2	37.4	43.4	49.5	55.6	61.9	68.2	72.7	77.1	81.4	34.5	33.8	33.1	32.4	31.8	31.1	30.4	29.7	28.9	55.1	55.1	55.1	55.1	
	37.6	29.4	21.2	13.0	5.1	-1.4	-7.8	-15.3	-23.0	43.0	34.5	26.1	17.9	9.7	2.1	-4.2	-11.4	-19.1	49.0	40.2	31.5	23.0	14.7	6.5	-0.7	-7.6	-15.2	22.7	19.5	16.2	13.0	9.7	6.5	3.2	0.0	-1.2	0.0	0.0	0.0	0.0	
	-29.4	-27.6	-25.6	-23.7	-22.9	-22.3	-21.7	-21.0	-17.8	-25.1	-23.4	-21.6	-19.7	-17.8	-17.0	-16.4	-15.8	-12.7	-20.3	-18.8	-17.3	-15.6	-13.8	-11.8	-11.2	-10.5	-7.7	-41.4	-35.5	-29.6	-23.7	-17.8	-11.8	-5.9	0.0	11.0	0.0	0.0	0.0	0.0	
18	32.8	39.1	45.4	51.7	56.8	61.0	65.0	69.1	73.9	35.2	41.4	47.7	54.0	60.3	65.2	69.3	73.4	78.0	37.8	43.9	50.1	56.3	62.6	68.9	73.6	77.6	82.2	25.9	25.2	24.6	23.9	23.2	22.5	21.8	21.1	20.4	60.0	60.0	60.0	60.0	
	40.8	32.6	24.4	16.2	8.1	1.4	-4.9	-11.5	-19.1	46.0	37.6	29.4	21.2	13.0	5.1	-1.4	-7.8	-15.3	51.6	43.0	34.5	26.1	17.9	9.7	2.1	-4.2	-11.4	26.0	22.7	19.5	16.2	13.0	9.7	6.5	3.2	0.0	0.0	0.0	0.0	0.0	
	-35.4	-33.5	-31.5	-29.6	-28.8	-28.2	-27.6	-27.0	-26.3	-31.2	-29.4	-27.6	-25.6	-23.7	-22.9	-22.3	-21.7	-21.0	-26.7	-25.1	-23.4	-21.6	-19.7	-17.8	-17.0	-16.4	-15.8	-47.4	-41.4	-35.5	-29.6	-23.7	-17.8	-11.8	-5.9	0.0	0.0	0.0	0.0	0.0	
19	40.3	45.5	50.3	54.9	59.7	65.0	71.6	74.6	78.2	43.6	48.9	53.7	58.3	63.0	67.9	73.5	80.1	83.0	46.9	52.3	57.1	61.8	66.4	71.1	76.2	81.9	88.7	94.6	89.6	84.5	79.5	74.4	69.4	64.3	59.3	54.2	64.9	64.9	64.9	64.9	
	49.6	40.1	31.5	23.1	14.5	4.7	-7.2	-17.4	-26.5	57.9	48.3	39.5	31.2	22.7	13.8	3.7	-8.4	-18.7	66.2	56.5	47.6	39.2	30.9	22.3	13.0	2.7	-9.6	0.0	-8.2	-16.3	-24.5	-32.6	-40.8	-49.0	-57.1	-65.3	0.0	0.0	0.0	0.0	
	30.2	36.3	41.7	47.0	52.5	58.6	66.2	68.4	71.7	35.2	41.4	46.9	52.2	57.5	63.1	69.5	77.2	79.3	40.3	46.4	52.0	57.4	62.6	68.1	73.9	80.4	88.2	0.0	4.2	8.5	12.7	16.9	21.2	25.4	29.6	33.9	0.0	0.0	0.0	0.0	
20	40.4	46.2	51.4	56.1	60.8	65.9	72.3	75.4	79.1	43.7	49.5	54.8	59.6	64.2	68.9	74.3	80.9	83.8	47.0	52.9	58.2	63.0	67.6	72.2	77.2	82.7	89.4	88.8	85.4	80.3	75.3	70.2	65.2	60.1	55.0	50.0	69.9	69.9	69.9	69.9	
	50.6	41.4	31.9	23.4	15.0	5.7	-6.0	-16.1	-25.0	58.9	49.6	40.1	31.5	23.1	14.5	4.7	-7.2	-17.4	67.2	57.9	48.3	39.5	31.2	22.7	13.8	3.7	-8.4	9.2	0.0	-8.2	-16.3	-24.5	-32.6	-40.8	-49.0	-57.1	0.0	0.0	0.0	0.0	
	23.5	25.2	31.2	36.5	41.8	47.8	55.1	57.5	61.0	28.5	30.2	36.3	41.7	47.0	52.5	58.6	66.2	68.4	33.6	35.2	41.4	46.9	52.2	57.5	63.1	69.5	77.2	-1.1	0.0	4.2	8.5	12.7	16.9	21.2	25.4	29.6	0.0	0.0	0.0	0.0	
21	40.5	46.4	52.2	57.3	61.9	66.9	73.1	76.2	80.1	43.9	49.7	55.5	60.7	65.4	70.0	75.2	81.6	84.7	47.2	53.0	58.8	64.1	68.8	73.4	78.2	83.6	90.2	83.0	79.5	76.1	71.0	66.0	60.9	55.9	50.8	45.8	74.8	74.8	74.8	74.8	
	51.6	42.4	33.1	23.8	15.4	6.5	-4.8	-14.7	-23.5	59.9	50.6	41.4	31.9	23.4	15.0	5.7	-6.0	-16.1	68.1	58.9	49.6	40.1	31.5	23.1	14.5	4.7	-7.2	18.4	9.2	0.0	-8.2	-16.3	-24.5	-32.6	-40.8	-49.0	0.0	0.0	0.0	0.0	
	17.3	18.6	20.1	26.0	31.3	36.9	44.1	46.6	50.3	22.2	23.5	25.2	31.2	36.5	41.8	47.8	55.1	57.5	27.2	28.5	30.2	36.3	41.7	47.0	52.5	58.6	66.2	-2.3	-1.1	0.0	4.2	8.5	12.7	16.9	21.2	25.4	0.0	0.0	0.0	0.0	
22	40.7	46.5	52.3	58.2	63.2	67.9	73.8	77.1	81.1	44.0	49.8	55.7	61.5	66.6	71.2	76.1	82.4	85.5	47.3	53.1	59.0	64.8	70.0	74.7	79.3	84.5	90.9	77.1	73.7	70.2	66.8	61.8	56.7	51.6	46.6	41.5	79.8	79.8	79.8	79.8	
	52.5	43.3	34.1	24.8	15.7	7.2	-3.6	-13.3	-21.8	60.8	51.6	42.4	33.1	23.8	15.4	6.5	-4.8	-14.7	69.1	59.9	50.6

Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
u^*_d and number *no.* = 00 .. 15
device hue text:
u^*_d = 16 hues *o00y, o25y, ..., m50o*
contrast reduction factor:
c_R = 1.0

ORS20_95a; adapted (a) CIELAB data

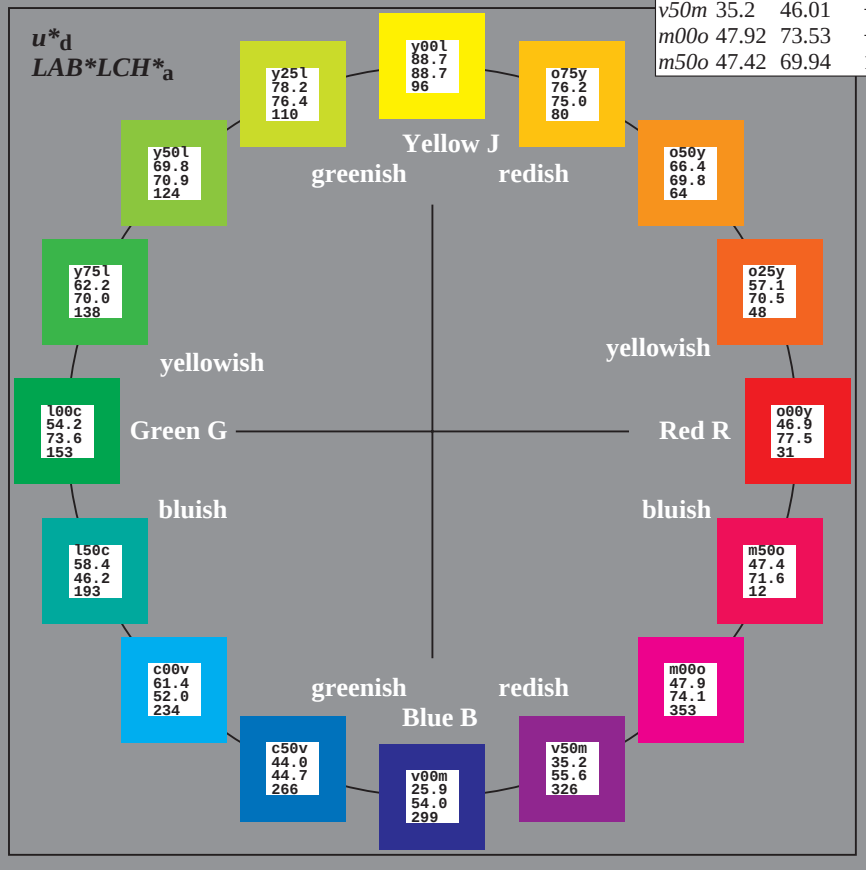
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

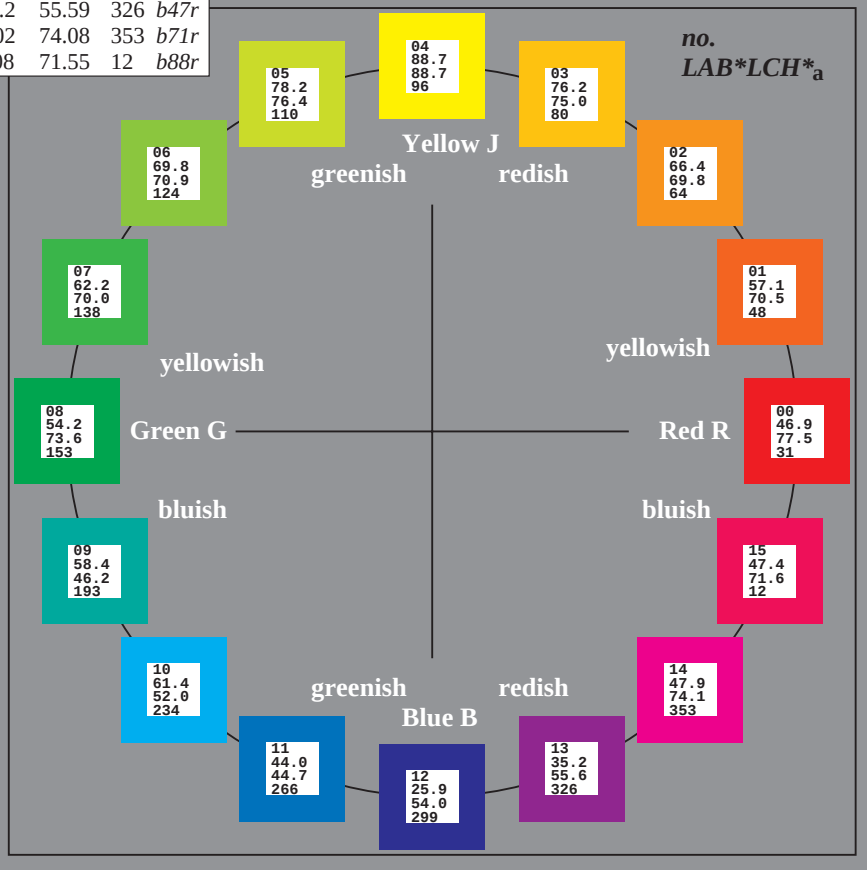


%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 67
$g^*_{C,rel}$ = 59

ORS20_95a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	−46.47	46.49	272





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$

data for any colour:

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

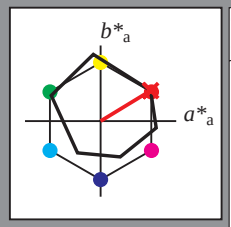
Hue texts:

u^*_d = *o00y* u^*_e = *r09j*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 47 66 40**

***LAB*LCH**$_{Ma}$: 47 77 31**

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

***lab*rgb**$_{Ma}$: 1.0 0.09 0.0**

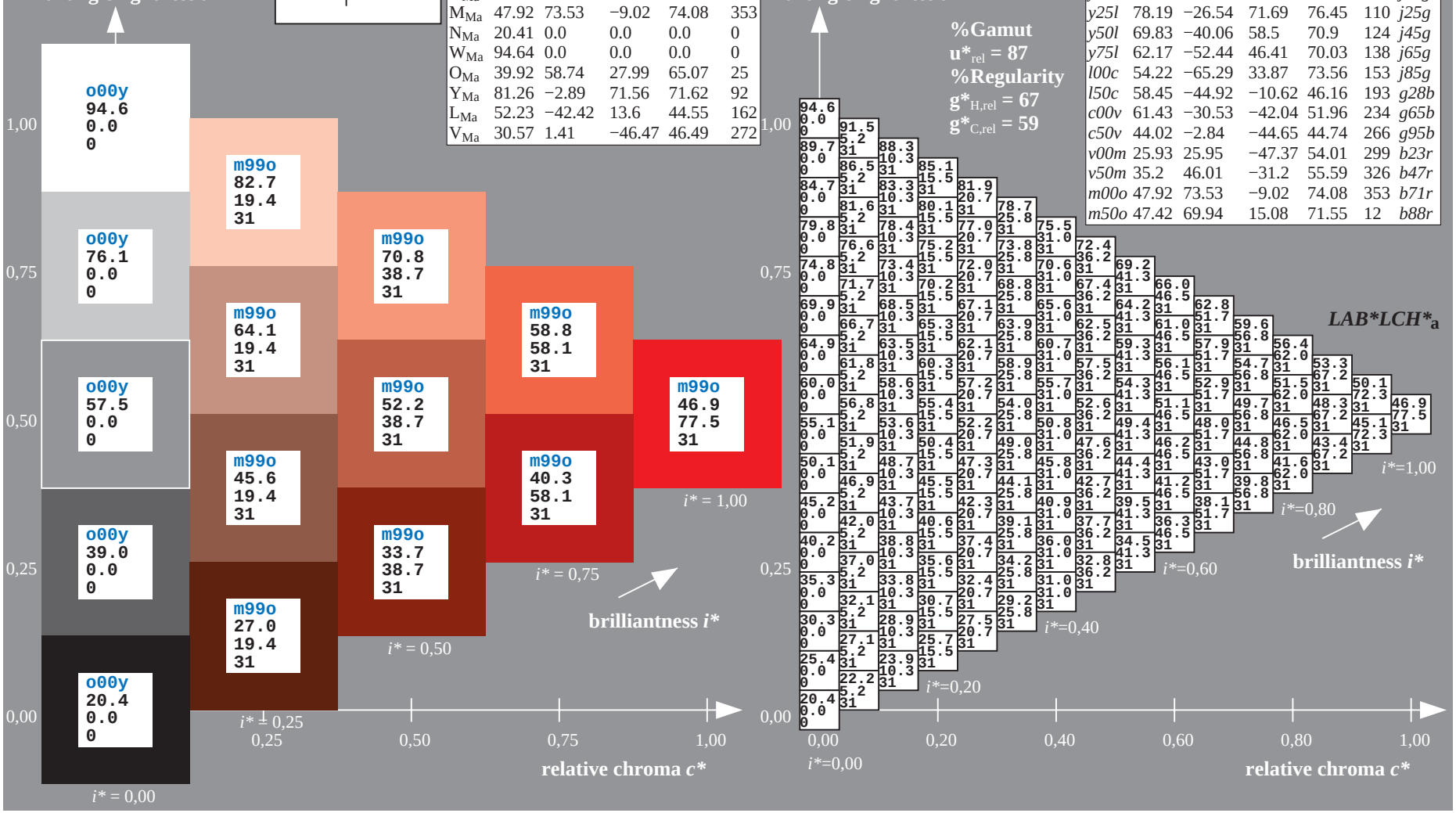
triangle lightness *t**

u^*_d = *o00y*

***LAB*LCH**$_a$**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

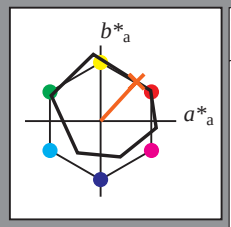
Hue texts:

u^*_d = *o25y* u^*_e = *r33j*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 57 48 52

*LAB*LCH**$_{Ma}$: 57 71 47

*lab*olv**$_{Ma}$: 1.0 0.25 0.0

*lab*rgb**$_{Ma}$: 1.0 0.33 0.0

triangle lightness *t**

%Gamut

u^*_{rel} = 87

%Regularity

$g^*_{H,rel}$ = 67

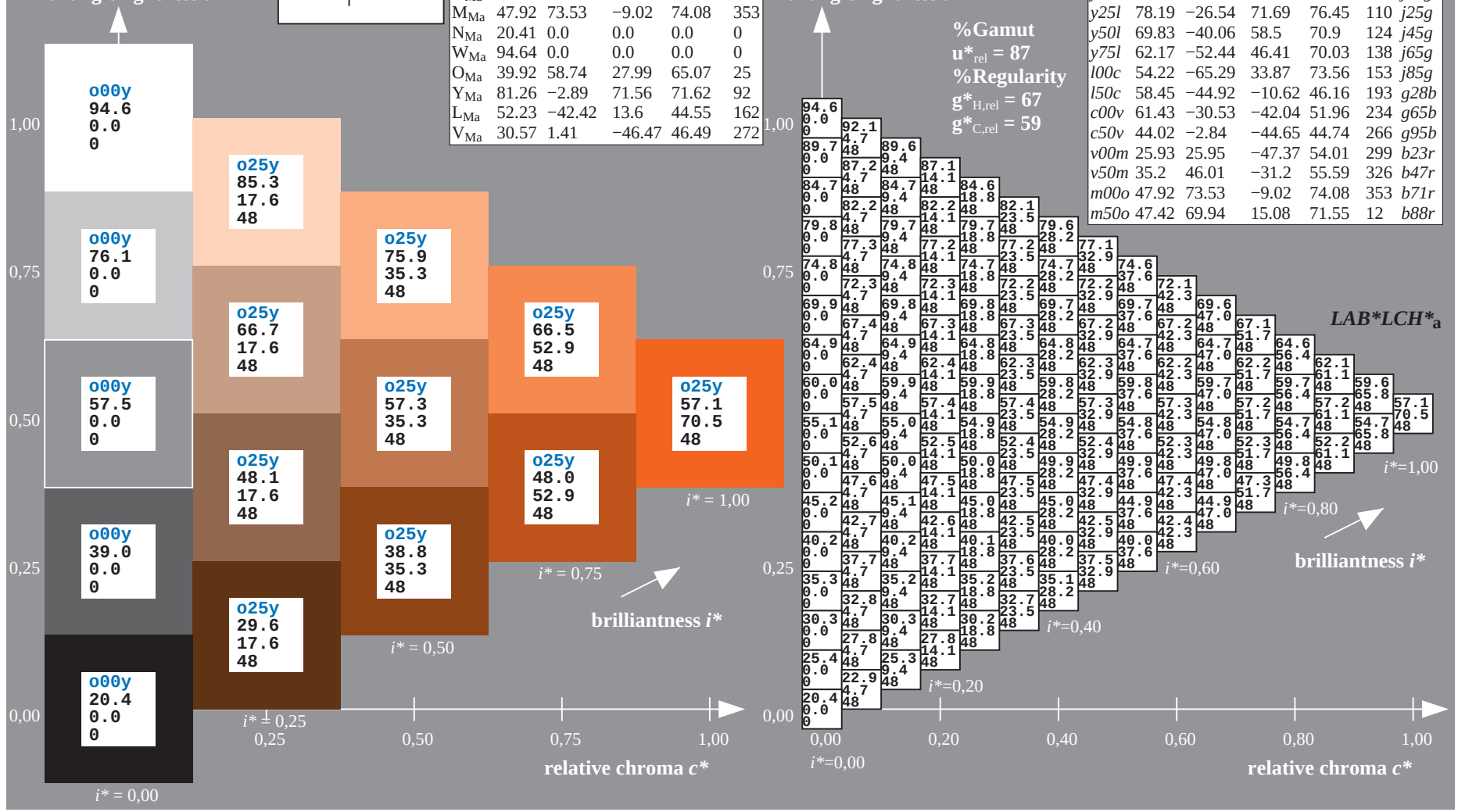
$g^*_{C,rel}$ = 59

u^*_d = *o25y*

*LAB*LCH**$_a$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.177$

data for any colour:

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

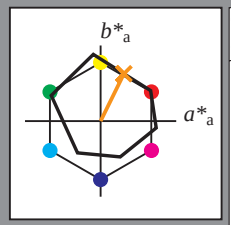
Hue texts:

u^*_d = *o50y* u^*_e = *r57j*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 66 31 63

*LAB*LCH**$_{Ma}$: 66 70 63

*lab*olv**$_{Ma}$: 1.0 0.5 0.0

*lab*rgb**$_{Ma}$: 1.0 0.57 0.0

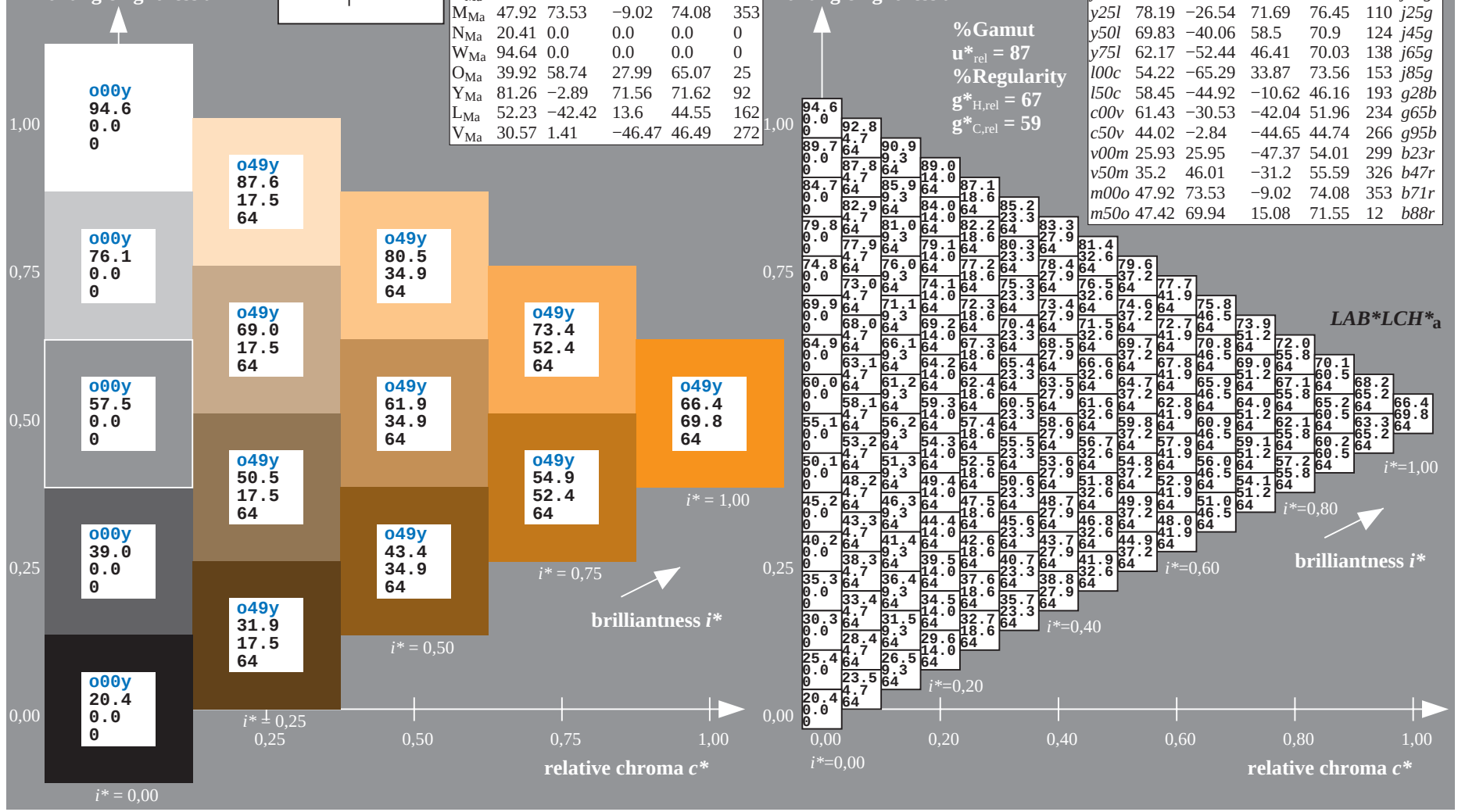
triangle lightness *t**

u^*_d = *o50y*

*LAB*LCH**$_a$

ORS20_95a; adapted (a) CIELAB data

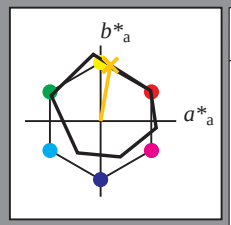
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.222$

$u^*_d = o75y$
$LAB^*LCH^*_a$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = o75y$ $u^*_e = r81j$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

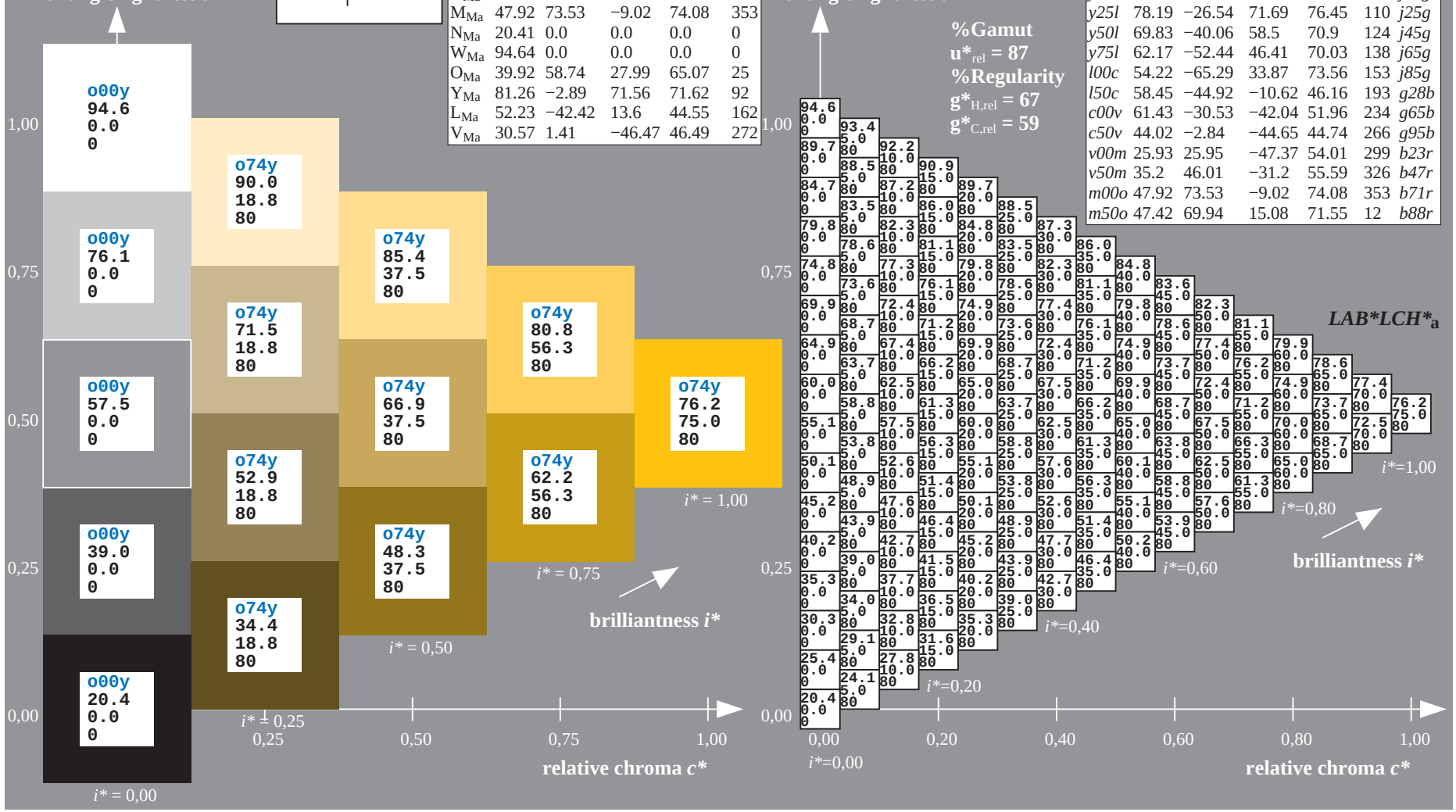
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 76 13 74**
***LAB*LCH*$_{Ma}$*: 76 75 79**
***lab*olv*$_{Ma}$*: 1.0 0.75 0.0**
***lab*rgb*$_{Ma}$*: 1.0 0.82 0.0**
triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 67$
$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.267$

data for any colour:

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

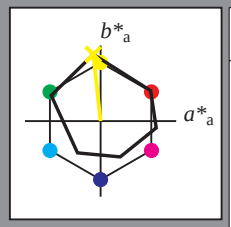
Hue texts:

$u^*_d = y00l$ $u^*_e = j06g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 89 −10 88**

***LAB*LCH**$_{Ma}$: 89 89 96**

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

***lab*rgb**$_{Ma}$: 0.94 1.0 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

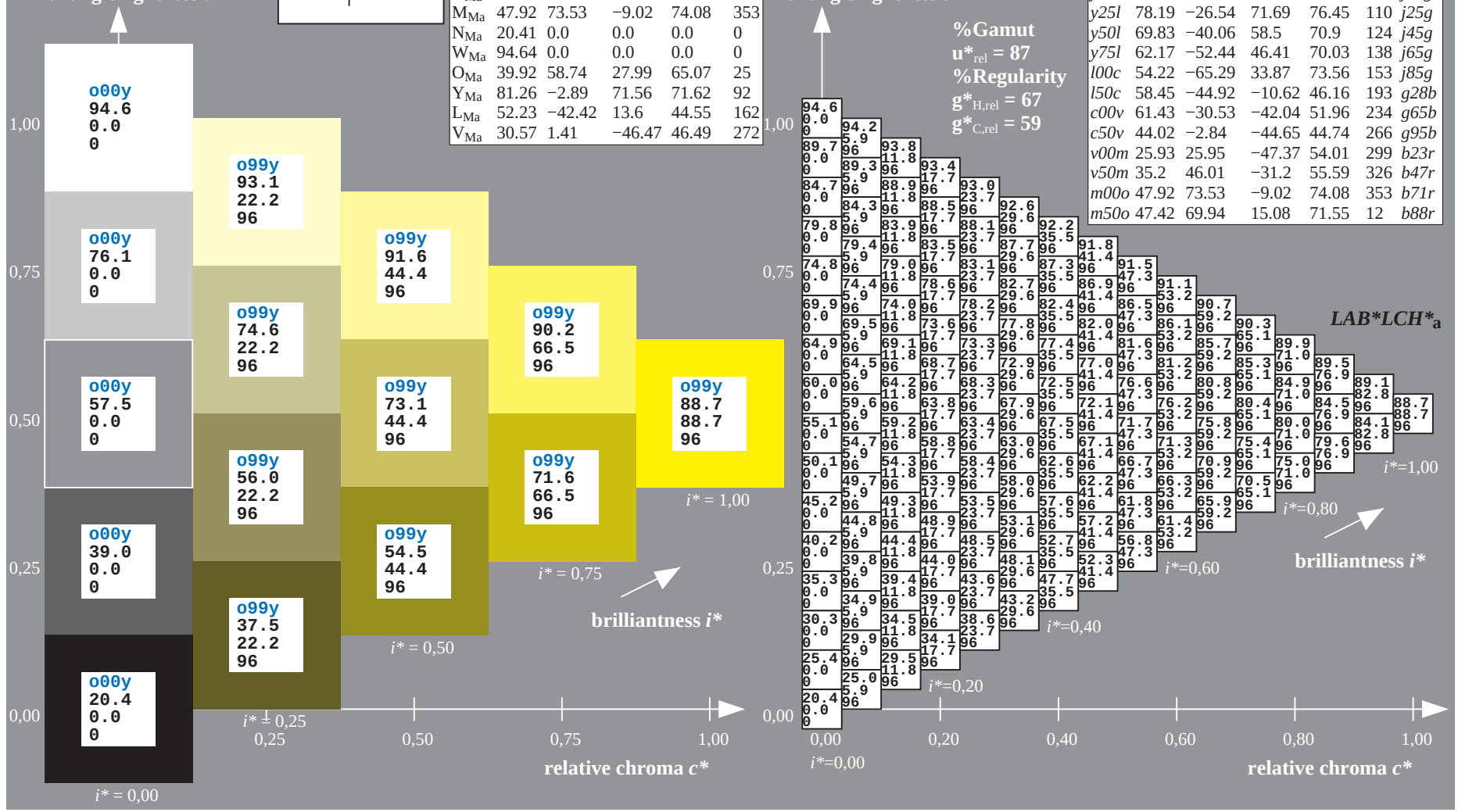
$g^*_{C,rel} = 59$

$u^*_d = y00l$

***LAB*LCH**$_a$**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.306$

data for any colour:

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

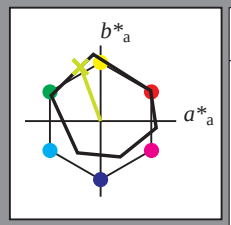
Hue texts:

$u^*_d = y25l$ $u^*_e = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 78 −27 72

*LAB*LCH**$_{Ma}$: 78 76 110

*lab*olv**$_{Ma}$: 0.75 1.0 0.0

*lab*rgb**$_{Ma}$: 0.74 1.0 0.0

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

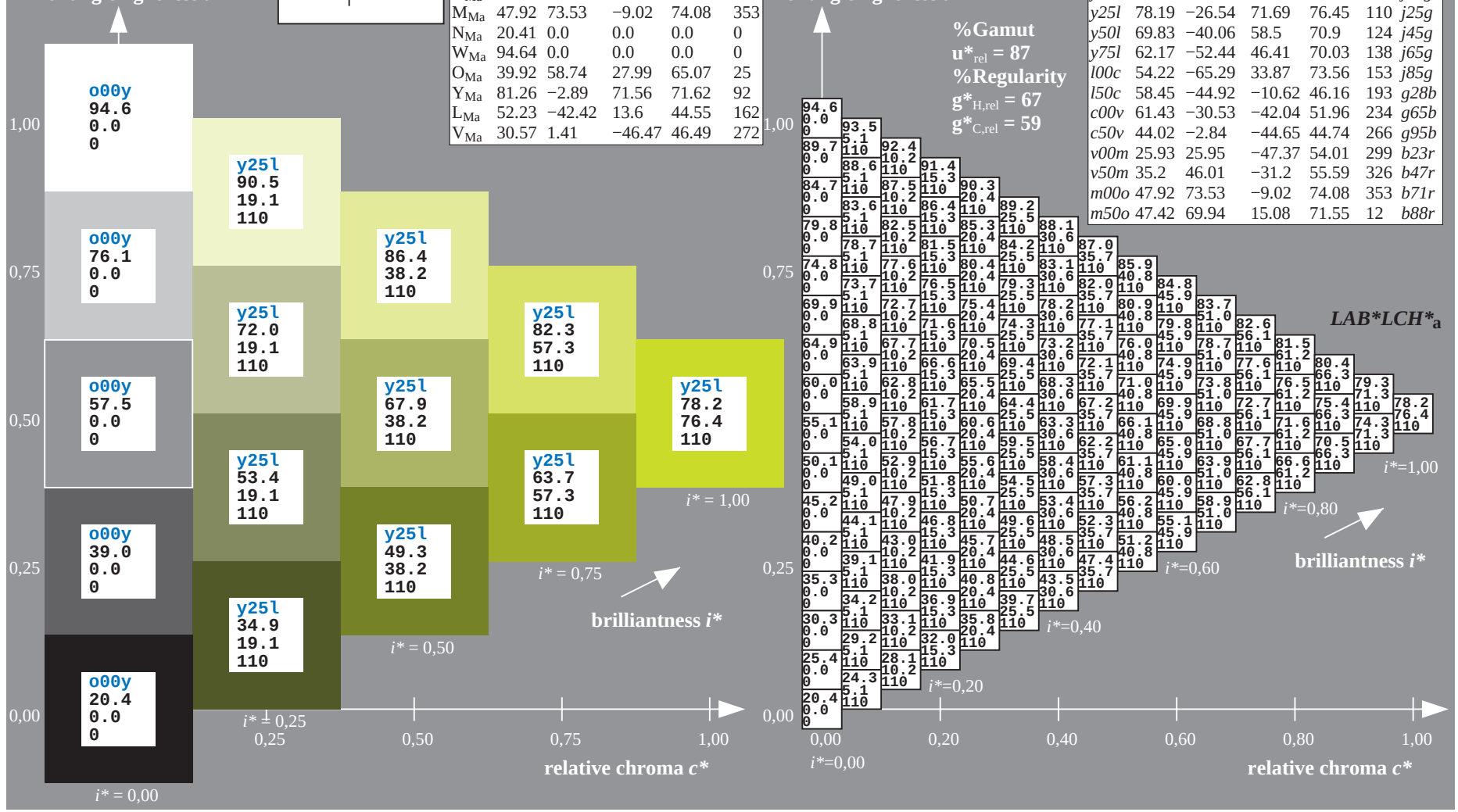
$g^*_{C,rel} = 59$

$u^*_d = y25l$

*LAB*LCH**$_a$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.346$

data for any colour:

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

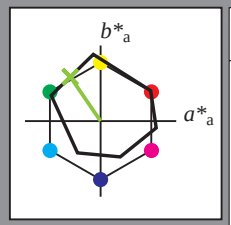
Hue texts:

$u^*_d = y50l$ $u^*_e = j45g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 70 −40 58**

***LAB*LCH**$_{Ma}$: 70 71 124**

***lab*olv**$_{Ma}$: 0.5 1.0 0.0**

***lab*rgb**$_{Ma}$: 0.54 1.0 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

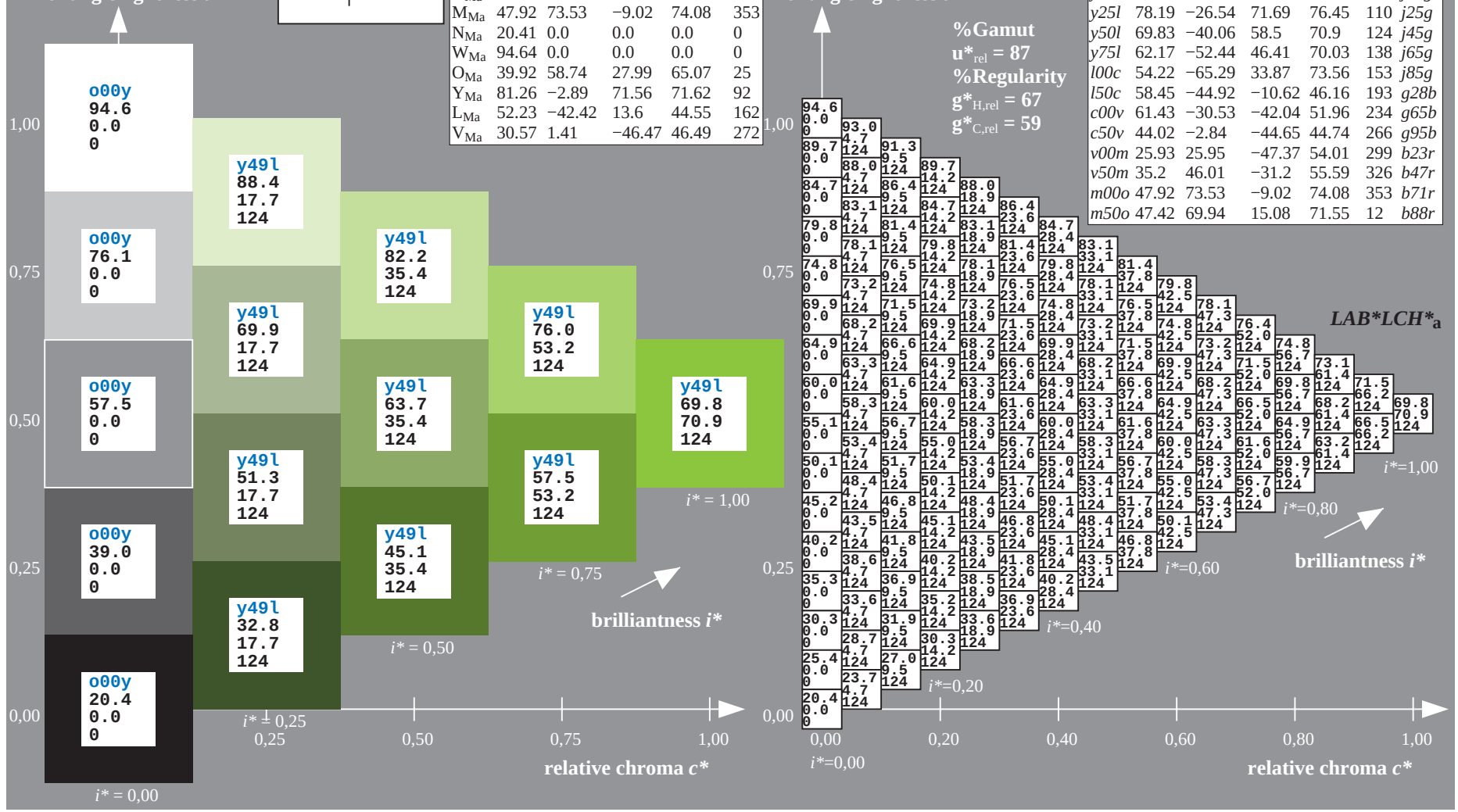
$g^*_{C,rel} = 59$

u*$_d$ = y50l

***LAB*LCH**$_a$**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.385$

data for any colour:

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

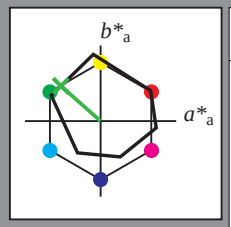
Hue texts:

$u^*_d = y75l$ $u^*_e = j65g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 62 −52 46

$LAB^*LCH^*_{Ma}$: 62 70 138

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

$lab^*rgb^*_{Ma}$: 0.34 1.0 0.0

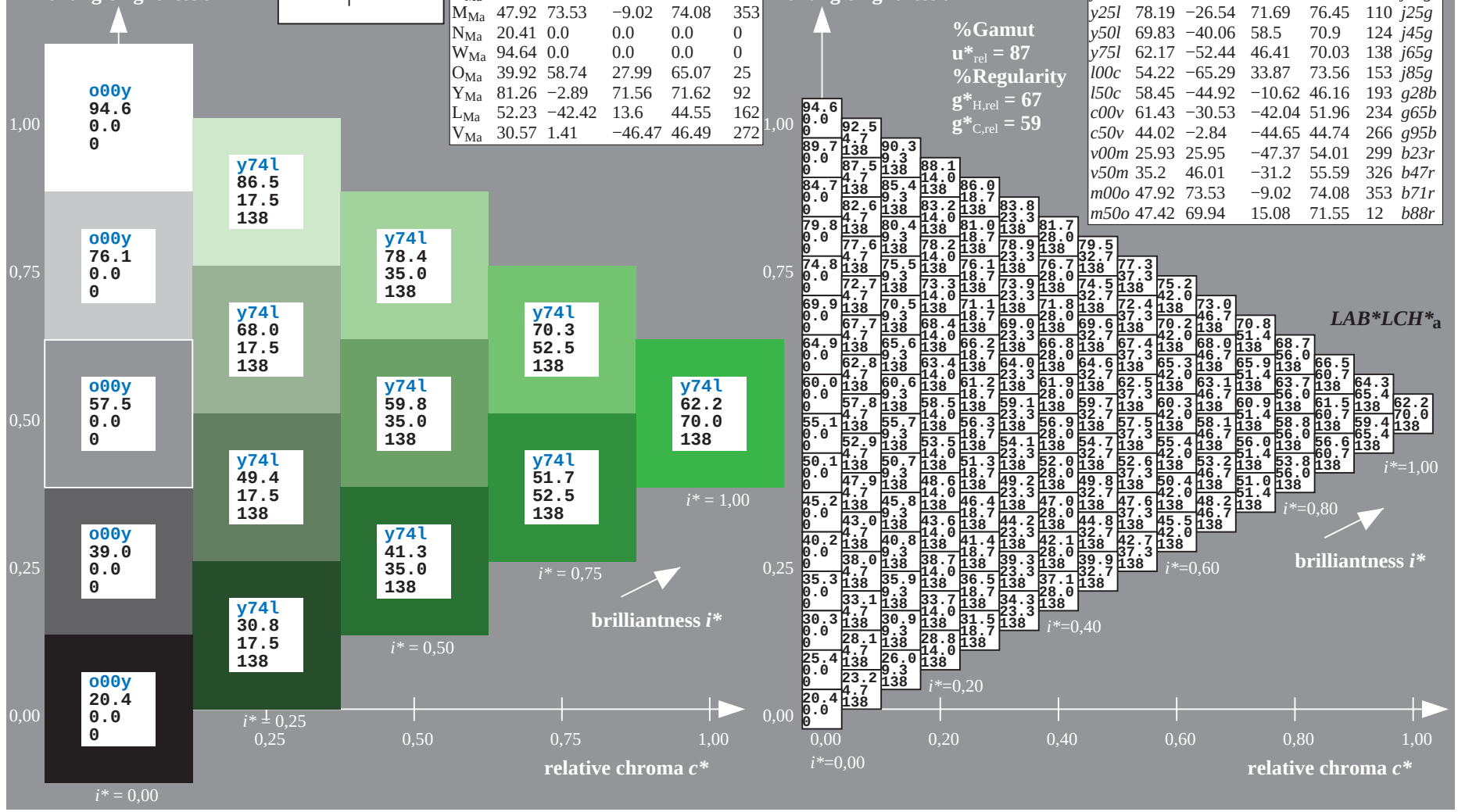
triangle lightness t^*

$u^*_d = y75l$

$LAB^*LCH^*_a$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.424$

data for any colour:

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

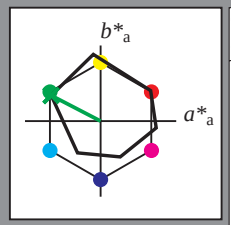
Hue texts:

$u^*_d = l00c$ $u^*_e = j85g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 54 −65 34**

***LAB*LCH**$_{Ma}$: 54 74 152**

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

***lab*rgb**$_{Ma}$: 0.14 1.0 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

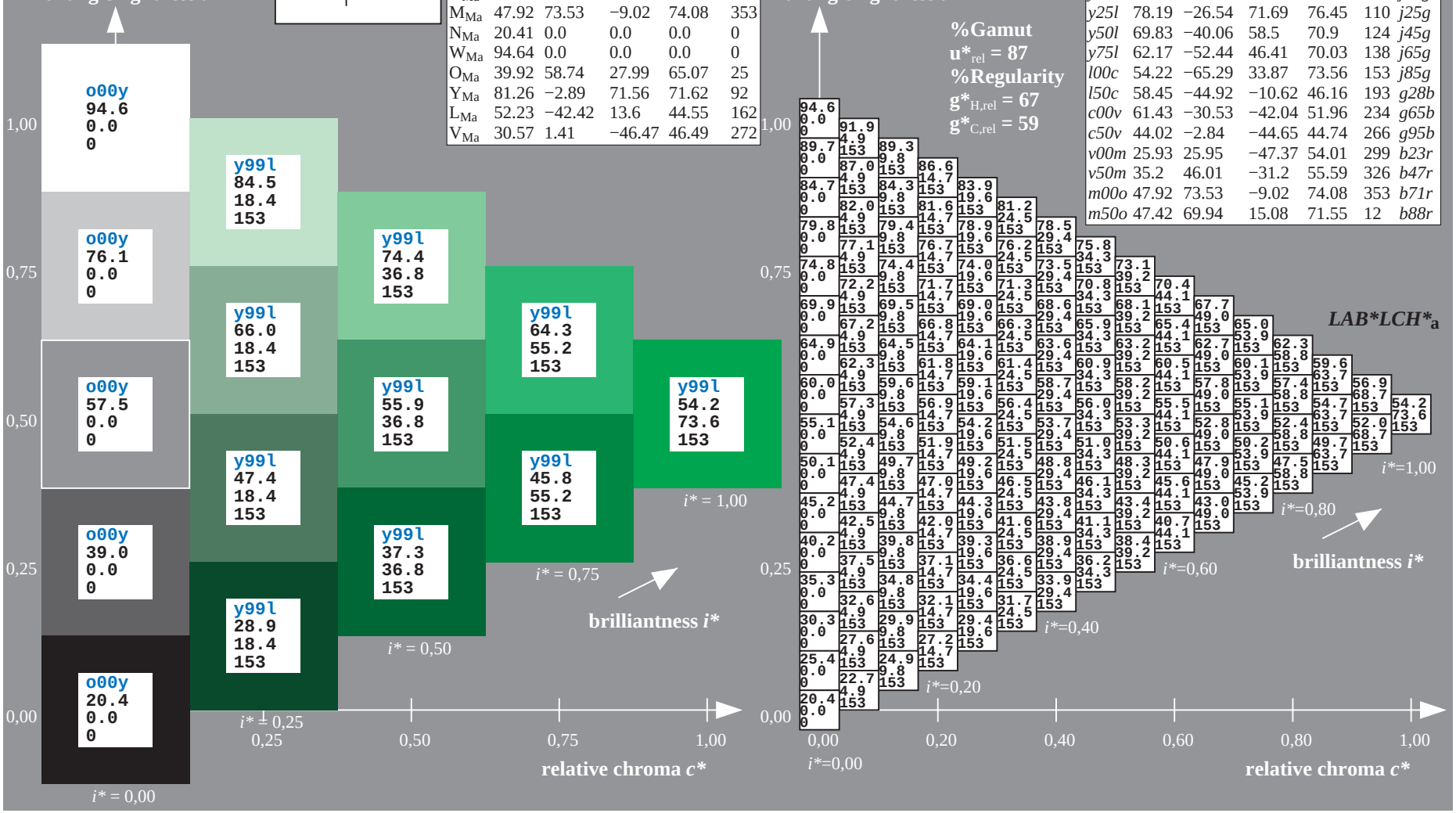
$g^*_{C,rel} = 59$

$u^*_d = l00c$

***LAB*LCH**$_a$**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.537$

data for any colour:

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

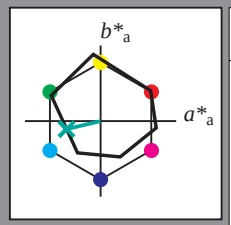
Hue texts:

$u^*_d = l50c$ $u^*_e = g28b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 58 −45 −11**

***LAB*LCH**$_{Ma}$: 58 46 193**

***lab*olv**$_{Ma}$: 0.0 1.0 0.5**

***lab*rgb**$_{Ma}$: 0.0 1.0 0.57**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

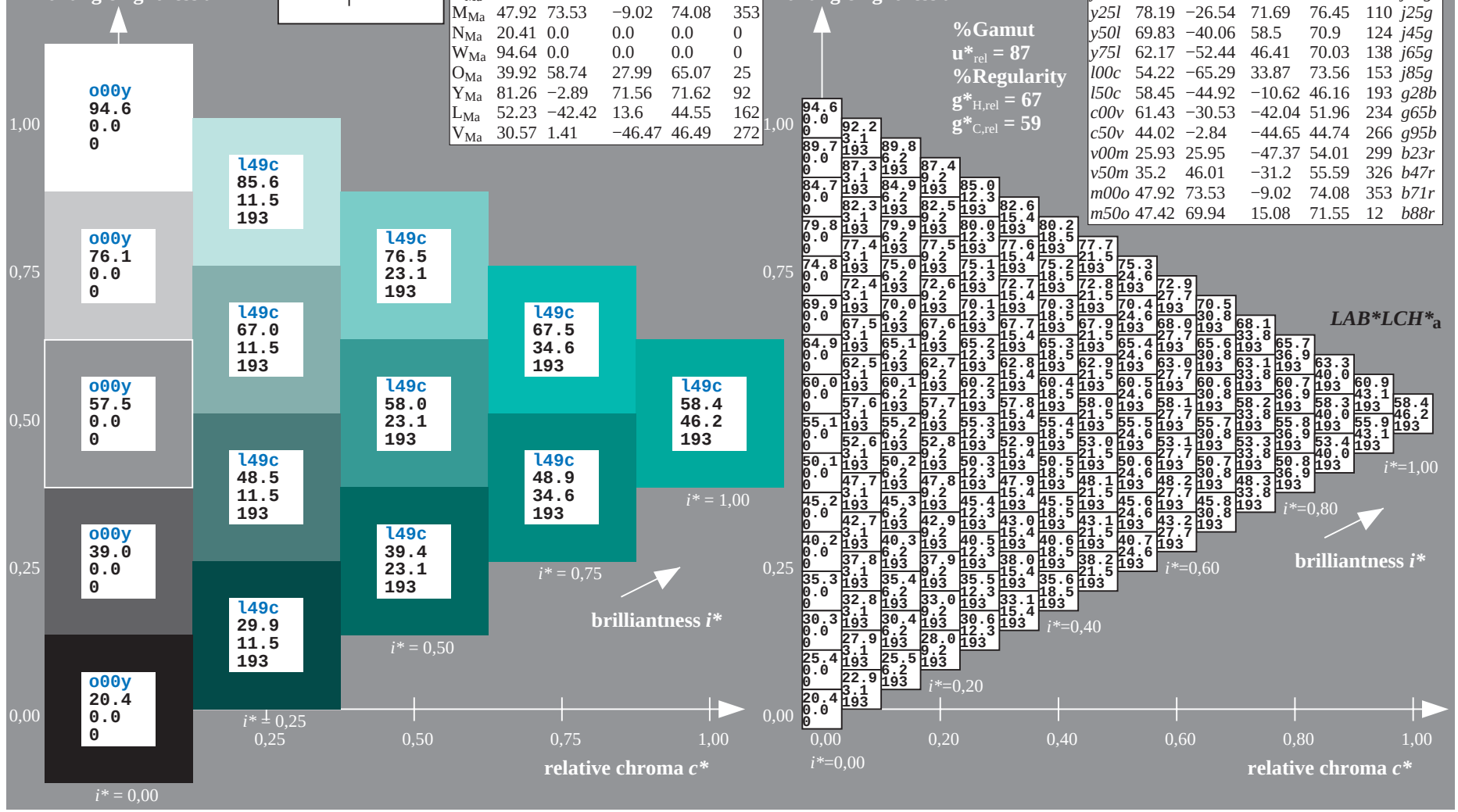
$g^*_{C,rel} = 59$

$u^*_d = l50c$

***LAB*LCH**$_a$**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.65$

data for any colour:

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

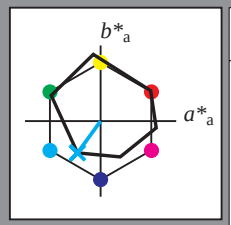
Hue texts:

u^*_d = *c00v* u^*_e = *g65b*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 61 −31 −42

*LAB*LCH**$_{Ma}$: 61 52 234

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

*lab*rgb**$_{Ma}$: 0.0 0.69 1.0

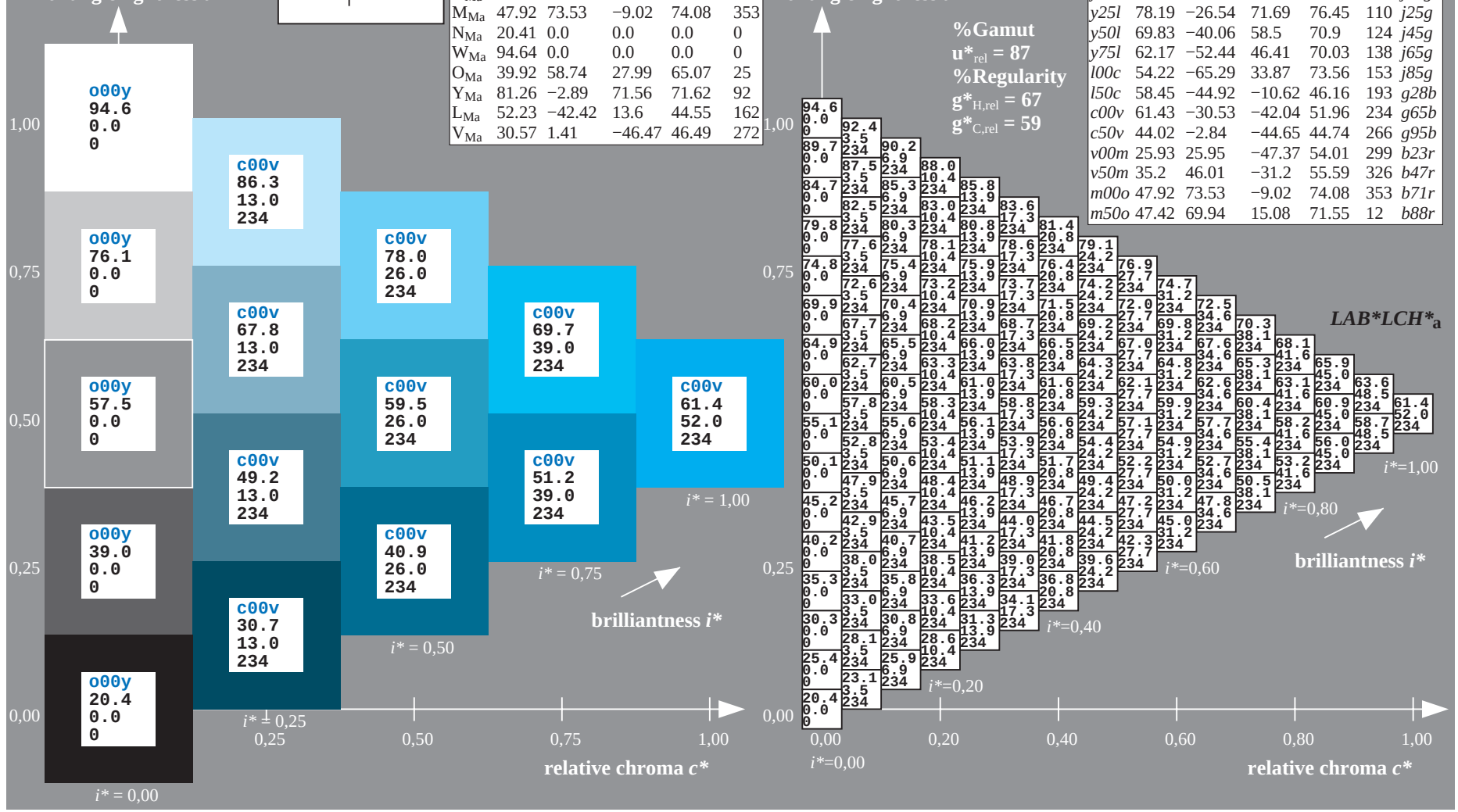
triangle lightness *t**

u^*_d = *c00v*

*LAB*LCH**$_a$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.74$

data for any colour:

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

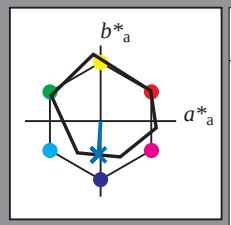
Hue texts:

$u^*_d = c50v$ $u^*_e = g95b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

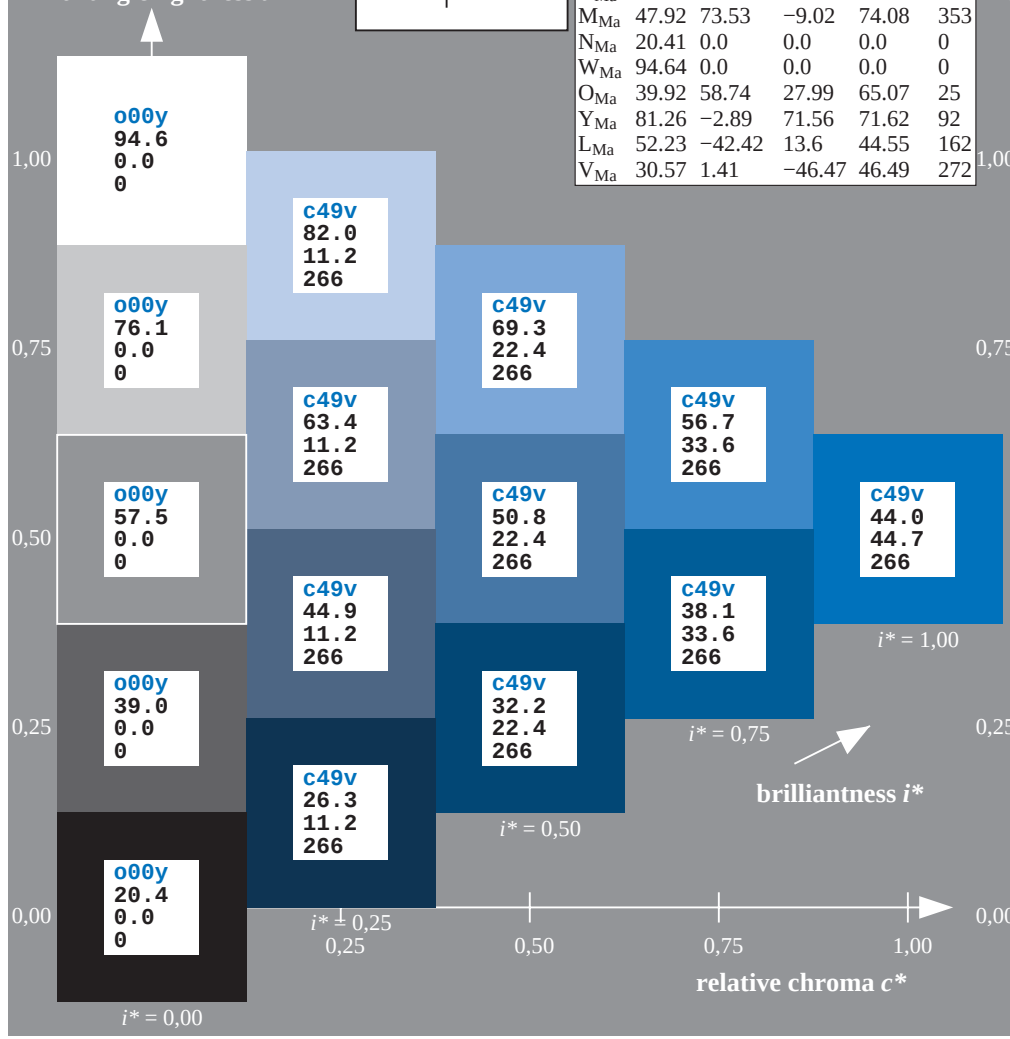
$LAB^*LAB^*_{Ma}$: 44 −3 −45

$LAB^*LCH^*_{Ma}$: 44 45 266

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

$lab^*rgb^*_{Ma}$: 0.0 0.1 1.0

triangle lightness t^*



$u^*_d = c50v$

$LAB^*LCH^*_a$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

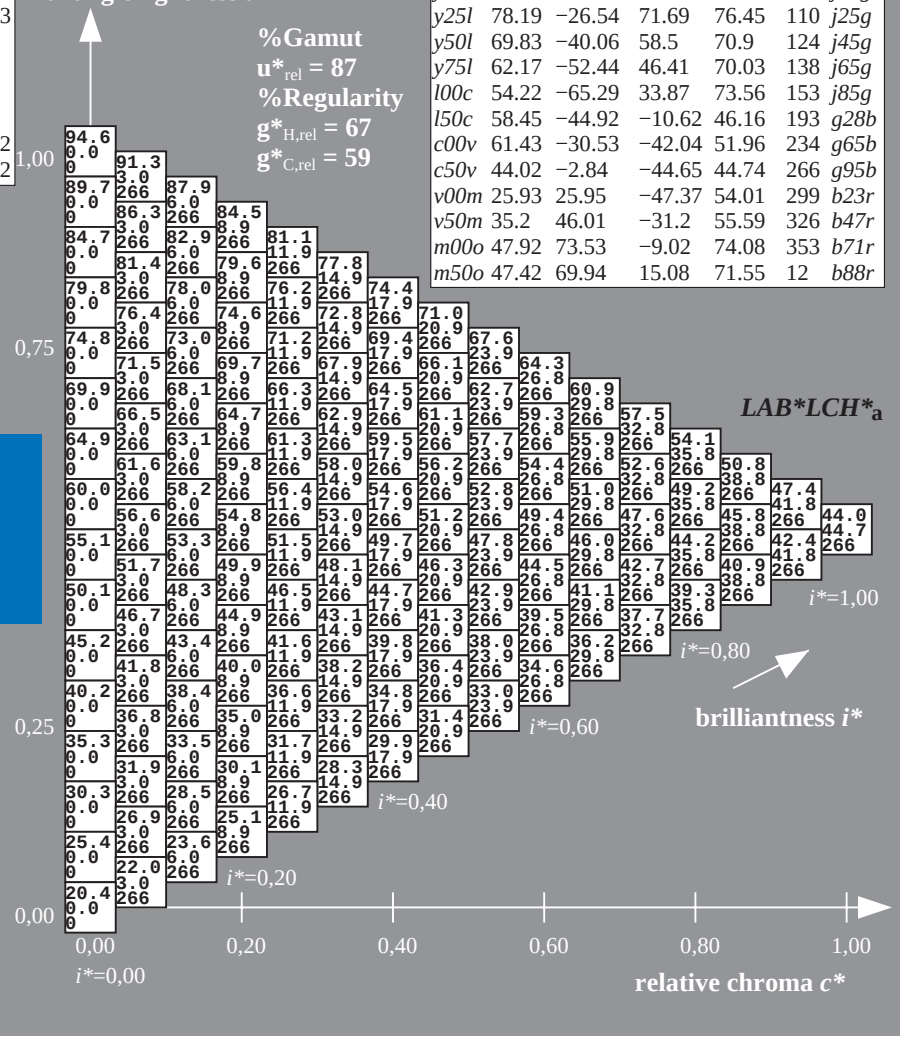
%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

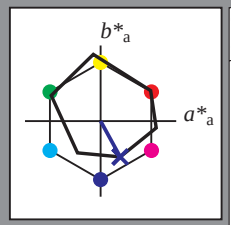
$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.83$

$u^*_d = v00m$
$LAB^*LCH^*_a$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = v00m$ $u^*_e = b23r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



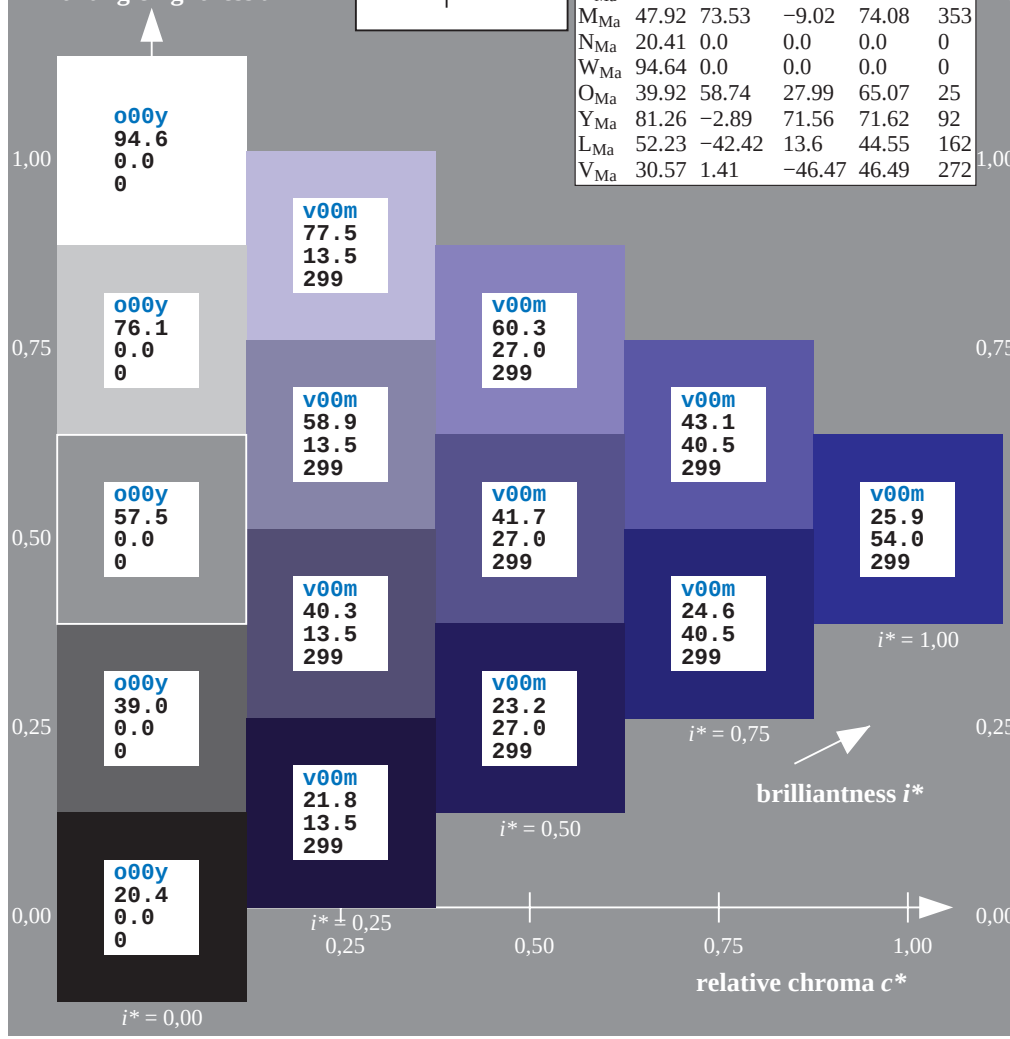
ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

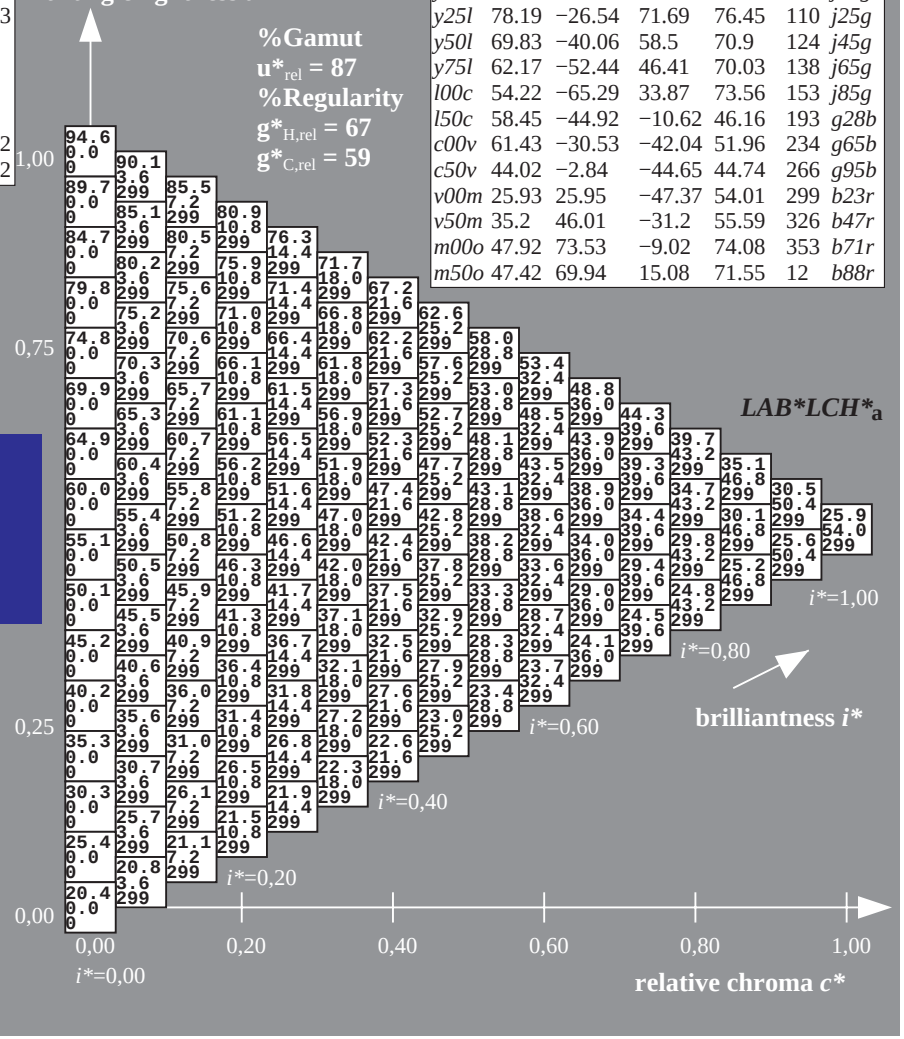
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 26 26 −47**
***LAB*LCH**$_{Ma}$: 26 54 298**
***lab*olv**$_{Ma}$: 0.0 0.0 1.0**
***lab*rgb**$_{Ma}$: 0.47 0.0 1.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



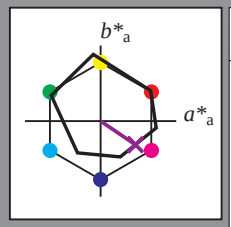
%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 67$
$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.905$

$u^*_d = v50m$
$LAB^*LCH^*_a$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = v50m$ $u^*_e = b47r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



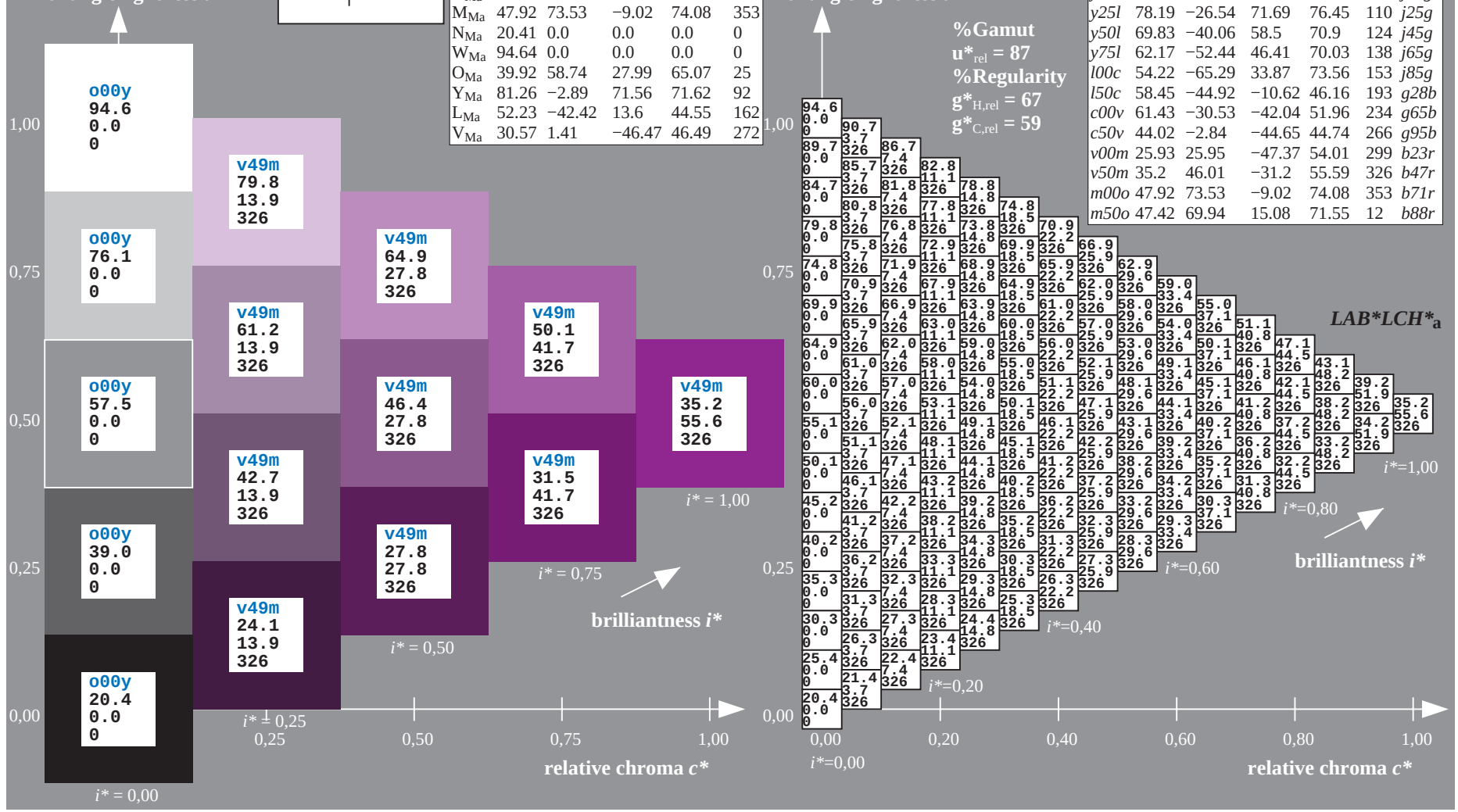
ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 35 46 −31
*LAB*LCH**$_{Ma}$: 35 56 325
*lab*olv**$_{Ma}$: 0.5 0.0 1.0
*lab*rgb**$_{Ma}$: 0.95 0.0 1.0
triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.981$

data for any colour:

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

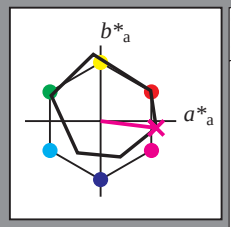
Hue texts:

u^*_d = *m00o* u^*_e = *b71r*

contrast reduction factor:

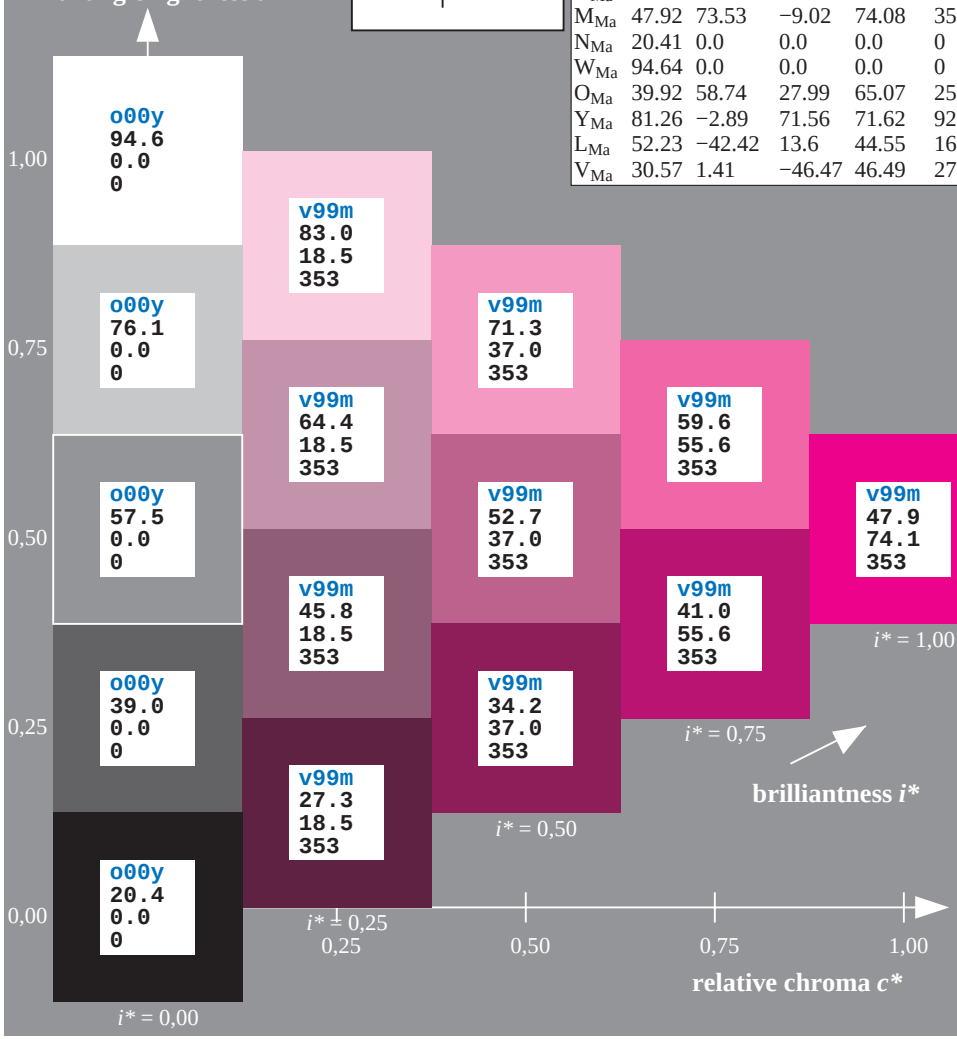
$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 48 74 −9

*LAB*LCH**$_{Ma}$: 48 74 353

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

*lab*rgb**$_{Ma}$: 1.0 0.0 0.57

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

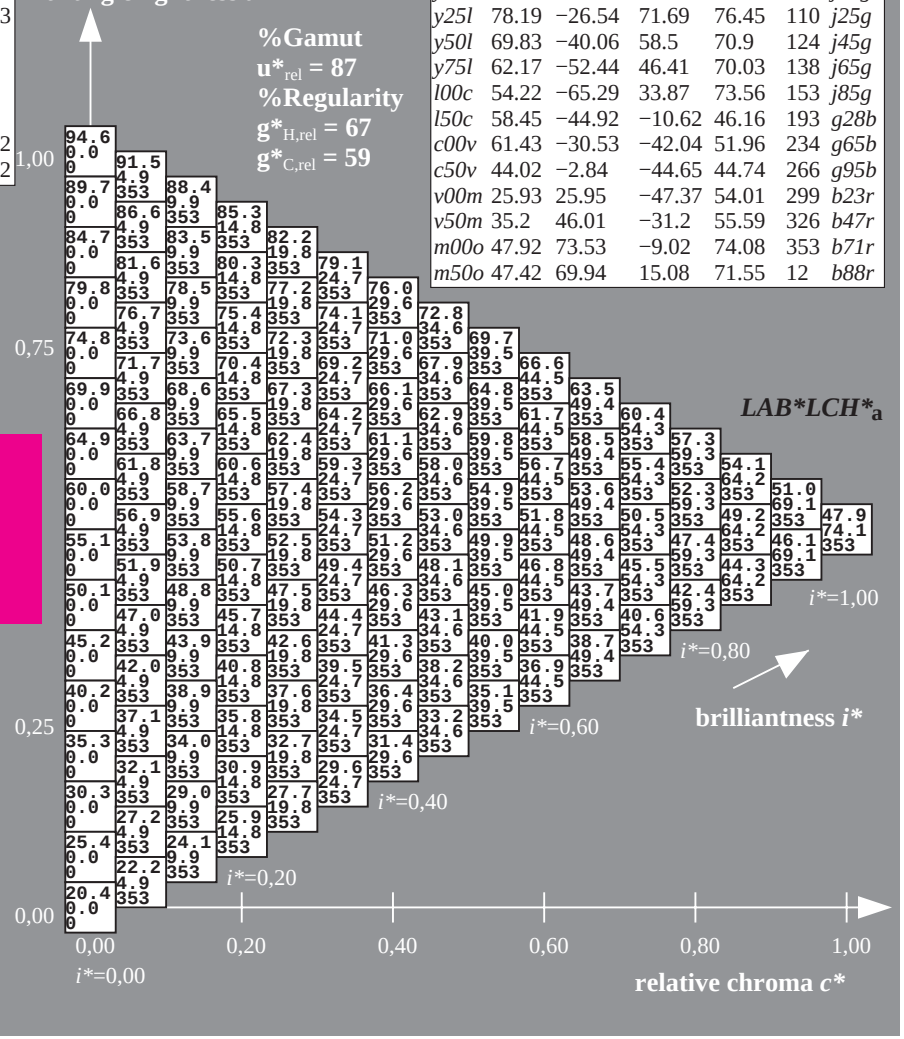
$g^*_{C,rel} = 59$

u^*_d = *m00o*

*LAB*LCH**$_a$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.034$

data for any colour:

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

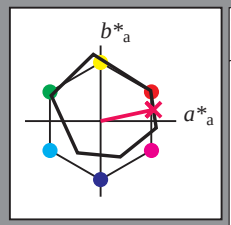
Hue texts:

u^*_d = *m50o* u^*_e = *b88r*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 47 70 15

*LAB*LCH**$_{Ma}$: 47 72 12

*lab*olv**$_{Ma}$: 1.0 0.0 0.5

*lab*rgb**$_{Ma}$: 1.0 0.0 0.23

triangle lightness *t**

%Gamut

u^*_{rel} = 87

%Regularity

$g^*_{H,rel}$ = 67

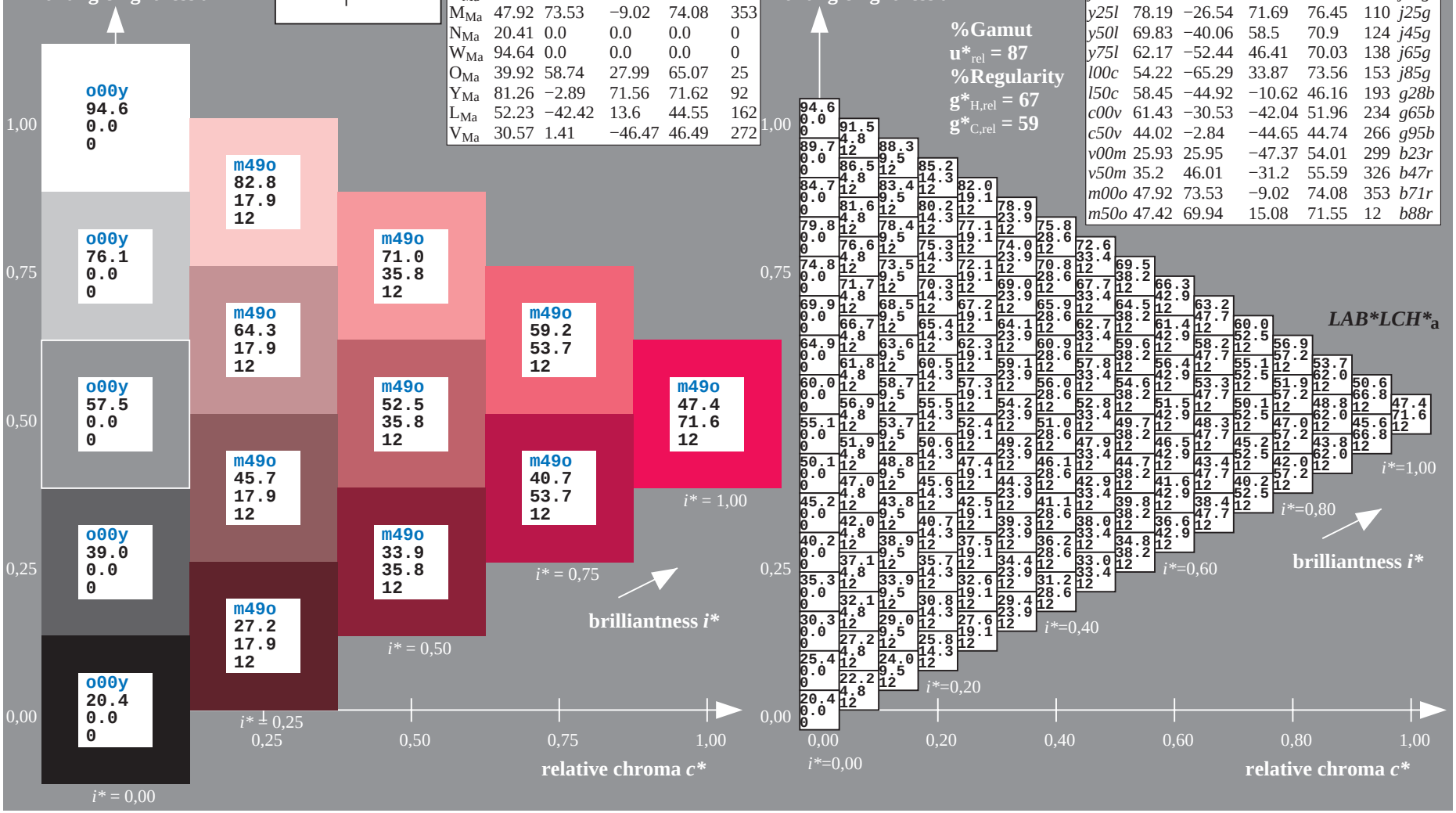
$g^*_{C,rel}$ = 59

u^*_d = *m50o*

*LAB*LCH**$_a$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

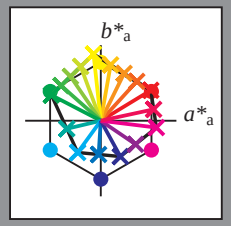


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LCH*a
01	20.4	24.6	28.9	33.1	37.3	41.5	45.8	50.0	54.2	23.7	28.9	32.8	37.0	41.3	45.5	49.8	54.0	58.3	27.0	31.9	37.5	41.0	45.1	49.4	53.6	57.9	62.2	94.6	88.7	82.7	76.7	70.8	64.8	58.8	52.9	46.9	20.4	20.4	20.4	20.4
	0.0	9.2	18.4	27.6	36.8	46.0	55.2	64.4	73.6	9.7	11.1	17.7	26.2	35.0	44.0	53.0	62.1	71.2	19.4	17.5	22.2	27.7	35.4	43.8	52.4	61.2	70.0	0.0	9.7	19.4	29.1	38.7	48.4	58.1	67.8	77.5	0.0	0.0	0.0	0.0
	0	153	153	153	153	153	153	153	153	31	96	124	134	138	141	143	145	146	31	64	96	115	124	130	134	136	138	0	31	31	31	31	31	31	31	31	0	0	0	0
02	21.1	25.5	29.9	34.3	38.6	42.9	47.2	51.5	55.7	23.8	29.7	33.9	38.1	42.4	46.6	50.8	55.0	59.3	27.2	33.0	38.2	42.0	46.3	50.6	54.8	59.1	63.3	90.5	85.4	79.4	73.4	67.5	61.5	55.5	49.5	43.6	29.7	29.7	29.7	29.7
	6.8	6.5	11.5	18.7	26.6	34.9	43.3	52.0	60.8	9.3	0.0	9.2	18.4	27.6	36.8	46.0	55.2	64.4	17.9	9.7	11.1	17.7	26.2	35.0	44.0	53.0	62.1	6.5	0.0	9.7	19.4	29.1	38.7	48.4	58.1	67.8	0.0	0.0	0.0	0.0
	299	234	193	180	173	169	166	164	163	353	0	153	153	153	153	153	153	153	12	31	96	124	134	138	141	143	145	234	0	31	31	31	31	31	31	31	0	0	0	0
03	21.8	26.3	30.7	35.0	39.4	43.8	48.2	52.5	56.8	24.1	30.4	34.8	39.2	43.6	47.9	52.2	56.5	60.7	27.3	33.1	39.0	43.2	47.4	51.6	55.9	60.1	64.3	86.3	81.2	76.1	70.1	64.1	58.2	52.2	46.2	40.3	39.0	39.0	39.0	39.0
	13.5	11.2	13.0	17.0	23.1	30.0	37.4	45.2	53.2	13.9	6.8	6.5	11.5	18.7	26.6	34.9	43.3	52.0	18.5	9.3	0.0	9.2	18.4	27.6	36.8	46.0	55.2	13.0	6.5	0.0	9.7	19.4	29.1	38.7	48.4	58.1	0.0	0.0	0.0	0.0
	299	266	234	207	193	185	180	176	173	326	299	234	193	180	173	169	166	164	353	353	0	153	153	153	153	153	153	234	234	0	31	31	31	31	31	31	0	0	0	0
04	22.5	27.3	31.3	35.8	40.1	44.5	48.9	53.3	57.7	24.8	31.1	35.6	39.9	44.3	48.7	53.1	57.4	61.8	27.3	33.4	39.7	44.1	48.5	52.8	57.2	61.5	65.8	82.2	77.1	71.9	66.8	60.8	54.9	48.9	42.9	37.0	48.2	48.2	48.2	48.2
	20.3	17.2	17.0	19.5	22.9	28.3	34.6	41.4	48.6	20.1	13.5	11.2	13.0	17.0	23.1	30.0	37.4	45.2	22.2	13.9	6.8	6.5	11.5	18.7	26.6	34.9	43.3	19.5	13.0	6.5	0.0	9.7	19.4	29.1	38.7	48.4	0.0	0.0	0.0	0.0
	299	277	256	234	214	201	193	187	183	317	299	266	234	207	193	185	180	176	335	326	299	234	193	180	173	169	166	234	234	234	0	31	31	31	31	31	0	0	0	0
05	23.2	28.1	32.2	36.2	40.9	45.2	49.6	54.0	58.4	25.5	31.8	36.5	40.5	45.1	49.4	53.8	58.2	62.6	27.8	34.0	40.3	44.9	49.2	53.6	58.0	62.4	66.7	78.0	72.9	67.8	62.7	57.5	51.6	45.6	39.6	33.7	57.5	57.5	57.5	57.5
	27.0	23.5	22.4	23.1	26.0	29.0	34.0	39.8	46.2	26.6	20.3	17.2	17.0	19.5	22.9	28.3	34.6	41.4	27.8	20.1	13.5	11.2	13.0	17.0	23.1	30.0	37.4	26.0	19.5	13.0	6.5	0.0	9.7	19.4	29.1	38.7	0.0	0.0	0.0	0.0
	299	283	266	250	234	218	207	199	193	312	299	277	256	234	214	201	193	187	326	317	299	266	234	207	193	185	180	234	234	234	234	0	31	31	31	31	0	0	0	0
06	23.9	28.9	33.2	37.1	41.3	46.0	50.4	54.7	59.1	26.1	32.4	37.4	41.5	45.5	50.2	54.5	58.9	63.3	28.4	34.7	41.0	45.8	49.8	54.3	58.7	63.1	67.5	73.9	68.8	63.6	58.5	53.4	48.2	42.3	36.3	30.3	66.8	66.8	66.8	66.8
	33.8	30.0	28.2	28.0	29.3	32.5	35.3	39.8	45.3	33.2	27.0	23.5	22.4	23.1	26.0	29.0	34.0	39.8	33.9	26.6	20.3	17.2	17.0	19.5	22.9	28.3	34.6	32.5	26.0	19.5	13.0	6.5	0.0	9.7	19.4	29.1	0.0	0.0	0.0	0.0
	299	286	273	260	247	234	220	211	203	310	299	283	266	250	234	218	207	199	320	312	299	277	256	234	214	201	193	234	234	234	234	0	31	31	31	31	0	0	0	0
07	24.6	29.7	34.1	38.1	42.1	46.3	51.2	55.5	59.8	26.8	33.1	38.2	42.5	46.4	50.6	55.3	59.6	64.0	29.1	35.4	41.7	46.7	50.8	54.8	59.5	63.8	68.2	69.7	64.6	59.5	54.3	49.2	44.1	39.0	33.0	27.0	76.1	76.1	76.1	76.1
	40.5	36.5	34.4	33.6	34.0	35.7	39.0	41.6	45.8	39.9	33.8	30.0	28.2	28.0	29.3	32.5	35.3	39.8	40.3	33.2	27.0	23.5	22.4	23.1	26.0	29.0	34.0	39.0	32.5	26.0	19.5	13.0	6.5	0.0	9.7	19.4	0.0	0.0	0.0	0.0
	299	288	277	266	256	245	234	222	214	308	299	286	273	260	247	234	220	211	317	310	299	283	266	250	234	218	207	234	234	234	234	234	234	0	31	31	0	0	0	0
08	25.2	30.5	35.0	39.1	43.0	47.1	51.4	56.3	60.6	27.5	33.8	39.0	43.4	47.4	51.4	55.6	60.5	64.7	29.8	36.1	42.4	47.5	51.7	55.7	59.8	64.6	68.9	65.6	60.5	55.3	50.2	45.1	39.9	34.8	29.7	23.7	85.4	85.4	85.4	85.4
	47.3	43.1	40.6	39.4	39.2	40.0	42.0	45.5	47.9	46.6	40.5	36.5	34.4	33.6	34.0	35.7	39.0	41.6	46.7	39.9	33.8	30.0	28.2	28.0	29.3	32.5	35.3	45.5	39.0	32.5	26.0	19.5	13.0	6.5	0.0	9.7	0.0	0.0	0.0	0.0
	299	289	280	271	262	253	243	234	224	306	299	288	277	266	256	245	234	222	314	308	299	286	273	260	247	234	220	234	234	234	234	234	234	234	0	31	0	0	0	0
09	25.9	31.2	35.8	40.0	44.0	48.0	52.1	56.5	61.4	28.2	34.5	39.8	44.3	48.4	52.3	56.4	60.7	65.6	30.5	36.8	43.1	48.3	52.7	56.7	60.7	64.9	69.7	61.4	56.3	51.2	46.0	40.9	35.8	30.7	25.5	20.4	94.6	94.6	94.6	94.6
	54.0	49.8	47.0	45.4	44.7	45.0	46.2	48.4	52.0	53.3	47.3	43.1	40.6	39.4	39.2	40.0	42.0	45.5	53.3	46.6	40.5	36.5	34.4	33.6	34.0	35.7	39.0	52.0	45.5	39.0	32.5	26.0	19.5	13.0	6.5	0.0	0.0	0.0	0.0	0.0
	299	291	283	274	266	258	250	242	234	306	299	289	280	271	262	253	243	234	312	306	299	288	277	266	256	245	234	234	234	234	234	234	234	234	0	0	0	0	0	0
10	30.3	35.3	40.0	46.0	49.3	53.3	57.5	61.7	66.0	33.7	38.8	43.4	48.3	54.5	57.7	61.5	65.6	69.8	37.0	42.2	46.8	51.5	56.6	63.1	66.1	69.8	73.9	94.6	93.9	93.1	92.4	91.6	90.9	90.2	89.4	88.7	20.4	20.4	20.4	20.4
	29.1	26.1	27.2	33.3	38.2	45.3	53.2	61.4	69.9	38.7	35.3	34.9	37.5	44.4	48.9	55.5	63.0	70.9	48.4	44.6	43.4	44.5	48.1	55.5	59.7	65.9	73.0	0.0	11.1	22.2	33.3	44.4	55.5	66.5	77.6	88.7	0.0	0.0	0.0	0.0
	31	53	75	96	110	119	124	128	131	31	48	64	80	96	107	115	120	124	31	44	57	70	83	96	106	112	117	0	96	96	96	96	96	96	96	96	0	0	0	0
11	30.5	36.3	41.2	46.8	50.3	54.4	58.6	62.9	67.2	33.8	39.6	44.6	49.3	55.3	58.6	62.6	66.8	71.0	37.1	42.9	48.1	52.7	57.6	63.8	67.0	70.8	74.9	86.1	85.4	84.6	83.9	83.1	82.4	81.6	80.9	80.1	25.4	25.4	25.4	25.4
	27.2	19.4	17.5	22.2	27.7	35.4	43.8	52.4	61.2	36.7	29.1	26.1	27.2	33.3	38.2	45.3	53.2	61.4	46.2	38.7	35.3	34.9	37.5	44.4	48.9	55.5	63.0	6.8	0.0	11.1	22.2	33.3	44.4	55.5	66.5	77.6	0.0	0.0	0.0	0.0
	19	31	64	96	115	124	130	134	136	22	31	53	75	96	110	119	124	128	24	31	48	64	80	96	107	115	120	299	0	96	96	96	96	96	96	96	0	0	0	0
12	30.6	36.4	42.3	47.5	51.3	55.6	59.8	64.1	68.4	33.9	39.8	45.6	50.5	56.0	59.5	63.7	67.9	72.2	37.2	43.1	48.9	53.9	58.6	64.6	67.9	71.9	76.0	77.5	76.8	76.1	75.3	74.6	73.8	73.1	72.3	71.6	30.3	30.3	30.3	30.3
	26.8	17.9	9.7	11.1	17.7	26.2	35.0	44.0	53.0	35.8	27.2	19.4	17.5	22.2	27.7	35.4	43.8	52.4	45.0	36.7	29.1	26.1	27.2	33.3	38.2	45.3	53.2	13.5	6.8	0.0	11.1	22.2	33.3	44.4	55.5	66.5	0.0	0.0	0.0	0.0
	6	12	31	96	124	134	138	141	143	12	19	31	64	96	115	124	130	134	16	22	31	53	75	96	110	119	124	299	299	0	96	96	96	96	96	96	0	0	0	0
13	30.7	36.6	42.4	48.2	52.5	56.7	60.9	65.2	69.4	34.0	39.9	45.7	51.6	56.8	60.6	64.9	69.1	73.4	37.4	43.2	49.0	54.9	59.7	65.3	68.8	73.0	77.2	68.9	68.2	67.5	66.8	66.1	65.3	64.6	63.8	63.1	35.3	35.3	35.3	35.3
	27.8	18.5	9.3	0.0	9.2	18.4	27.6	36.8	46.0	35.9	26.8	17.9	9.7	11.1	17.7	26.2	35.0	44.0	44.6	35.8	27.2	19.4	17.5	22.2	27.7	35.4	43.8	20.3	13.5	6.8	0.0	11.1	22.2	33.3	44.4	55.5	0.0	0.0	0.0	0.0
	353	353	353	0	153	153	153	153	153	3	6	12	31	96	124	134	138	141	8	12	19	31	64	96	115	124	130	299	299	299	0	96	96	96	96	96	0	0	0	0
14	30.5	36.5	42.7	48.9	53.4	57.8	62.1	66.4	70.7	34.2	40.0	45.8	51.7	57.5	61.8	66.0	70.2	74.4	37.5	43.3	49.2	55.0	60.8	66.1	69.9	74.1	78.4	60.3	59.6	58.9	58.2	57.5	56.8	56.0	55.3	54.5	40.2	40.2	40.2	40.2
	30.9	22.2	13.9	6.8	6.5	11.5	18.7	26.6	34.9	37.0	27.8	18.5	9.3	0.0	9.2	18.4	27.6	36.8	45.0	35.9	26.8	17.9	9.7	11.1	17.7	26.2	35.0	27.0	20.3	13.5	6.8	0.0	11.1	22.2	33.3	44.4	0.0	0.0	0.0	0.0
	339	335	326	299	234	193	180	173	169	353	353	353	353	0	153	153	153	153	1	3	6	12	31	96	124	134	138	299	299	299	299	0	96	96	96	96	0	0	0	0
15	30.9	37.1	43.3	49.6	54.1	58.5	62.9	67.3	71.6	33.8	39.8	45.8	51.9	58.2	62.7	67.0	71.4	75.7	37.6	43.4	49.3	55.1	61.0	66.8	71.0	75.3	79.5	51.7	51.0	50.3	49.6	48.9	48.2	47.5	46.8	46.0	45.2	45.2	45.2	45.2
	35.9	27.8	20.1	13.5	11.2	13.0	17.0	23.1	30.0	39.7	30.9	22.2	13.9	6.8	6.5	11.5	18.7	26.6	46.3	37.0	27.8	18.5	9.3	0.0	9.2	18.4	27.6	33.8	27.0	20.3	13.5	6.8	0.0	11.1	22.2	33.3	0.0	0.0	0.0	0.0
	331	326	317	299	266	234	207	193	185	342	339	335	326	299	234	193	180	173	353	353	353	353	353	0	153	153	153	299	299	299	299	299	0	96	96	96	0	0	0	0
16	31.5	37.7	44.0	50.3	55.1	59.1	63.6	68.0	72.4	34.1	40.2	46.4	52.6	58.9	63.4	67.8	72.1	76.5	37.2	43.1	49.1	55.1	61.2	67.5	71.9	76.3	80.7	43.1	42.4	41.7	41.0	40.3	39.7	39.0	38.2	37.5	50.1	50.1	50.1	50.1
	41.7	33.9	26.6	20.3	17.2	17.0	19.5	22.9	28.3	44.4	35.9	27.8	20.1	13.5	11.2	13.0	17.0	23.1	48.7	39.7	30.9	22.2	13.9	6.8	6.5	11.5	18.7	40.5	33.8	27.0	20.3	13.5	6.8	0.0	11.1	22.2	0.0	0.0	0.0	0.0
	326	320	312	299	277	256	234	214	201	335	331	326	317	299	266	234	207	193	344	342	339	335	326	299	234	193	180	299	299	299	299	299	299	0	96	96	0	0	0	0
17	32.1	38.4	44.7	51.0	56.0	60.1	64.1	68.8	73.1	34.6	40.8	47.0	53.3	59.6	64.4	68.4	72.9	77.2	37.4	43.4	49.5	55.6	61.9	68.2	72.7	77.1	81.4	34.5	33.8	33.1	32.4	31.8	31.1	30.4	29.7	28.9	55.1	55.1	55.1	55.1
	47.8	40.3	33.2	27.0	23.5	22.4	23.1	26.0	29.0	49.8	41.7	33.9	26.6	20.3	17.2	17.0	19.5	22.9	53.0	44.4	35.9	27.8	20.1	13.5	11.2	13.0	17.0	47.3	40.5	33.8	27.0	20.3	13.5	6.8	0.0	11.1	0.0	0.0	0.0	0.0
	322	317	310	299	283	266	250	234	218	330	326	320	312	299	277	256	234	214	337	335	331	326	317	299	266	234	207	299	299	299	299	299	299	299	0	96	0	0	0	0
18	32.8	39.1	45.4	51.7	56.8	61.0	65.0	69.1	73.9	35.2	41.4	47.7	54.0	60.3	65.2	69.3	73.4	78.0	37.8	43.9	50.1	56.3	62.6	68.9	73.6	77.6	82.2	25.9	25.2	24.6	23.9	23.2	22.5	21.8	21.1	20.4	60.0	60.0	60.0	60.0
	54.0	46.7	39.9	33.8	30.0	28.2	28.0	29.3	32.5	55.6	47.8	40.3	33.2	27.0	23.5	22.4	23.1	26.0	58.1	49.8	41.7	33.9	26.6	20.3	17.2	17.0	19.5	54.0	47.3	40.5	33.8	27.0	20.3	13.5	6.8	0.0	0.0	0.0	0.0	0.0
	319	314	308	299	286	273	260	247	234	326	322	317	310	299	283	266	250	234	333	330	326	320	312	299	277	256	234	299	299	299	299	299	299	299	299	0	0	0	0	0
19	40.3	45.5	50.3	54.9	59.7	65.0	71.6	74.6	78.2	43.6	48.9	53.7	58.3	63.0	67.9	73.5	80.1	83.0	46.9	52.3	57.1	61.8	66.4	71.1	76.2	81.9	88.7	94.6	89.6	84.5	79.5	74.4	69.4	64.3	59.3	54.2	64.9	64.9	64.9	64.9
	58.1	54.0	52.2	52.4	54.4	58.8	66.5	70.6	76.4	67.8	63.6	61.3	60.8	61.8	64.6	69.6	77.6	81.5	77.5	73.1	70.5	69.5	69.8	71.6	75.0	80.5	88.7	0.0	9.2	18.4	27.6	36.8	46.0	55.2	64.4	73.6	0.0	0.0	0.0	0.0
	31	42	53	64	75	85	96	104	110	31	41	50	59	68	78	87	96	103	31	39	48	56	64	72	80	88	96	0	153	153	153	153	153	153	153	153	0	0	0	0
20	40.4	46.2	51.4	56.1	60.8	65.9	72.3	75.4	79.1	43.7	49.5	54.8	59.6	64.2	68.9	74.3	80.9	83.8	47.0	52.9	58.2	63.0	67.6	72.2	77.2	82.7	89.4	88.8	85.4	80.3	75.3	70.2	65.2	60.1	55.0	50.0	69.9	69.9	69.9	69.9
	55.8	48.4	44.6	43.4	44.5	48.1	55.5	59.7	65.9	65.5	58.1	54.0	52.2	52.4	54.4	58.8	66.5	70.6	75.1	67.8	63.6	61.3	60.8	61.8	64.6	69.6	77.6	9.3	0.0	9.2	18.4	27.6	36.8	46.0	55.2	64.4	0.0	0.0	0.0	0.0
	25	31	44	57	70	83	96	106	112	26	31	42	53	64	75	85	96	104	27	31	41	50	59	68	78	87	96	353	0	153	153	153	153	153	153	153	0	0	0	0
21	40.5	46.4	52.2	57.3	61.9	66.9	73.1	76.2	80.1	43.9	49.7	55.5	60.7	65.4	70.0	75.2	81.6	84.7	47.2	53.0	58.8	64.1	68.8	73.4	78.2	83.6	90.2	83.0	79.5	76.1	71.0	66.0	60.9	55.9	50.8	45.8	74.8	74.8	74.8	74.8
	54.4	46.2	38.7	35.3	34.9	37.5	44.4	48.9	55.5	63.9	55.8	48.4	44.6	43.4	44.5	48.1	55.5	59.7	73.4	65.5	58.1	54.0	52.2	52.4	54.4	58.8	66.5	18.5	9.3	0.0	9.2	18.4	27.6	36.8	46.0	55.2	0.0	0.0	0.0	0.0
	19	24	31	48	64	80	96	107	115	20	25	31	44	57	70	83	96	106	22	26	31	42	53	64	75	85	96	353	353	0	153	153	153	153	153	153	0	0	0	0
22	40.7	46.5	52.3	58.2	63.2	67.9	73.8	77.1	81.1	44.0	49.8	55.7	61.5	66.6	71.2	76.1	82.4	85.5	47.3	53.1	59.0	64.8	70.0	74.7	79.3	84.5	90.9	77.1	73.7	70.2	66.8	61.8	56.7	51.6	46.6	41.5	79.8	79.8	79.8	79.8
	53.7	45.0	36.7	29.1	26.1	27.2	33.3	38.2	45.3	62.9	54.4	46.2	38.7	35.3	34.9	37.5	44.4	48.9	72.2	63.9	55.8	48.4	44.6	43.4	44.5	48.1	55.5	27.8	18.5	9.3	0.0	9.2	18.4	27.6	36.8	46.0	0.0	0.0	0.0	0.0
	12	16	22	31	53	75	96	110	119	15	19	24	31	48	64	80	96	107	17	20	25	31	44	57	70	83	96	353	353	353	0	153	153	153	153	153	0	0	0	0
23	40.8	46.6	52.5	58.3	64.1	69.0	74.6	78.1	82.2	44.1	49.9	55.8	61.6	67.5	72.5	77.1	83.1	86.4	47.4	53.3	59.1	64.9	70.8	75.9	80.5	85.4	91.6	71.3	67.8	64.4	61.0	57.5	52.5	47.4	42.4	37.3	84.7	84.7	84.7	84.7
	53.6	44.6	35.8	27.2	19.4	17.5	22.2	27.7	35.4	62.5	53.7	45.0	36.7	29.1	26.1	27.2	33.3	38.2	71.6	62.9	54.4	46.2	38.7	35.3	34.9	37.5	44.4	37.0	27.8	18.5	9.3	0.0	9.2	18.4	27.6	36.8	0.0	0.0	0.0	0.0
	6	8	12	19	31	64	96	115	124	9	12	16	22	31	53	75	96	110	12	15	19	24	31	48	64	80	96	353	353	353	353	0	153	153	153	153	0	0	0	0
24	40.9	46.8	52.6	58.4	64.3	70.1	75.3	79.2	83.4	44.2	50.1	55.9	61.7	67.6	73.4	78.3	83.9	87.4	47.5	53.4	59.2	65.1	70.9	76.7	81.7	86.4	92.4	65.4	62.0	58.6	55.1	51.7	48.2	43.2	38.1	33.1	89.7	89.7	89.7	89.7
	54.2	45.0	35.9	26.8	17.9	9.7	11.1	17.7	26.2	62.7	53.6	44.6	35.8	27.2	19.4	17.5	22.2	27.7	71.4	62.5	53.7	45.0	36.7	29.1	26.1	27.2	33.3	46.3	37.0	27.8	18.5	9.3	0.0	9.2	18.4	27.6	0.0	0.0	0.0	0.0
	359	1	3	6	12	31	96	124	134	4	6	8	12	19	31	64	96	115	7	9	12	16	22	31	53	75	96	353	353	353	353	353	0	153	153	153	0	0	0	0
25	41.0	46.9	52.7	58.6	64.4	70.2	76.1	80.3	84.5	44.4	50.2	56.0	61.9	67.7	73.6	79.4	84.6	88.4	47.7	53.5	59.3	65.2	71.0	76.9	82.7	87.6	93.1	59.

Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
u^*_d and number *no.* = 00 .. 15
device hue text:
u^*_d = 16 hues *o00y, o25y, ..., m50o*
contrast reduction factor:
c_R = 1.0

ORS20_95a; adapted (a) CIELAB data

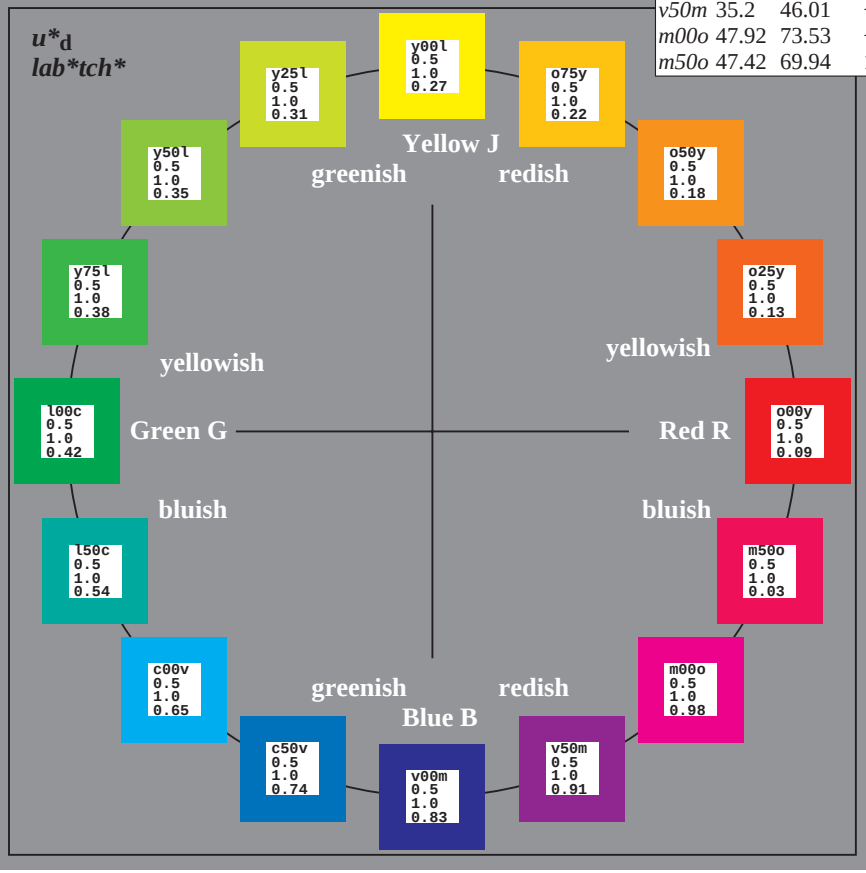
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

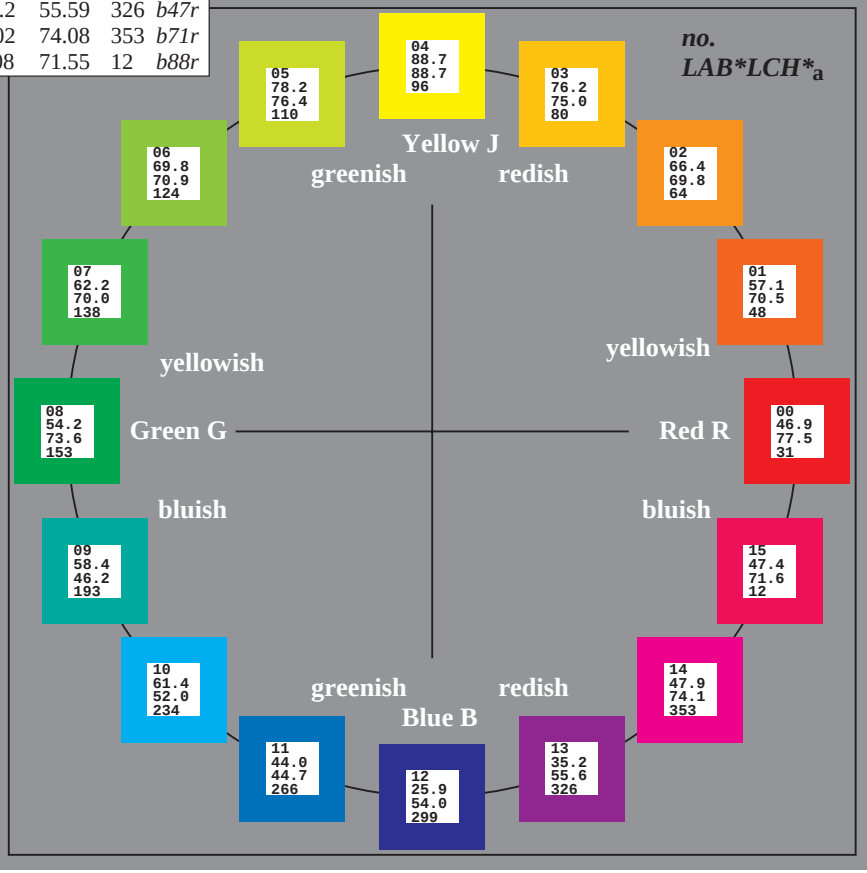


%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 67
$g^*_{C,rel}$ = 59

ORS20_95a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	−46.47	46.49	272





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$

data for any colour:

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

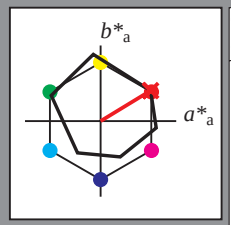
Hue texts:

u^*_d = *o00y* u^*_e = *r09j*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 47 66 40

*LAB*LCH**$_{Ma}$: 47 77 31

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

*lab*rgb**$_{Ma}$: 1.0 0.09 0.0

triangle lightness *t**

%Gamut

u^*_{rel} = 87

%Regularity

$g^*_{H,rel}$ = 67

$g^*_{C,rel}$ = 67

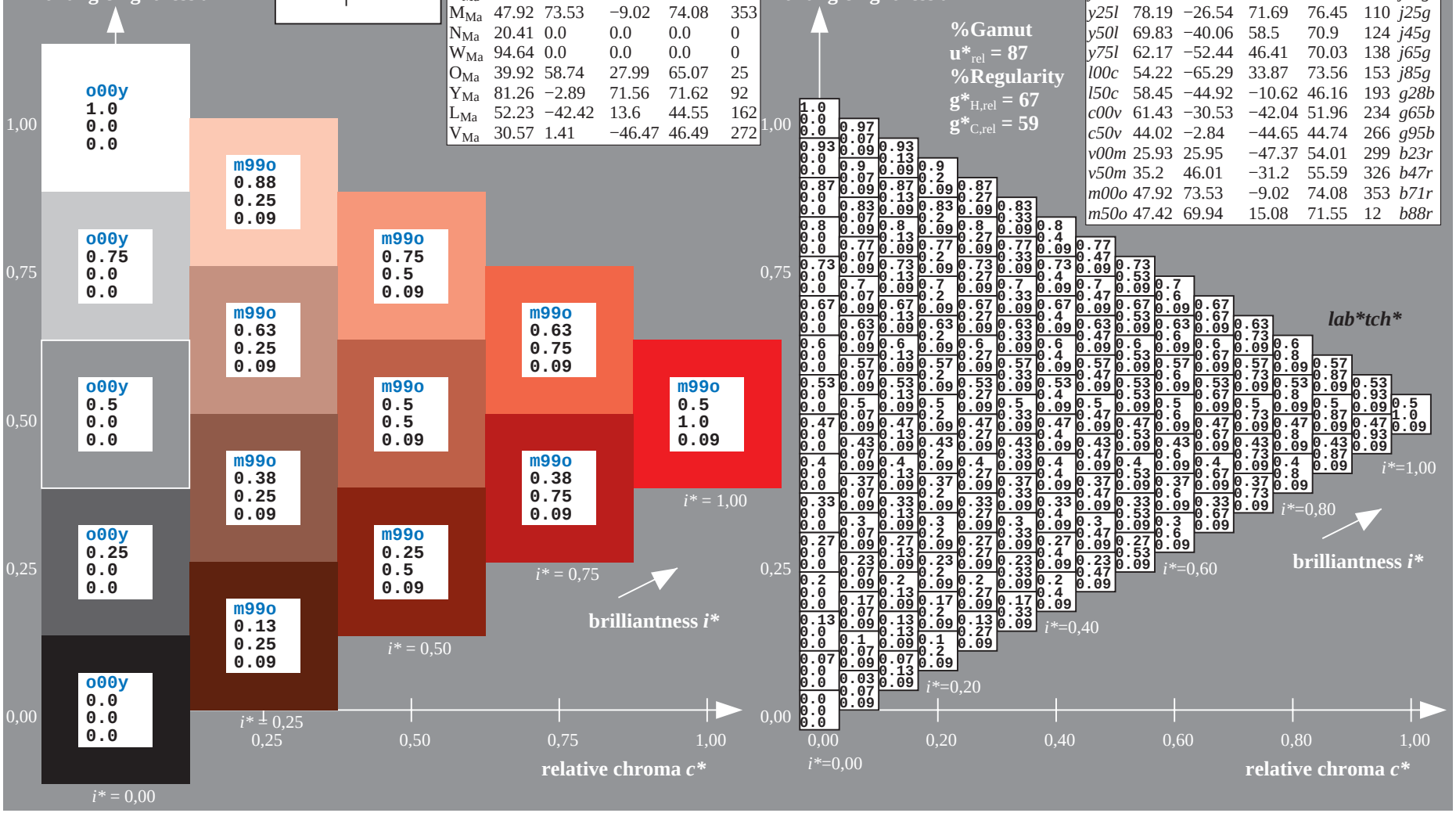
$g^*_{C,rel}$ = 59

u^*_d = *o00y*

*lab*tch**

ORS20_95a; adapted (a) CIELAB data

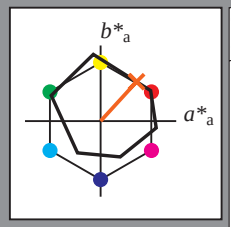
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$

**u^*_d = *o25y*
*lab*tch**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o25y* u^*_e = *r33j*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



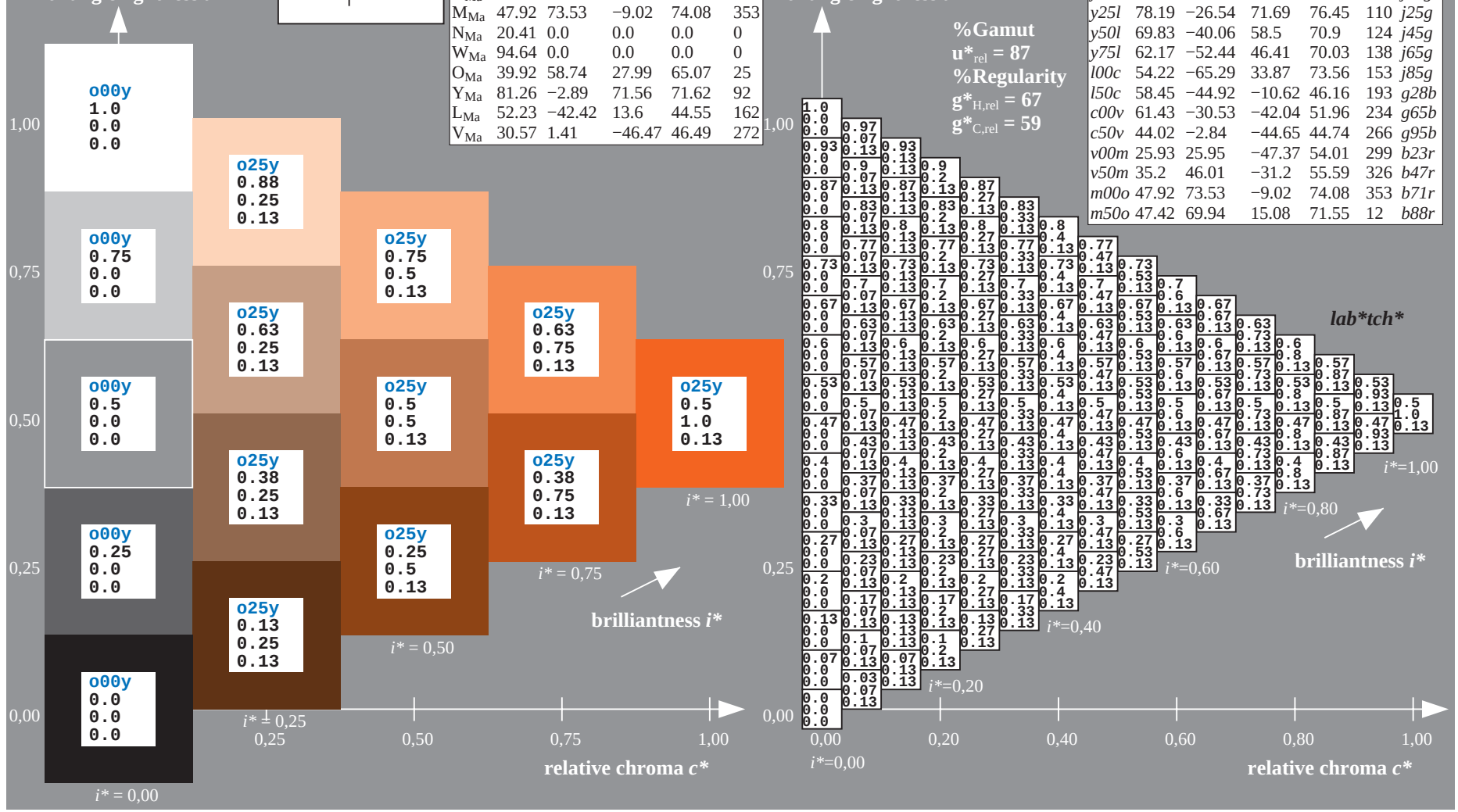
ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 57 48 52**
***LAB*LCH*$_{Ma}$*: 57 71 47**
***lab*olv*$_{Ma}$*: 1.0 0.25 0.0**
***lab*rgb*$_{Ma}$*: 1.0 0.33 0.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.177$

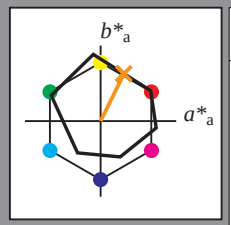
$u^*_d = o50y$
lab*tch*

data for any colour:
lab*tch* **and** ***lab*icu****

Hue texts:
$u^*_d = o50y$ $u^*_e = r57j$

contrast reduction factor:
$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB**$_{Ma}$: 66 31 63

LAB*LCH**$_{Ma}$: 66 70 63

lab*olv**$_{Ma}$: 1.0 0.5 0.0

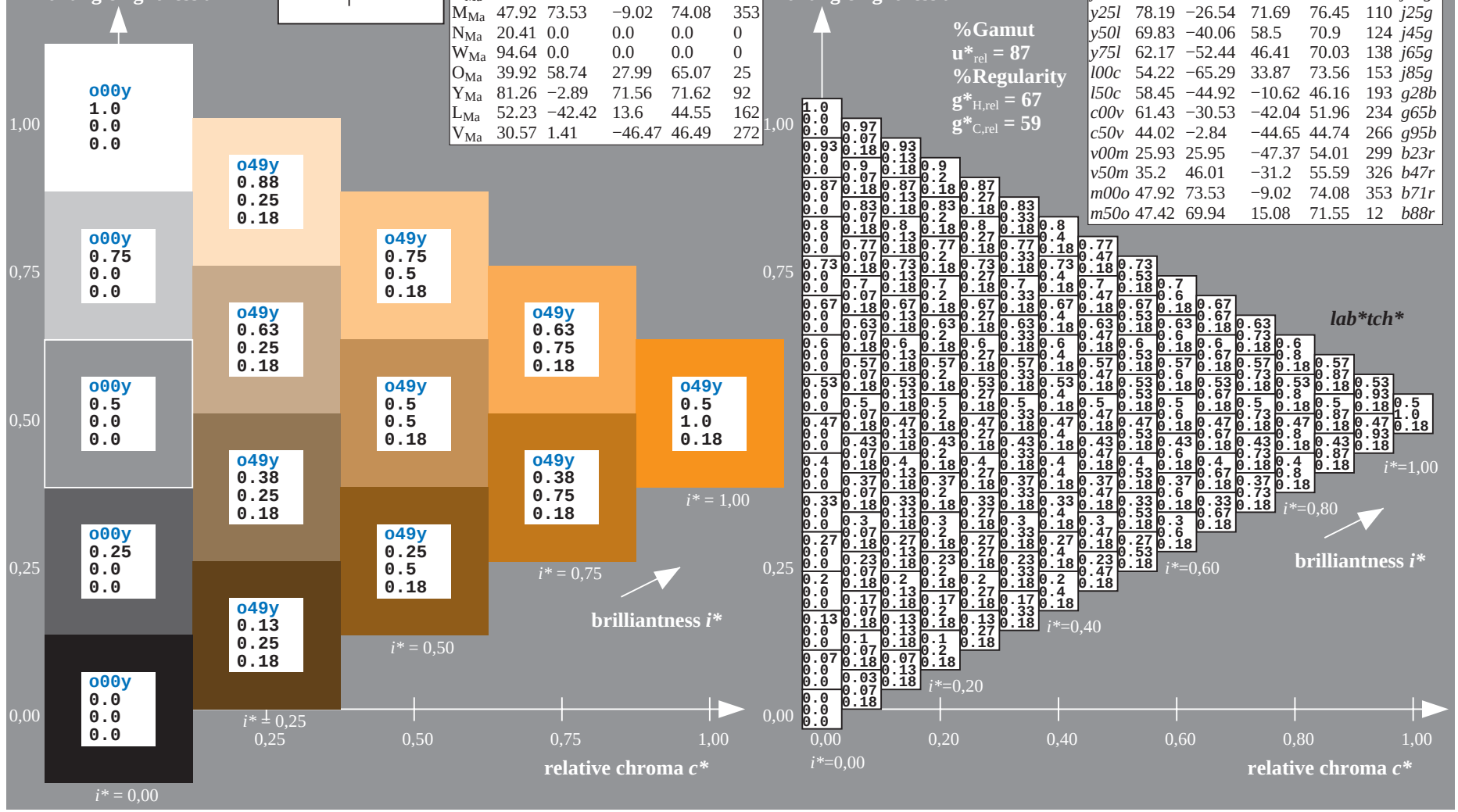
lab*rgb**$_{Ma}$: 1.0 0.57 0.0

triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 67$
$g^*_{C,rel} = 67$

ORS20_95a; adapted (a) CIELAB data

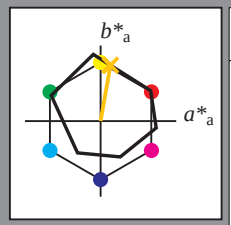
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.222$

$u^*_d = o75y$
lab*tch*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = o75y$ $u^*_e = r81j$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

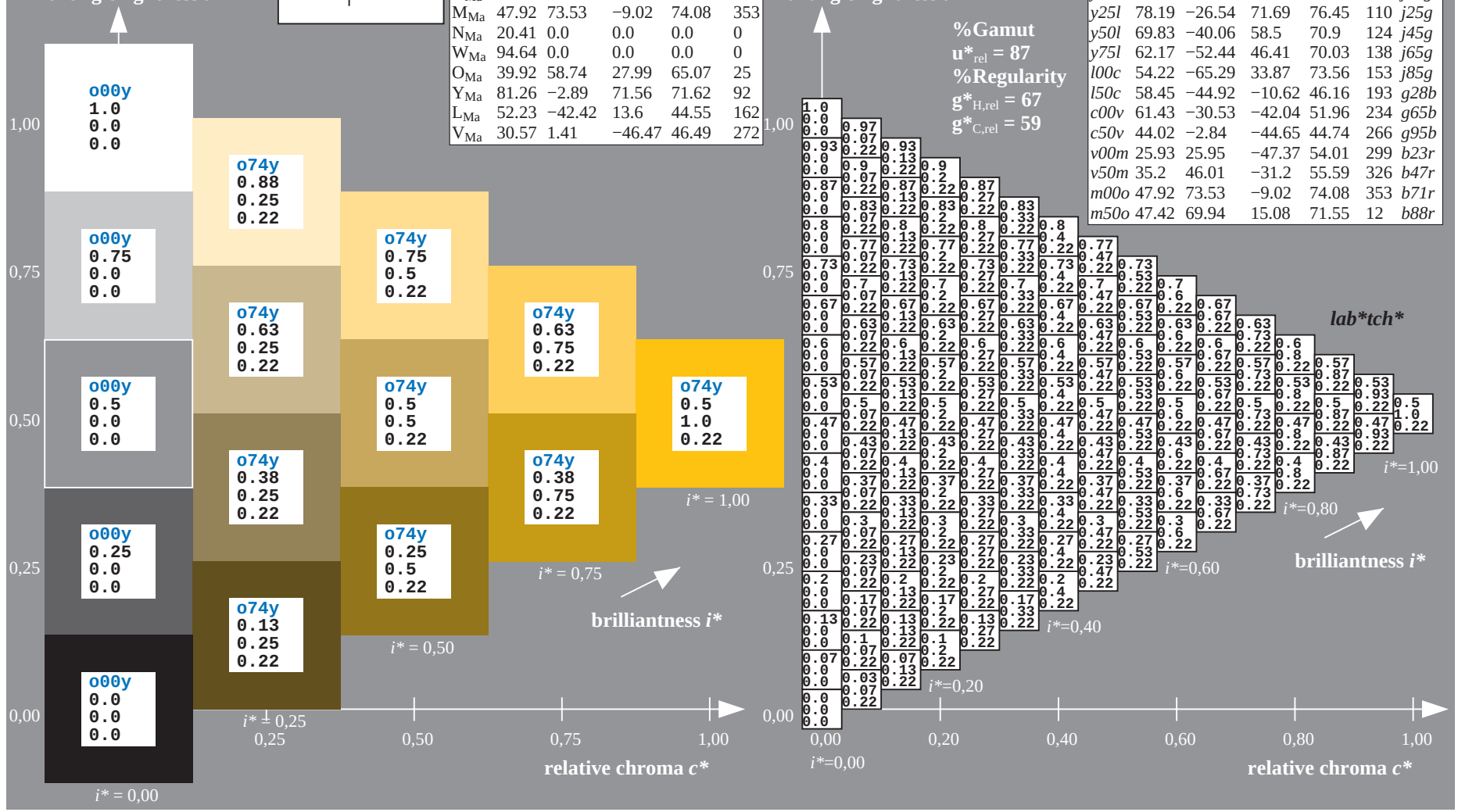
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 76 13 74**
***LAB*LCH*$_{Ma}$*: 76 75 79**
***lab*olv*$_{Ma}$*: 1.0 0.75 0.0**
***lab*rgb*$_{Ma}$*: 1.0 0.82 0.0**
triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 67$
$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.267$

data for any colour:

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

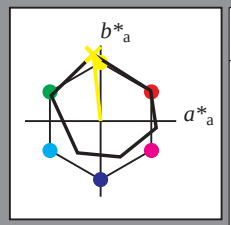
Hue texts:

$u^*_d = y00l$ $u^*_e = j06g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 89 −10 88

$LAB^*LCH^*_{Ma}$: 89 89 96

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

$lab^*rgb^*_{Ma}$: 0.94 1.0 0.0

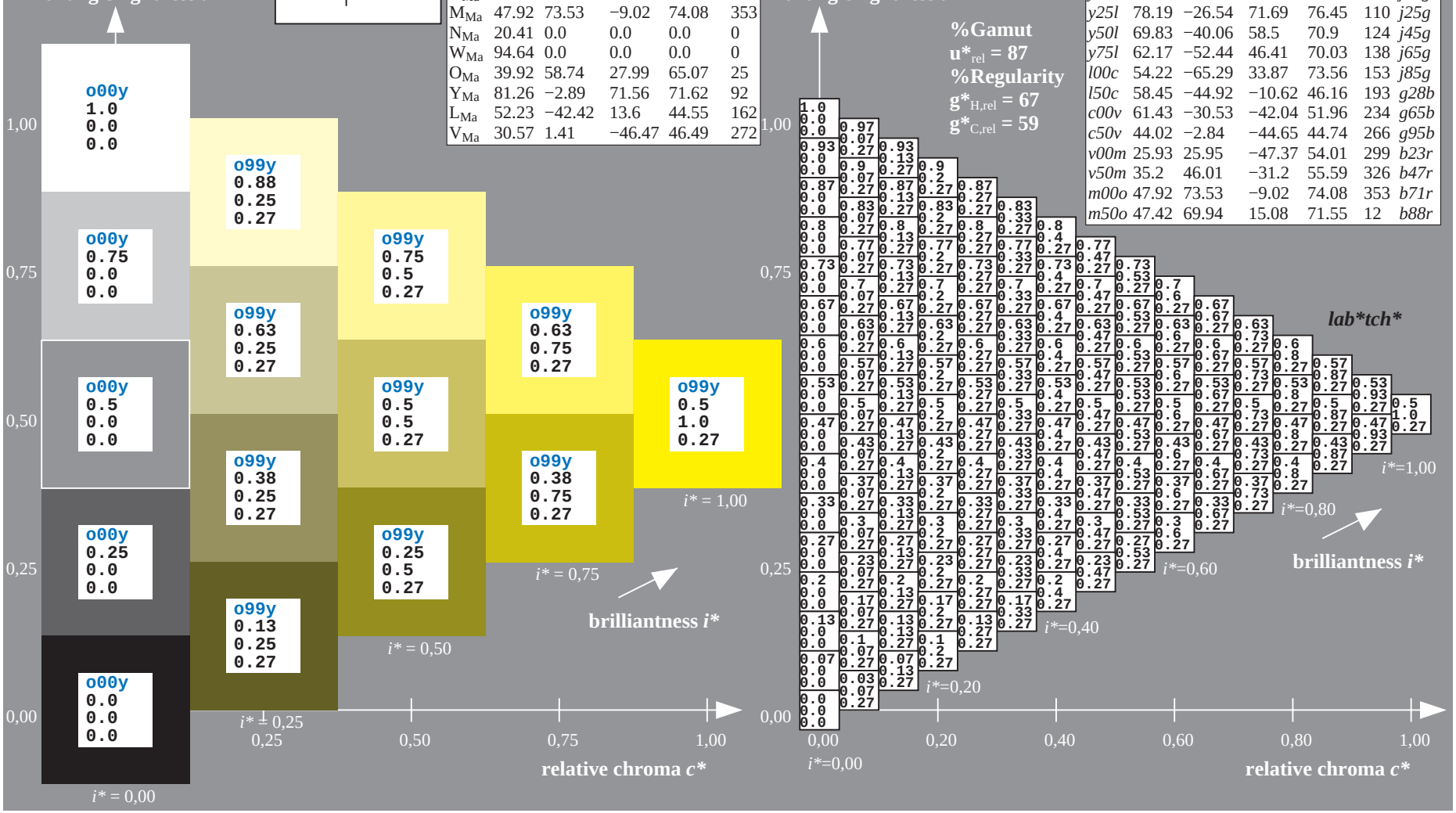
triangle lightness *t**

$u^*_d = y00l$

*lab*tch**

ORS20_95a; adapted (a) CIELAB data

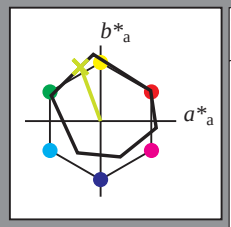
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.306$

$u^*_d = y25l$
lab*tch*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_d = y25l$ $u^*_e = j25g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



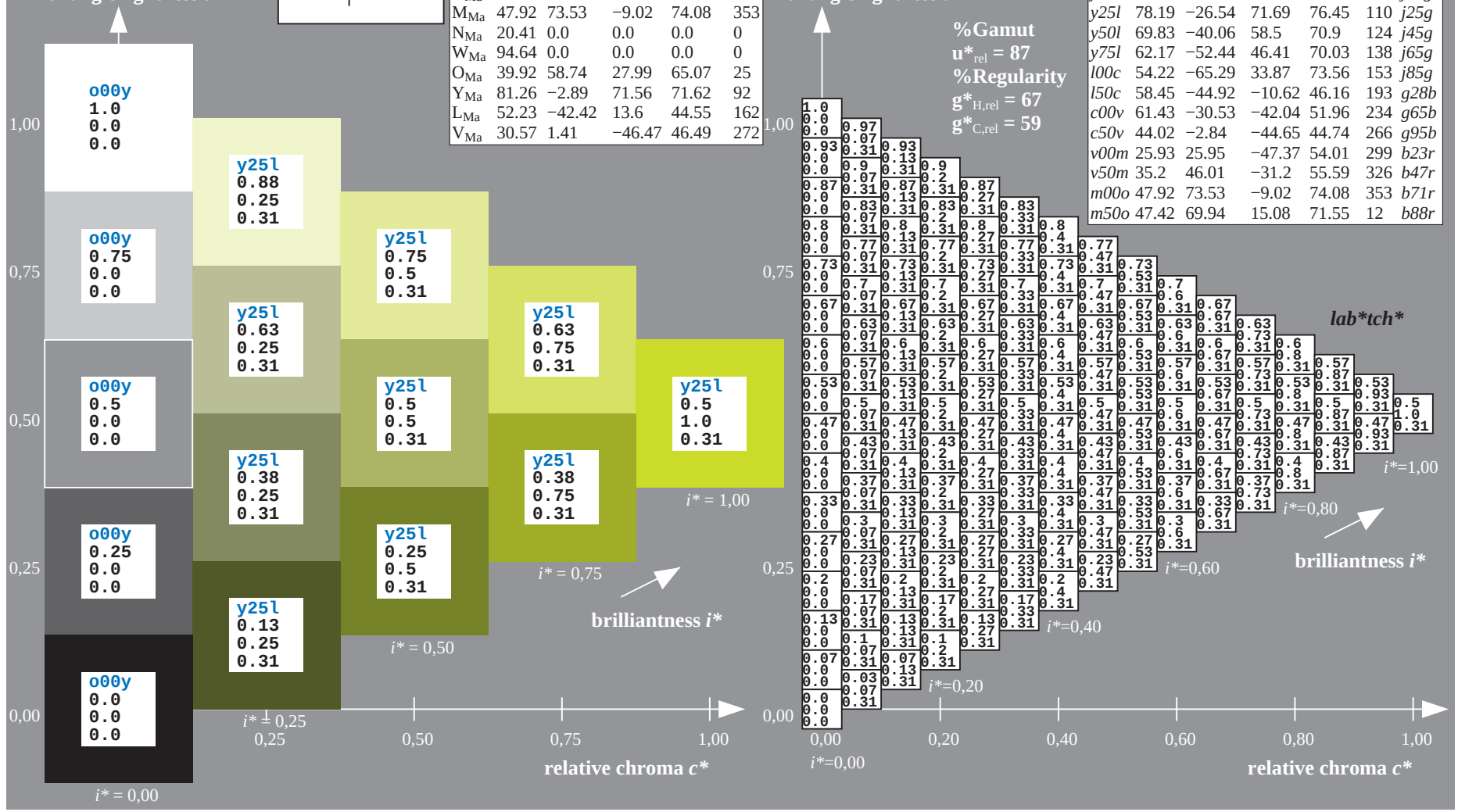
ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 78 −27 72
LAB*LCH*$_{Ma}$: 78 76 110
lab*olv*$_{Ma}$: 0.75 1.0 0.0
lab*rgb*$_{Ma}$: 0.74 1.0 0.0
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.346$

data for any colour:

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

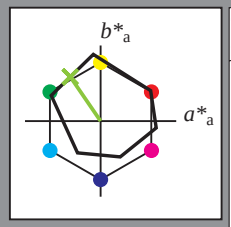
Hue texts:

$u^*_d = y50l$ $u^*_e = j45g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 70 −40 58

*LAB*LCH**$_{Ma}$: 70 71 124

*lab*olv**$_{Ma}$: 0.5 1.0 0.0

*lab*rgb**$_{Ma}$: 0.54 1.0 0.0

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

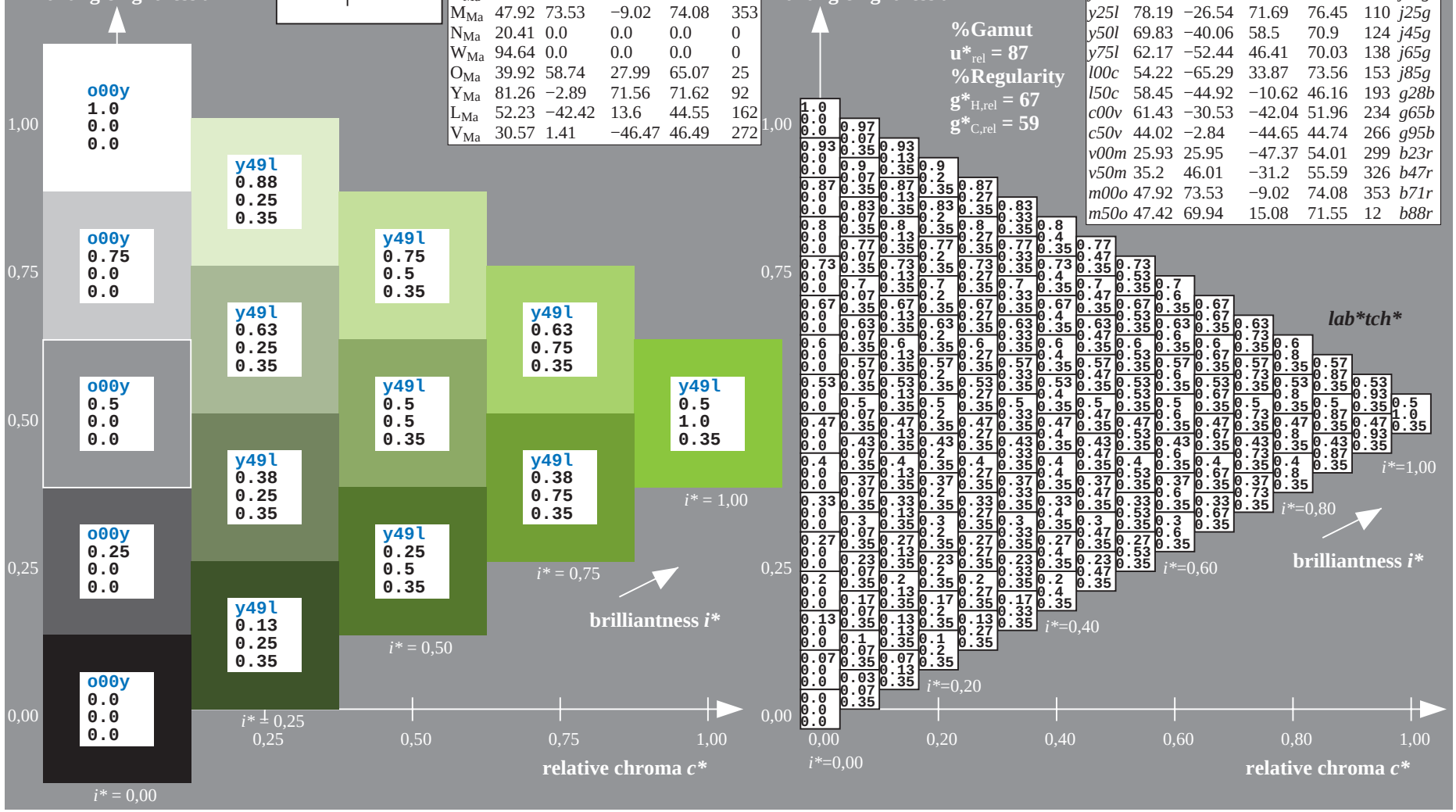
$g^*_{C,rel} = 59$

$u^*_d = y50l$

*lab*tch**

ORS20_95a; adapted (a) CIELAB data

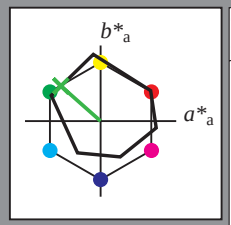
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.385$

$u^*_d = y75l$
lab*tch*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_d = y75l$ $u^*_e = j65g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



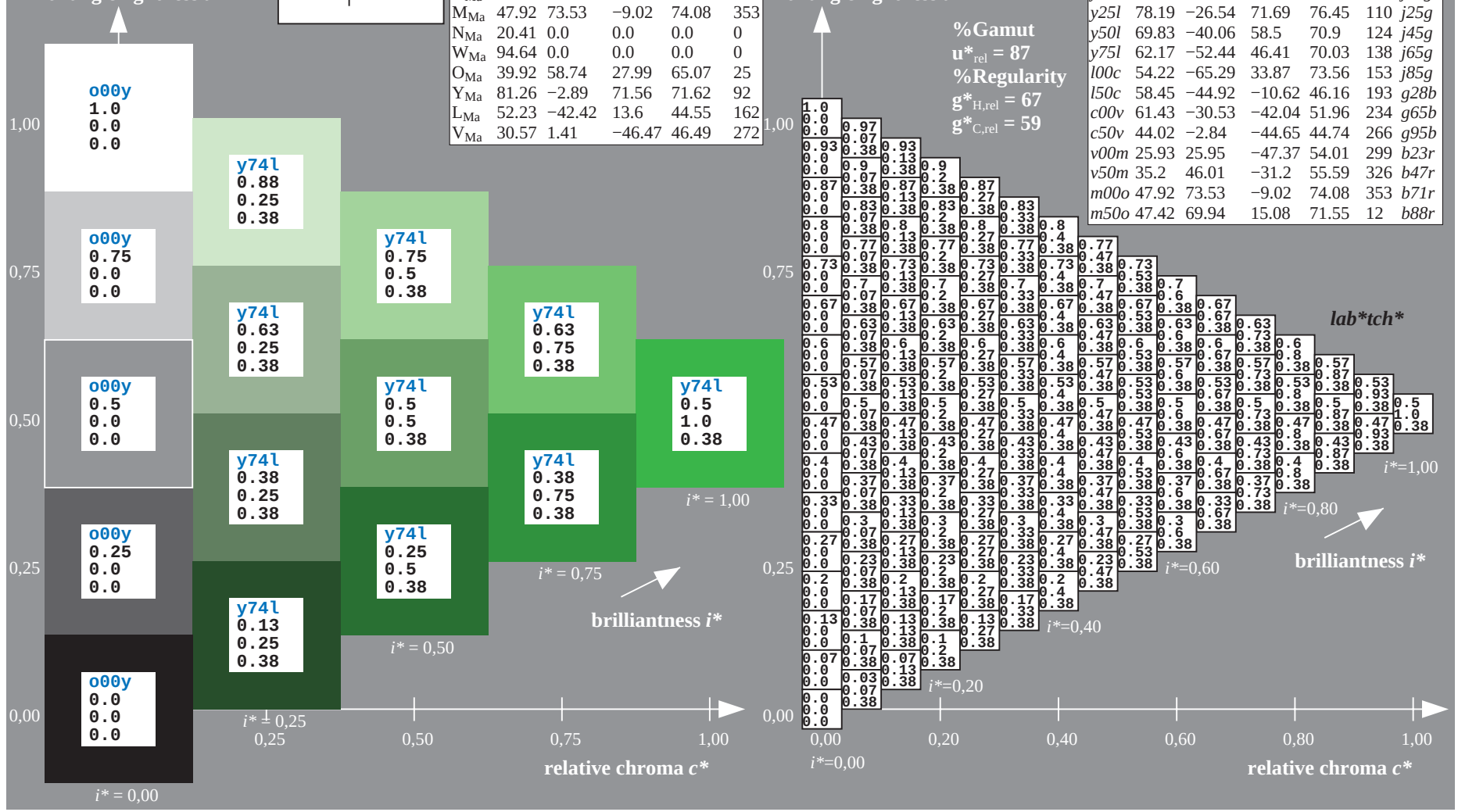
ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 62 −52 46
LAB*LCH*$_{Ma}$: 62 70 138
lab*olv*$_{Ma}$: 0.25 1.0 0.0
lab*rgb*$_{Ma}$: 0.34 1.0 0.0
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.424$

data for any colour:

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

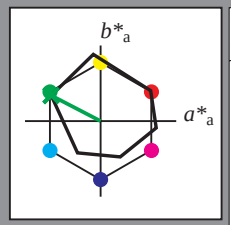
Hue texts:

$u^*_d = l00c$ $u^*_e = j85g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 54 −65 34

$LAB^*LCH^*_{Ma}$: 54 74 152

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

$lab^*rgb^*_{Ma}$: 0.14 1.0 0.0

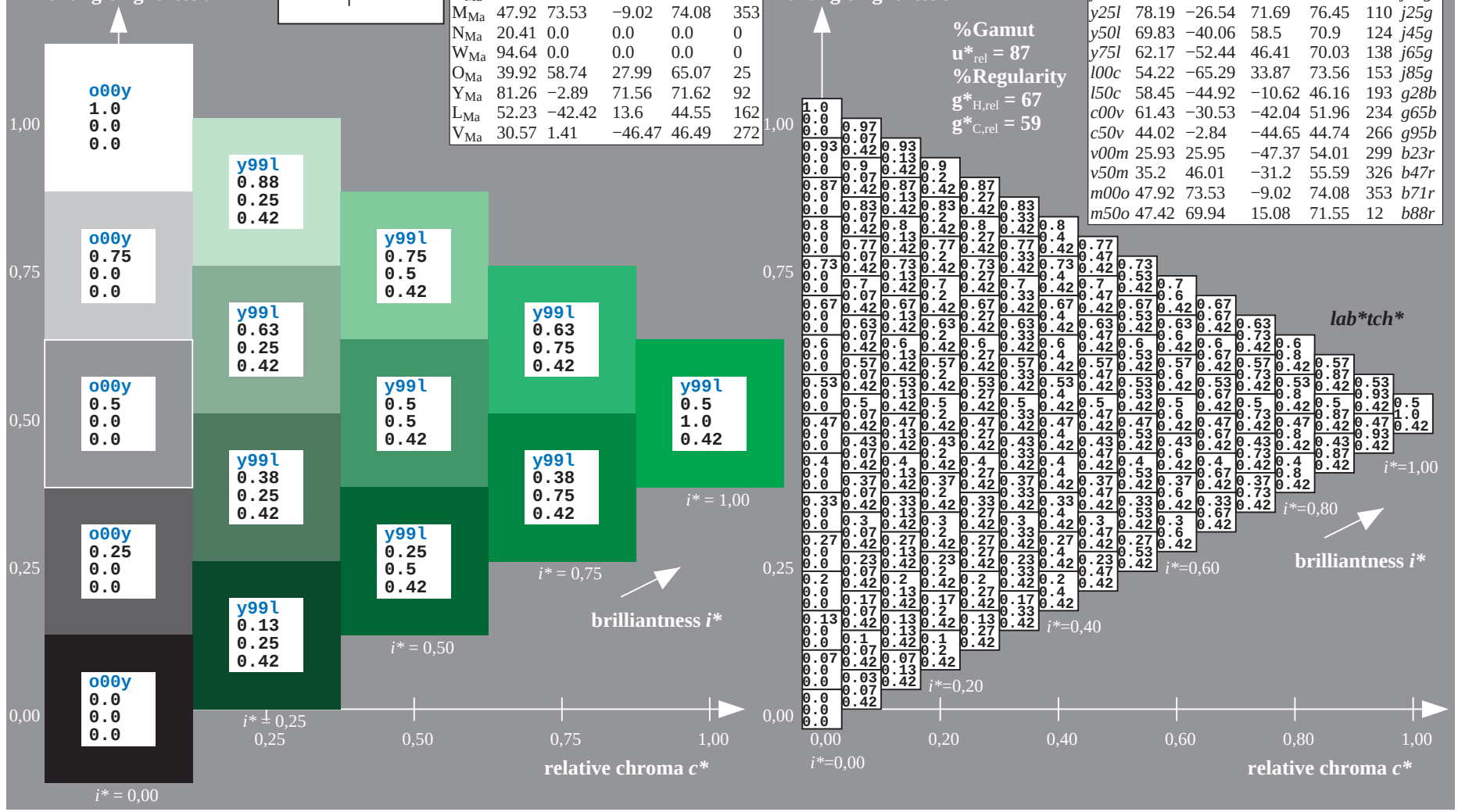
triangle lightness t^*

$u^*_d = l00c$

*lab*tch**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.537$

data for any colour:

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

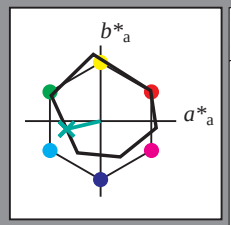
Hue texts:

$u^*_d = l50c$ $u^*_e = g28b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 58 −45 −11**

***LAB*LCH**$_{Ma}$: 58 46 193**

***lab*olv**$_{Ma}$: 0.0 1.0 0.5**

***lab*rgb**$_{Ma}$: 0.0 1.0 0.57**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

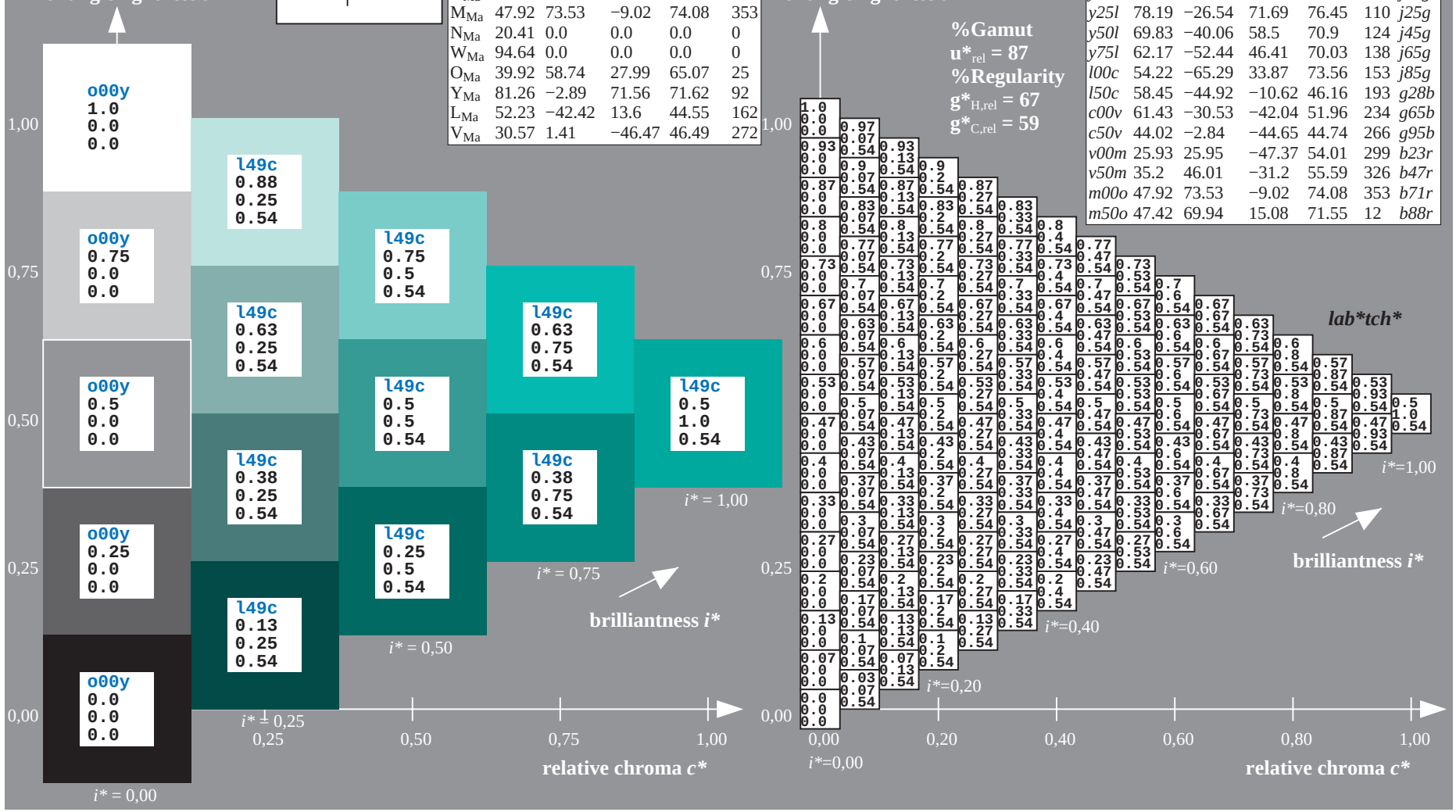
$g^*_{C,rel} = 59$

$u^*_d = l50c$

*lab*tch**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.65$

data for any colour:

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

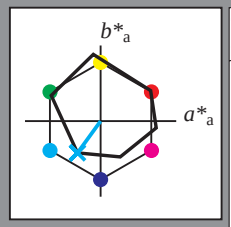
Hue texts:

$u^*_d = c00v$ $u^*_e = g65b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 61 −31 −42

*LAB*LCH**$_{Ma}$: 61 52 234

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

*lab*rgb**$_{Ma}$: 0.0 0.69 1.0

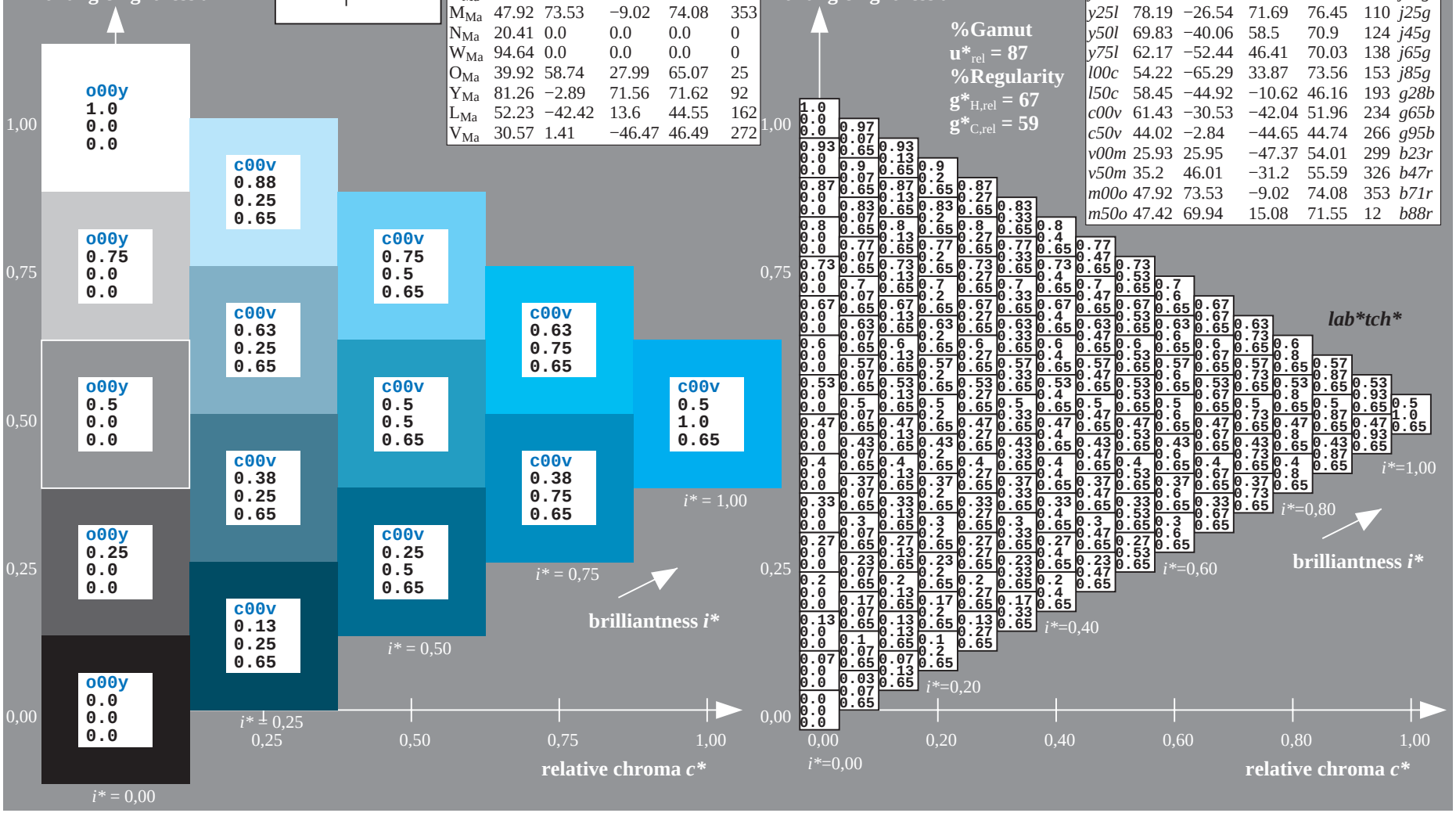
triangle lightness *t**

$u^*_d = c00v$

*lab*tch**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.74$

data for any colour:

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

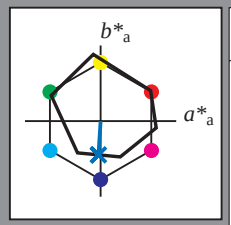
Hue texts:

$u^*_d = c50v$ $u^*_e = g95b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 44 −3 −45**

***LAB*LCH*Ma*: 44 45 266**

***lab*olv*Ma*: 0.0 0.5 1.0**

***lab*rgb*Ma*: 0.0 0.1 1.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

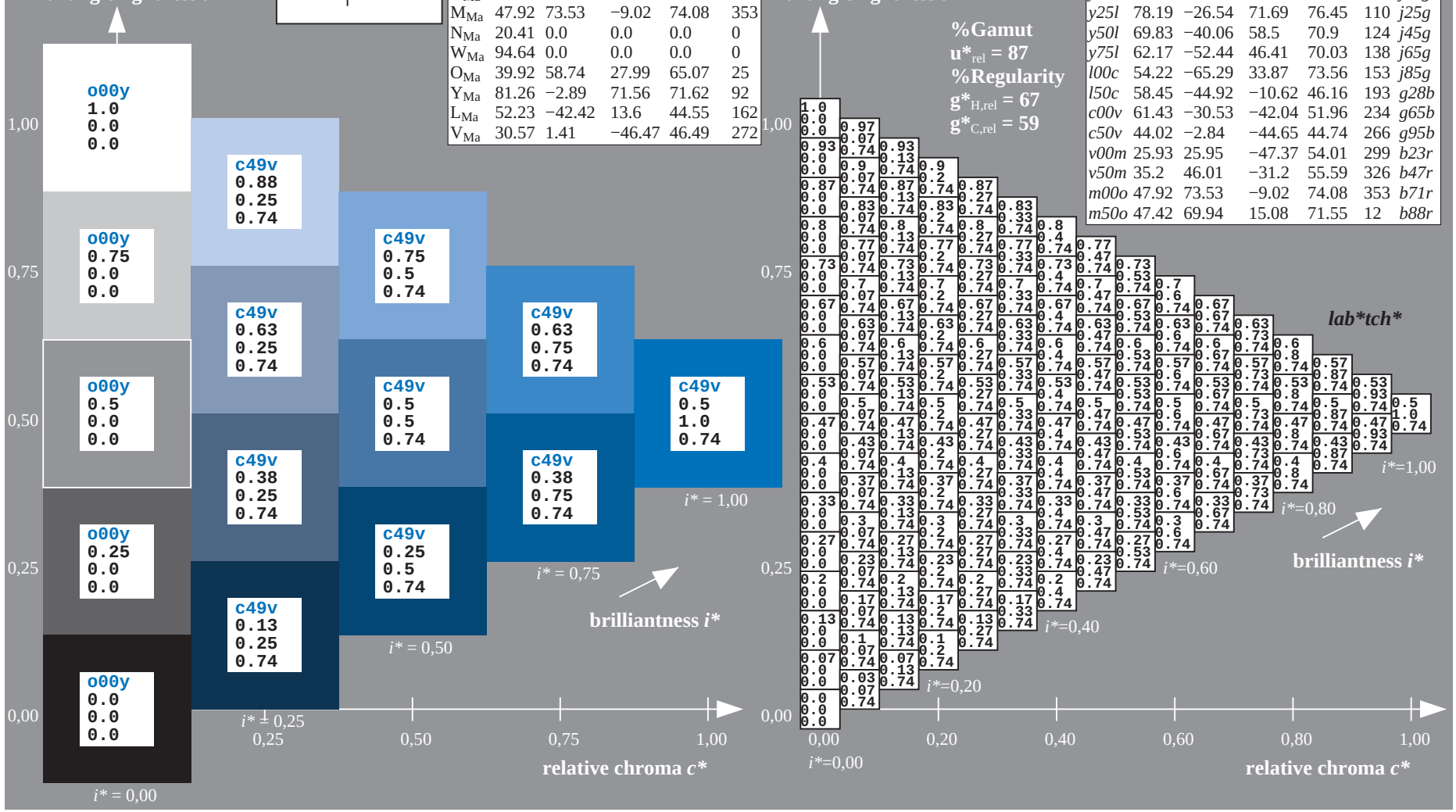
$g^*_{C,rel} = 59$

$u^*_d = c50v$

*lab*tch**

ORS20_95a; adapted (a) CIELAB data

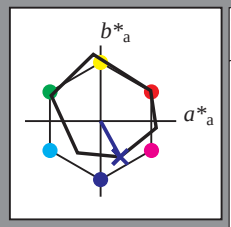
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.83$

$u^*_d = v00m$
lab^*tch^*

data for any colour:
lab^*tch^* and *lab^*icu^**
Hue texts:
$u^*_d = v00m$ $u^*_e = b23r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



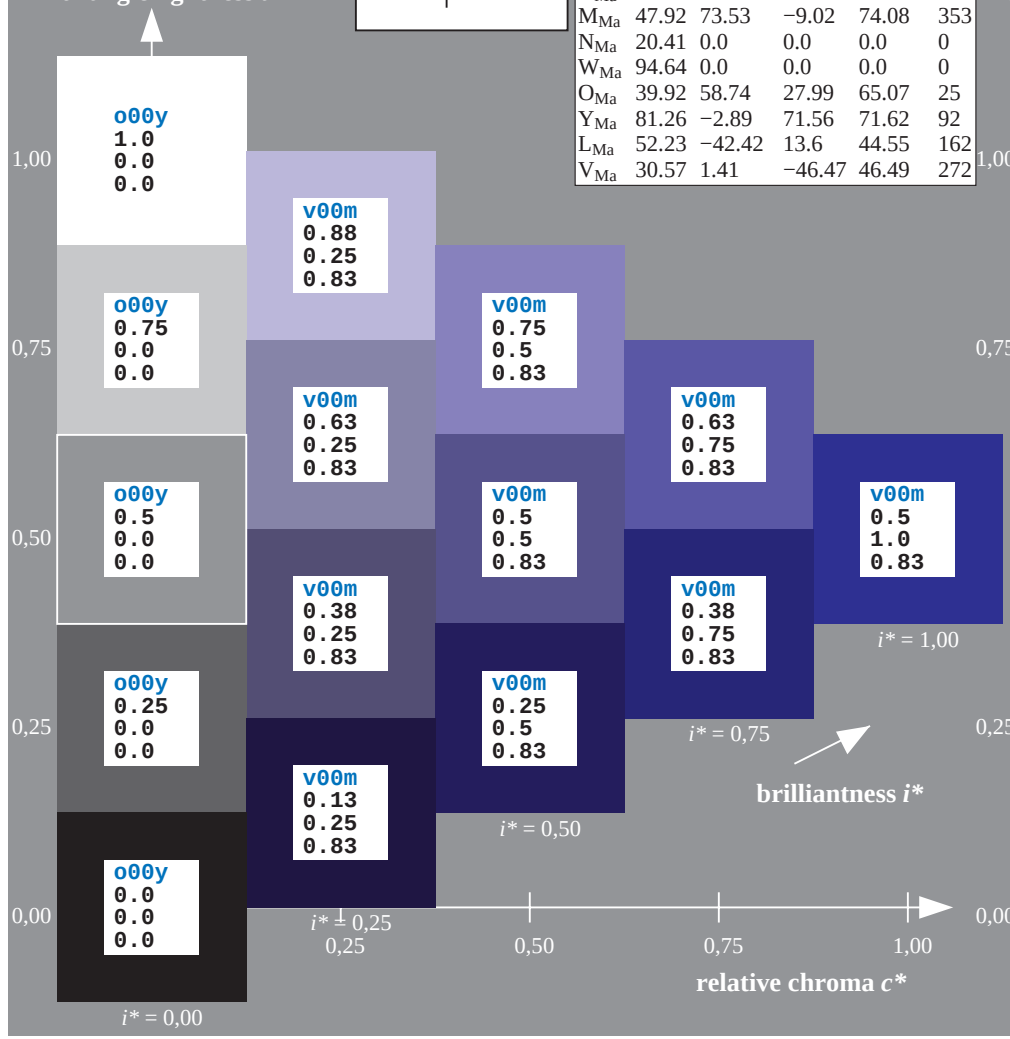
ORS20_95a; adapted (a) CIELAB data

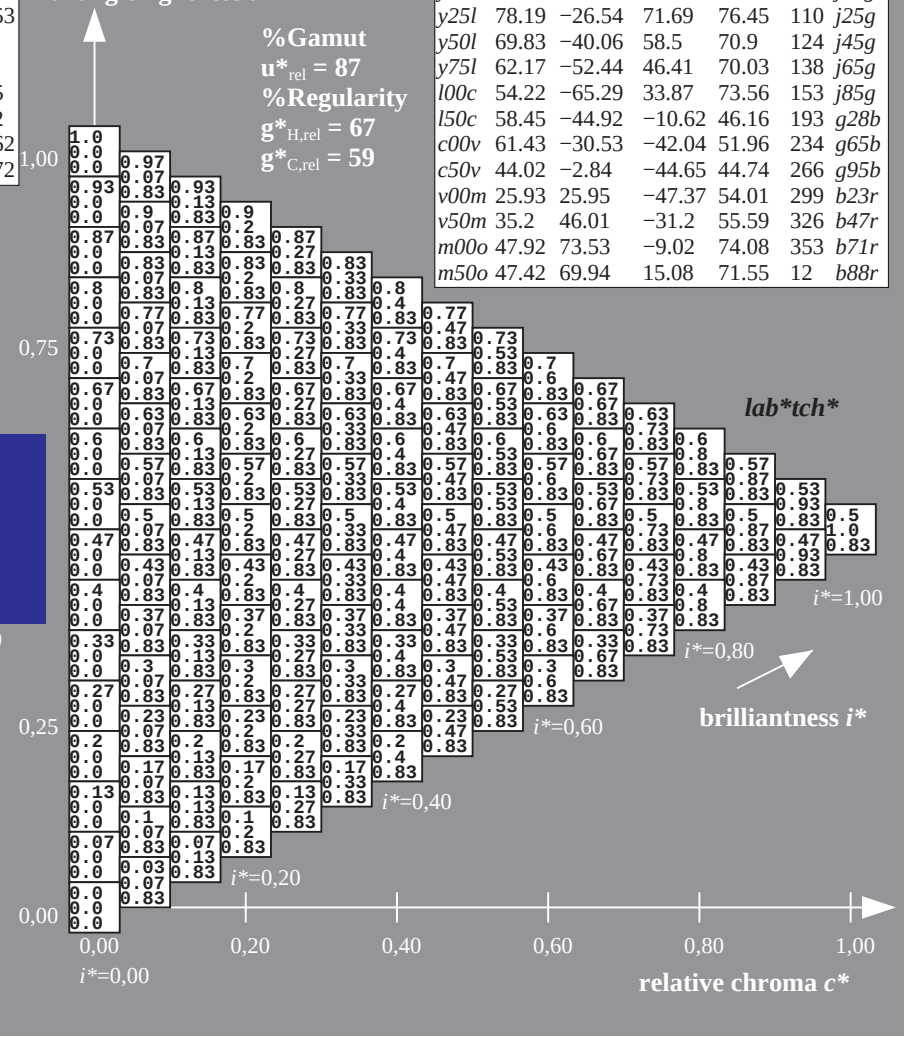
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***$LAB^*LAB^*_{Ma}$*: 26 26 −47**
***$LAB^*LCH^*_{Ma}$*: 26 54 298**
***$lab^*olv^*_{Ma}$*: 0.0 0.0 1.0**
***$lab^*rgb^*_{Ma}$*: 0.47 0.0 1.0**
triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

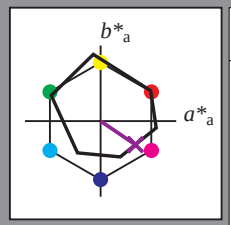




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.905$

$u^*_d = v50m$
lab*tch*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_d = v50m$ $u^*_e = b47r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



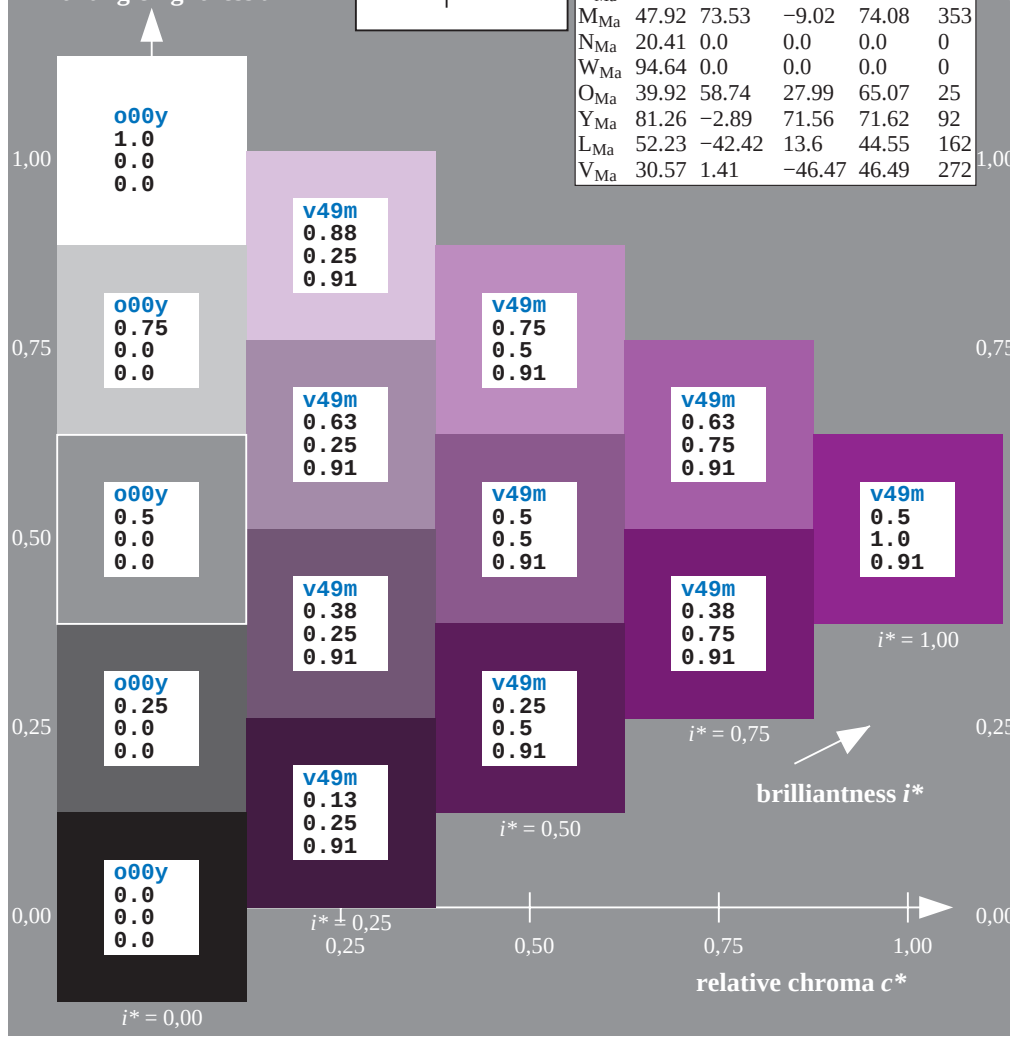
ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

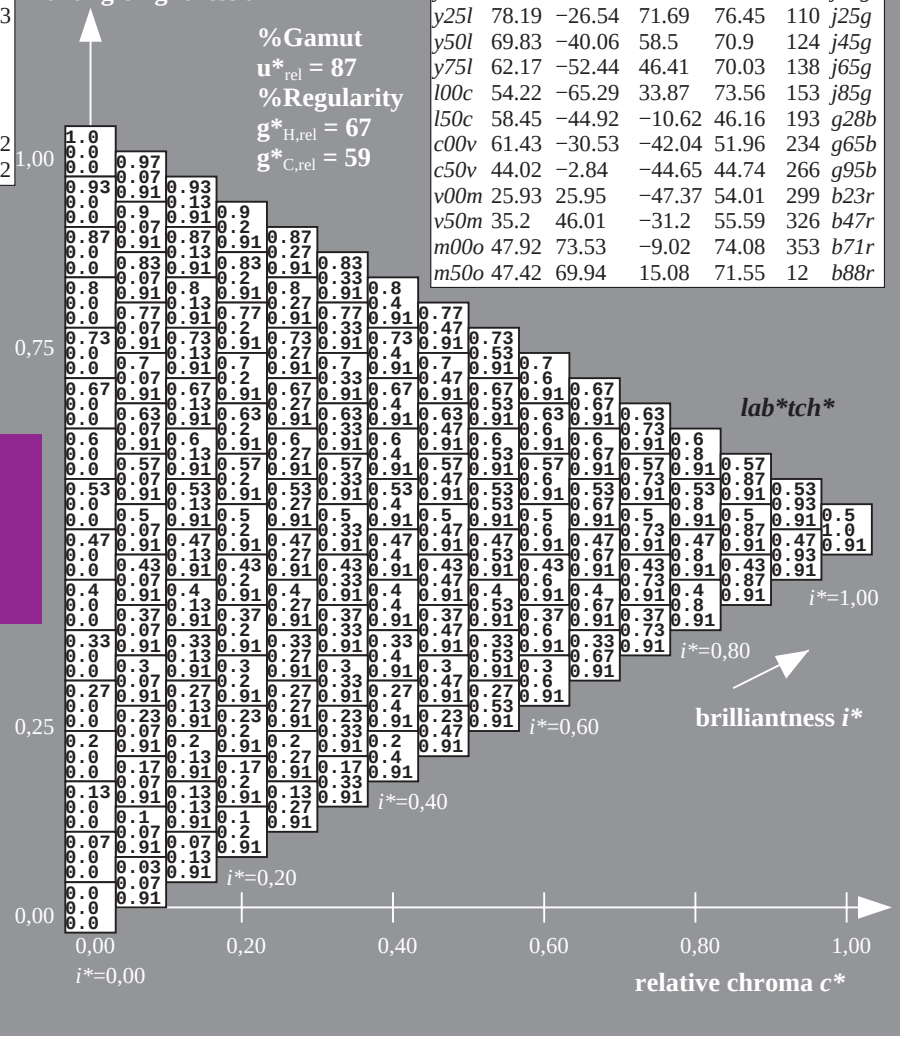
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 35 46 −31**
***LAB*LCH*$_{Ma}$*: 35 56 325**
***lab*olv*$_{Ma}$*: 0.5 0.0 1.0**
***lab*rgb*$_{Ma}$*: 0.95 0.0 1.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



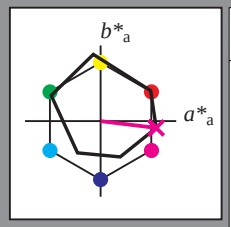
%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 67$
$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.981$

**u^*_d = *m00o*
*lab*tch**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *m00o* u^*_e = *b71r*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



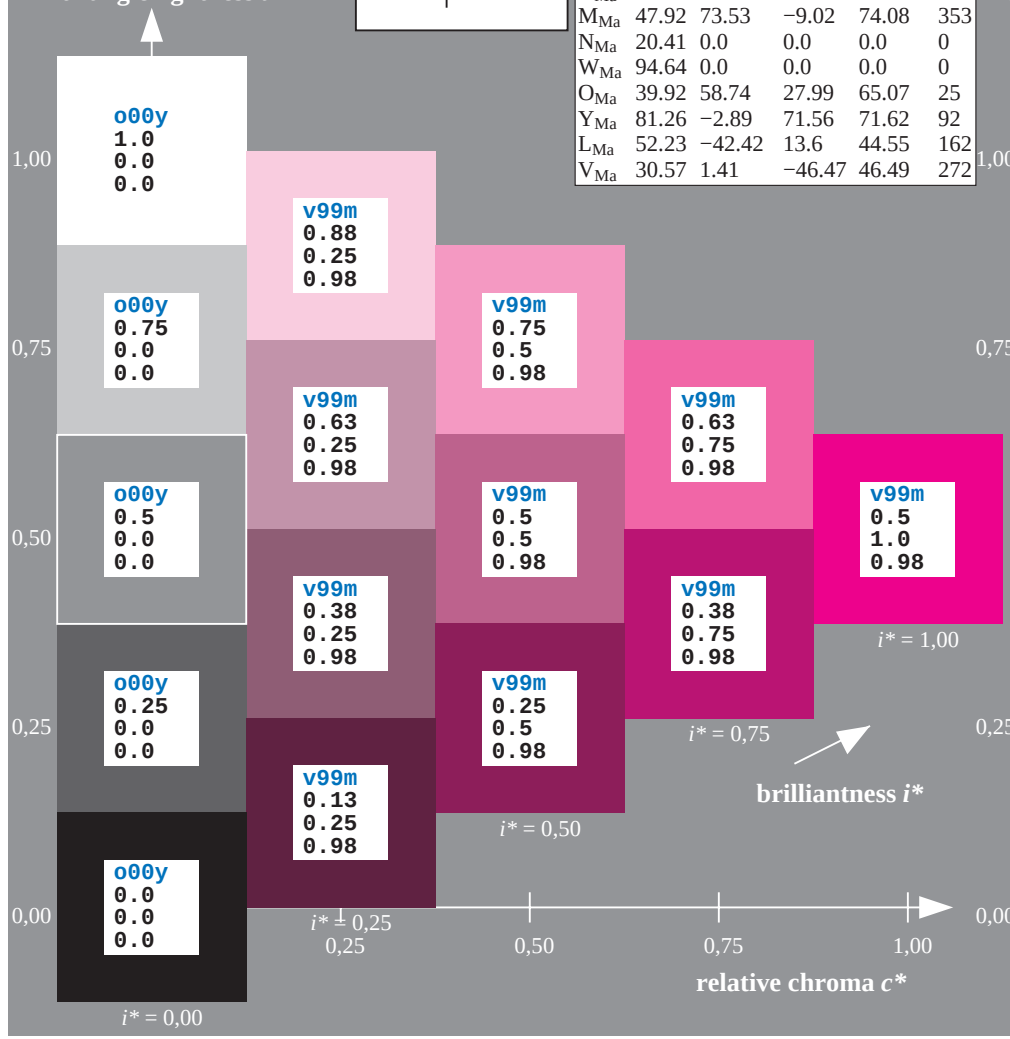
ORS20_95a; adapted (a) CIELAB data

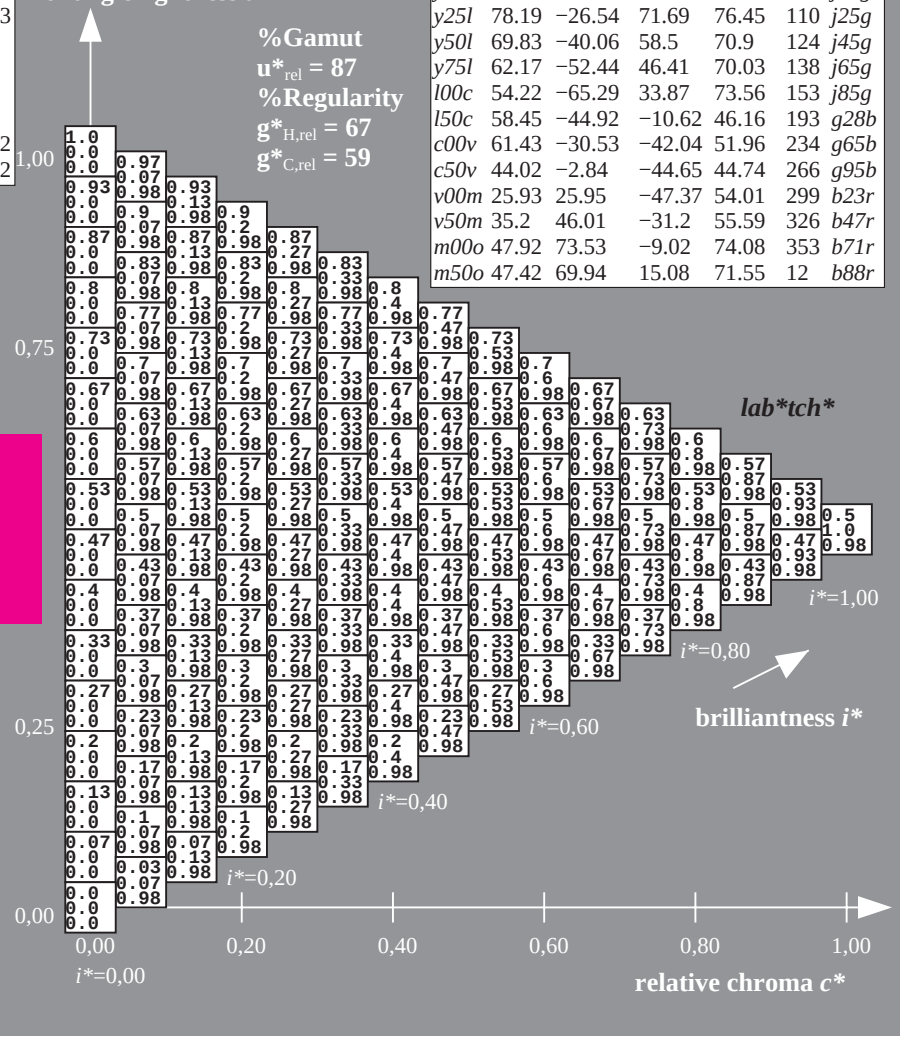
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 48 74 −9**
***LAB*LCH*$_{Ma}$*: 48 74 353**
***lab*olv*$_{Ma}$*: 1.0 0.0 1.0**
***lab*rgb*$_{Ma}$*: 1.0 0.0 0.57**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

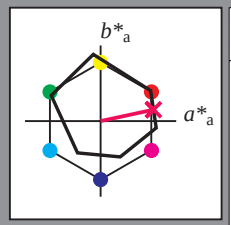




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.034$

$u^*_d = m50o$
lab^*tch^*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = m50o$ $u^*_e = b88r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



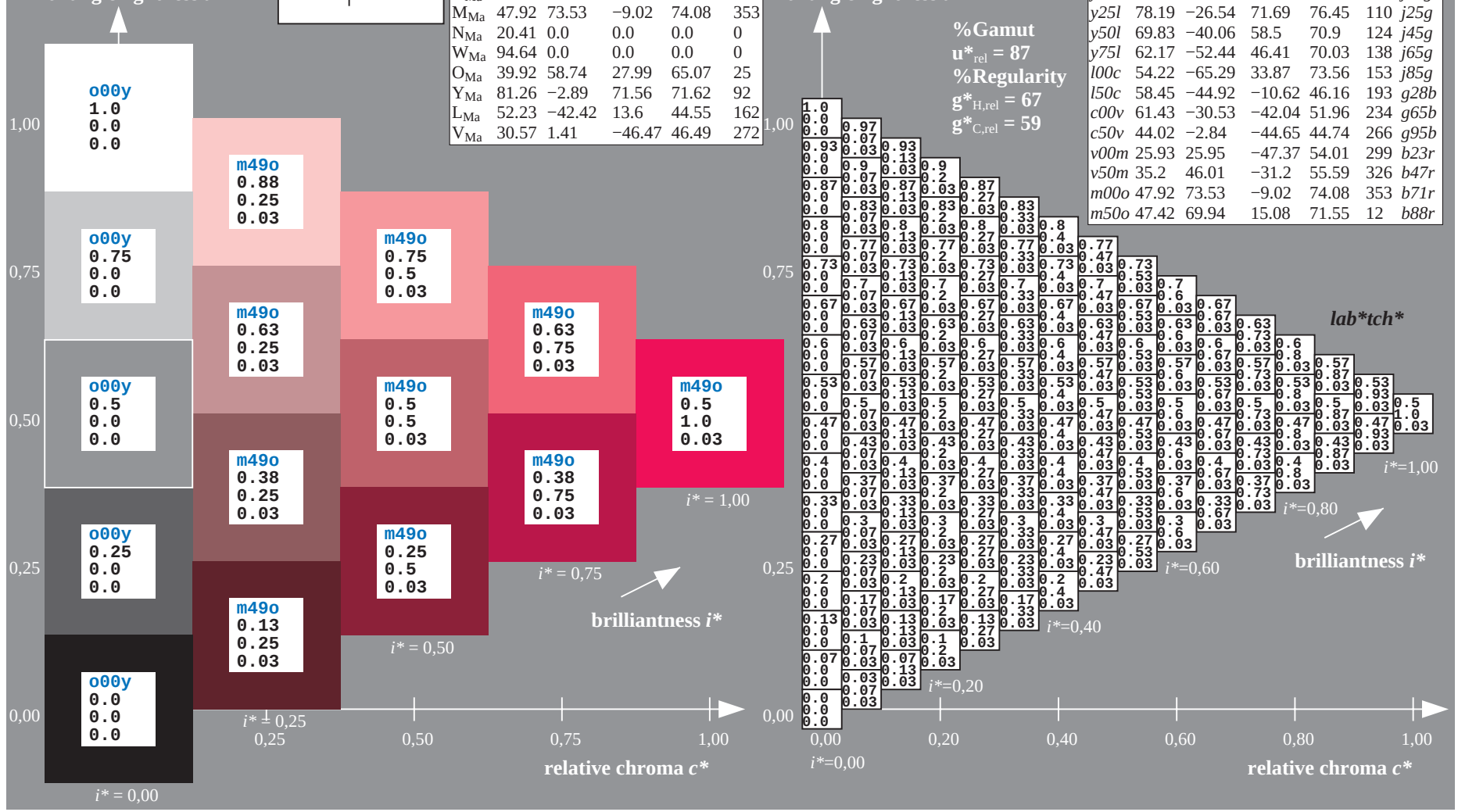
ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 47 70 15**
***LAB*LCH*$_{Ma}$*: 47 72 12**
***lab*olv*$_{Ma}$*: 1.0 0.0 0.5**
***lab*rgb*$_{Ma}$*: 1.0 0.0 0.23**
triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

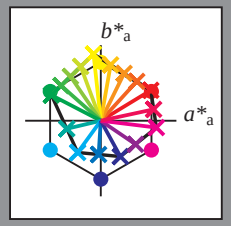


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	*lab*tch**			
01	0.0	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.06	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.13	0.13	0.13	0.19	0.25	0.31	0.38	0.44	0.5	1.0	0.94	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.0	0.0	0.0	0.0
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0
	0.0	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.09	0.27	0.35	0.37	0.38	0.39	0.4	0.4	0.4	0.09	0.18	0.27	0.32	0.35	0.36	0.37	0.38	0.38	0.0	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.0	0.0	0.0	0.0
02	0.06	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.13	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.94	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.13	0.13	0.13	0.13
	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0	0.0
	0.83	0.65	0.54	0.5	0.48	0.47	0.46	0.46	0.45	0.98	0.0	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.03	0.09	0.27	0.35	0.37	0.38	0.39	0.4	0.4	0.65	0.0	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.0	0.0	0.0	0.0
03	0.13	0.13	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.13	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.63	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.25	0.25	0.25	0.25
	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0
	0.83	0.74	0.65	0.57	0.54	0.51	0.5	0.49	0.48	0.91	0.83	0.65	0.54	0.5	0.48	0.47	0.46	0.46	0.98	0.98	0.0	0.42	0.42	0.42	0.42	0.42	0.42	0.65	0.65	0.65	0.0	0.09	0.09	0.09	0.09	0.09	0.0	0.0	0.0	0.0
04	0.19	0.19	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.19	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.56	0.19	0.25	0.31	0.31	0.38	0.44	0.5	0.56	0.63	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.38	0.38	0.38	0.38
	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.0	0.0	0.0	0.0
	0.83	0.77	0.71	0.65	0.59	0.56	0.54	0.52	0.51	0.88	0.83	0.74	0.65	0.57	0.54	0.51	0.5	0.49	0.93	0.91	0.83	0.65	0.54	0.5	0.48	0.47	0.46	0.65	0.65	0.65	0.0	0.09	0.09	0.09	0.09	0.09	0.0	0.0	0.0	0.0
05	0.25	0.25	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.25	0.31	0.31	0.31	0.31	0.38	0.44	0.5	0.56	0.25	0.31	0.38	0.38	0.38	0.44	0.5	0.56	0.63	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.5	0.5	0.5	0.5
	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.0	0.0	0.0	0.0
	0.83	0.78	0.74	0.69	0.65	0.6	0.57	0.55	0.54	0.87	0.83	0.77	0.71	0.65	0.59	0.56	0.54	0.52	0.91	0.88	0.83	0.74	0.65	0.57	0.54	0.51	0.5	0.65	0.65	0.65	0.65	0.0	0.09	0.09	0.09	0.09	0.0	0.0	0.0	0.0
06	0.31	0.31	0.31	0.31	0.31	0.31	0.38	0.44	0.5	0.31	0.38	0.38	0.38	0.38	0.38	0.44	0.5	0.56	0.31	0.38	0.44	0.44	0.44	0.44	0.5	0.56	0.63	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.19	0.63	0.63	0.63	0.63
	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.0	0.0	0.0	0.0
	0.83	0.79	0.76	0.72	0.69	0.65	0.61	0.59	0.57	0.86	0.83	0.78	0.74	0.69	0.65	0.6	0.57	0.55	0.89	0.87	0.83	0.77	0.71	0.65	0.59	0.56	0.54	0.65	0.65	0.65	0.65	0.65	0.0	0.09	0.09	0.09	0.0	0.0	0.0	0.0
07	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.44	0.5	0.38	0.44	0.44	0.44	0.44	0.44	0.44	0.5	0.56	0.38	0.44	0.5	0.5	0.5	0.5	0.5	0.56	0.63	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.19	0.13	0.75	0.75	0.75	0.75
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.0	0.0	0.0	0.0
	0.83	0.8	0.77	0.74	0.71	0.68	0.65	0.62	0.59	0.85	0.83	0.79	0.76	0.72	0.69	0.65	0.61	0.59	0.88	0.86	0.83	0.78	0.74	0.69	0.65	0.6	0.57	0.65	0.65	0.65	0.65	0.65	0.65	0.0	0.09	0.09	0.0	0.0	0.0	0.0
08	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.5	0.44	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.56	0.44	0.5	0.56	0.56	0.56	0.56	0.56	0.56	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.19	0.13	0.06	0.88	0.88	0.88	0.88
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.0	0.0	0.0	0.0
	0.83	0.8	0.78	0.75	0.73	0.7	0.68	0.65	0.62	0.85	0.83	0.8	0.77	0.74	0.71	0.68	0.65	0.62	0.87	0.85	0.83	0.79	0.76	0.72	0.69	0.65	0.61	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.0	0.09	0.0	0.0	0.0	0.0
09	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.5	0.56	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.5	0.44	0.38	0.31	0.25	0.19	0.13	0.06	0.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
	0.83	0.81	0.78	0.76	0.74	0.72	0.69	0.67	0.65	0.85	0.83	0.8	0.78	0.75	0.73	0.7	0.68	0.65	0.87	0.85	0.83	0.8	0.77	0.74	0.71	0.68	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.0	0.0	0.0	0.0
10	0.19	0.19	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.25	0.25	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.31	0.31	0.31	0.31	0.31	0.31	0.38	0.44	0.5	1.0	0.94	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.0	0.0	0.0	0.0
	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0
	0.09	0.15	0.21	0.27	0.31	0.33	0.35	0.36	0.37	0.09	0.13	0.18	0.22	0.27	0.3	0.32	0.33	0.35	0.09	0.12	0.16	0.2	0.23	0.27	0.29	0.31	0.33	0.0	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.0	0.0	0.0	0.0
11	0.19	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.56	0.25	0.31	0.31	0.31	0.31	0.38	0.44	0.5	0.56	0.31	0.38	0.38	0.38	0.38	0.38	0.44	0.5	0.56	0.94	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.07	0.07	0.07	0.07
	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0	0.0
	0.05	0.09	0.18	0.27	0.32	0.35	0.36	0.37	0.38	0.06	0.09	0.15	0.21	0.27	0.31	0.33	0.35	0.36	0.07	0.09	0.13	0.18	0.22	0.27	0.3	0.32	0.33	0.83	0.0	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.0	0.0	0.0	0.0
12	0.19	0.25	0.31	0.31	0.38	0.44	0.5	0.56	0.63	0.25	0.31	0.38	0.38	0.38	0.44	0.5	0.56	0.63	0.31	0.38	0.44	0.44	0.44	0.44	0.5	0.56	0.63	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.13	0.13	0.13	0.13
	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0
	0.02	0.03	0.09	0.27	0.35	0.37	0.38	0.39	0.4	0.03	0.05	0.09	0.18	0.27	0.32	0.35	0.36	0.37	0.04	0.06	0.09	0.15	0.21	0.27	0.31	0.33	0.35	0.83	0.83	0.0	0.27	0.27	0.27	0.27	0.27	0.27	0.0	0.0	0.0	0.0
13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.63	0.69	0.25	0.31	0.38	0.44	0.44	0.5	0.56	0.63	0.69	0.31	0.38	0.44	0.5	0.5	0.5	0.56	0.63	0.69	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.2	0.2	0.2	0.2
	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.0	0.0	0.0	0.0
	0.98	0.98	0.98	0.0	0.42	0.42	0.42	0.42	0.42	0.01	0.02	0.03	0.09	0.27	0.35	0.37	0.38	0.39	0.02	0.03	0.05	0.09	0.18	0.27	0.32	0.35	0.36	0.83	0.83	0.83	0.0	0.27	0.27	0.27	0.27	0.27	0.0	0.0	0.0	0.0
14	0.25	0.31	0.38	0.44	0.44	0.5	0.56	0.63	0.69	0.25	0.31	0.38	0.44	0.5	0.56	0.63	0.69	0.75	0.31	0.38	0.44	0.5	0.56	0.56	0.63	0.69	0.75	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.27	0.27	0.27	0.27
	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.0	0.0	0.0	0.0
	0.94	0.93	0.91	0.83	0.65	0.54	0.5	0.48	0.47	0.98	0.98	0.98	0.98	0.0	0.42	0.42	0.42	0.42	0.0	0.01	0.02	0.03	0.09	0.27	0.35	0.37	0.38	0.83	0.83	0.83	0.83	0.0	0.27	0.27	0.27	0.27	0.0	0.0	0.0	0.0
15	0.31	0.38	0.44	0.5	0.5	0.5	0.56	0.63	0.69	0.31	0.38	0.44	0.5	0.56	0.56	0.63	0.69	0.75	0.31	0.38	0.44	0.5	0.56	0.63	0.69	0.75	0.81	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.19	0.33	0.33	0.33	0.33
	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.0	0.0	0.0	0.0
	0.92	0.91	0.88	0.83	0.74	0.65	0.57	0.54	0.51	0.95	0.94	0.93	0.91	0.83	0.65	0.54	0.5	0.48	0.98	0.98	0.98	0.98	0.98	0.0	0.42	0.42	0.42	0.83	0.83	0.83	0.83	0.83	0.0	0.27	0.27	0.27	0.0	0.0	0.0	0.0
16	0.38	0.44	0.5	0.56	0.56	0.56	0.56	0.63	0.69	0.38	0.44	0.5	0.56	0.63	0.63	0.63	0.69	0.75	0.38	0.44	0.5	0.56	0.63	0.69	0.69	0.75	0.81	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.19	0.13	0.4	0.4	0.4	0.4
	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.0	0.0	0.0	0.0
	0.91	0.89	0.87	0.83	0.77	0.71	0.65	0.59	0.56	0.93	0.92	0.91	0.88	0.83	0.74	0.65	0.57	0.54	0.96	0.95	0.94	0.93	0.91	0.83	0.65	0.54	0.5	0.83	0.83	0.83	0.83	0.83	0.83	0.0	0.27	0.27	0.0	0.0	0.0	0.0
17	0.44	0.5	0.56	0.63	0.63	0.63	0.63	0.63	0.69	0.44	0.5	0.56	0.63	0.69	0.69	0.69	0.69	0.75	0.44	0.5	0.56	0.63	0.69	0.75	0.75	0.75	0.81	0.56	0.5	0.44	0.38	0.31	0.25	0.19	0.13	0.06	0.47	0.47	0.47	0.47
	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.0	0.0	0.0	0.0
	0.89	0.88	0.86	0.83	0.78	0.74	0.69	0.65	0.6	0.92	0.91	0.89	0.87	0.83	0.77	0.71	0.65	0.59	0.94	0.93	0.92	0.91	0.88	0.83	0.74	0.65	0.57	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.0	0.27	0.0	0.0	0.0	0.0
18	0.5	0.56	0.63	0.69	0.69	0.69	0.69	0.69	0.69	0.5	0.56	0.63	0.69	0.75	0.75	0.75	0.75	0.75	0.5	0.56	0.63	0.69	0.75	0.81	0.81	0.81	0.81	0.5	0.44	0.38	0.31	0.25	0.19	0.13	0.06	0.0	0.53	0.53	0.53	0.53
	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
	0.89	0.87	0.85	0.83	0.79	0.76	0.72	0.69	0.65	0.91	0.89	0.88	0.86	0.83	0.78	0.74	0.69	0.65	0.92	0.92	0.91	0.89	0.87	0.83	0.77	0.71	0.65	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.0	0.0	0.0	0.0	0.0
19	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.44	0.5	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	0.94	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.6	0.6	0.6	0.6
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0
	0.09	0.12	0.15	0.18	0.21	0.24	0.27	0.29	0.31	0.09	0.11	0.14	0.16	0.19	0.22	0.24	0.27	0.29	0.09	0.11	0.13	0.15	0.18	0.2	0.22	0.24	0.27	0.0	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.0	0.0	0.0	0.0
20	0.38	0.44	0.44	0.44	0.44	0.44	0.44	0.5	0.56	0.44	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.56	0.5	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.94	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.67	0.67	0.67	0.67
	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0	0.0
	0.07	0.09	0.12	0.16	0.2	0.23	0.27	0.29	0.31	0.07	0.09	0.12	0.15	0.18	0.21	0.24	0.27	0.29	0.07	0.09	0.11	0.14	0.16	0.19	0.22	0.24	0.27	0.98	0.0	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.0	0.0	0.0	0.0
21	0.38	0.44	0.5	0.5	0.5	0.5	0.5	0.56	0.63	0.44	0.5	0.56	0.56	0.56	0.56	0.56	0.56	0.63	0.5	0.56	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.73	0.73	0.73	0.73
	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0
	0.05	0.07	0.09	0.13	0.18	0.22	0.27	0.3	0.32	0.06	0.07	0.09	0.12	0.16	0.2	0.23	0.27	0.29	0.06	0.07	0.09	0.12	0.15	0.18	0.21	0.24	0.27	0.98	0.98	0.0	0.42	0.42	0.42	0.42	0.42	0.42	0.0	0.0	0.0	0.0
22	0.38	0.44	0.5	0.56	0.56	0.56	0.56	0.63	0.69	0.44	0.5	0.56	0.63	0.63	0.63	0.63	0.63	0.69	0.5	0.56	0.63	0.69	0.69	0.69	0.69	0.69	0.69	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.8	0.8	0.8	0.8
	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.25	0.13	0.0	0.

Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
u^*_d and number *no.* = 00 .. 15
device hue text:
u^*_d = 16 hues *o00y, o25y, ..., m50o*
contrast reduction factor:
c_R = 1.0

ORS20_95a; adapted (a) CIELAB data

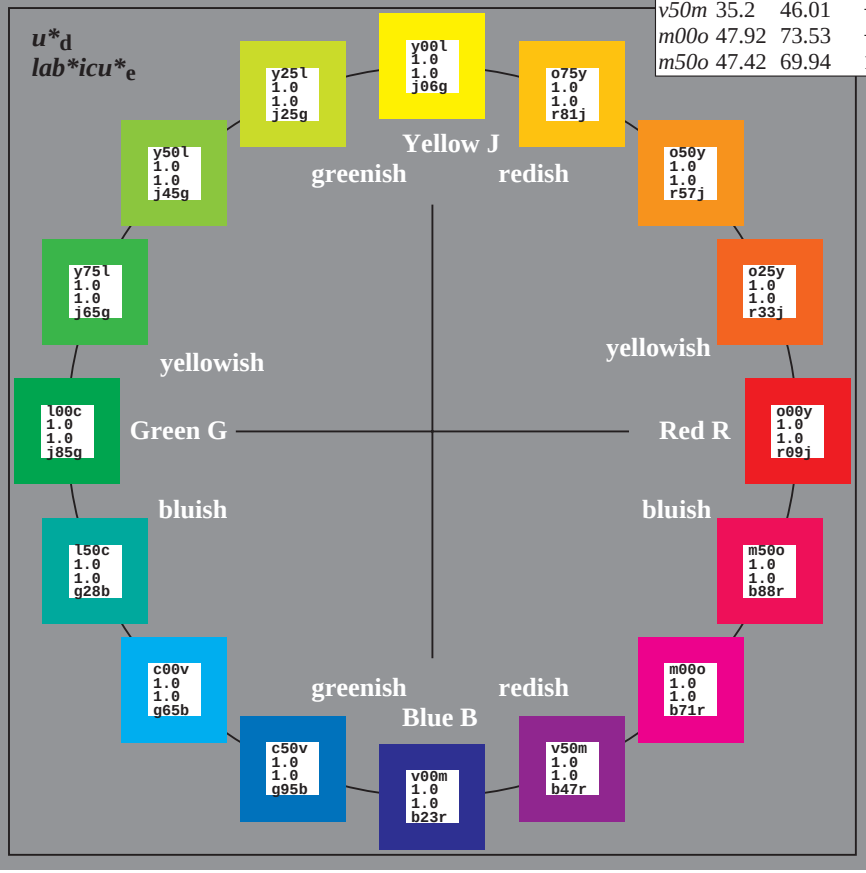
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

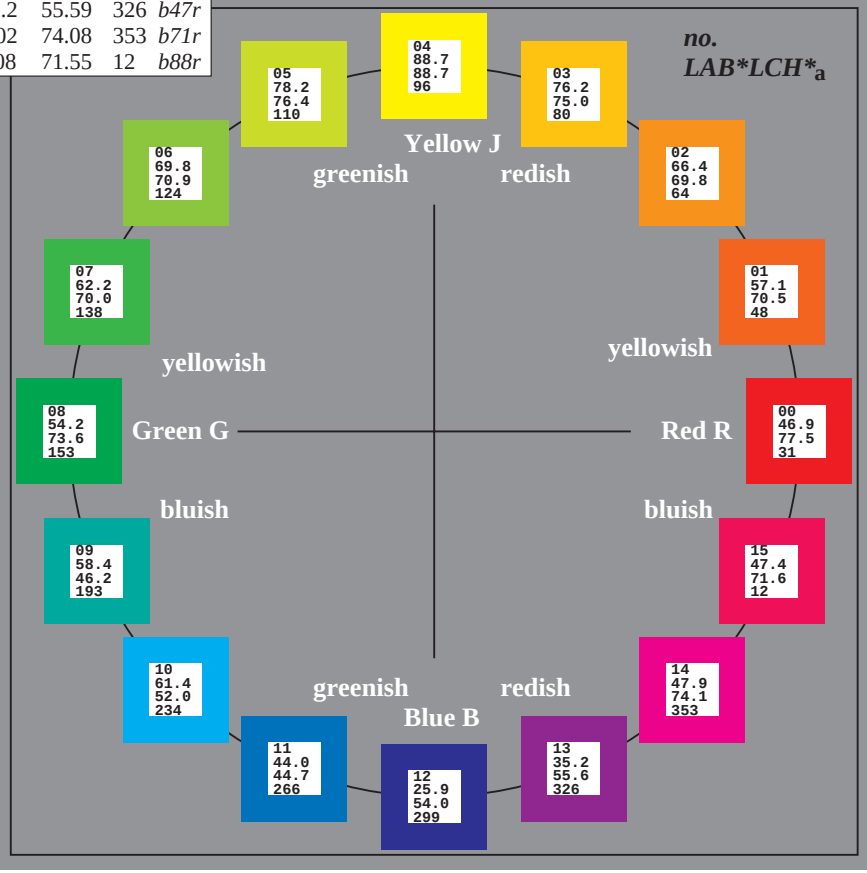


%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 67
$g^*_{C,rel}$ = 59

ORS20_95a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	−46.47	46.49	272





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$

data for any colour:

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

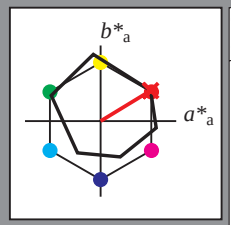
Hue texts:

u^*_d = *o00y* u^*_e = *r09j*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 47 66 40

*LAB*LCH**$_{Ma}$: 47 77 31

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

*lab*rgb**$_{Ma}$: 1.0 0.09 0.0

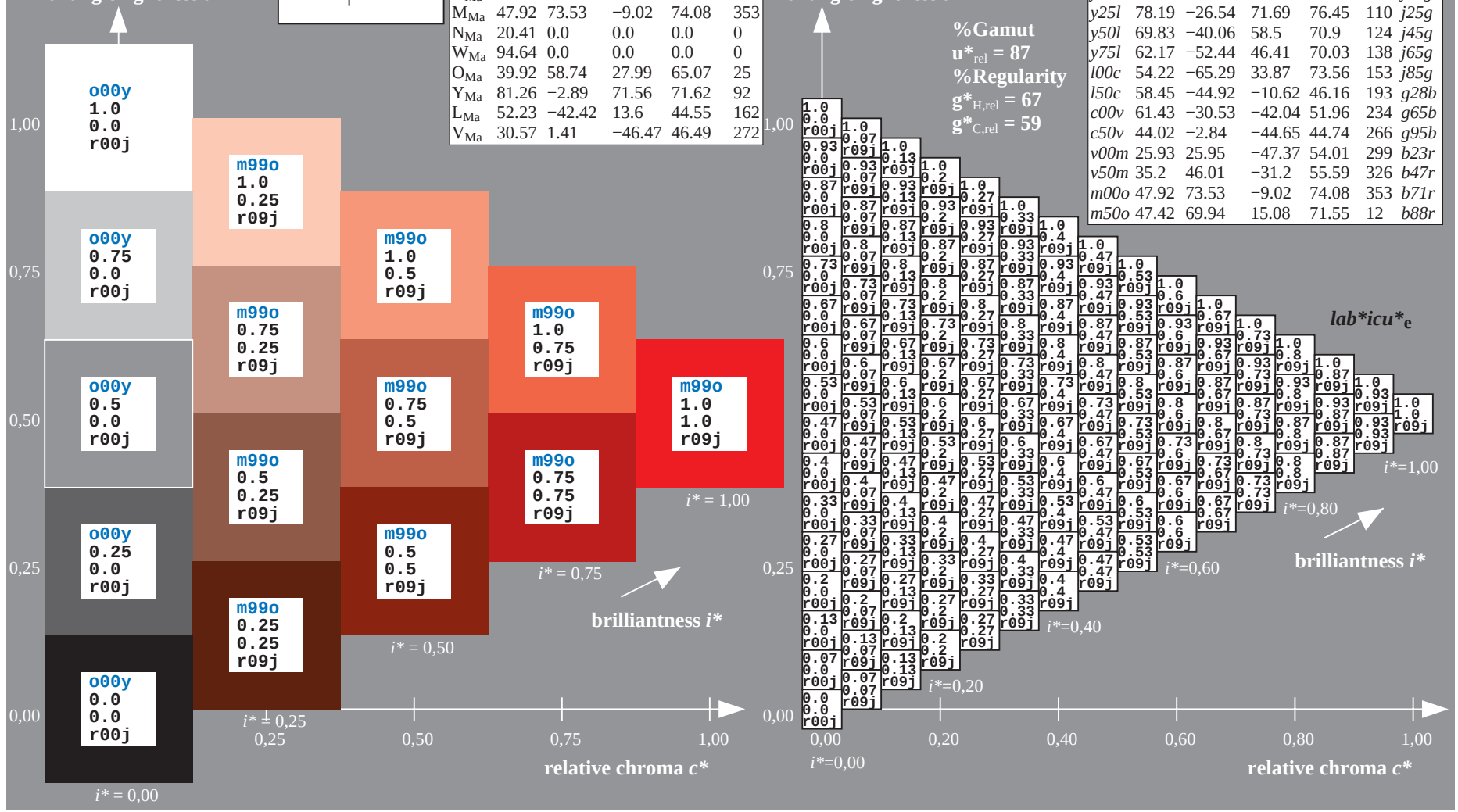
triangle lightness *t**

u^*_d = *o00y*

*lab*icu**$_e$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

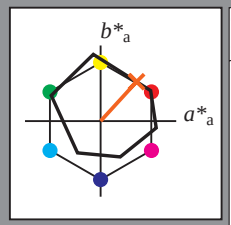
Hue texts:

u^*_d = *o25y* u^*_e = *r33j*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 57 48 52

*LAB*LCH**$_{Ma}$: 57 71 47

*lab*olv**$_{Ma}$: 1.0 0.25 0.0

*lab*rgb**$_{Ma}$: 1.0 0.33 0.0

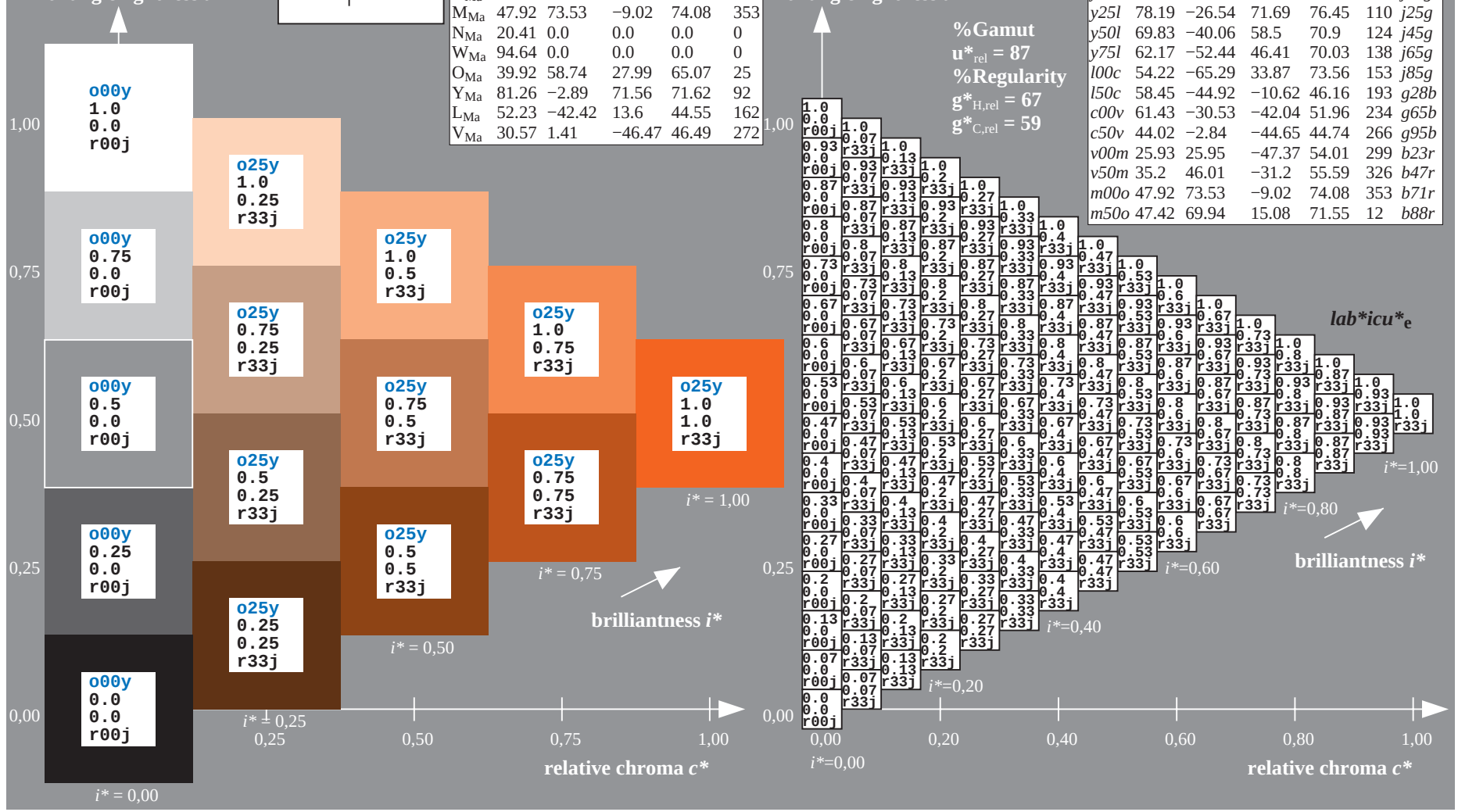
triangle lightness *t**

u^*_d = *o25y*

*lab*icu**$_e$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.177$

data for any colour:

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

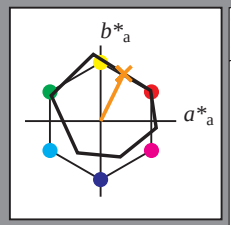
Hue texts:

u^*_d = *o50y* u^*_e = *r57j*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*$_{Ma}$*: 66 31 63**

***LAB*LCH*$_{Ma}$*: 66 70 63**

***lab*olv*$_{Ma}$*: 1.0 0.5 0.0**

***lab*rgb*$_{Ma}$*: 1.0 0.57 0.0**

triangle lightness *t**

%Gamut

u^*_{rel} = 87

%Regularity

$g^*_{H,rel}$ = 67

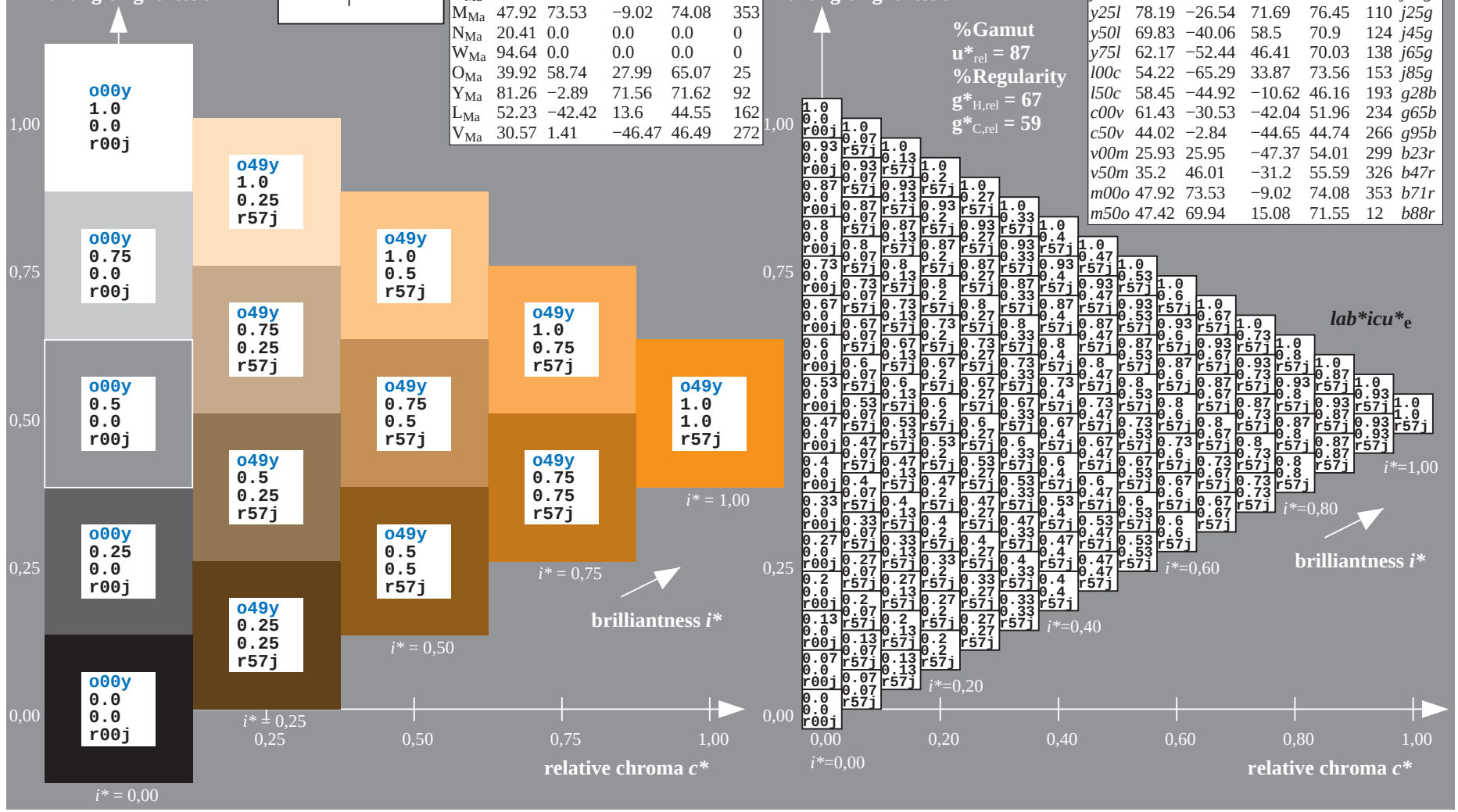
$g^*_{C,rel}$ = 59

u*$_d$ = o50y

lab*icu*$_e$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.222$

data for any colour:

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

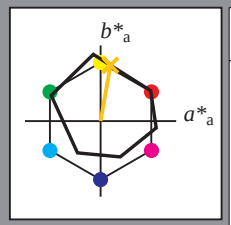
Hue texts:

u^*_d = *o75y* u^*_e = *r81j*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 76 13 74

*LAB*LCH**$_{Ma}$: 76 75 79

*lab*olv**$_{Ma}$: 1.0 0.75 0.0

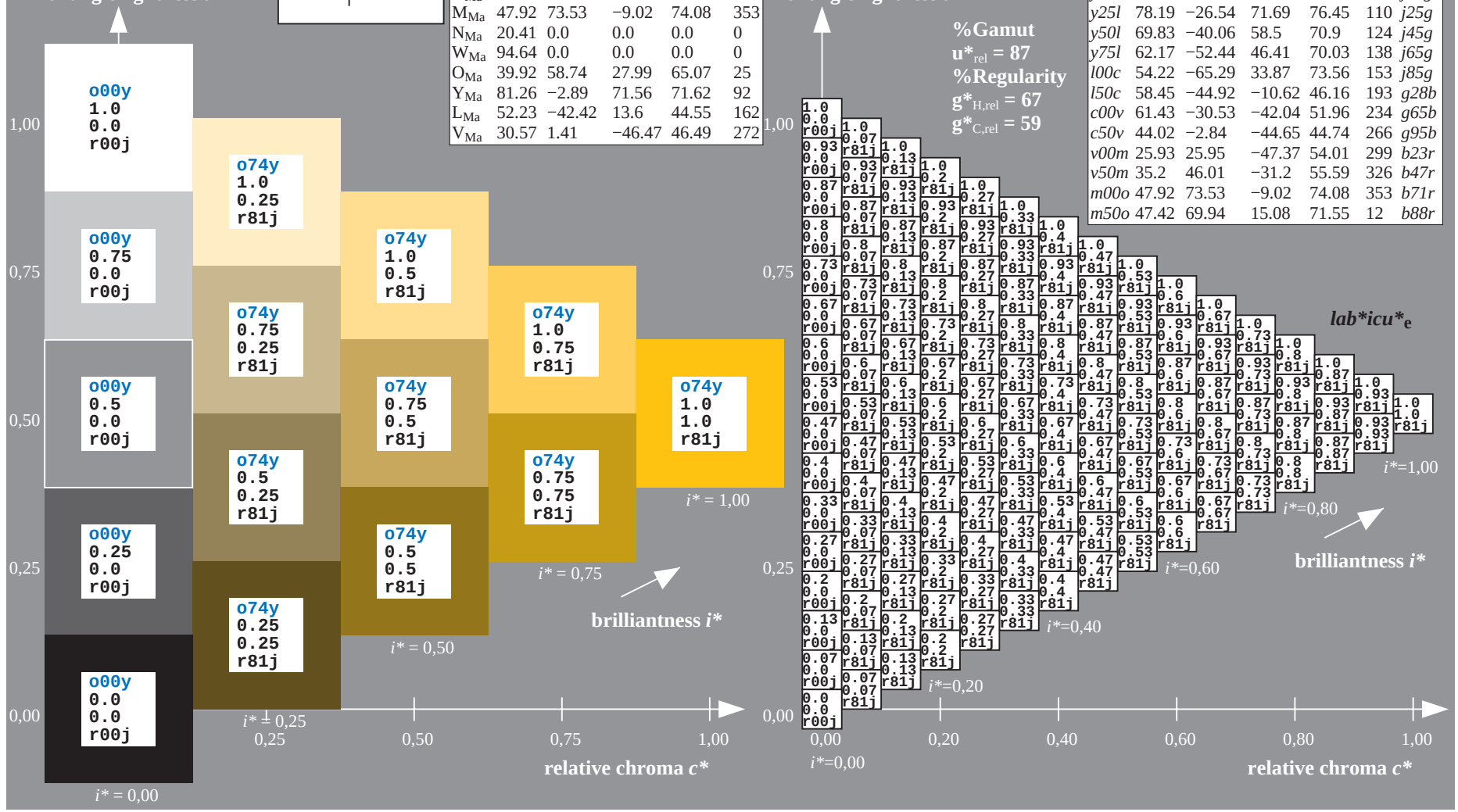
*lab*rgb**$_{Ma}$: 1.0 0.82 0.0

triangle lightness *t**

u^*_d = *o75y*
*lab*icu**$_e$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.267$

data for any colour:

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

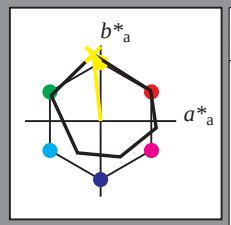
Hue texts:

u^*_d = *y00l* u^*_e = *j06g*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 89 −10 88

$LAB^*LCH^*_{Ma}$: 89 89 96

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

$lab^*rgb^*_{Ma}$: 0.94 1.0 0.0

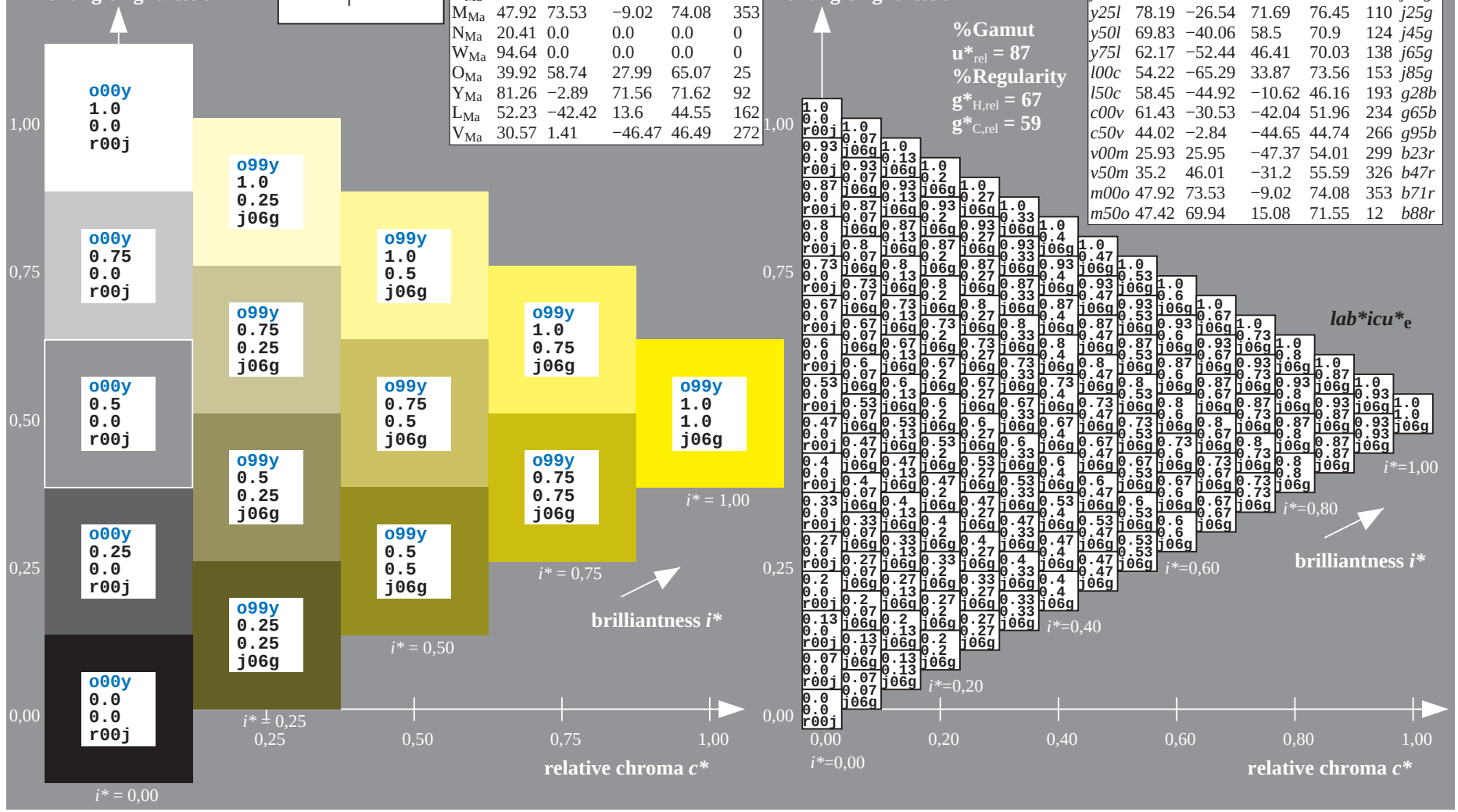
triangle lightness *t**

u^*_d = *y00l*

$lab^*icu^*_e$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.306$

data for any colour:

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

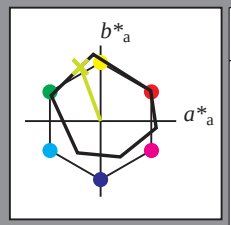
Hue texts:

$u^*_d = y25l$ $u^*_e = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 78 −27 72

*LAB*LCH**$_{Ma}$: 78 76 110

*lab*olv**$_{Ma}$: 0.75 1.0 0.0

*lab*rgb**$_{Ma}$: 0.74 1.0 0.0

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

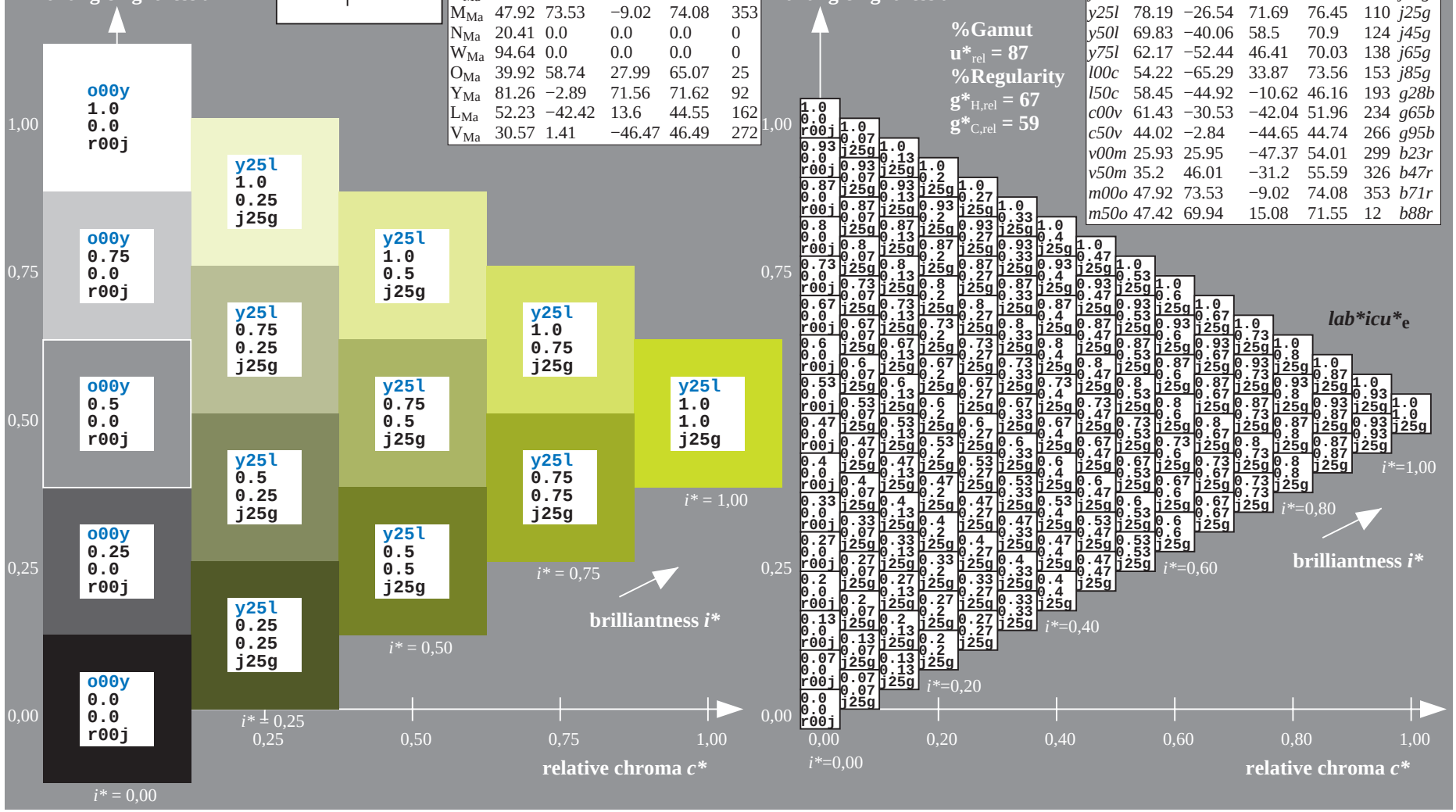
$g^*_{C,rel} = 59$

$u^*_d = y25l$

*lab*icu**$_e$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.346$

data for any colour:

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

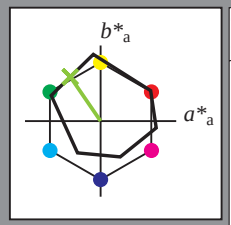
Hue texts:

$u^*_d = y50l$ $u^*_e = j45g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 70 −40 58

$LAB^*LCH^*_{Ma}$: 70 71 124

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

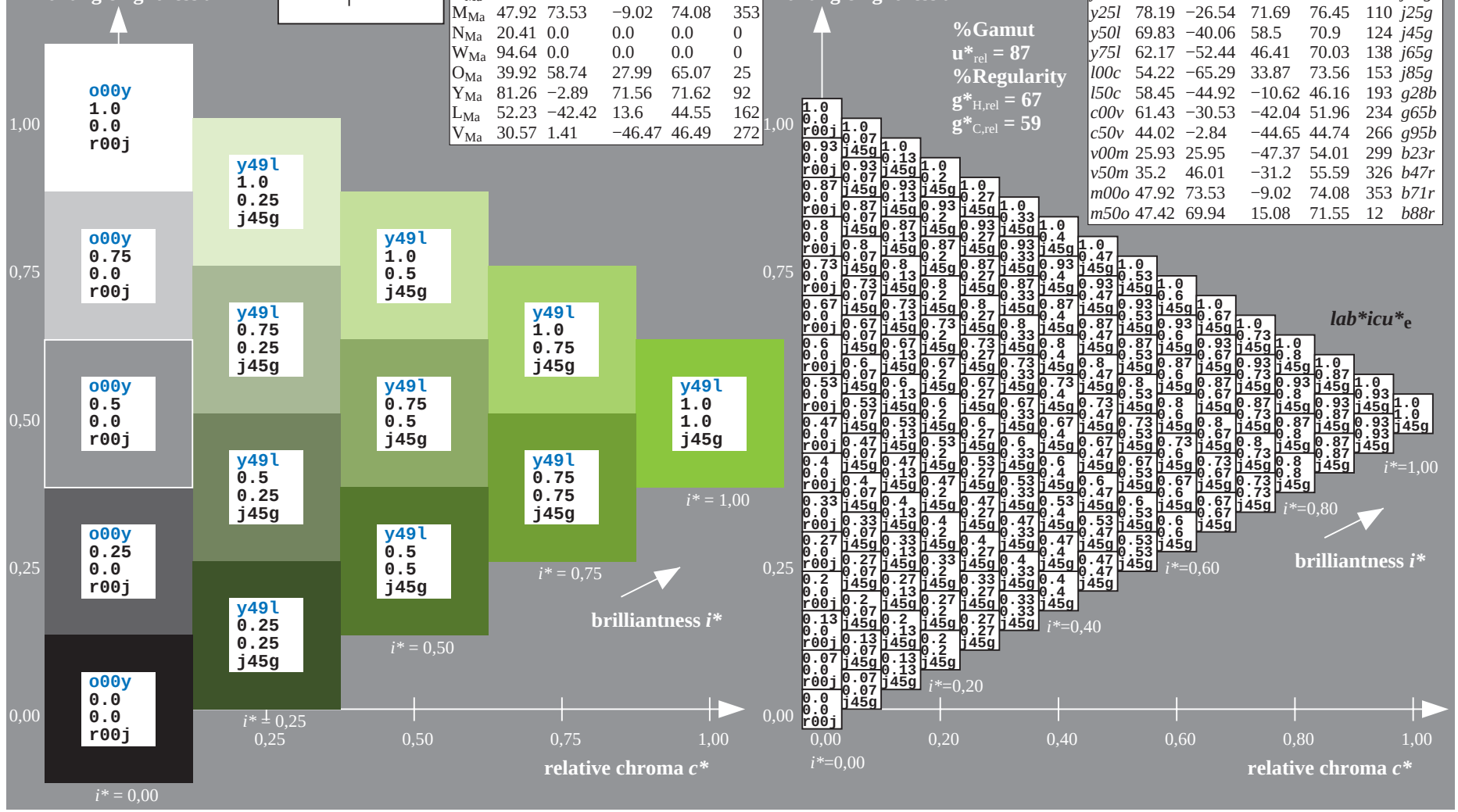
$lab^*rgb^*_{Ma}$: 0.54 1.0 0.0

triangle lightness *t**

$u^*_d = y50l$
$lab^*icu^*_e$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.385$

data for any colour:

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

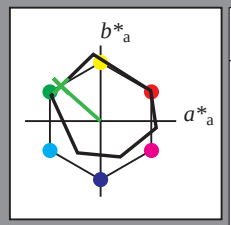
Hue texts:

$u^*_d = y75l$ $u^*_e = j65g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 62 −52 46**

***LAB*LCH**$_{Ma}$: 62 70 138**

***lab*olv**$_{Ma}$: 0.25 1.0 0.0**

***lab*rgb**$_{Ma}$: 0.34 1.0 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

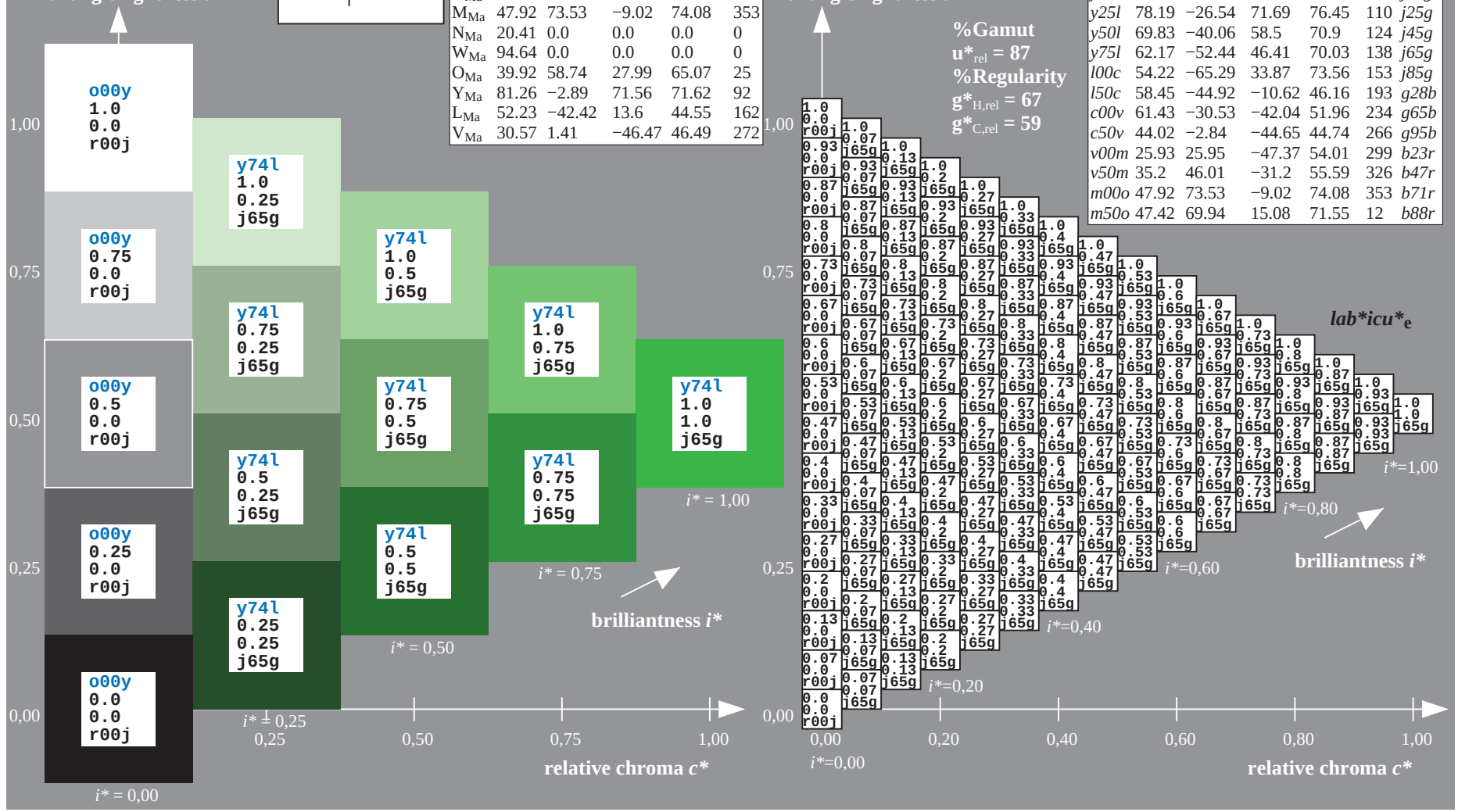
$g^*_{C,rel} = 59$

$u^*_d = y75l$

$lab^*icu^*_e$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.424$

data for any colour:

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

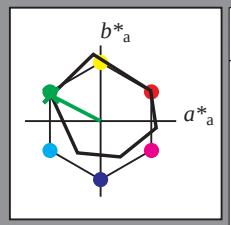
Hue texts:

u^*_d = *l00c* u^*_e = *j85g*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 54 −65 34

*LAB*LCH**$_{Ma}$: 54 74 152

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

*lab*rgb**$_{Ma}$: 0.14 1.0 0.0

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

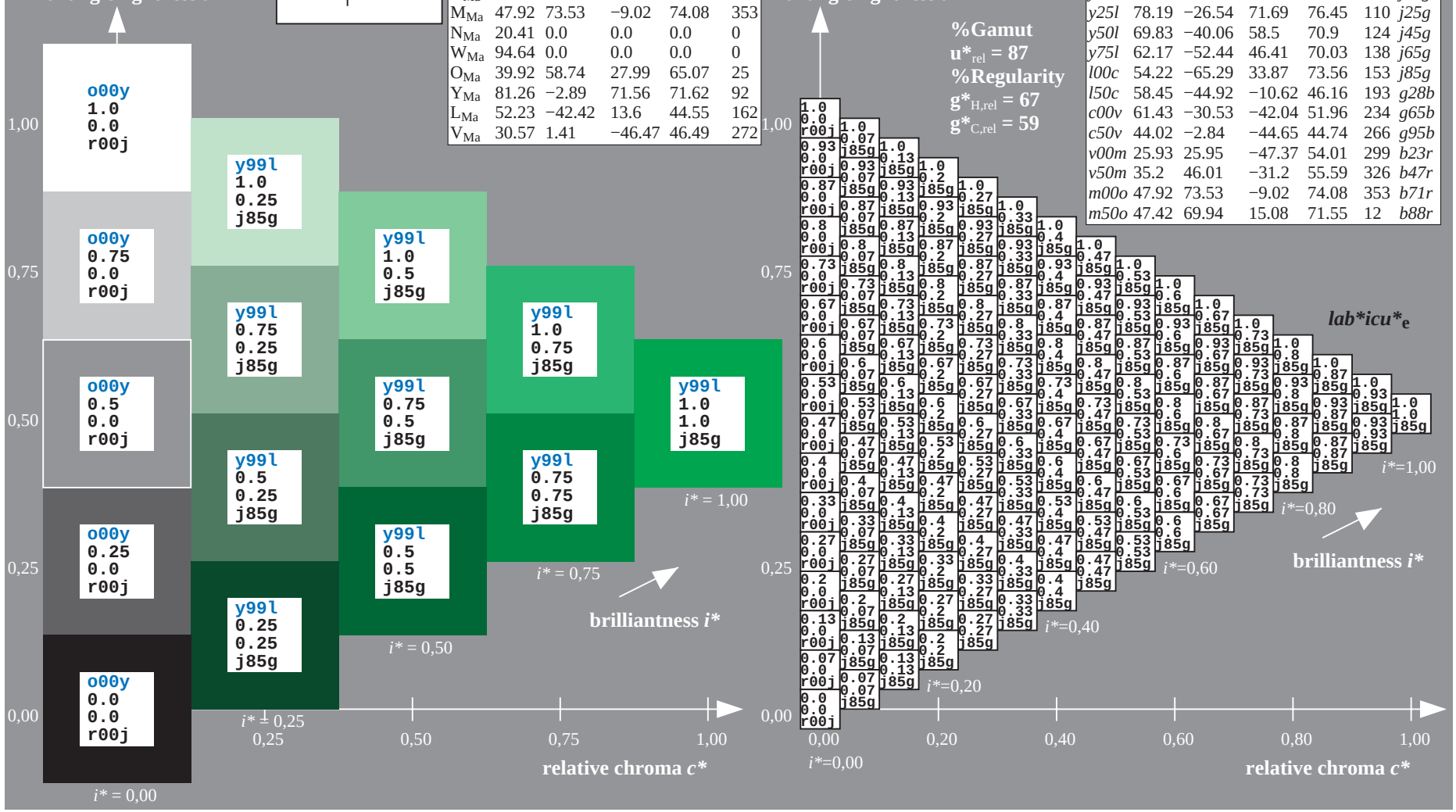
$g^*_{C,rel} = 59$

u^*_d = *l00c*

*lab*icu**$_e$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.537$

data for any colour:

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

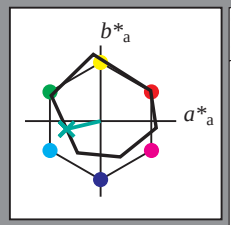
Hue texts:

u^*_d = *l50c* u^*_e = *g28b*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 58 −45 −11

*LAB*LCH**$_{Ma}$: 58 46 193

*lab*olv**$_{Ma}$: 0.0 1.0 0.5

*lab*rgb**$_{Ma}$: 0.0 1.0 0.57

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

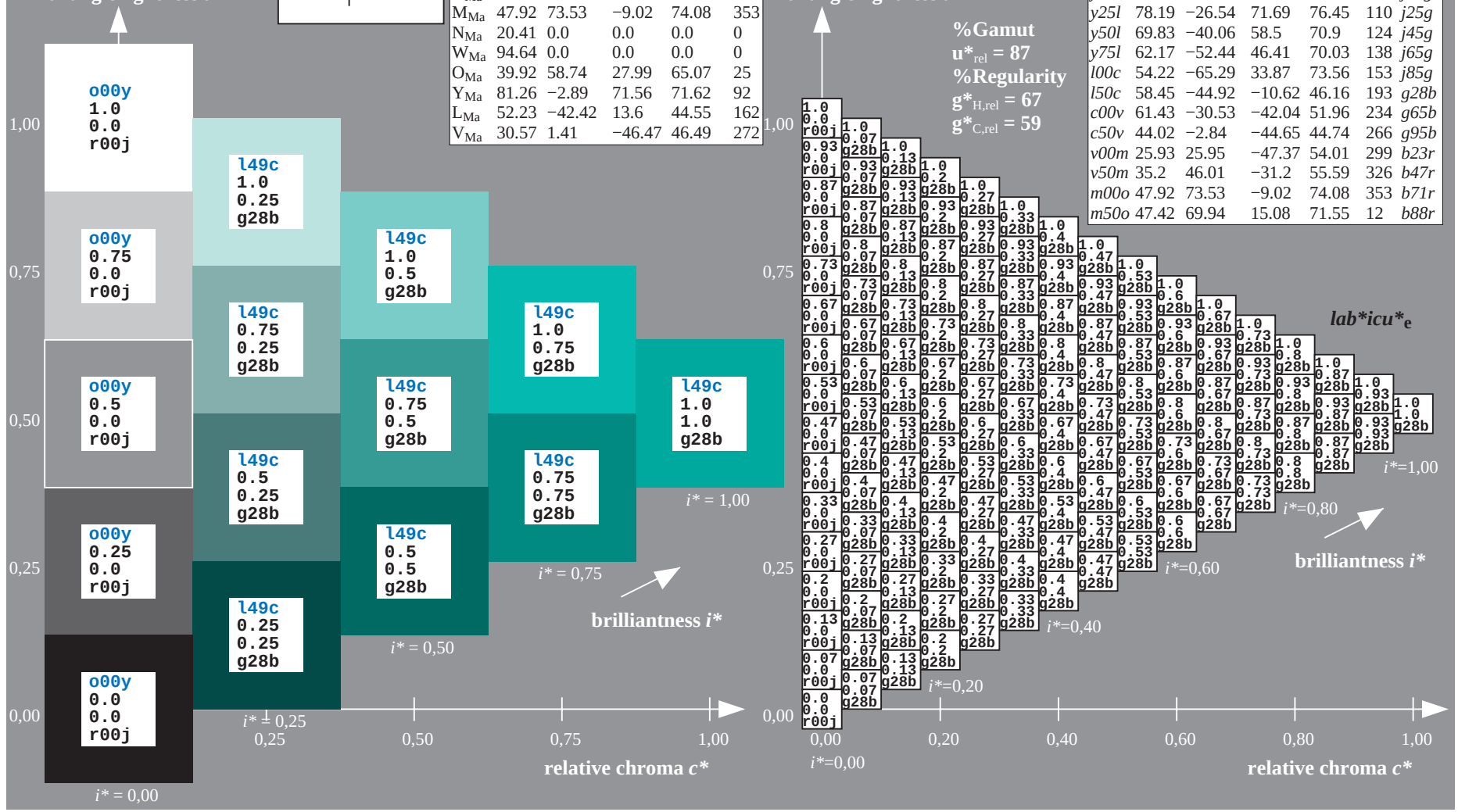
$g^*_{C,rel} = 59$

u^*_d = *l50c*

*lab*icu**$_e$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.65$

data for any colour:

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

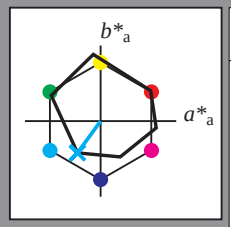
Hue texts:

$u^*_d = c00v$ $u^*_e = g65b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 61 −31 −42

*LAB*LCH**$_{Ma}$: 61 52 234

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

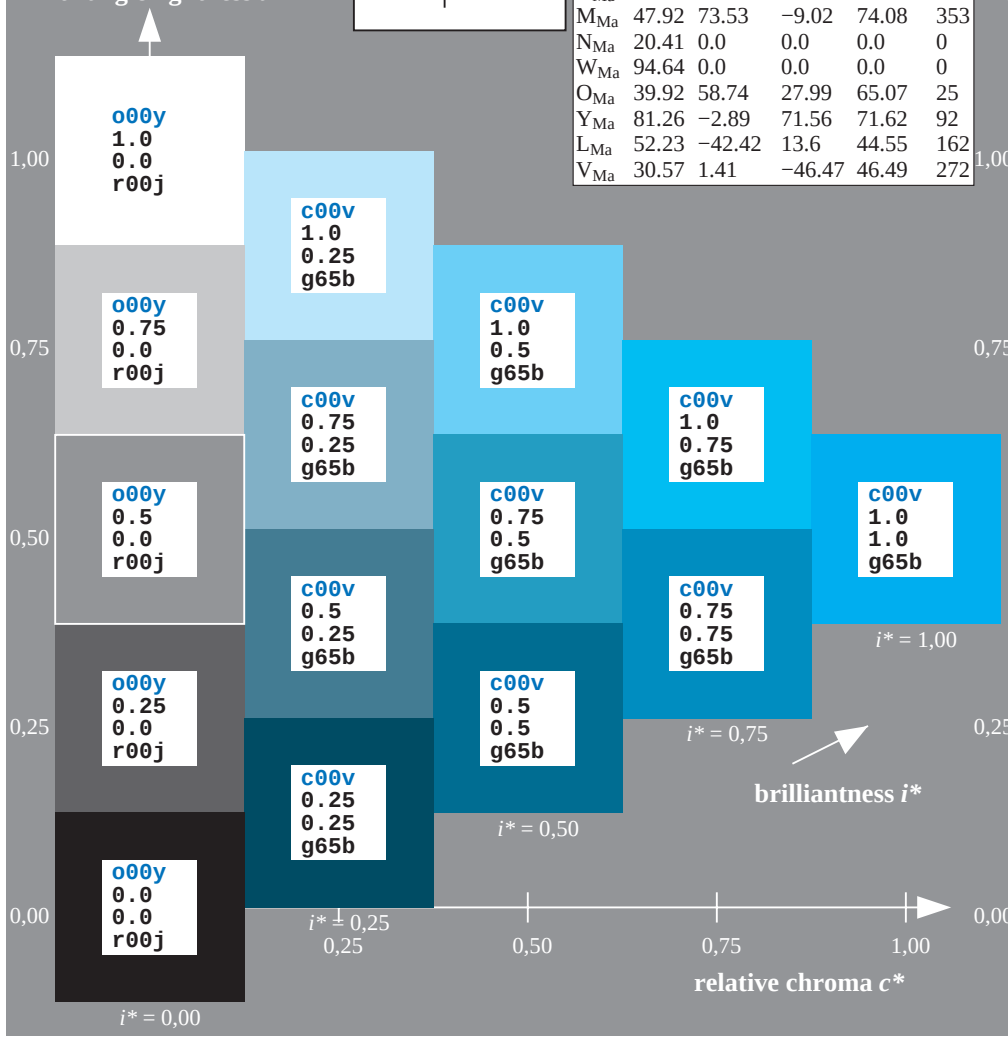
*lab*rgb**$_{Ma}$: 0.0 0.69 1.0

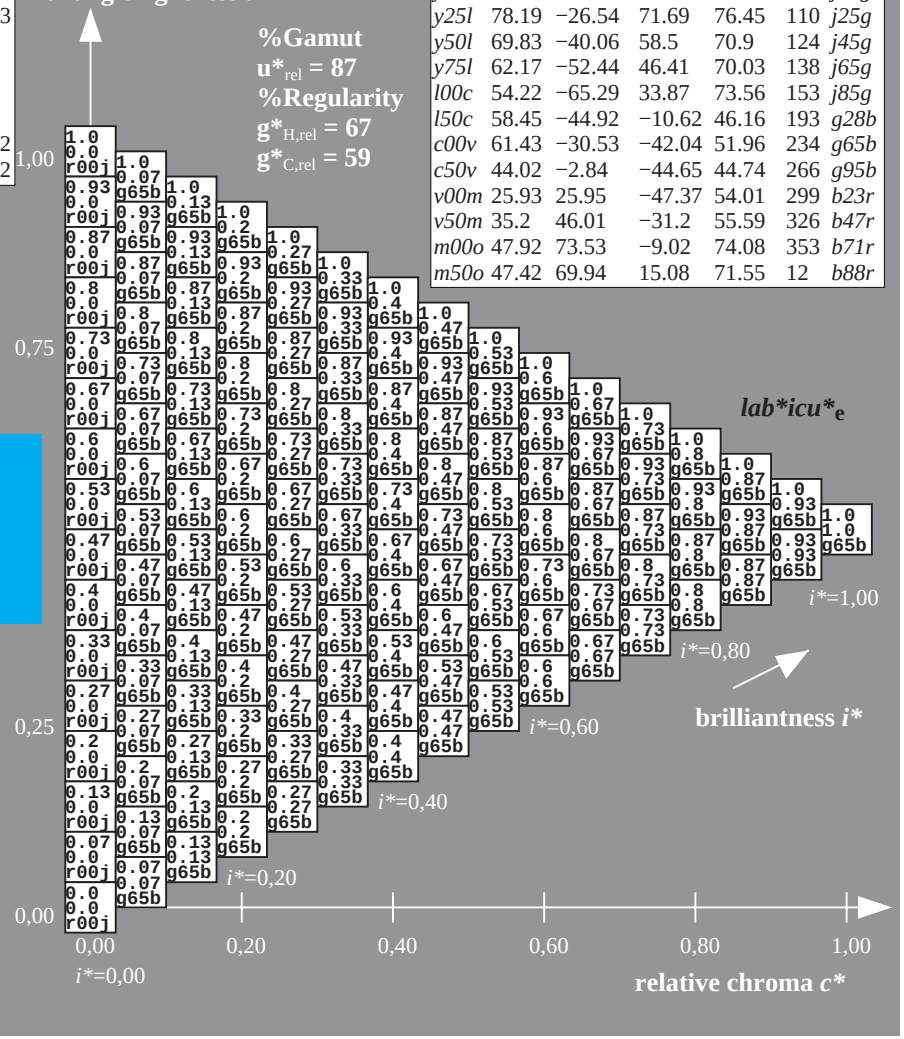
triangle lightness *t**

$u^*_d = c00v$
*lab*icu**$_e$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.74$

data for any colour:

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

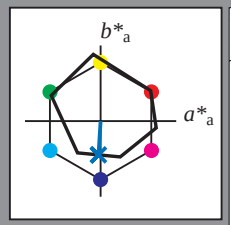
Hue texts:

$u^*_d = c50v$ $u^*_e = g95b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 44 −3 −45**

***LAB*LCH*Ma*: 44 45 266**

***lab*olv*Ma*: 0.0 0.5 1.0**

***lab*rgb*Ma*: 0.0 0.1 1.0**

triangle lightness *t**

$u^*_d = c50v$

$lab^*icu^*_e$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

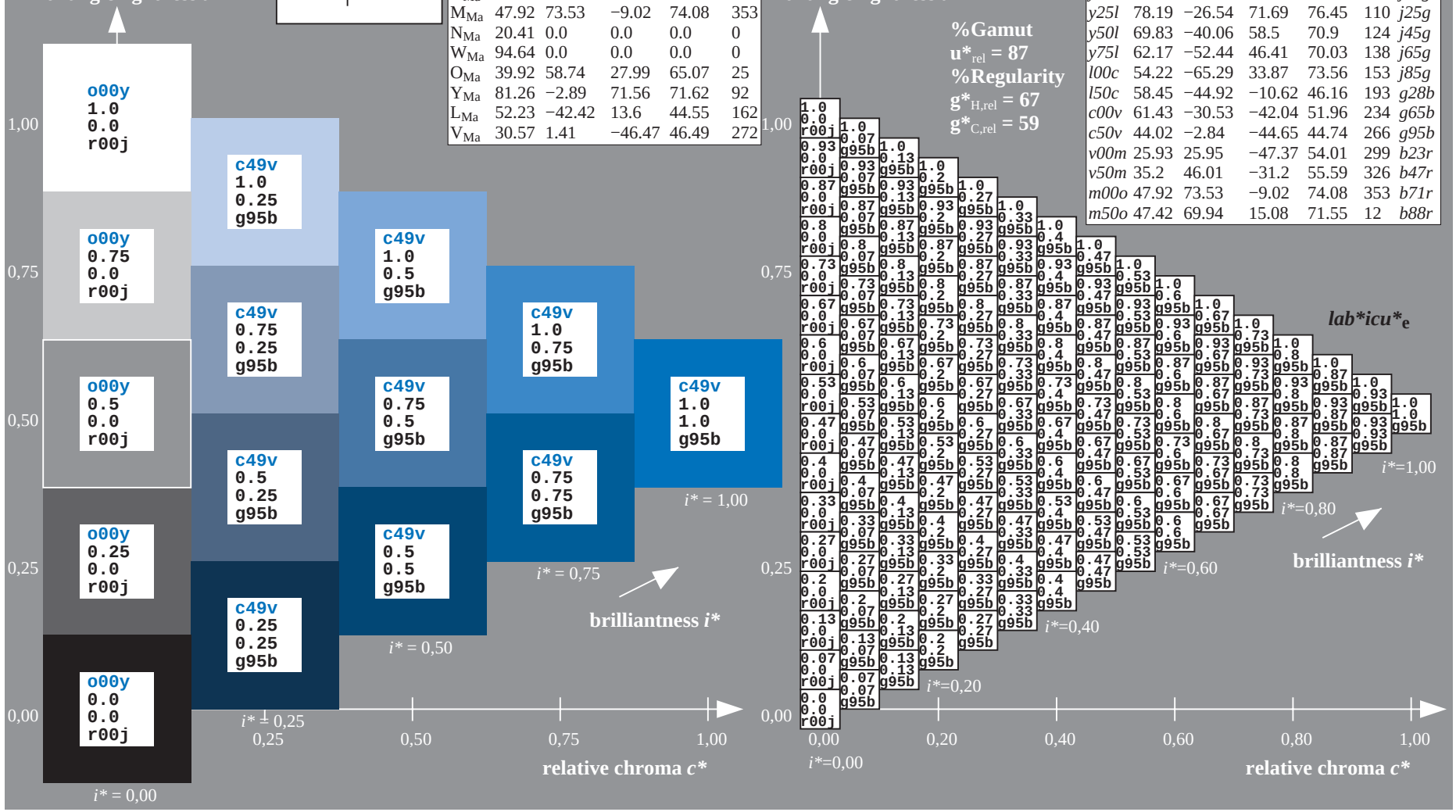
%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.83$

data for any colour:

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

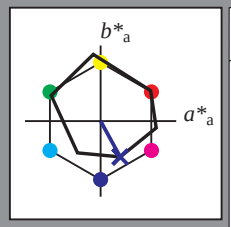
Hue texts:

u^*_d = *v00m* u^*_e = *b23r*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 26 26 −47

*LAB*LCH**$_{Ma}$: 26 54 298

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

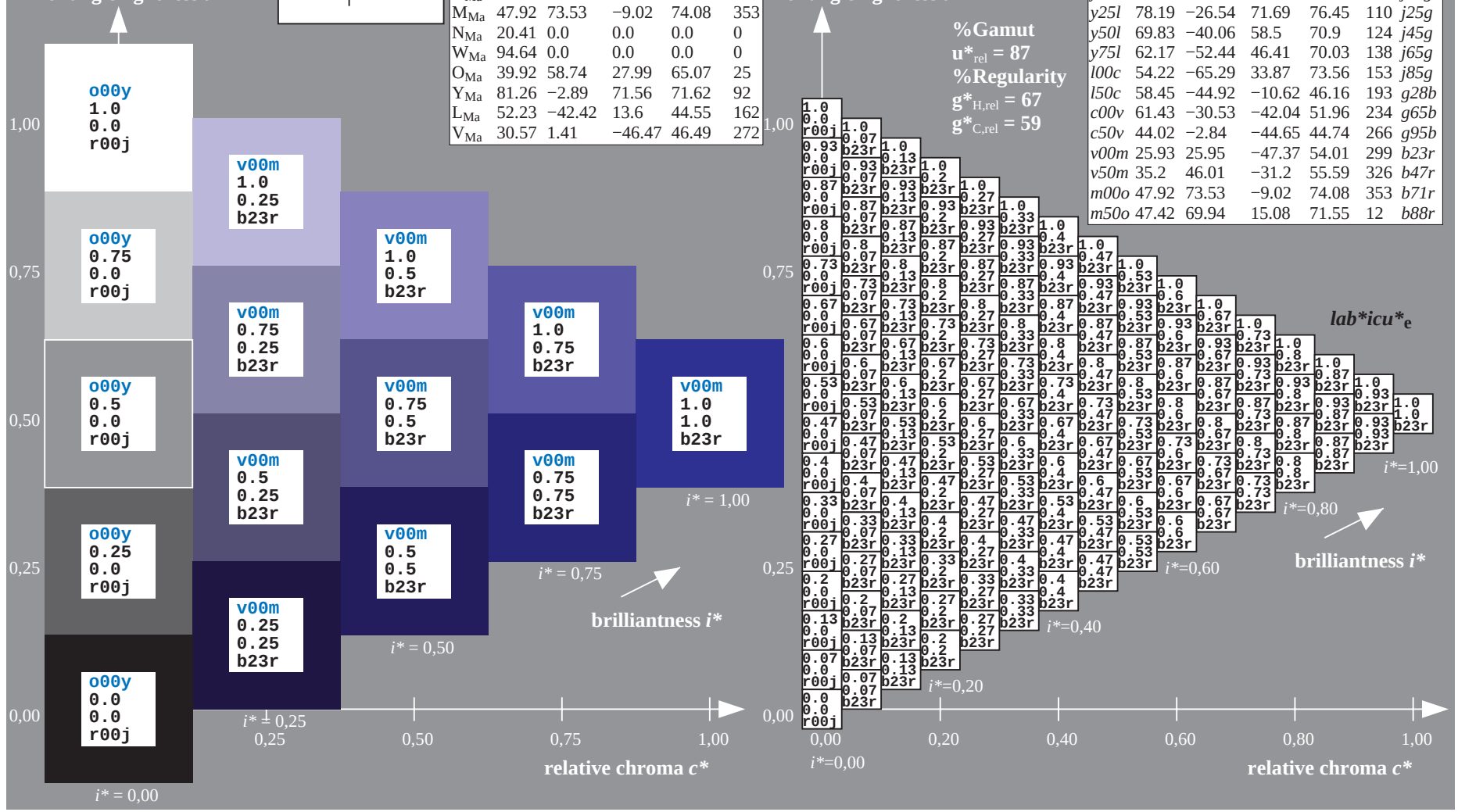
*lab*rgb**$_{Ma}$: 0.47 0.0 1.0

triangle lightness *t**

u^*_d = *v00m*
*lab*icu**$_e$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.905$

data for any colour:

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

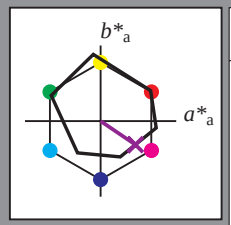
Hue texts:

u^*_d = *v50m* u^*_e = *b47r*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 35 46 −31

*LAB*LCH**$_{Ma}$: 35 56 325

*lab*olv**$_{Ma}$: 0.5 0.0 1.0

*lab*rgb**$_{Ma}$: 0.95 0.0 1.0

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

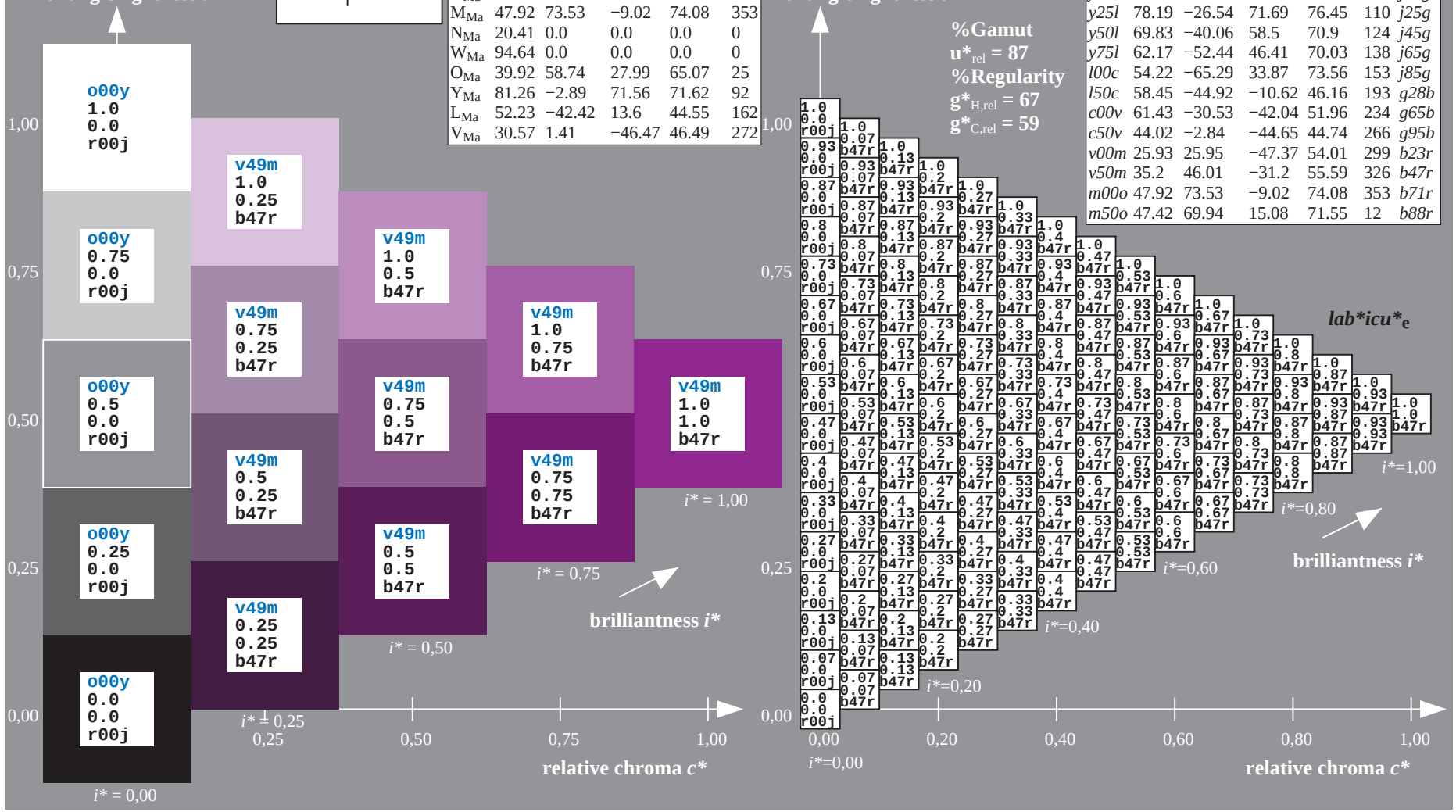
$g^*_{C,rel} = 59$

u^*_d = *v50m*

*lab*icu**$_e$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.981$

data for any colour:

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

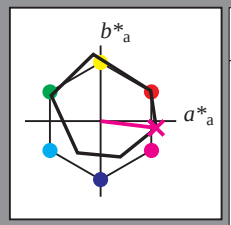
Hue texts:

u^*_d = *m00o* u^*_e = *b71r*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

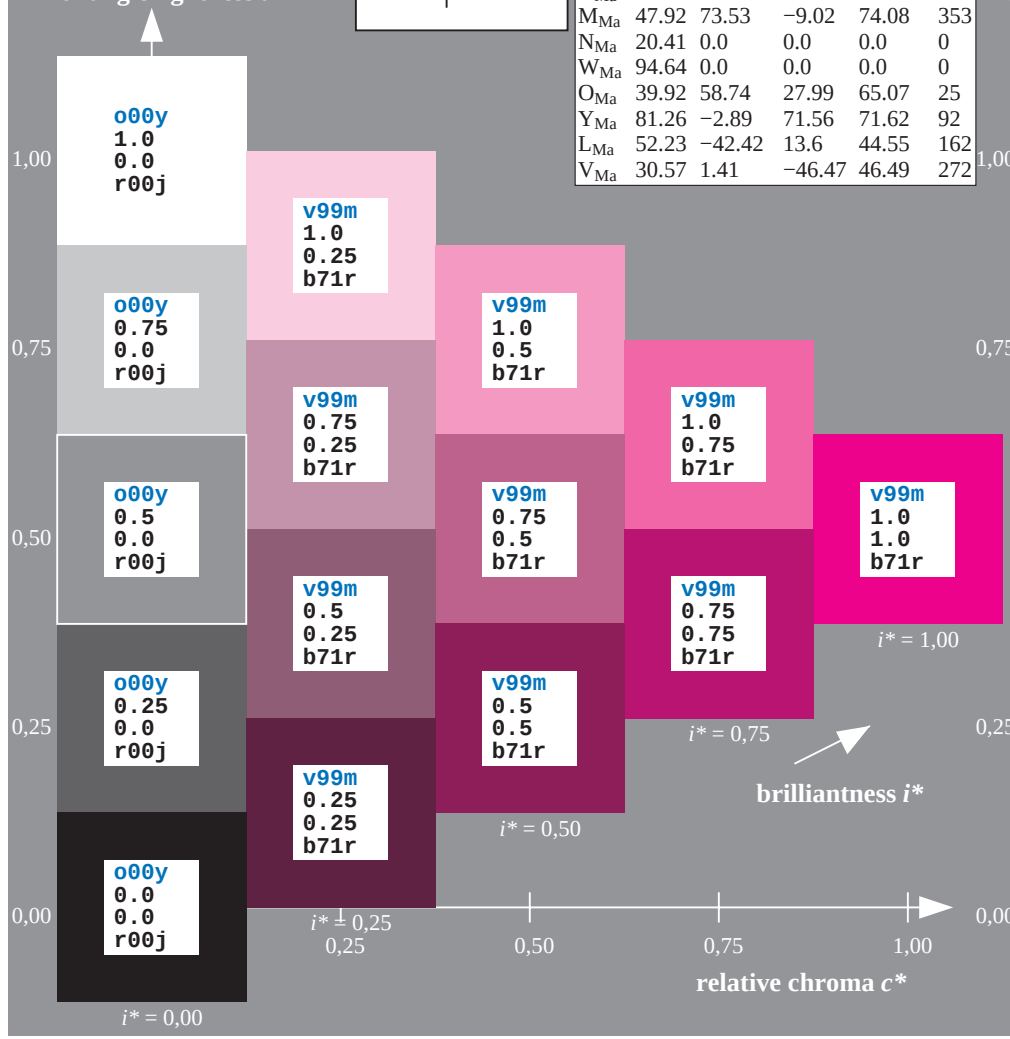
*LAB*LAB**$_{Ma}$: 48 74 −9

*LAB*LCH**$_{Ma}$: 48 74 353

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

*lab*rgb**$_{Ma}$: 1.0 0.0 0.57

triangle lightness *t**



%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

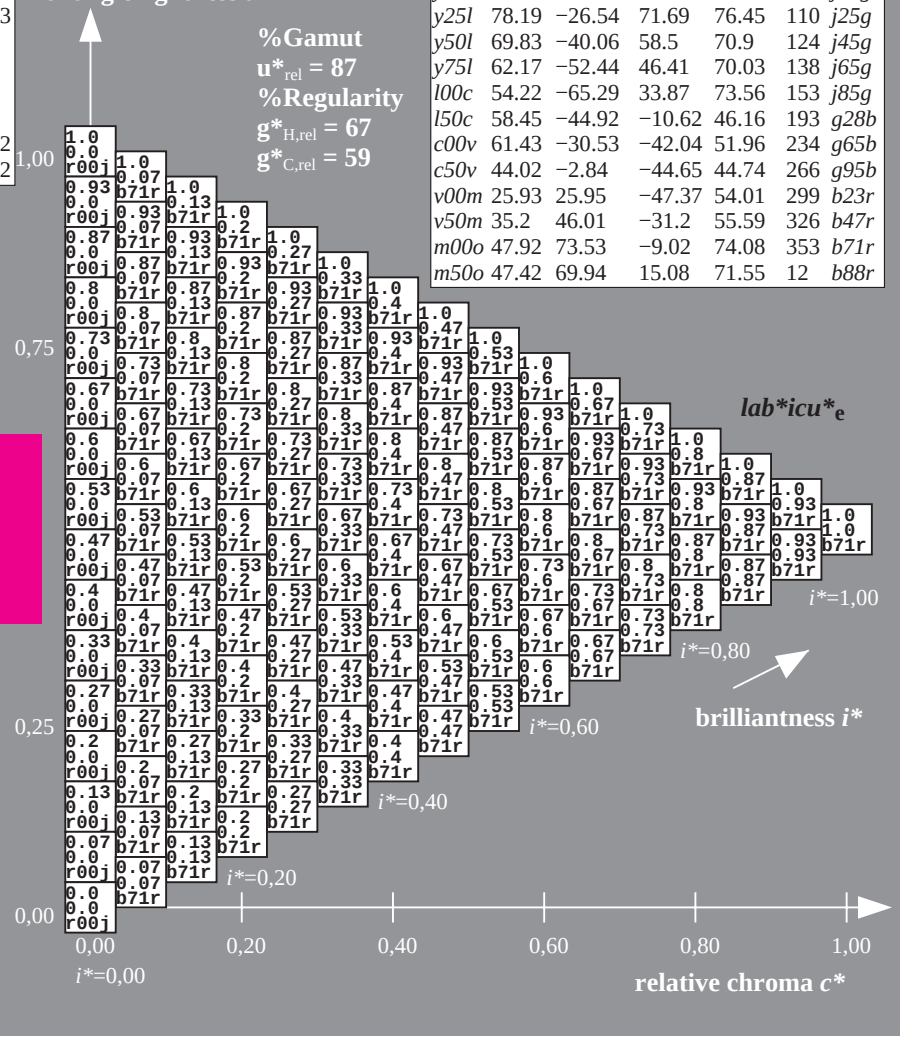
$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

u^*_d = *m00o*

*lab*icu**$_e$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.034$

data for any colour:

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

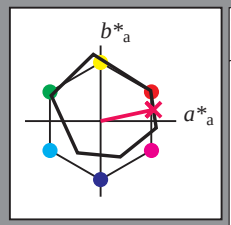
Hue texts:

u^*_d = *m50o* u^*_e = *b88r*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	46.89	66.19	40.28	77.48	31
Y_{Ma}	88.66	−9.62	88.21	88.73	96
L_{Ma}	54.22	−65.29	33.87	73.56	153
C_{Ma}	61.43	−30.53	−42.04	51.96	234
V_{Ma}	25.93	25.95	−47.37	54.01	299
M_{Ma}	47.92	73.53	−9.02	74.08	353
N_{Ma}	20.41	0.0	0.0	0.0	0
W_{Ma}	94.64	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 47 70 15

*LAB*LCH**$_{Ma}$: 47 72 12

*lab*olv**$_{Ma}$: 1.0 0.0 0.5

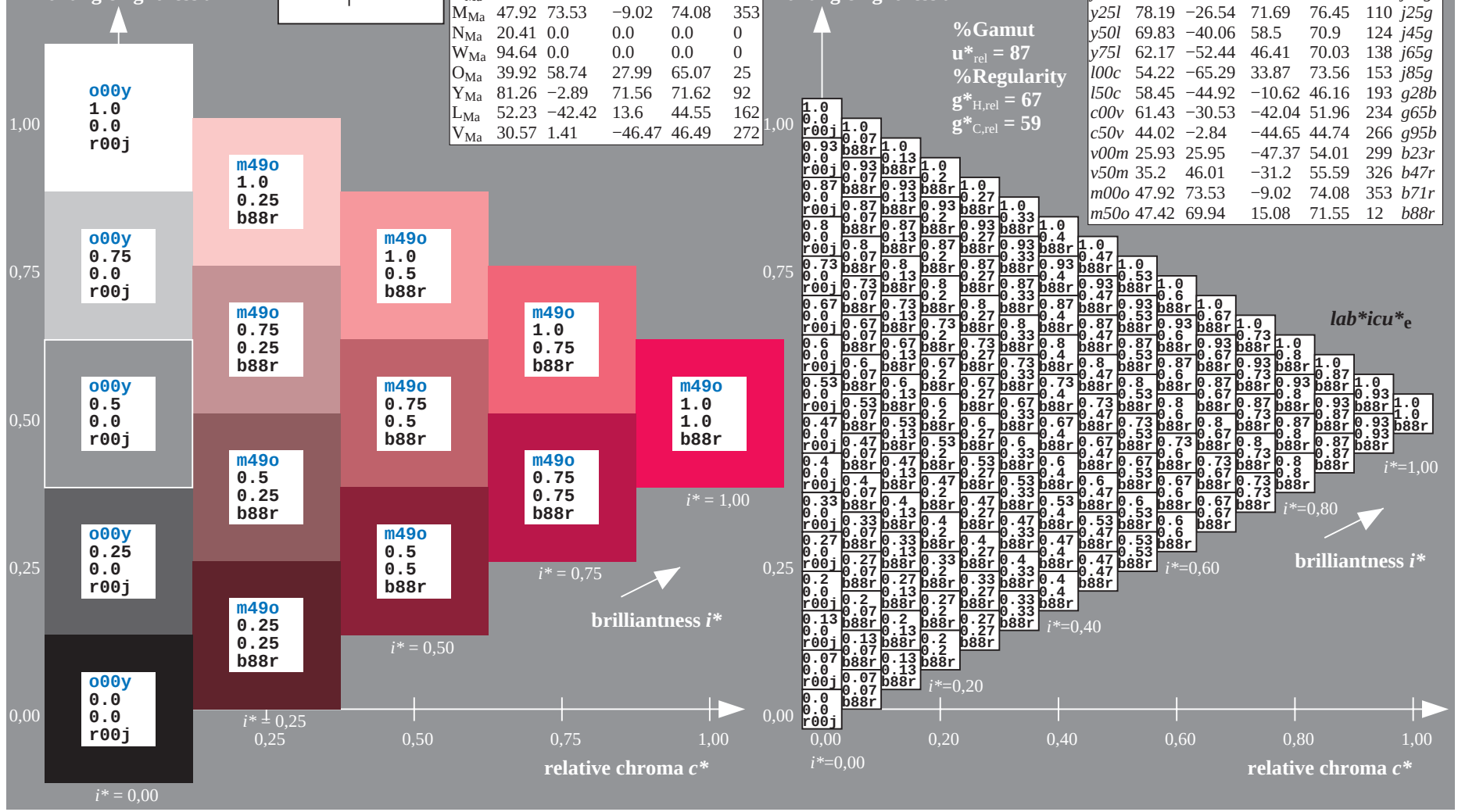
*lab*rgb**$_{Ma}$: 1.0 0.0 0.23

triangle lightness *t**

u^*_d = *m50o*
*lab*icu**$_e$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

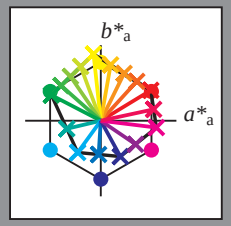


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	*lab*icu*e*			
01	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0
	r00j	j85g	j85g	j85g	j85g	j85g	j85g	j85g	j85g	r09j	j06g	j45g	j59g	j65g	j69g	j72g	j74g	j75g	r09j	r57j	j06g	j32g	j45g	j53g	j59g	j63g	j65g	r00j	r09j	r09j	r09j	r09j	r09j	r09j	r09j	r09j	r00j	r00j	r00j	r00j
02	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.13	0.13	0.13
	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0	0.0
	b23r	g65b	g28b	g16b	g10b	g06b	g04b	g02b	g00b	b71r	r00j	j85g	j85g	j85g	j85g	j85g	j85g	j85g	b88r	r09j	j06g	j45g	j59g	j65g	j69g	j72g	j74g	g65b	r00j	r09j	r09j	r09j	r09j	r09j	r09j	r09j	r00j	r00j	r00j	r00j
03	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.25	0.25	0.25
	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0
	b23r	g95b	g65b	g40b	g28b	g21b	g16b	g12b	g10b	b47r	b23r	g65b	g28b	g16b	g10b	g06b	g04b	g02b	b71r	b71r	r00j	j85g	j85g	j85g	j85g	j85g	j85g	g65b	g65b	r00j	r09j	r09j	r09j	r09j	r09j	r09j	r00j	r00j	r00j	r00j
04	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38
	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.0	0.0	0.0	0.0
	b23r	b05r	g85b	g65b	g46b	g35b	g28b	g23b	g19b	b39r	b23r	g95b	g65b	g40b	g28b	g21b	g16b	g12b	b55r	b47r	b23r	g65b	g28b	g16b	g10b	g06b	g04b	g65b	g65b	g65b	r00j	r09j	r09j	r09j	r09j	r09j	r00j	r00j	r00j	r00j
05	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.38	0.38	0.38	0.5	0.63	0.75	0.88	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.0	0.0	0.0	0.0	0.0
	b23r	b09r	g95b	g80b	g65b	g51b	g40b	g33b	g28b	b35r	b23r	b05r	g85b	g65b	g46b	g35b	g28b	g23b	b47r	b39r	b23r	g95b	g65b	g40b	g28b	g21b	g16b	g65b	g65b	g65b	g65b	r00j	r09j	r09j	r09j	r09j	r00j	r00j	r00j	r00j
06	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.63	0.63	0.63	0.63
	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.0	0.0	0.0	0.0
	b23r	b12r	b01r	g89b	g77b	g65b	g53b	g44b	g37b	b33r	b23r	b09r	g95b	g80b	g65b	g51b	g40b	g33b	b42r	b35r	b23r	b05r	g85b	g65b	g46b	g35b	g28b	g65b	g65b	g65b	g65b	g65b	g65b	r00j	r09j	r09j	r00j	r00j	r00j	r00j
07	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.75	0.75	0.75	0.75
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.0	0.0	0.0	0.0	0.0
	b23r	b14r	b05r	g95b	g85b	g75b	g65b	g55b	g46b	b31r	b23r	b12r	b01r	g89b	g77b	g65b	g53b	g44b	b39r	b33r	b23r	b09r	g95b	g80b	g65b	g51b	g40b	g65b	g65b	g65b	g65b	g65b	g65b	r00j	r09j	r09j	r00j	r00j	r00j	r00j
08	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.88	0.88	0.88	0.88
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.0	0.0	0.0	0.0
	b23r	b15r	b07r	g99b	g90b	g82b	g74b	g65b	g56b	b30r	b23r	b14r	b05r	g95b	g85b	g75b	g65b	g55b	b37r	b31r	b23r	b12r	b01r	g89b	g77b	g65b	g53b	g65b	g65b	g65b	g65b	g65b	g65b	g65b	r00j	r09j	r00j	r00j	r00j	r00j
09	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
	b23r	b16r	b09r	b02r	g95b	g87b	g80b	g73b	g65b	b29r	b23r	b15r	b07r	g99b	g90b	g82b	g74b	g65b	b35r	b30r	b23r	b14r	b05r	g95b	g85b	g75b	g65b	g65b	g65b	g65b	g65b	g65b	g65b	g65b	r00j	r00j	r00j	r00j	r00j	r00j
10	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0
	r09j	r41j	r73j	j06g	j25g	j37g	j45g	j51g	j55g	r09j	r33j	r57j	r81j	j06g	j21g	j32g	j40g	j45g	r09j	r28j	r47j	r66j	r86j	j06g	j19g	j28g	j35g	r00j	j06g	j06g	j06g	j06g	j06g	j06g	j06g	j06g	r00j	r00j	r00j	r00j
11	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.07	0.07	0.07	0.07
	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0	0.0
	b93r	r09j	r57j	j06g	j32g	j45g	j53g	j59g	j63g	b96r	r09j	r41j	r73j	j06g	j25g	j37g	j45g	j51g	b98r	r09j	r33j	r57j	r81j	j06g	j21g	j32g	j40g	b23r	r00j	j06g	j06g	j06g	j06g	j06g	j06g	j06g	r00j	r00j	r00j	r00j
12	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.13	0.13	0.13	0.13
	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0
	b82r	b88r	r09j	j06g	j45g	j59g	j65g	j69g	j72g	b88r	b93r	r09j	r57j	j06g	j32g	j45g	j53g	j59g	b91r	b96r	r09j	r41j	r73j	j06g	j25g	j37g	j45g	b23r	b23r	r00j	j06g	j06g	j06g	j06g	j06g	j06g	r00j	r00j	r00j	r00j
13	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.2	0.2	0.2	0.2
	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.0	0.0	0.0	0.0
	b71r	b71r	b71r	r00j	j85g	j85g	j85g	j85g	j85g	b80r	b82r	b88r	r09j	j06g	j45g	j59g	j65g	j69g	b85r	b88r	b93r	r09j	r57j	j06g	j32g	j45g	j53g	b23r	b23r	b23r	r00j	j06g	j06g	j06g	j06g	j06g	r00j	r00j	r00j	r00j
14	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.27	0.27	0.27	0.27
	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.0	0.0	0.0	0.0
	b59r	b55r	b47r	b23r	g65b	g28b	g16b	g10b	g06b	b71r	b71r	b71r	b71r	r00j	j85g	j85g	j85g	j85g	b78r	b80r	b82r	b88r	r09j	j06g	j45g	j59g	j65g	b23r	b23r	b23r	r00j	j06g	j06g	j06g	j06g	j06g	r00j	r00j	r00j	r00j
15	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.33	0.33	0.33	0.33
	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.0	0.0	0.0	0.0
	b52r	b47r	b39r	b23r	g95b	g65b	g40b	g28b	g21b	b62r	b59r	b55r	b47r	b23r	g65b	g28b	g16b	g10b	b71r	b71r	b71r	b71r	b71r	r00j	j85g	j85g	j85g	b23r	b23r	b23r	b23r	b23r	r00j	j06g	j06g	j06g	r00j	r00j	r00j	r00j
16	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.4	0.4	0.4	0.4
	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.0	0.0	0.0	0.0
	b47r	b42r	b35r	b23r	b05r	g85b	g65b	g46b	g35b	b55r	b52r	b47r	b39r	b23r	g95b	g65b	g40b	g28b	b63r	b62r	b59r	b55r	b47r	b23r	g65b	g28b	g16b	b23r	b23r	b23r	b23r	b23r	b23r	r00j	j06g	j06g	r00j	r00j	r00j	r00j
17	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.47	0.47	0.47	0.47
	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.0	0.0	0.0	0.0
	b44r	b39r	b33r	b23r	b09r	g95b	g80b	g65b	g51b	b51r	b47r	b42r	b35r	b23r	b05r	g85b	g65b	g46b	b58r	b55r	b52r	b47r	b39r	b23r	g95b	g65b	g40b	b23r	b23r	b23r	b23r	b23r	b23r	b23r	r00j	j06g	r00j	r00j	r00j	r00j
18	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.53	0.53	0.53	0.53
	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
	b41r	b37r	b31r	b23r	b12r	b01r	g89b	g77b	g65b	b47r	b44r	b39r	b33r	b23r	b09r	g95b	g80b	g65b	b54r	b51r	b47r	b42r	b35r	b23r	b05r	g85b	g65b	b23r	b23r	b23r	b23r	b23r	b23r	b23r	b23r	r00j	r00j	r00j	r00j	r00j
19	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.6	0.6	0.6
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0
	r09j	r25j	r41j	r57j	r73j	r89j	j06g	j17g	j25g	r09j	r22j	r36j	r50j	r64j	r77j	r91j	j06g	j16g	r09j	r21j	r33j	r45j	r57j	r69j	r81j	r93j	j06g	r00j	j85g	j85g	j85g	j85g	j85g	j85g	j85g	j85g	r00j	r00j	r00j	r00j
20	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.67	0.67	0.67	0.67
	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0	0.0
	b99r	r09j	r28j	r47j	r66j	r86j	j06g	j19g	j28g	r01j	r09j	r25j	r41j	r57j	r73j	r89j	j06g	j17g	r02j	r09j	r22j	r36j	r50j	r64j	r77j	r91j	j06g	b71r	r00j	j85g	j85g	j85g	j85g	j85g	j85g	j85g	r00j	r00j	r00j	r00j
21	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.73	0.73	0.73	0.73
	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.75	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0
	b93r	b98r	r09j	r33j	r57j	r81j	j06g	j21g	j32g	b95r	b99r	r09j	r28j	r47j	r66j	r86j	j06g	j19g	b96r	r01j	r09j	r25j	r41j	r57j	r73j	r89j	j06g	b71r	b71r	r00j	j85g	j85g	j85g	j85g	j85g	j85g	r00j	r00j	r00j	r00j
22	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.8	0.8	0.8	0.8
	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.0	0.0	0.0	0.0
	b88r	b91r	b96r	r09j	r41j	r73j	j06g	j25g	j37g	b90r	b93r	b98r	r09j	r33j	r57j	r81j	j06g	j21g	b92r	b95r	b99r	r09j	r28j	r47j	r66j	r86j	j06g	b71r	b71r	b71r	r00j	j85g	j85g	j85g	j85g	j85g	r00j	r00j	r00j	r00j
23	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.87	0.87	0.87	0.87
	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.0	0.0	0.0	0.0
	b82r	b85r	b88r	b93r	r09j	r57j	j06g	j32g	j45g	b86r	b88r	b91r	b96r	r09j	r41j	r73j	j06g	j25g	b88r	b90r	b93r	b98r	r09j	r33j	r57j	r81j	j06g	b71r	b71r	b71r	r00j	j85g	j85g	j85g	j85g	j85g	r00j	r00j	r00j	r00j
24	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.93	0.93	0.93	0.93
	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.38	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.0	0.0	0.0	0.0
	b77r	b78r	b80r	b82r	b88r	r09j	j06g	j45g	j59g	b81r	b82r	b85r	b88r	b93r	r09j	r57j	j06g	j32g	b84r	b86r	b88r	b91r	b96r	r09j	r41j	r73j	j06g	b71r	b71r	b71r	b71r	r00j	j85g	j85g	j85g	j85g	r00j	r00j	r00j	r00j
25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
u^*_d and number *no.* = 00 .. 15
device hue text:
u^*_d = 16 hues *o00y, o25y, ..., m50o*
contrast reduction factor:
c_R = 1.0

ORS20_95a; adapted (a) CIELAB data

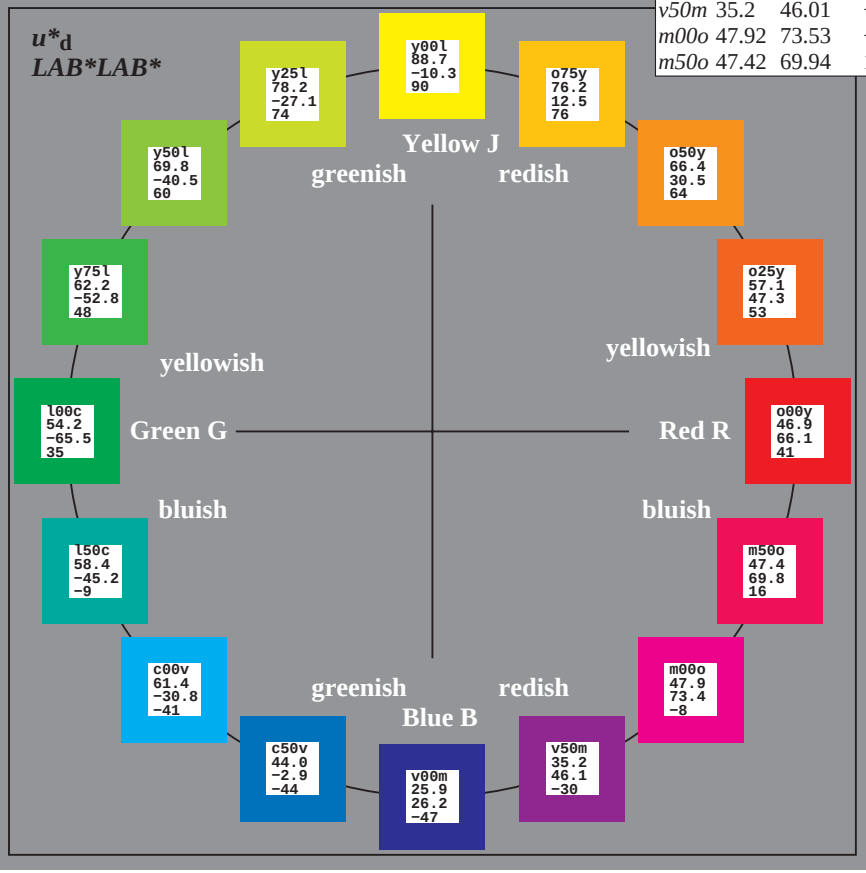
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

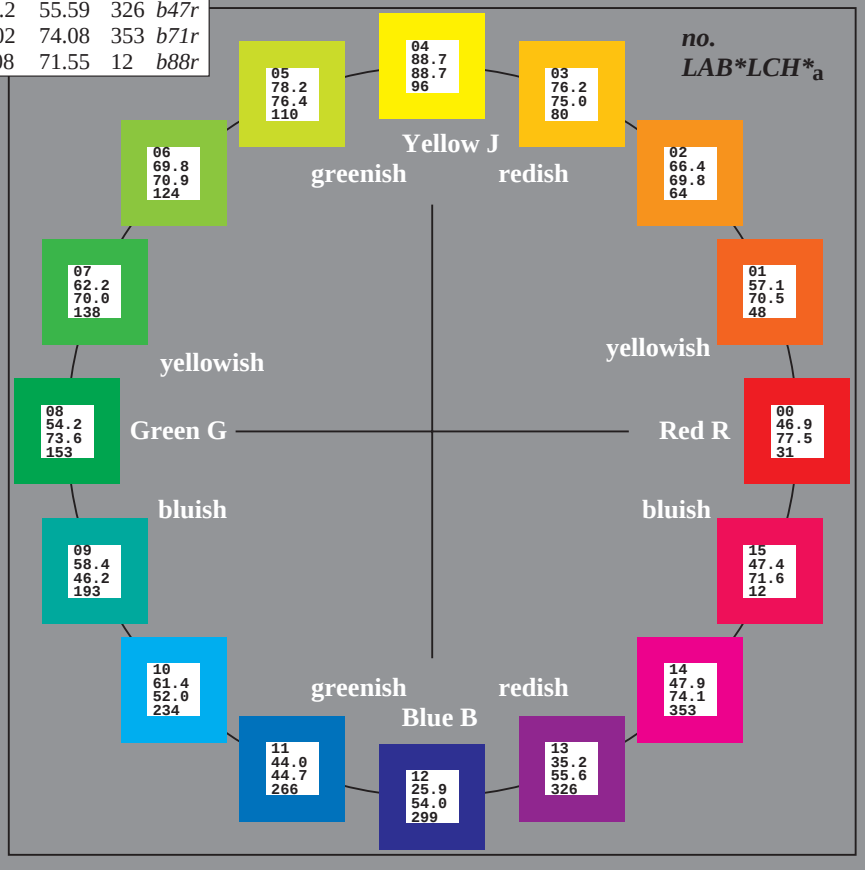


%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 67
$g^*_{C,rel}$ = 59

ORS20_95; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	−46.47	46.49	272





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$

$u^*_d = o00y$
LAB*LAB*

data for any colour:

lab*tch* and lab*icu*

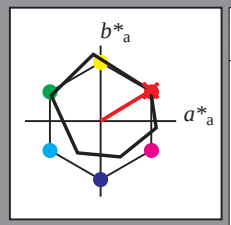
Hue texts:

$u^*_d = o00y$ $u^*_e = r09j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*$_{Ma}$*: 47 66 40**

***LAB*LCH*$_{Ma}$*: 47 77 31**

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

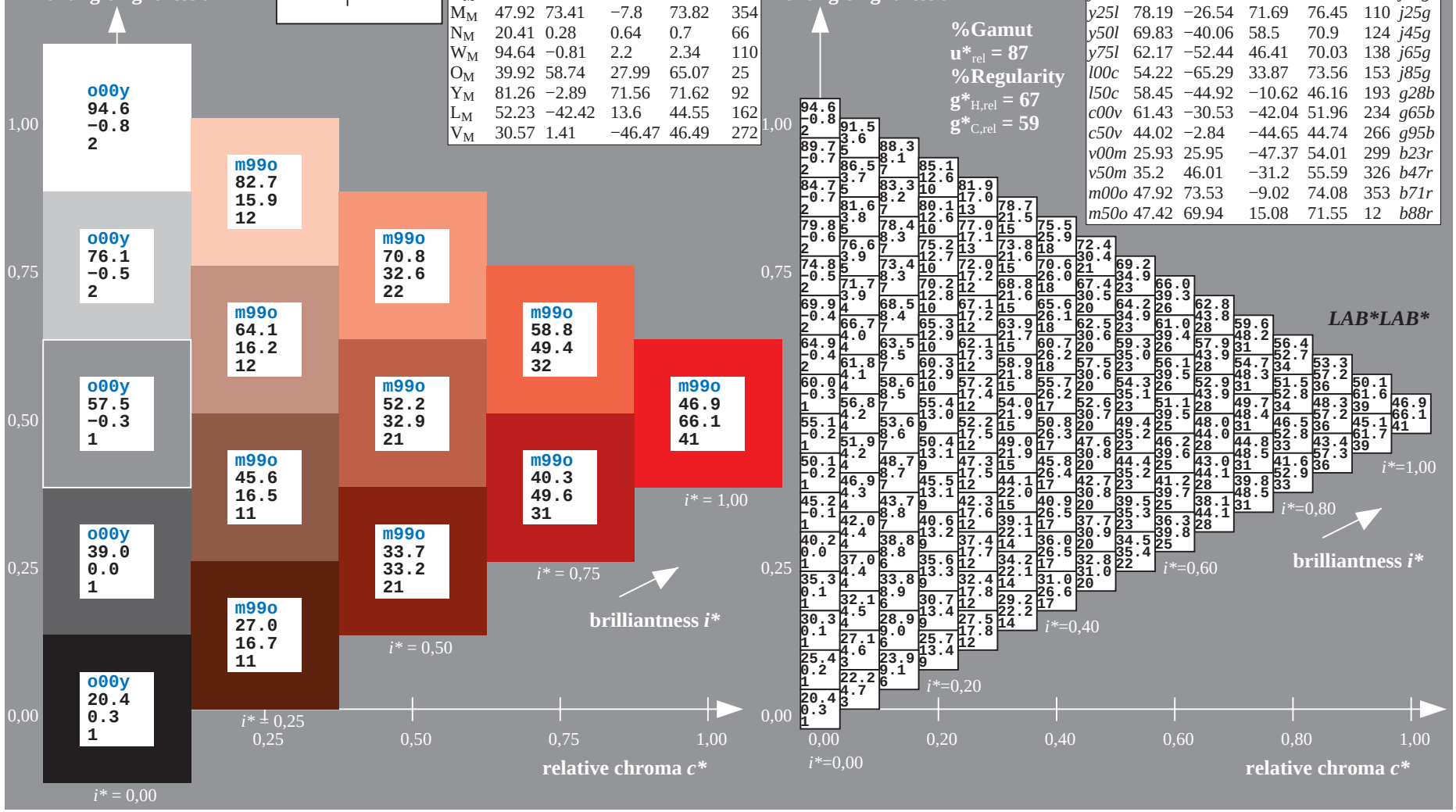
***lab*rgb*$_{Ma}$*: 1.0 0.09 0.0**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

triangle lightness *t**

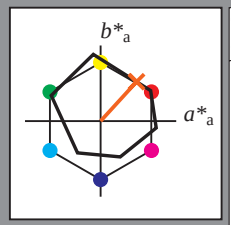
%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 67$
$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$

u^*_d = *o25y*
LAB*LAB*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o25y* u^*_e = *r33j*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



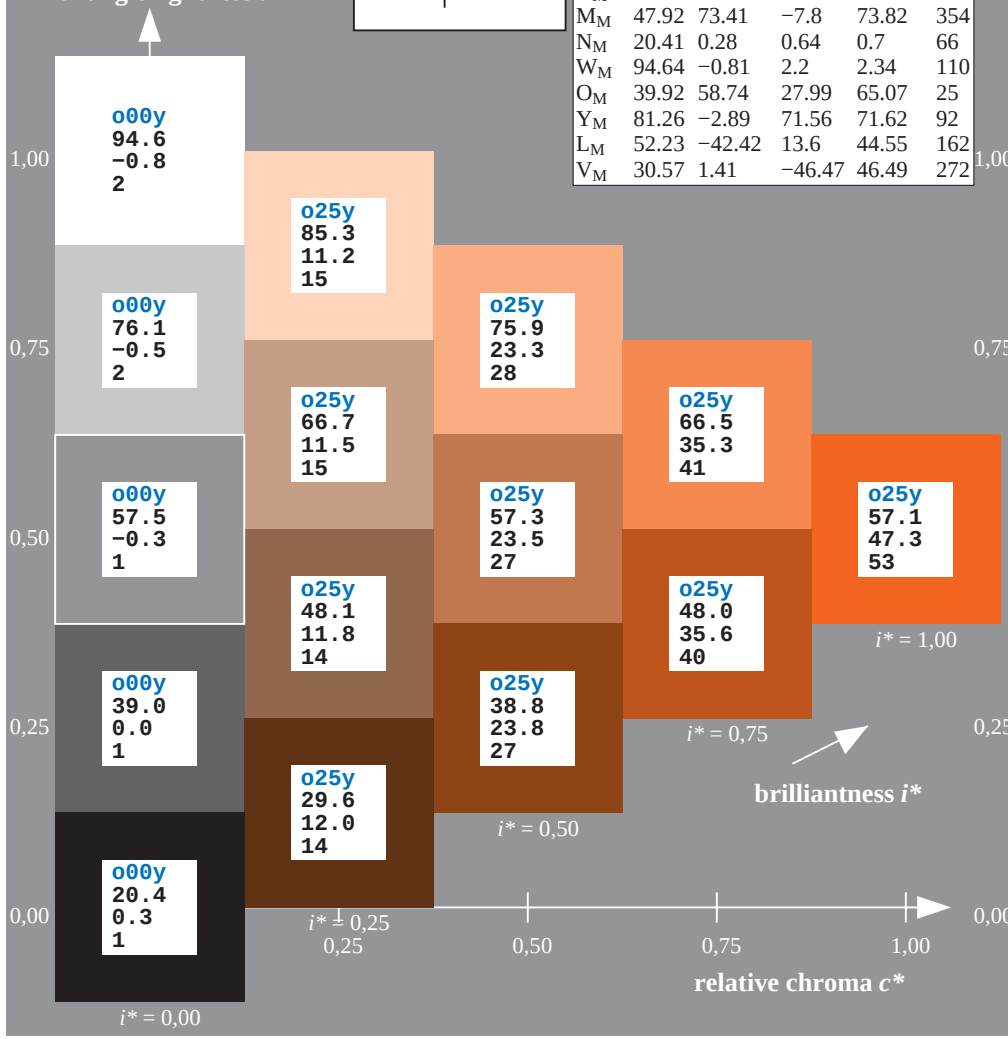
ORS20_95; CIELAB data

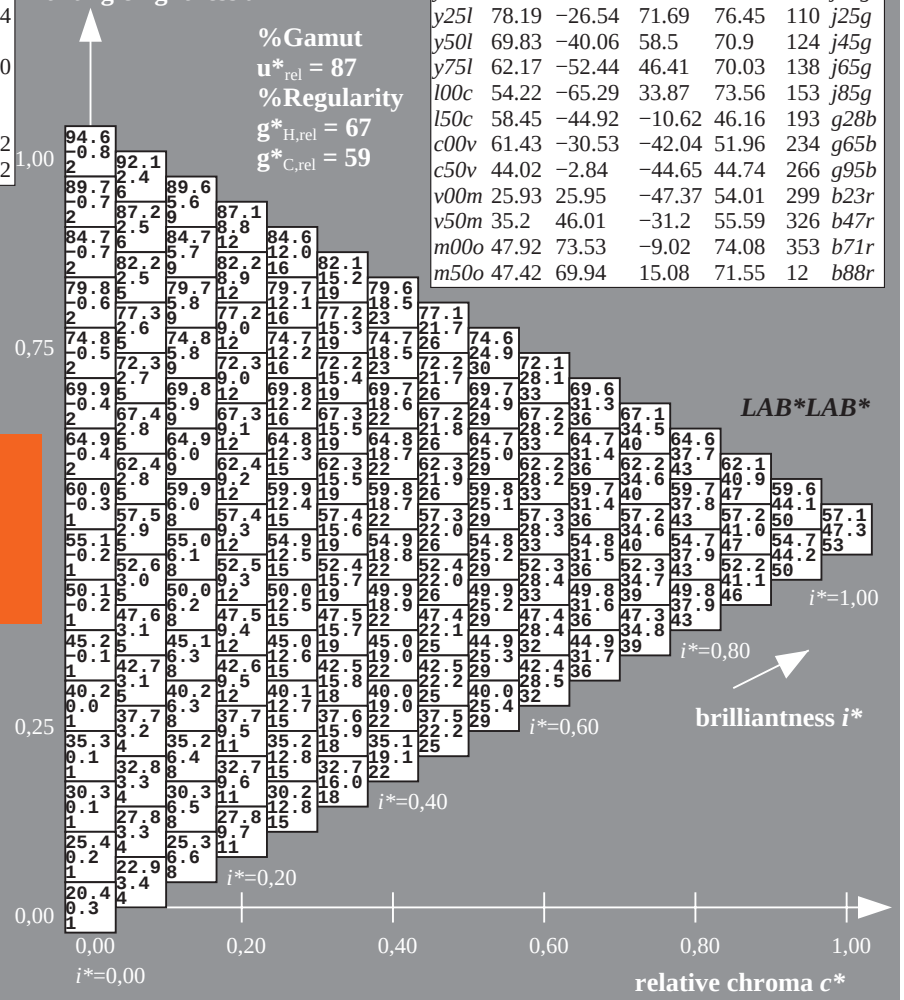
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 57 48 52**
***LAB*LCH*$_{Ma}$*: 57 71 47**
***lab*olv*$_{Ma}$*: 1.0 0.25 0.0**
***lab*rgb*$_{Ma}$*: 1.0 0.33 0.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

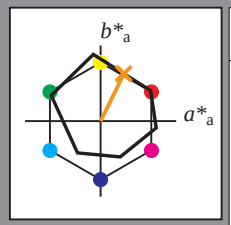




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.177$

u^*_d = *o50y*
LAB*LAB*

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
u^*_d = *o50y* u^*_e = *r57j*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS20_95; CIELAB data

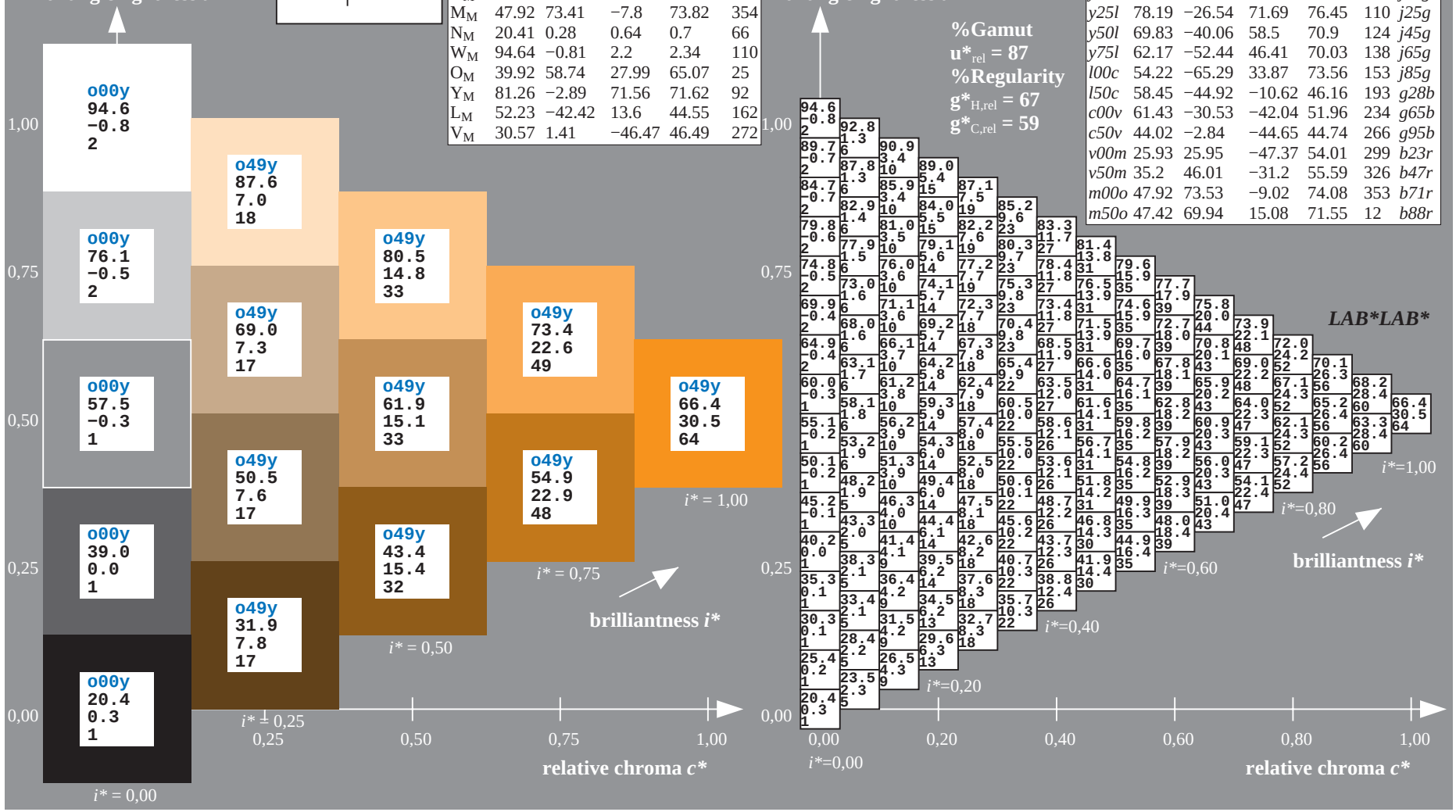
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 66 31 63**
***LAB*LCH*$_{Ma}$*: 66 70 63**
***lab*olv*$_{Ma}$*: 1.0 0.5 0.0**
***lab*rgb*$_{Ma}$*: 1.0 0.57 0.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

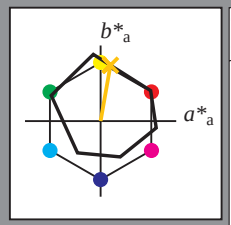
%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 67
$g^*_{C,rel}$ = 59



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.222$

u^*_d = *o75y*
LAB*LAB*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o75y* u^*_e = *r81j*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS20_95; CIELAB data

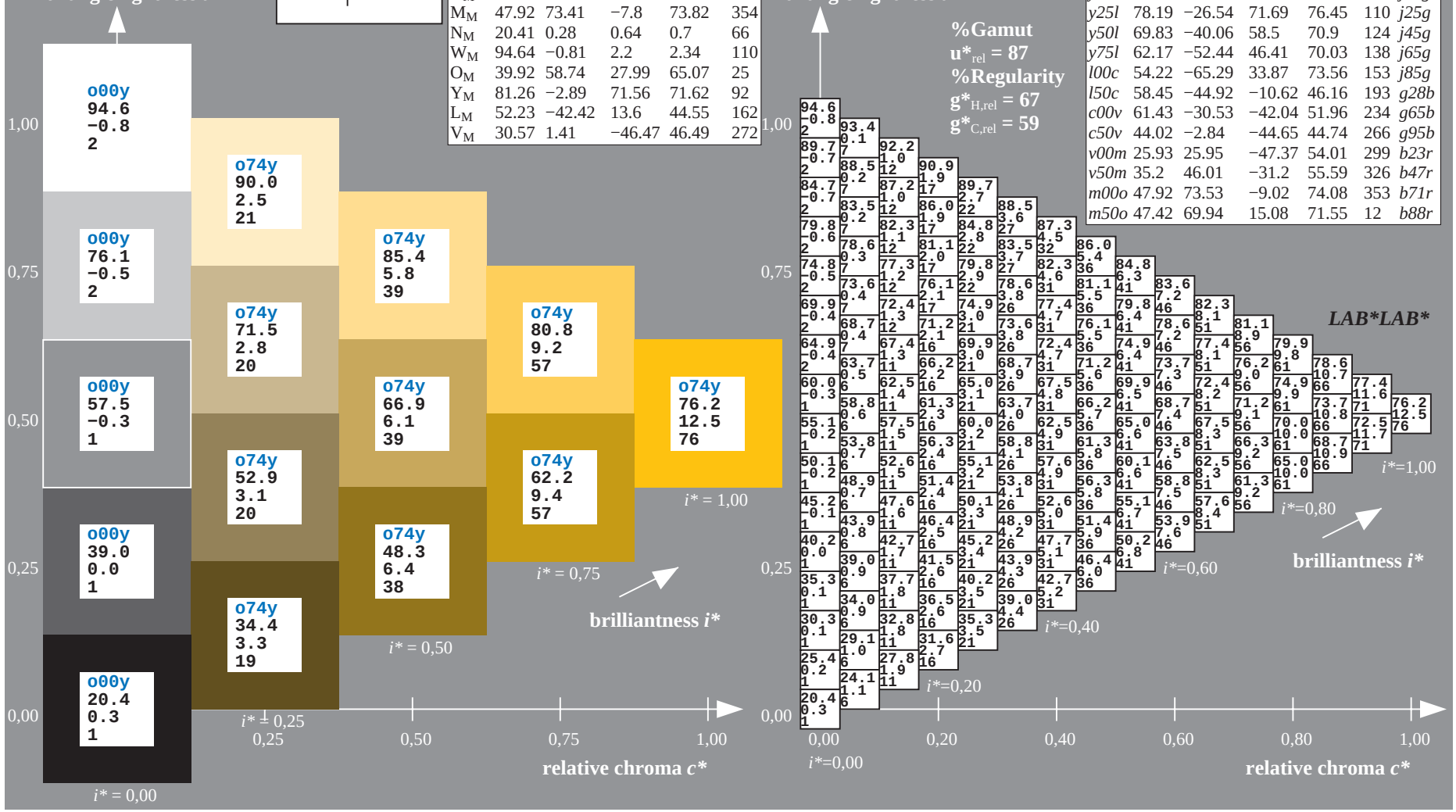
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 76 13 74**
***LAB*LCH*$_{Ma}$*: 76 75 79**
***lab*olv*$_{Ma}$*: 1.0 0.75 0.0**
***lab*rgb*$_{Ma}$*: 1.0 0.82 0.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

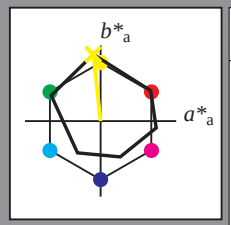
%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 67
$g^*_{C,rel}$ = 67



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.267$

$u^*_d = y00l$
LAB^*LAB^*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = y00l$ $u^*_e = j06g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



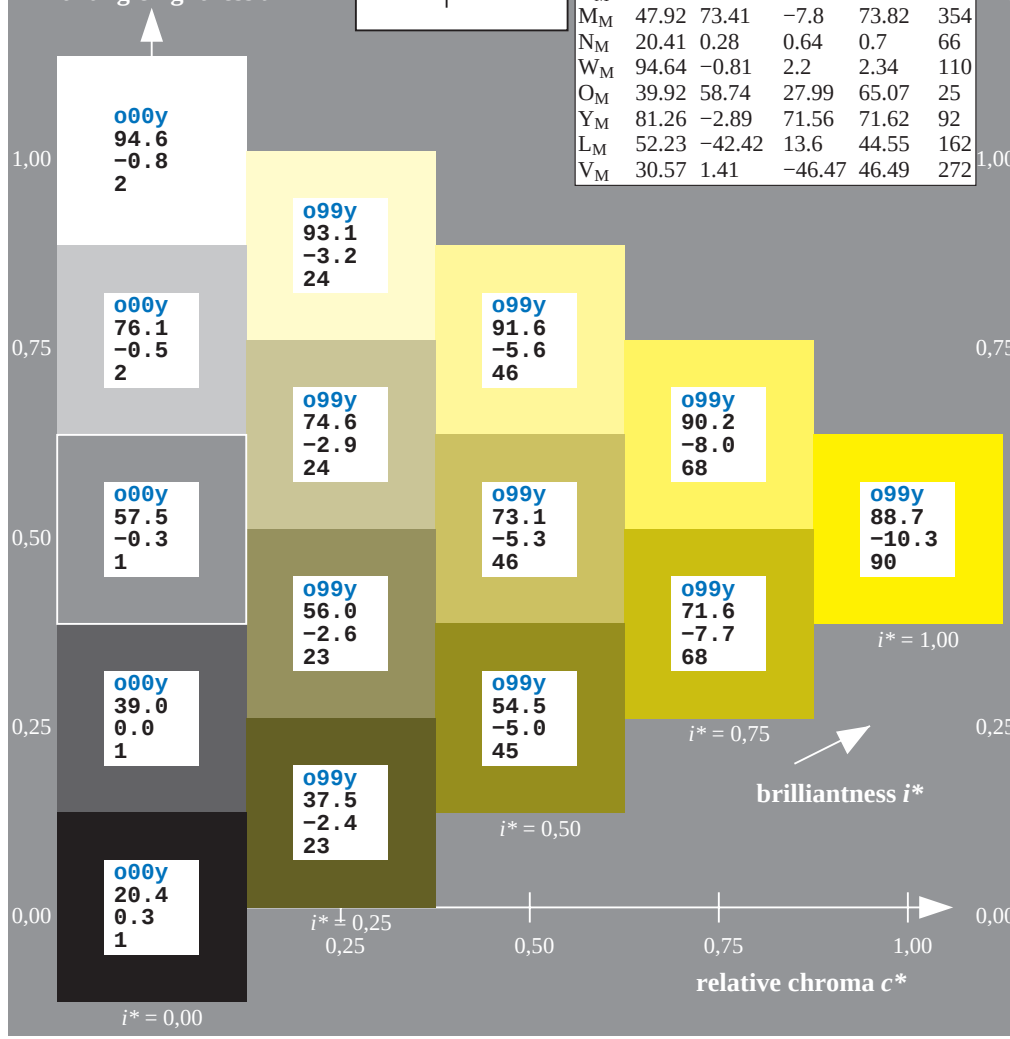
ORS20_95; CIELAB data

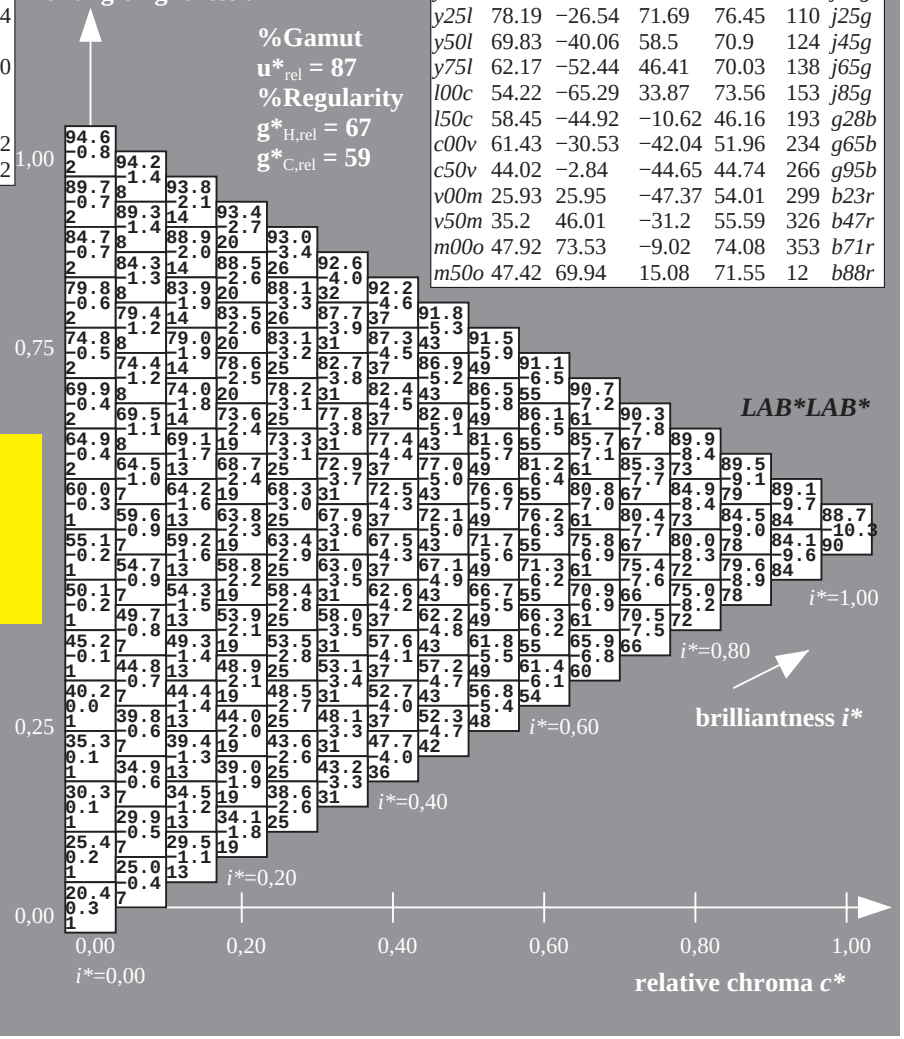
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 89 −10 88
$LAB^*LCH^*_{Ma}$: 89 89 96
$lab^*olv^*_{Ma}$: 1.0 1.0 0.0
$lab^*rgb^*_{Ma}$: 0.94 1.0 0.0
triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

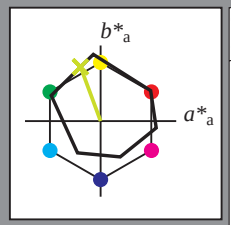




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.306$

$u^*_d = y25l$
LAB^*LAB^*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = y25l$ $u^*_e = j25g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



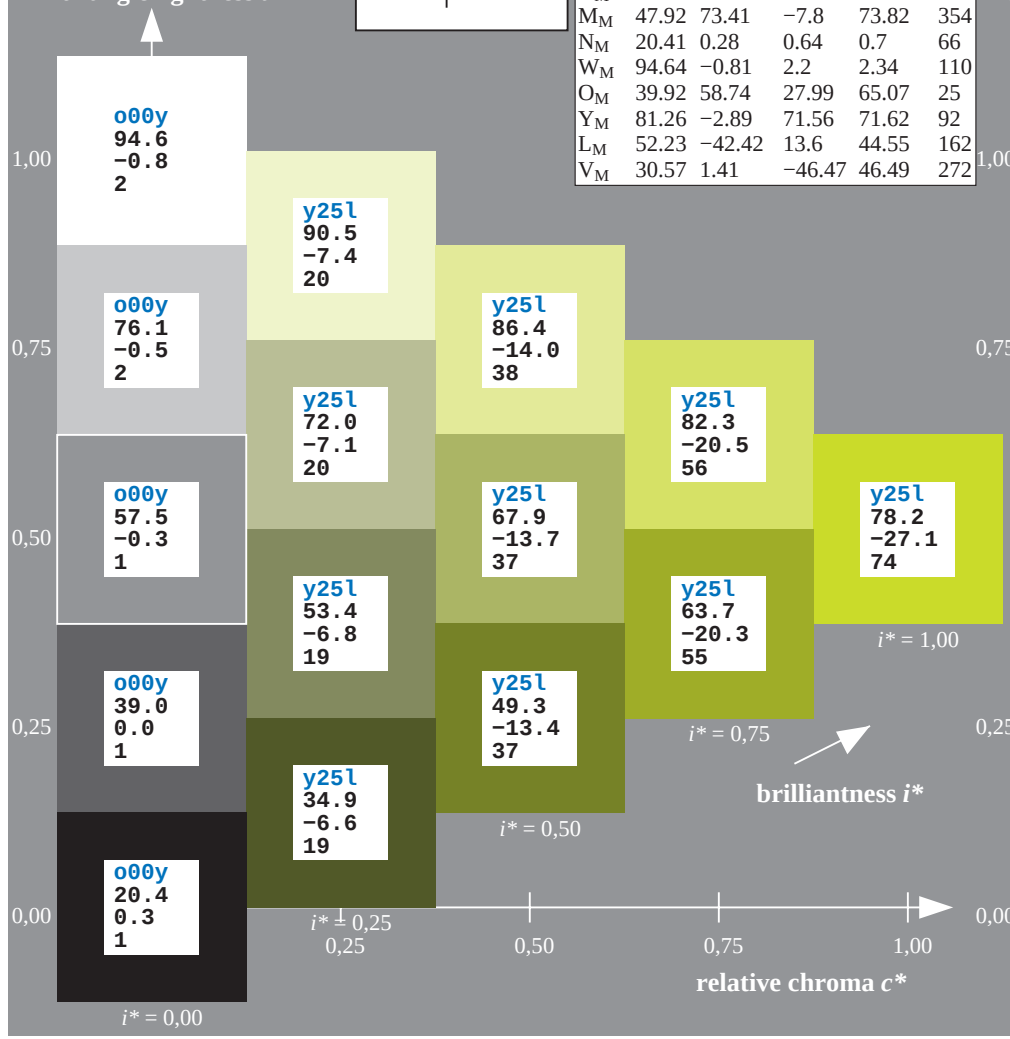
ORS20_95; CIELAB data

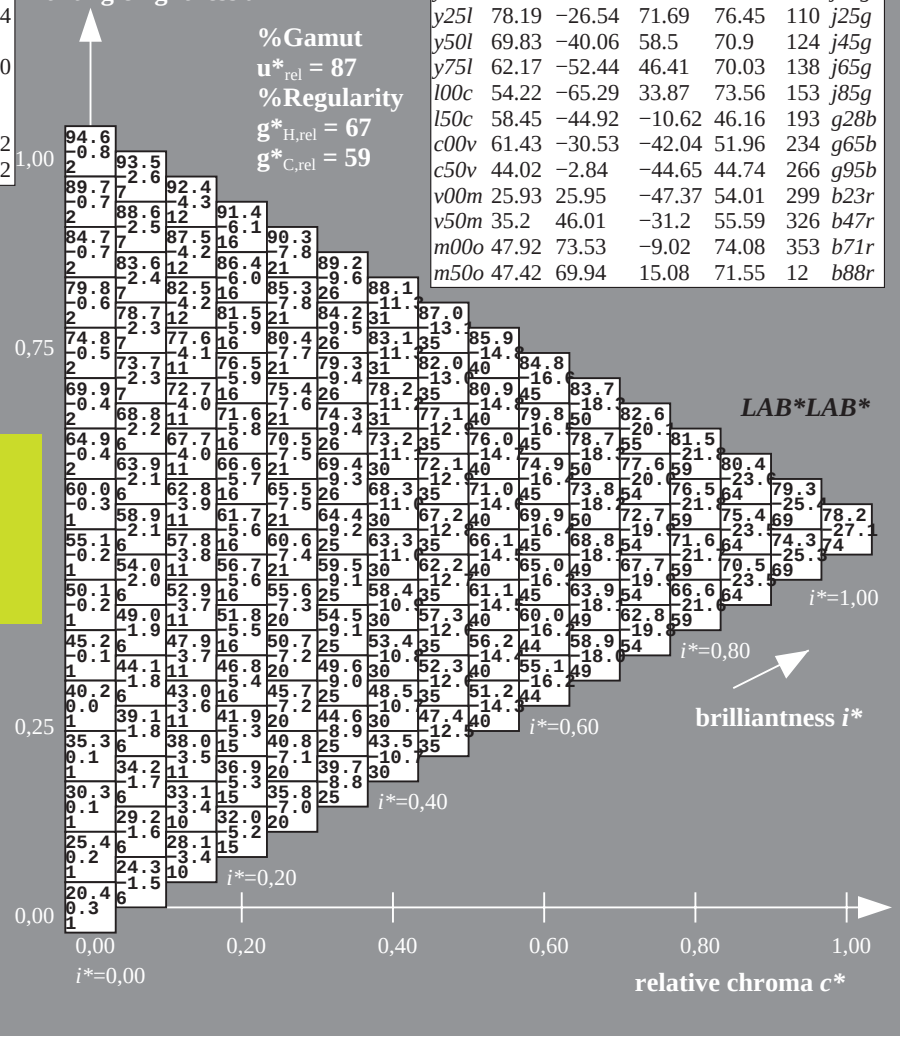
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 78 −27 72
$LAB^*LCH^*_{Ma}$: 78 76 110
$lab^*olv^*_{Ma}$: 0.75 1.0 0.0
$lab^*rgb^*_{Ma}$: 0.74 1.0 0.0
triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

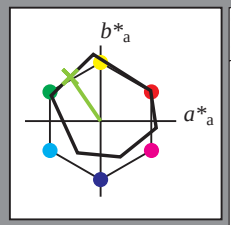




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.346$

$u^*_d = y50l$
LAB*LAB*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = y50l$ $u^*_e = j45g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS20_95; CIELAB data

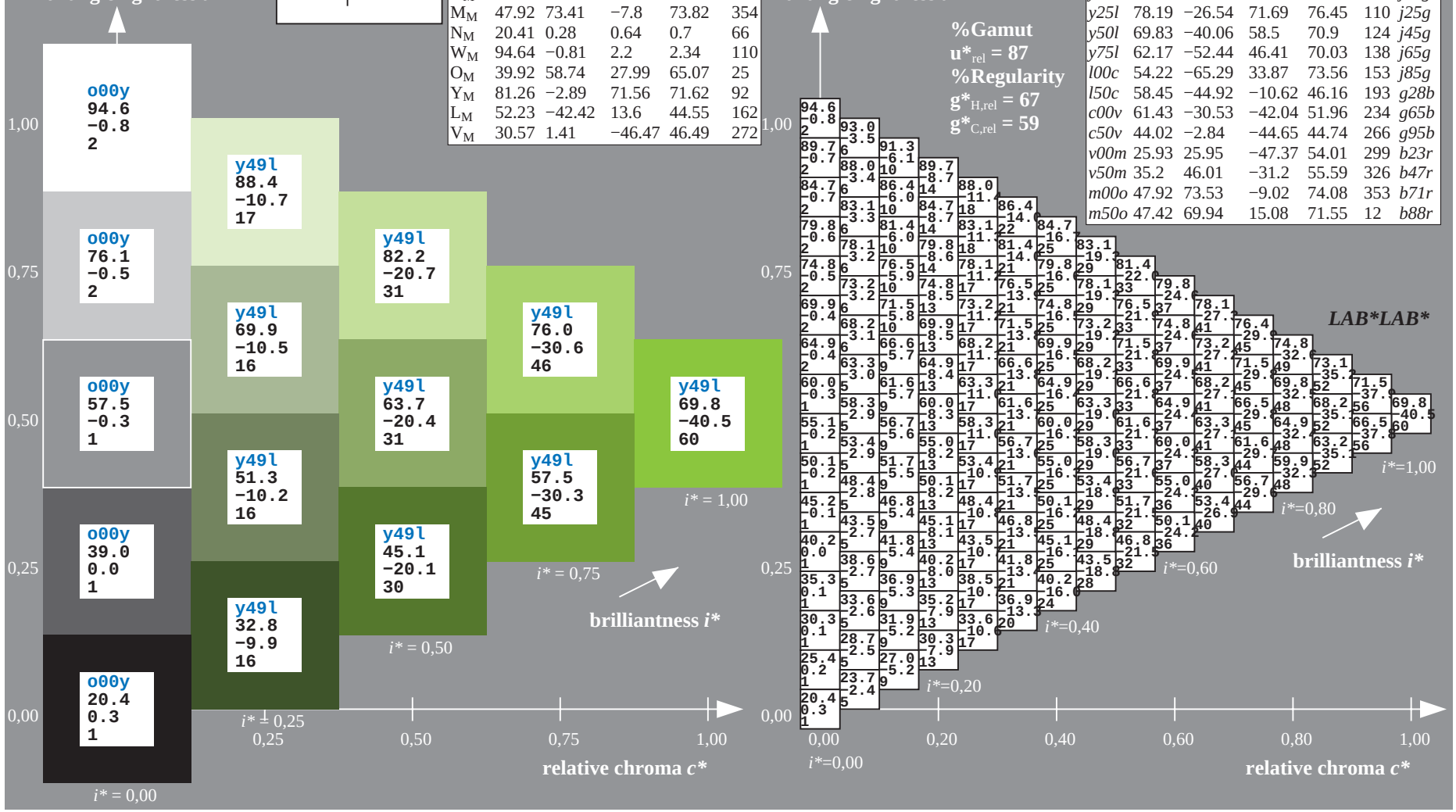
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 70 −40 58**
***LAB*LCH*$_{Ma}$*: 70 71 124**
***lab*olv*$_{Ma}$*: 0.5 1.0 0.0**
***lab*rgb*$_{Ma}$*: 0.54 1.0 0.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

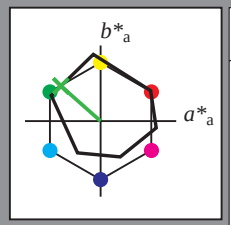
%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 67$
$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.385$

$u^*_d = y75l$
LAB*LAB*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = y75l$ $u^*_e = j65g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



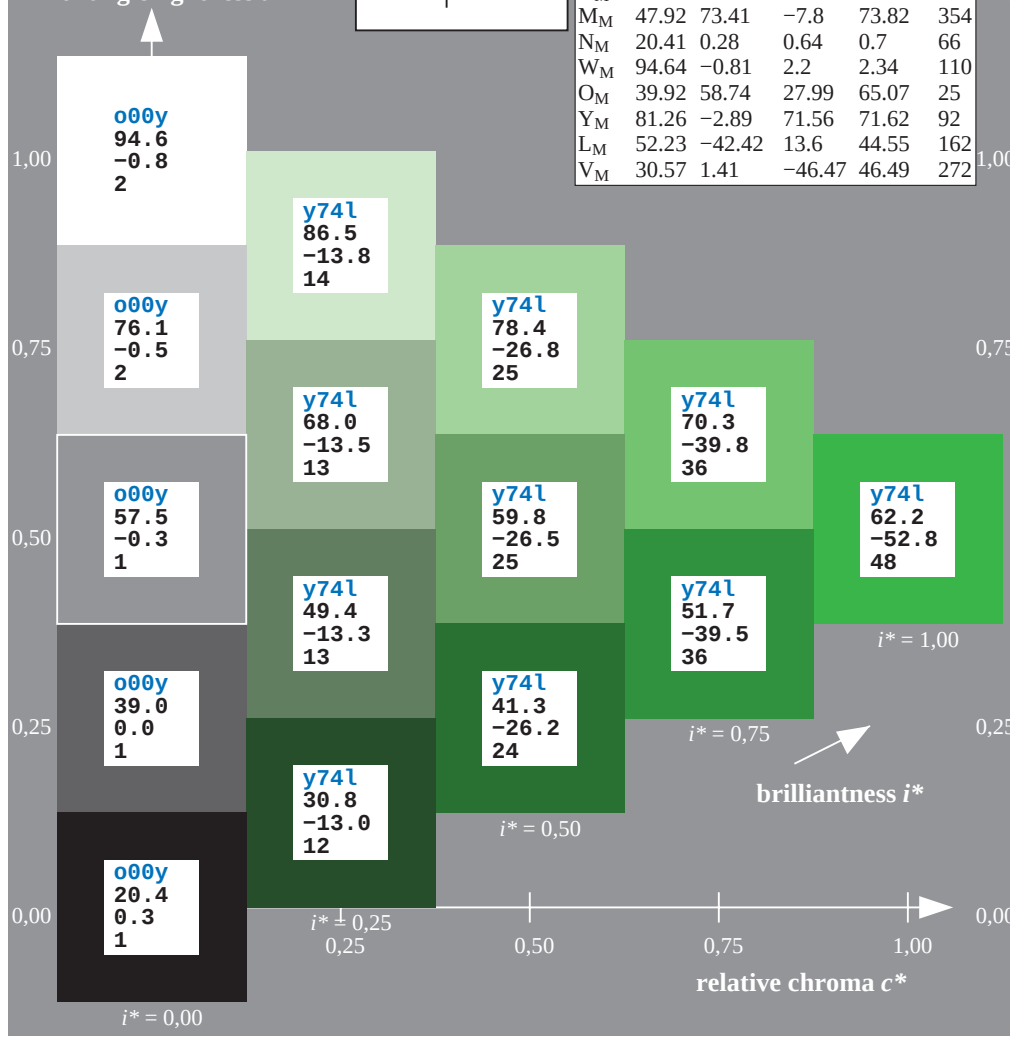
ORS20_95; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

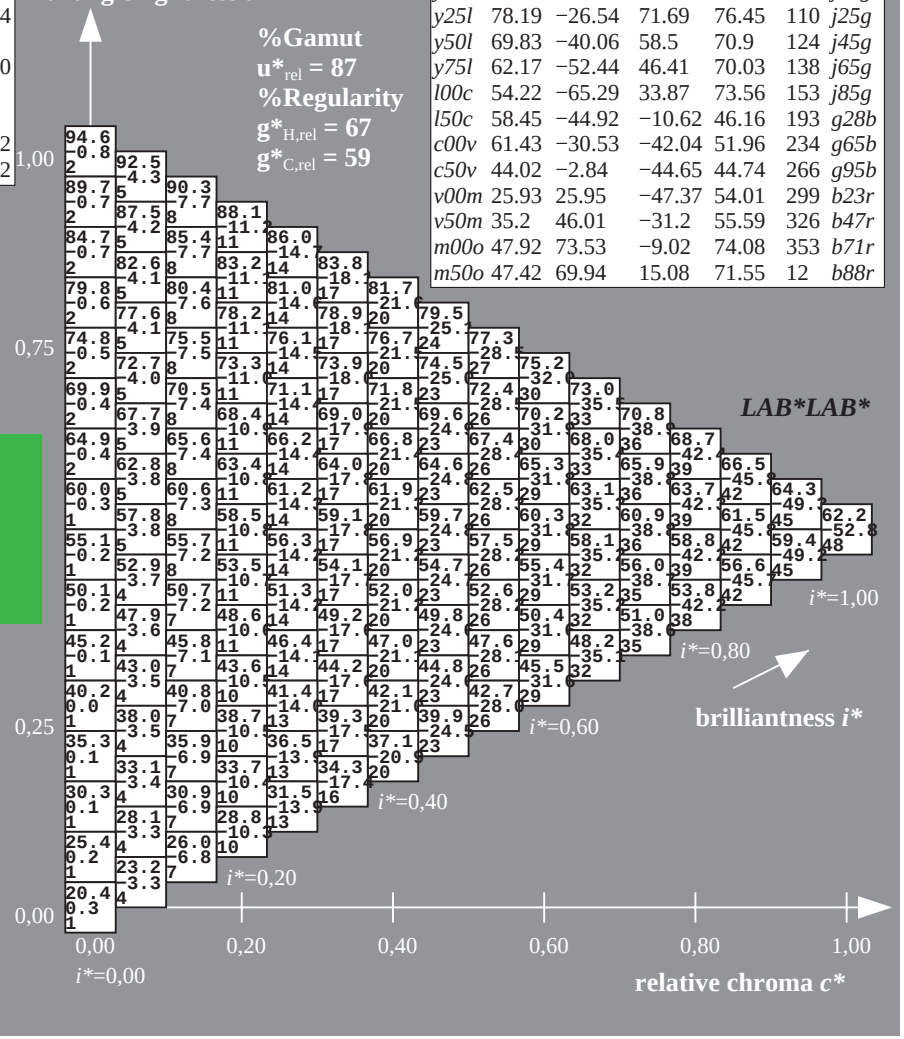
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 62 −52 46**
***LAB*LCH*$_{Ma}$*: 62 70 138**
***lab*olv*$_{Ma}$*: 0.25 1.0 0.0**
***lab*rgb*$_{Ma}$*: 0.34 1.0 0.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



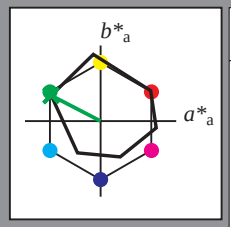
%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 67
$g^*_{C,rel}$ = 59



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.424$

$u^*_d = l00c$
LAB*LAB*

data for any colour:
lab*tch* and lab*icu*
Hue texts:
$u^*_d = l00c$ $u^*_e = j85g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



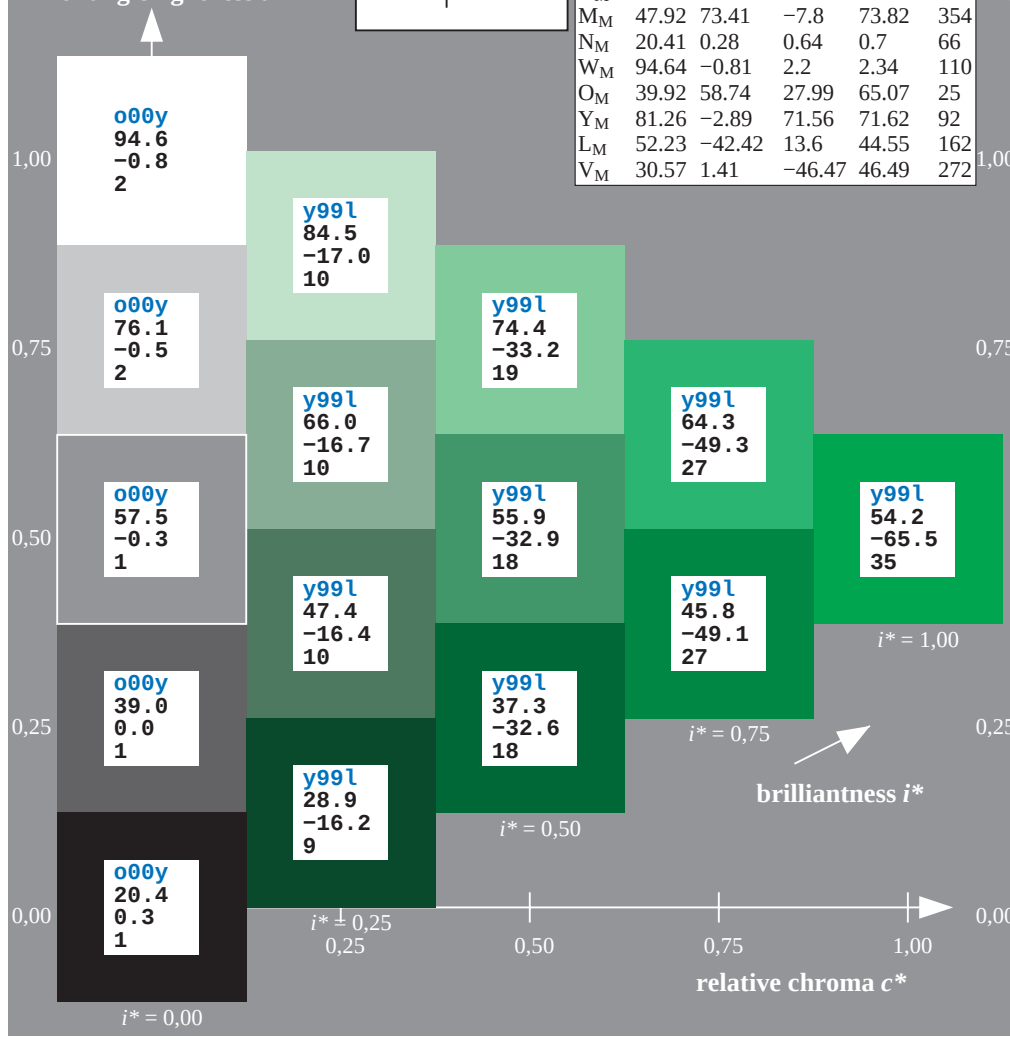
ORS20_95; CIELAB data

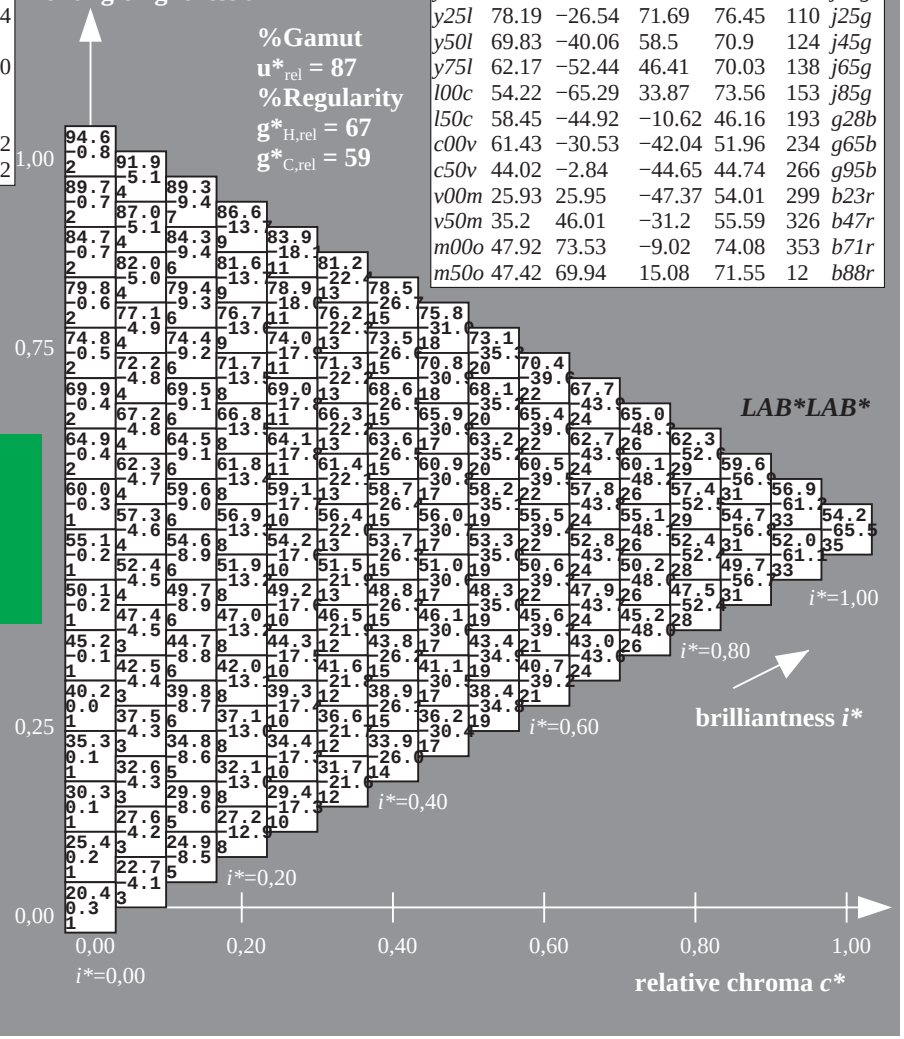
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 54 −65 34**
***LAB*LCH*$_{Ma}$*: 54 74 152**
***lab*olv*$_{Ma}$*: 0.0 1.0 0.0**
***lab*rgb*$_{Ma}$*: 0.14 1.0 0.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

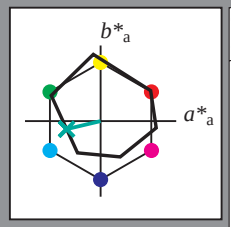




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.537$

$u^*_d = l50c$
LAB*LAB*

data for any colour:
lab*tch* and lab*icu*
Hue texts:
$u^*_d = l50c$ $u^*_e = g28b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



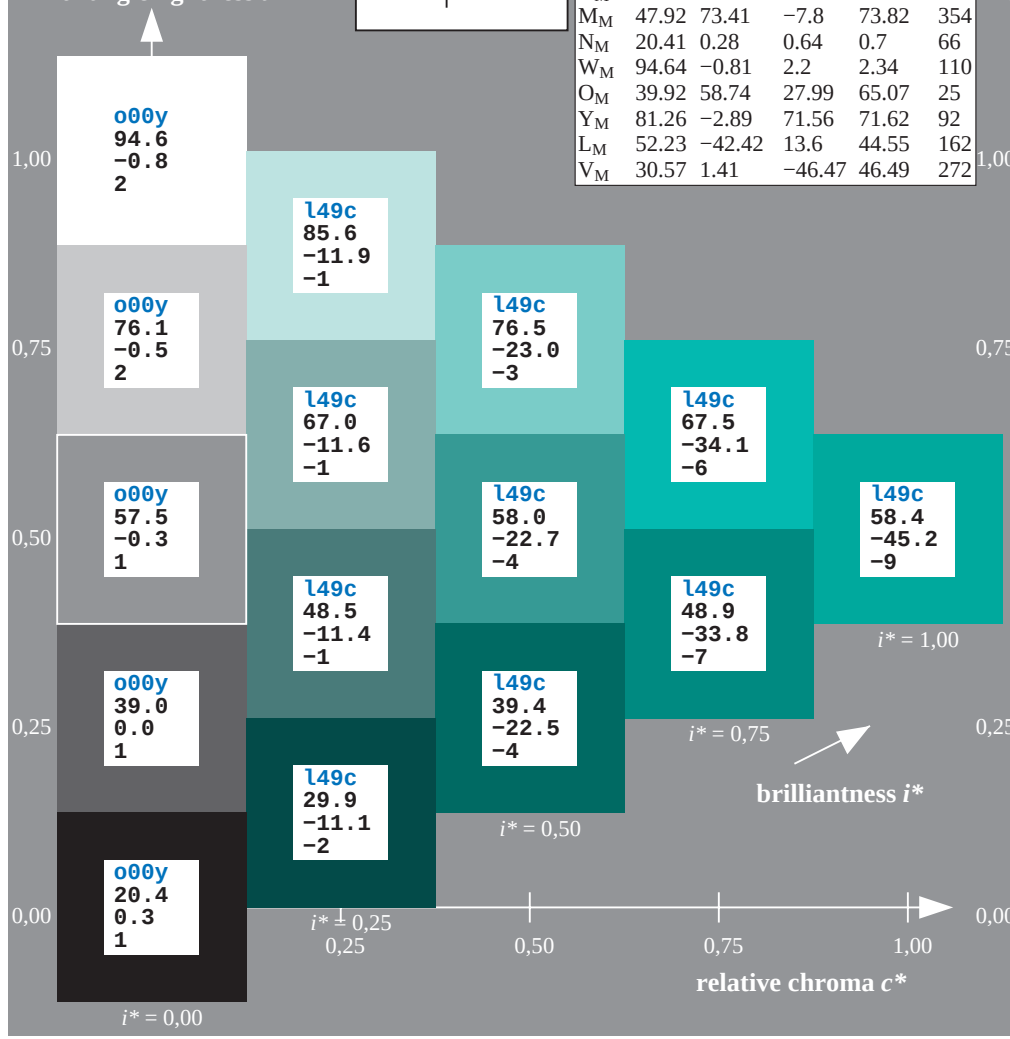
ORS20_95; CIELAB data

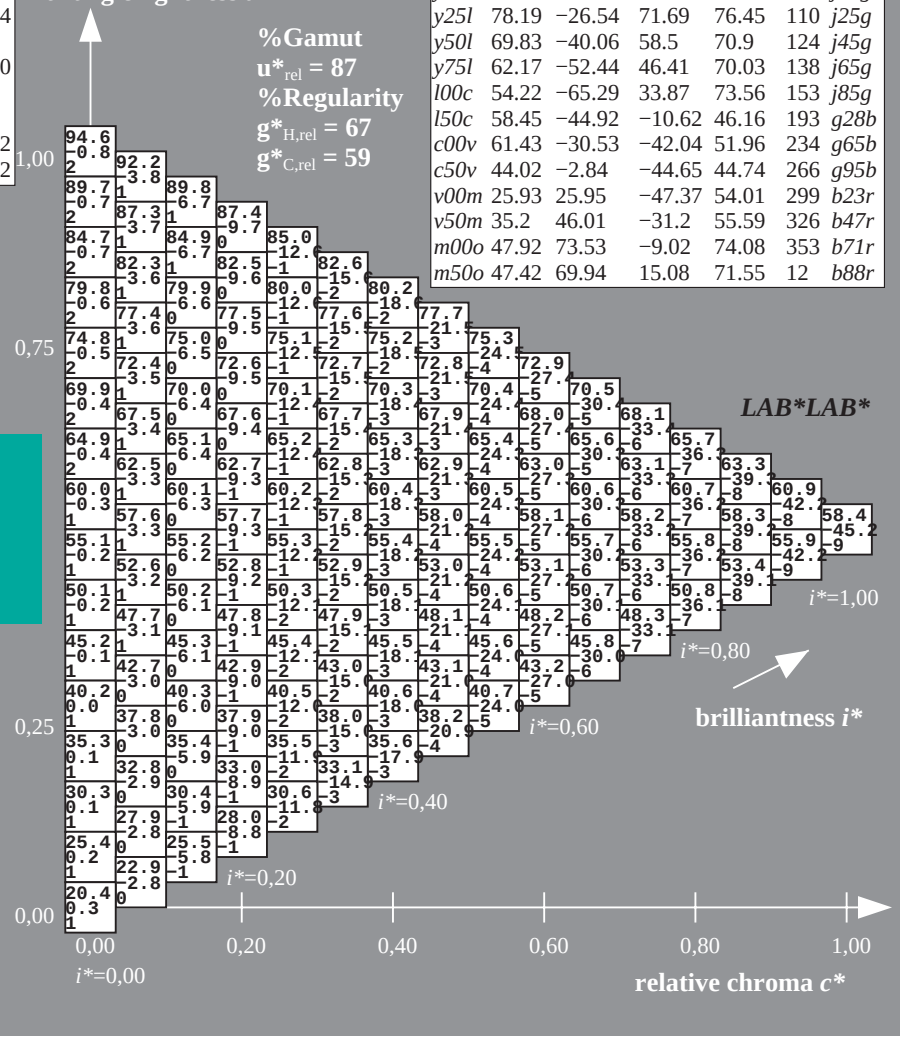
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 58 −45 −11**
***LAB*LCH*$_{Ma}$*: 58 46 193**
***lab*olv*$_{Ma}$*: 0.0 1.0 0.5**
***lab*rgb*$_{Ma}$*: 0.0 1.0 0.57**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.65$

data for any colour:

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

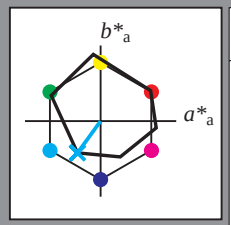
Hue texts:

u^*_d = *c00v* u^*_e = *g65b*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95; CIELAB data					
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 61 −31 −42

*LAB*LCH**$_{Ma}$: 61 52 234

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

*lab*rgb**$_{Ma}$: 0.0 0.69 1.0

triangle lightness *t**

u^*_d = *c00v*

*LAB*LAB**

ORS20_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

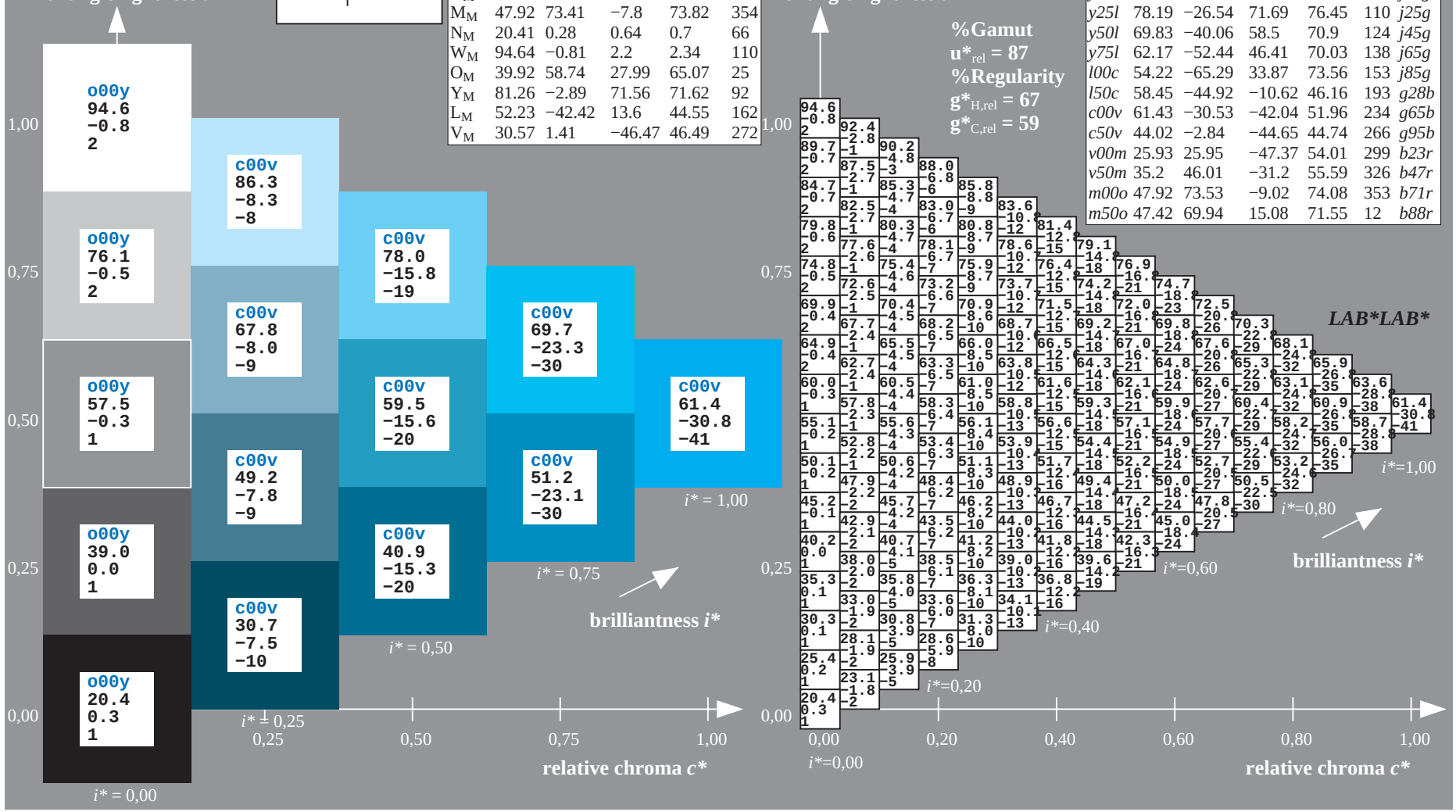
%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

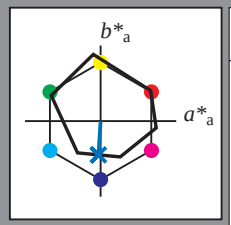
$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.74$

$u^*_d = c50v$
LAB*LAB*

data for any colour:
lab*tch* and lab*icu*
Hue texts:
$u^*_d = c50v$ $u^*_e = g95b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS20_95; CIELAB data

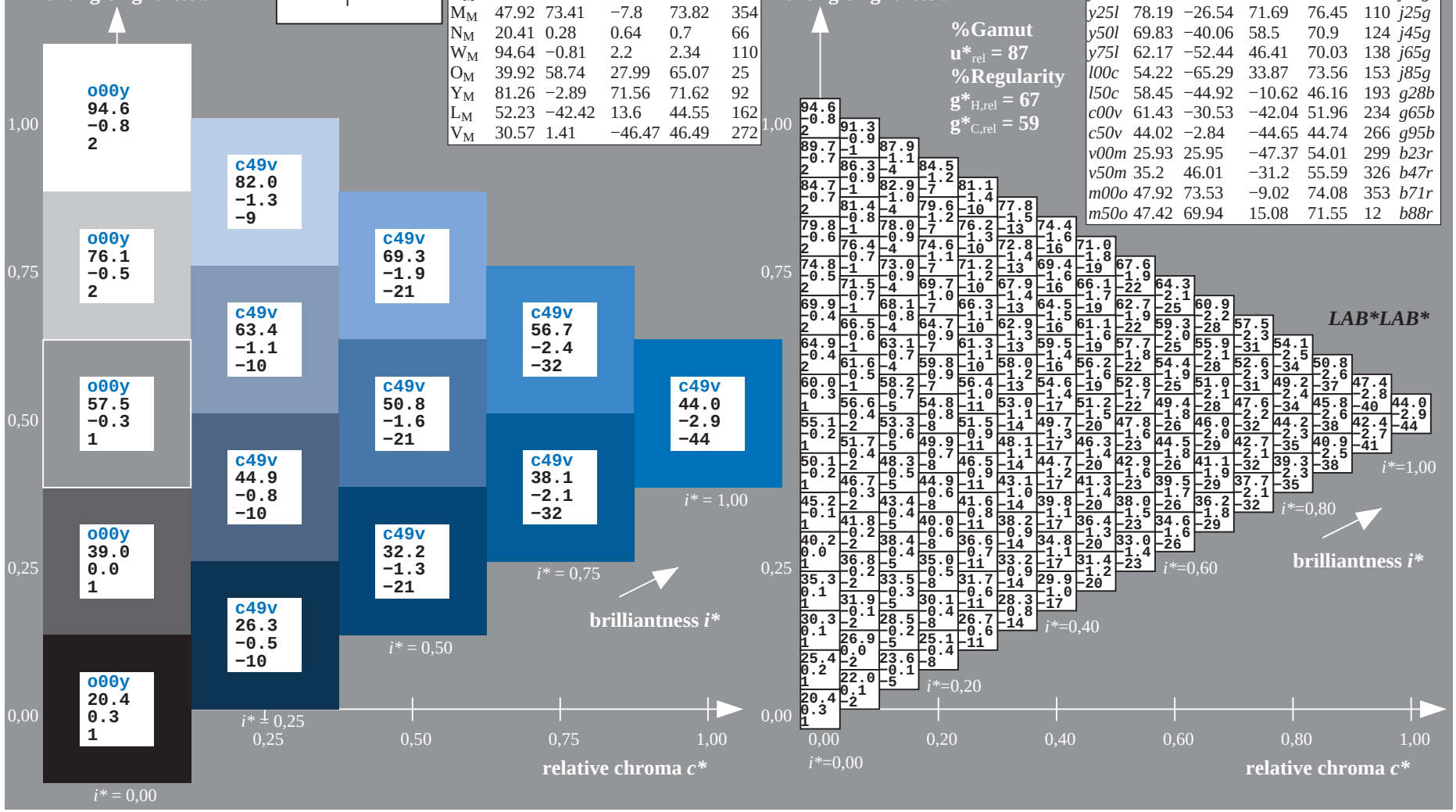
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 44 −3 −45**
***LAB*LCH*$_{Ma}$*: 44 45 266**
***lab*olv*$_{Ma}$*: 0.0 0.5 1.0**
***lab*rgb*$_{Ma}$*: 0.0 0.1 1.0**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

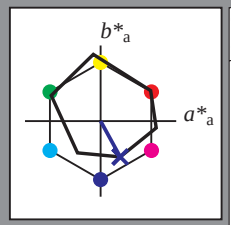
%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 67$
$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.83$

$u^*_d = v00m$
LAB*LAB*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = v00m$ $u^*_e = b23r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



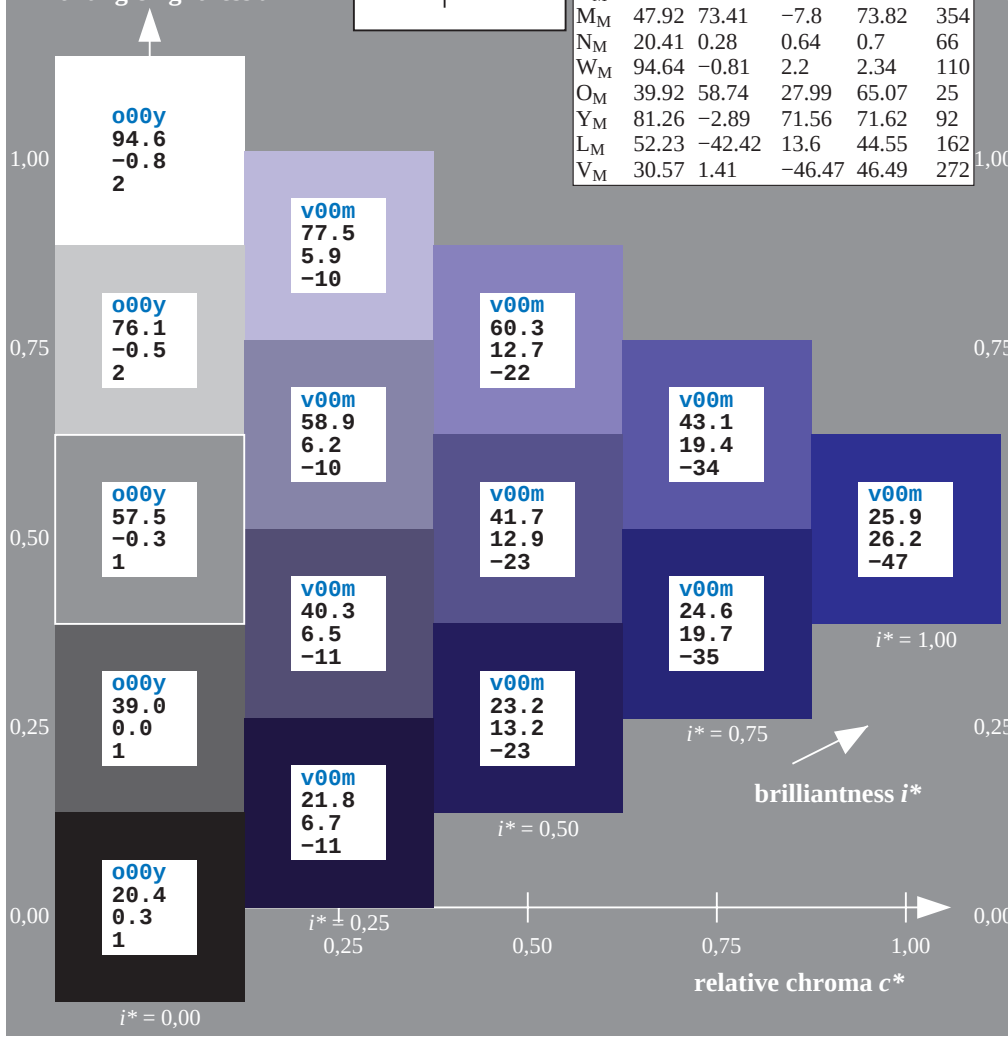
ORS20_95; CIELAB data

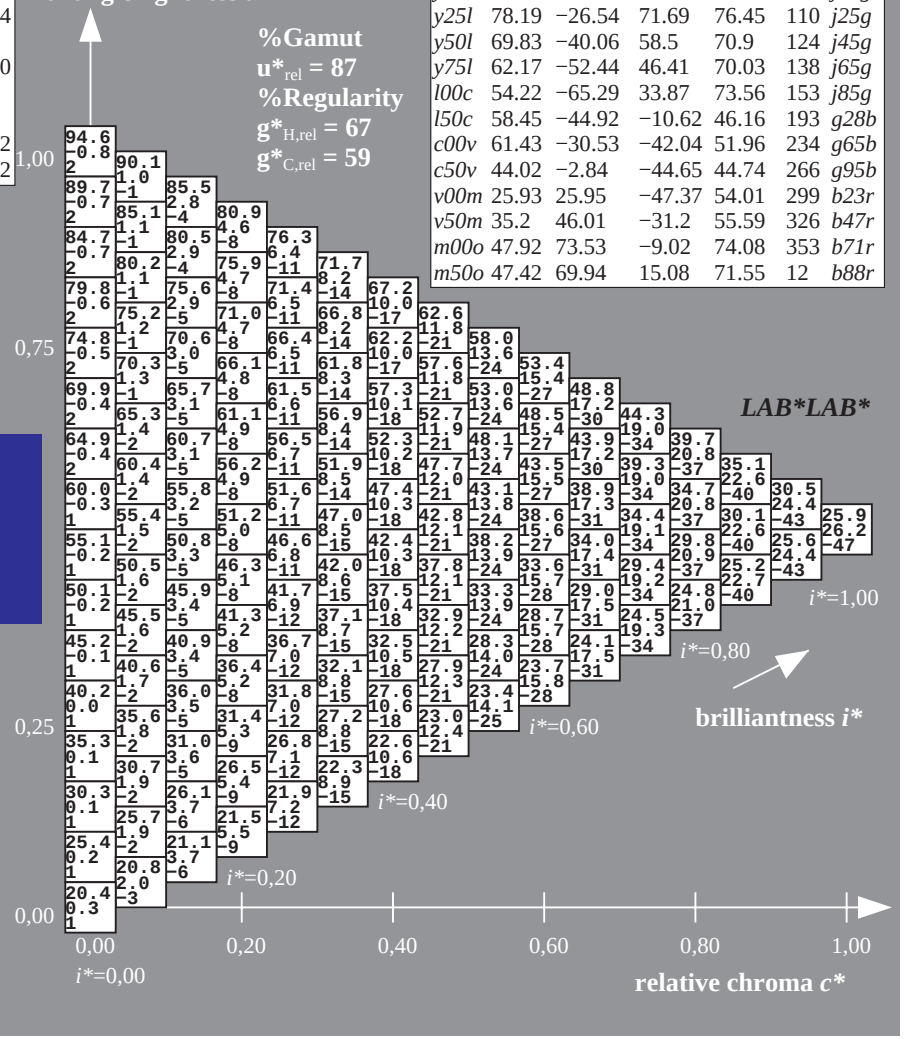
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 26 26 −47**
***LAB*LCH*$_{Ma}$*: 26 54 298**
***lab*olv*$_{Ma}$*: 0.0 0.0 1.0**
***lab*rgb*$_{Ma}$*: 0.47 0.0 1.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

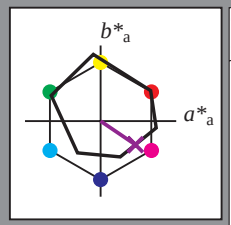




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.905$

$u^*_d = v50m$
LAB^*LAB^*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = v50m$ $u^*_e = b47r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



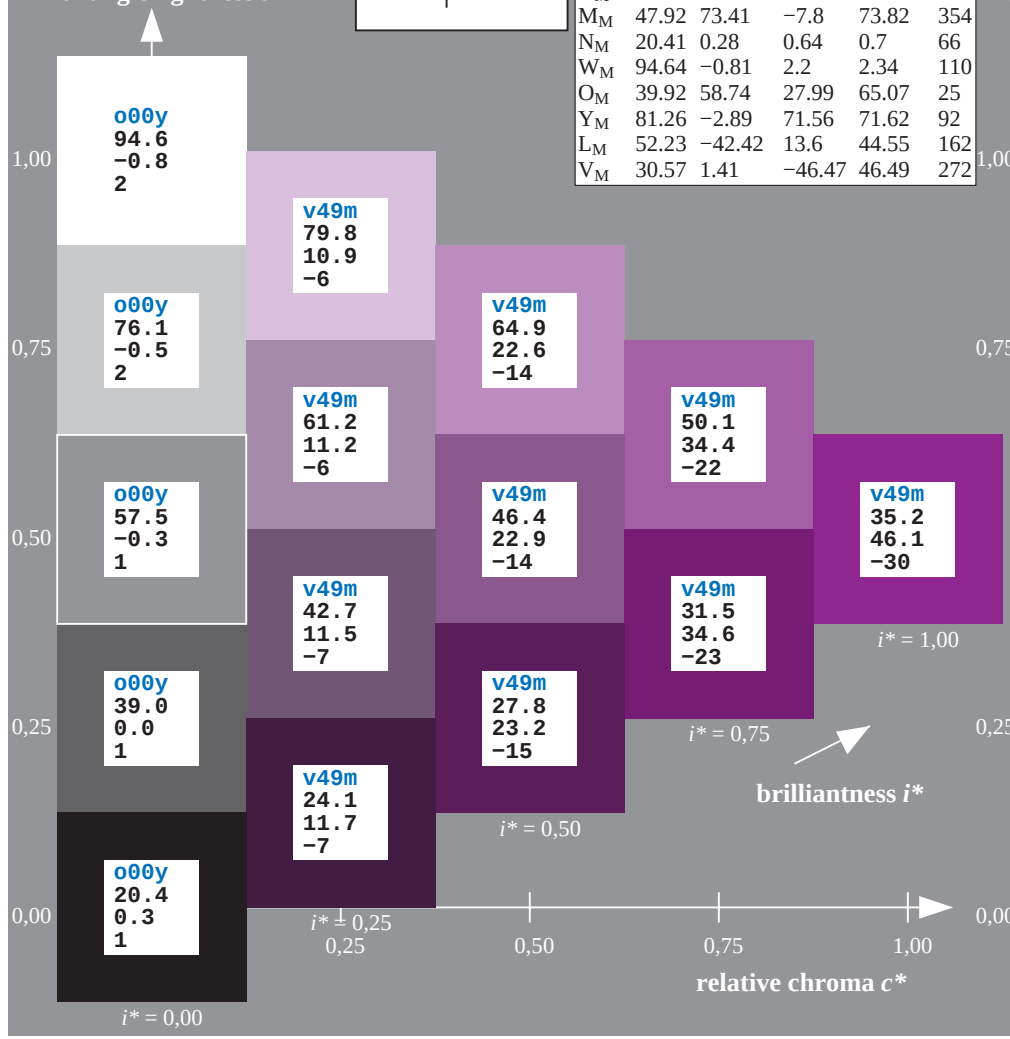
ORS20_95; CIELAB data

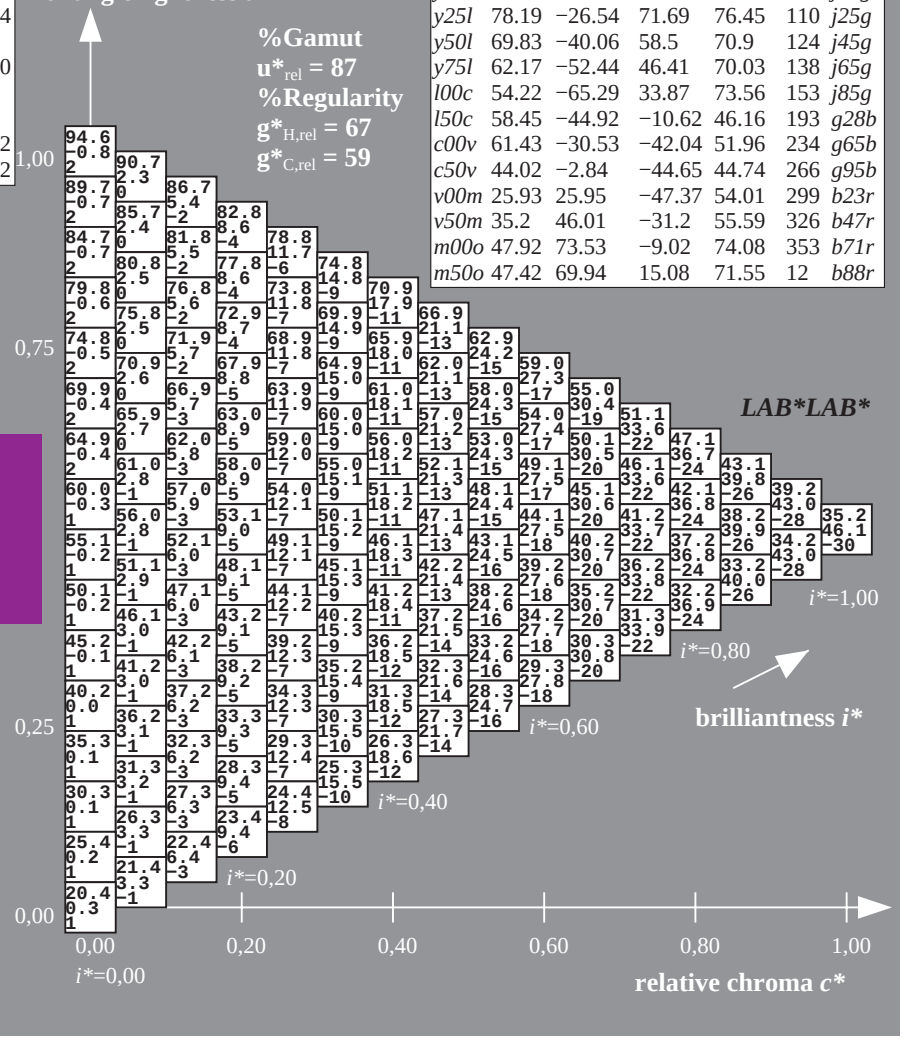
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 35 46 −31
$LAB^*LCH^*_{Ma}$: 35 56 325
$lab^*olv^*_{Ma}$: 0.5 0.0 1.0
$lab^*rgb^*_{Ma}$: 0.95 0.0 1.0
triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

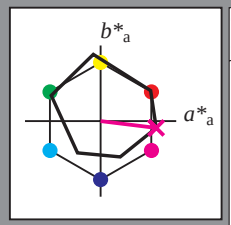




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.981$

$u^*_d = m00o$
LAB^*LAB^*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = m00o$ $u^*_e = b71r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



ORS20_95; CIELAB data

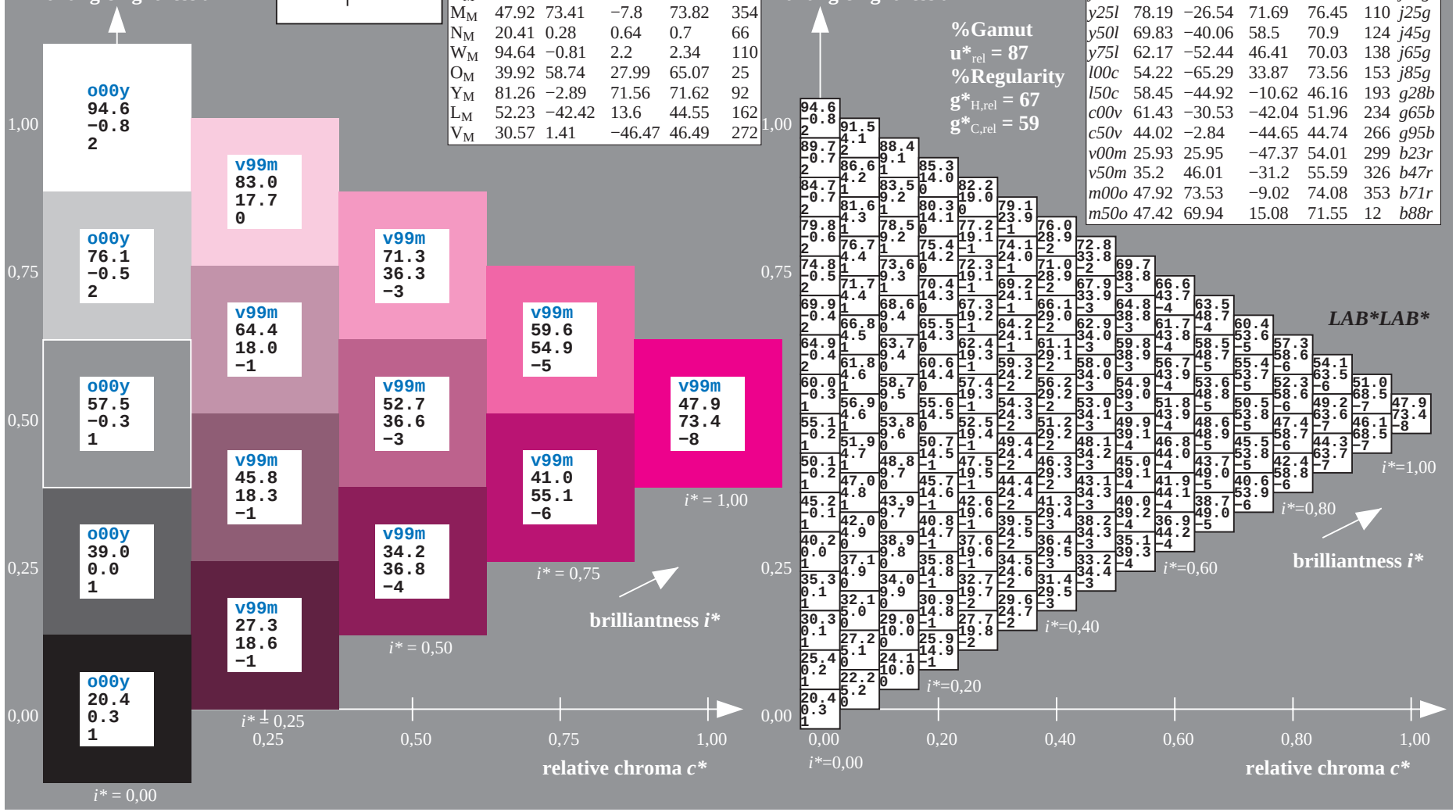
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 48 74 −9
$LAB^*LCH^*_{Ma}$: 48 74 353
$lab^*olv^*_{Ma}$: 1.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.57
triangle lightness t^*

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 67$
$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

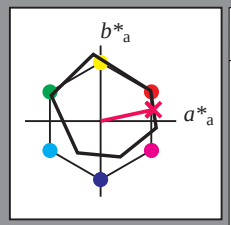
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.034$

$u^*_d = m50o$
LAB^*LAB^*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = m50o$ $u^*_e = b88r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



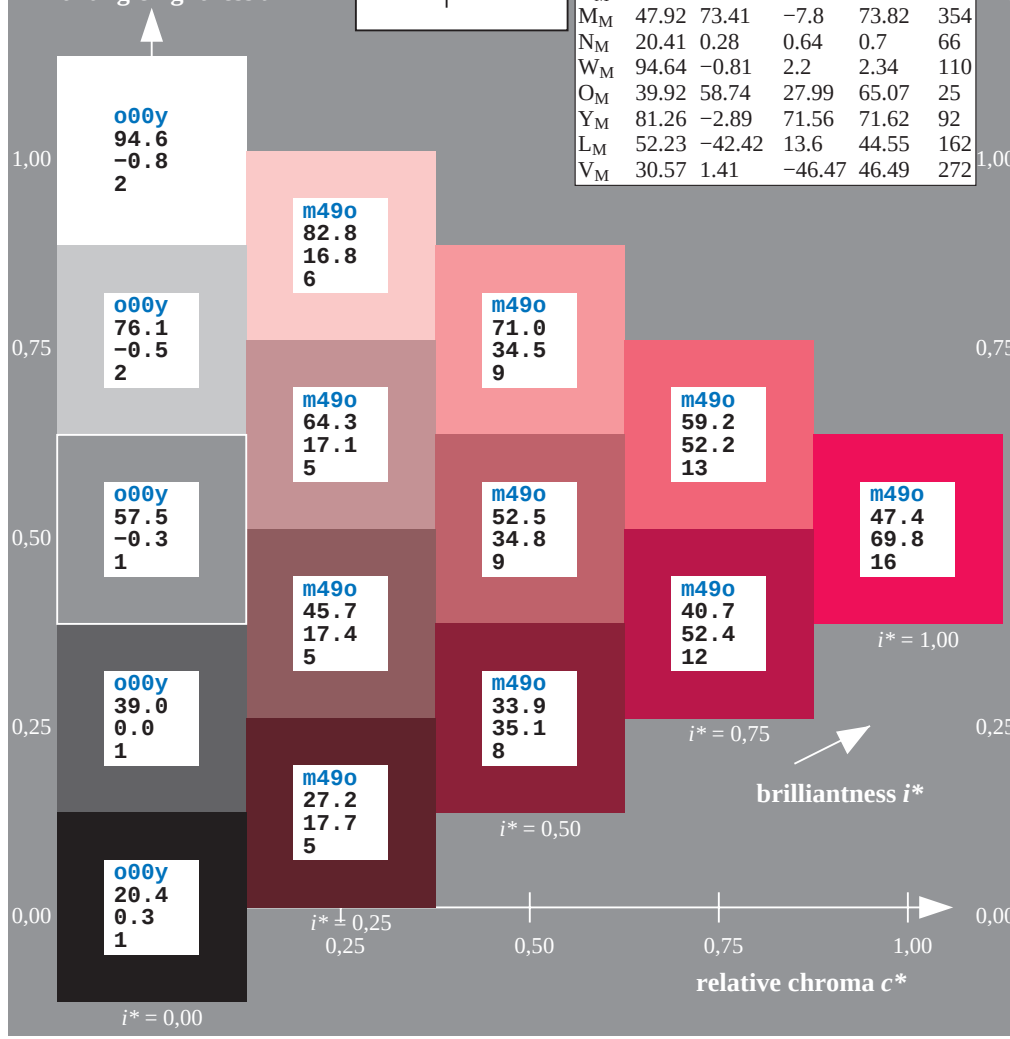
ORS20_95; CIELAB data

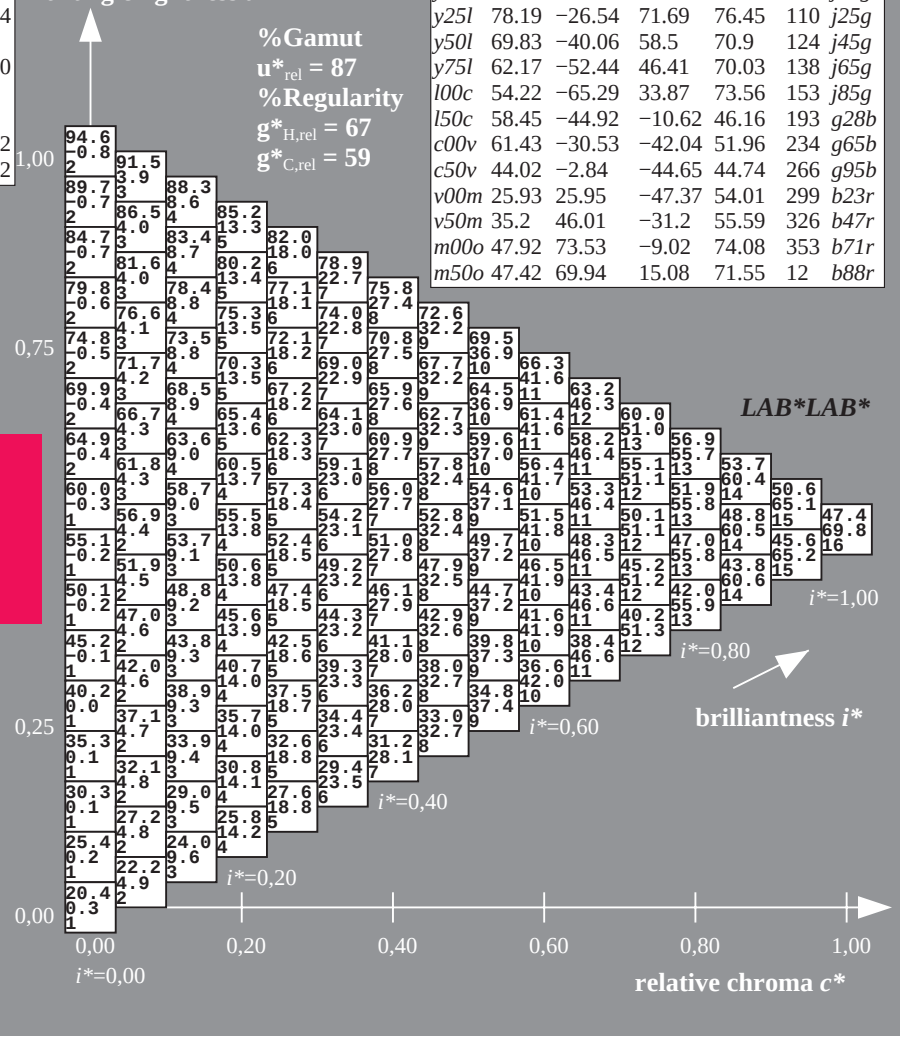
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 47 70 15
$LAB^*LCH^*_{Ma}$: 47 72 12
$lab^*olv^*_{Ma}$: 1.0 0.0 0.5
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.23
triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



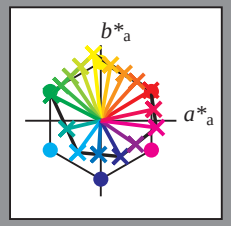


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*	LAB*	LAB*	LAB*
01	20.4	24.6	28.9	33.1	37.3	41.5	45.8	50.0	54.2	23.7	28.9	32.8	37.0	41.3	45.5	49.8	54.0	58.3	27.0	31.9	37.5	41.0	45.1	49.4	53.6	57.9	62.2	94.6	88.7	82.7	76.7	70.8	64.8	58.8	52.9	46.9	20.4	20.4	20.4	20.4
	0.3	-7.9	-16.2	-24.4	-32.6	-40.8	-49.1	-57.3	-65.5	8.5	-1.0	-9.9	-18.1	-26.2	-34.4	-42.6	-50.8	-59.0	16.7	7.8	-2.4	-11.8	-20.1	-28.3	-36.5	-44.6	-52.8	-0.8	7.6	15.9	24.3	32.6	41.0	49.4	57.7	66.1	0.3	0.3	0.3	0.3
	1	5	9	14	18	22	27	31	35	6	12	16	20	24	29	33	37	42	11	17	23	26	30	35	39	44	48	2	7	12	17	22	27	32	37	41	1	1	1	1
02	21.1	25.5	29.9	34.3	38.6	42.9	47.2	51.5	55.7	23.8	29.7	33.9	38.1	42.4	46.6	50.8	55.0	59.3	27.2	33.0	38.2	42.0	46.3	50.6	54.8	59.1	63.3	90.5	85.4	79.4	73.4	67.5	61.5	55.5	49.5	43.6	29.7	29.7	29.7	29.7
	3.5	-3.6	-11.1	-18.6	-26.4	-34.2	-42.2	-50.2	-58.3	9.4	0.1	-8.1	-16.3	-24.5	-32.8	-41.0	-49.2	-57.4	17.7	8.4	-1.2	-10.1	-18.2	-26.4	-34.6	-42.7	-50.9	-4.6	-0.7	7.7	16.0	24.4	32.8	41.1	49.5	57.9	0.1	0.1	0.1	0.1
	-5	-5	-2	1	4	8	12	15	19	0	1	5	9	14	18	22	27	31	5	6	12	16	20	24	29	33	38	-3	2	7	12	17	22	27	31	36	1	1	1	1
03	21.8	26.3	30.7	35.0	39.4	43.8	48.2	52.5	56.8	24.1	30.4	34.8	39.2	43.6	47.9	52.2	56.5	60.7	27.3	33.1	39.0	43.2	47.4	51.6	55.9	60.1	64.3	86.3	81.2	76.1	70.1	64.1	58.2	52.2	46.2	40.3	39.0	39.0	39.0	39.0
	6.7	-0.5	-7.5	-15.1	-22.5	-29.9	-37.5	-45.2	-53.0	11.7	3.4	-3.7	-11.2	-18.8	-26.5	-34.4	-42.3	-50.3	18.6	9.3	0.0	-8.2	-16.4	-24.7	-32.9	-41.1	-49.3	-8.3	-4.4	-0.5	7.8	16.2	24.5	32.9	41.3	49.6	0.0	0.0	0.0	0.0
	-11	-10	-10	-7	-4	-2	1	5	8	-7	-5	-4	-2	1	4	8	12	16	-1	0	1	5	10	14	18	23	27	-8	-3	2	7	12	17	21	26	31	1	1	1	1
04	22.5	27.3	31.3	35.8	40.1	44.5	48.9	53.3	57.7	24.8	31.1	35.6	39.9	44.3	48.7	53.1	57.4	61.8	27.3	33.4	39.7	44.1	48.5	52.8	57.2	61.5	65.8	82.2	77.1	71.9	66.8	60.8	54.9	48.9	42.9	37.0	48.2	48.2	48.2	48.2
	10.0	2.3	-4.1	-11.4	-19.1	-26.4	-33.8	-41.3	-48.8	14.9	6.6	-0.7	-7.6	-15.2	-22.6	-30.1	-37.7	-45.4	20.3	11.6	3.2	-3.9	-11.4	-18.9	-26.6	-34.5	-42.5	-12.1	-8.2	-4.3	-0.4	8.0	16.3	24.7	33.0	41.4	-0.1	-0.1	-0.1	-0.1
	-17	-16	-16	-15	-12	-9	-7	-4	-1	-13	-11	-10	-9	-7	-4	-1	2	5	-9	-7	-5	-4	-1	1	5	8	12	-14	-9	-4	2	7	11	16	21	26	1	1	1	1
05	23.2	28.1	32.2	36.2	40.9	45.2	49.6	54.0	58.4	25.5	31.8	36.5	40.5	45.1	49.4	53.8	58.2	62.6	27.8	34.0	40.3	44.9	49.2	53.6	58.0	62.4	66.7	78.0	72.9	67.8	62.7	57.5	51.6	45.6	39.6	33.7	57.5	57.5	57.5	57.5
	13.2	5.3	-1.3	-7.8	-15.3	-23.1	-30.5	-37.8	-45.2	18.1	9.8	2.2	-4.2	-11.5	-19.2	-26.6	-34.0	-41.4	23.2	14.8	6.5	-0.8	-7.8	-15.4	-22.7	-30.2	-37.8	-15.8	-11.9	-8.0	-4.2	-0.3	8.1	16.5	24.8	33.2	-0.3	-0.3	-0.3	-0.3
	-23	-22	-21	-21	-20	-17	-14	-12	-9	-19	-17	-16	-15	-15	-11	-9	-7	-4	-15	-13	-11	-10	-9	-6	-4	-1	2	-19	-14	-9	-4	1	6	11	16	21	1	1	1	1
06	23.9	28.9	33.2	37.1	41.3	46.0	50.4	54.7	59.1	26.1	32.4	37.4	41.5	45.5	50.2	54.5	58.9	63.3	28.4	34.7	41.0	45.8	49.8	54.3	58.7	63.1	67.5	73.9	68.8	63.6	58.5	53.4	48.2	42.3	36.3	30.3	66.8	66.8	66.8	66.8
	16.4	8.3	1.5	-4.9	-11.5	-19.2	-27.0	-34.5	-41.8	21.4	13.1	5.1	-1.4	-7.9	-15.4	-23.2	-30.6	-37.9	26.3	18.0	9.7	2.0	-4.4	-11.7	-19.4	-26.7	-34.1	-19.6	-15.7	-11.8	-7.9	-4.0	-0.1	8.2	16.6	25.0	-0.4	-0.4	-0.4	-0.4
	-29	-28	-27	-27	-26	-25	-22	-19	-17	-25	-23	-22	-21	-21	-20	-16	-14	-11	-21	-19	-17	-16	-15	-14	-11	-9	-6	-25	-19	-14	-9	-4	1	6	11	16	2	2	2	2
07	24.6	29.7	34.1	38.1	42.1	46.3	51.2	55.5	59.8	26.8	33.1	38.2	42.5	46.4	50.6	55.3	59.6	64.0	29.1	35.4	41.7	46.7	50.8	54.8	59.5	63.8	68.2	69.7	64.6	59.5	54.3	49.2	44.1	39.0	33.0	27.0	76.1	76.1	76.1	76.1
	19.7	11.4	4.4	-2.1	-8.5	-15.3	-23.1	-31.0	-38.4	24.6	16.3	8.2	1.4	-5.0	-11.6	-19.3	-27.1	-34.6	29.5	21.2	12.9	5.0	-1.6	-8.0	-15.6	-23.3	-30.7	-23.3	-19.4	-15.6	-11.7	-7.8	-3.9	0.0	8.4	16.7	-0.5	-0.5	-0.5	-0.5
	-35	-34	-33	-32	-32	-31	-30	-27	-24	-31	-29	-28	-27	-26	-26	-25	-21	-19	-27	-25	-23	-22	-21	-20	-20	-16	-14	-30	-25	-20	-14	-9	-4	1	6	11	2	2	2	2
08	25.2	30.5	35.0	39.1	43.0	47.1	51.4	56.3	60.6	27.5	33.8	39.0	43.4	47.4	51.4	55.6	60.5	64.7	29.8	36.1	42.4	47.5	51.7	55.7	59.8	64.6	68.9	65.6	60.5	55.3	50.2	45.1	39.9	34.8	29.7	23.7	85.4	85.4	85.4	85.4
	22.9	14.5	7.3	0.7	-5.7	-12.1	-19.1	-27.0	-34.9	27.9	19.5	11.3	4.2	-2.2	-8.6	-15.4	-23.2	-31.1	32.7	24.5	16.2	8.0	1.2	-5.2	-11.8	-19.4	-27.3	-27.1	-23.2	-19.3	-15.4	-11.5	-7.6	-3.7	0.1	8.5	-0.7	-0.7	-0.7	-0.7
	-41	-40	-39	-38	-38	-37	-36	-35	-32	-37	-35	-34	-33	-32	-32	-31	-30	-26	-33	-31	-29	-28	-27	-26	-26	-25	-21	-35	-30	-25	-20	-15	-9	-4	1	6	2	2	2	2
09	25.9	31.2	35.8	40.0	44.0	48.0	52.1	56.5	61.4	28.2	34.5	39.8	44.3	48.4	52.3	56.4	60.7	65.6	30.5	36.8	43.1	48.3	52.7	56.7	60.7	64.9	69.7	61.4	56.3	51.2	46.0	40.9	35.8	30.7	25.5	20.4	94.6	94.6	94.6	94.6
	26.2	17.7	10.3	3.5	-2.9	-9.3	-15.8	-22.9	-30.8	31.1	22.8	14.4	7.1	0.5	-5.8	-12.3	-19.2	-27.1	36.0	27.7	19.4	11.1	4.1	-2.4	-8.8	-15.6	-23.3	-30.8	-27.0	-23.1	-19.2	-15.3	-11.4	-7.5	-3.6	0.3	-0.8	-0.8	-0.8	-0.8
	-47	-46	-45	-44	-44	-43	-42	-41	-41	-43	-41	-40	-39	-38	-37	-37	-36	-35	-39	-36	-34	-34	-33	-32	-31	-31	-30	-41	-35	-30	-25	-20	-15	-10	-5	1	2	2	2	2
10	30.3	35.3	40.0	46.0	49.3	53.3	57.5	61.7	66.0	33.7	38.8	43.4	48.3	54.5	57.7	61.5	65.6	69.8	37.0	42.2	46.8	51.5	56.6	63.1	66.1	69.8	73.9	94.6	93.9	93.1	92.4	91.6	90.9	90.2	89.4	88.7	20.4	20.4	20.4	20.4
	25.0	15.8	7.2	-3.7	-13.4	-22.0	-30.3	-38.5	-46.7	33.2	23.8	15.4	6.4	-5.0	-15.0	-23.8	-32.2	-40.5	41.4	31.9	23.3	14.8	5.4	-6.4	-16.5	-25.5	-34.1	-0.8	-2.0	-3.2	-4.4	-5.6	-6.8	-8.0	-9.1	-10.3	0.3	0.3	0.3	0.3
	16	22	27	34	37	41	45	50	54	21	27	32	38	45	48	52	56	60	26	32	38	43	49	57	59	63	67	2	13	24	35	46	57	68	79	90	1	1	1	1
11	30.5	36.3	41.2	46.8	50.3	54.4	58.6	62.9	67.2	33.8	39.6	44.6	49.3	55.3	58.6	62.6	66.8	71.0	37.1	42.9	48.1	52.7	57.6	63.8	67.0	70.8	74.9	86.1	85.4	84.6	83.9	83.1	82.4	81.6	80.9	80.1	25.4	25.4	25.4	25.4
	25.9	16.6	7.7	-2.5	-11.9	-20.2	-28.4	-36.6	-44.8	34.2	24.8	15.7	7.1	-3.8	-13.5	-22.1	-30.4	-38.6	42.4	33.0	23.7	15.2	6.2	-5.2	-15.1	-23.9	-32.4	2.6	-0.7	-1.9	-3.1	-4.2	-5.4	-6.6	-7.8	-9.0	0.2	0.2	0.2	0.2
	10	11	17	23	26	31	35	39	44	15	16	22	27	34	37	41	45	50	20	21	27	33	38	46	48	52	56	-4	2	13	24	35	46	57	68	79	1	1	1	1
12	30.6	36.4	42.3	47.5	51.3	55.6	59.8	64.1	68.4	33.9	39.8	45.6	50.5	56.0	59.5	63.7	67.9	72.2	37.2	43.1	48.9	53.9	58.6	64.6	67.9	71.9	76.0	77.5	76.8	76.1	75.3	74.6	73.8	73.1	72.3	71.6	30.3	30.3	30.3	30.3
	26.8	17.5	8.2	-1.3	-10.2	-18.4	-26.5	-34.7	-42.9	35.1	25.8	16.5	7.6	-2.6	-12.0	-20.4	-28.6	-36.7	43.3	34.0	24.7	15.5	6.9	-4.0	-13.7	-22.3	-30.6	5.9	2.7	-0.5	-1.7	-2.9	-4.1	-5.3	-6.5	-7.7	0.1	0.1	0.1	0.1
	4	5	6	12	16	20	25	29	33	8	10	11	17	23	27	31	35	40	13	15	16	22	28	35	37	41	46	-10	-4	2	13	24	35	46	57	68	1	1	1	1
13	30.7	36.6	42.4	48.2	52.5	56.7	60.9	65.2	69.4	34.0	39.9	45.7	51.6	56.8	60.6	64.9	69.1	73.4	37.4	43.2	49.0	54.9	59.7	65.3	68.8	73.0	77.2	68.9	68.2	67.5	66.8	66.1	65.3	64.6	63.8	63.1	35.3	35.3	35.3	35.3
	27.7	18.4	9.1	-0.1	-8.4	-16.6	-24.8	-33.0	-41.2	35.9	26.7	17.4	8.1	-1.5	-10.3	-18.5	-26.7	-34.8	44.2	34.9	25.6	16.3	7.4	-2.8	-12.2	-20.5	-28.7	9.3	6.1	2.8	-0.4	-1.6	-2.8	-4.0	-5.2	-6.4	0.1	0.1	0.1	0.1
	-3	-1	0	1	6	10	14	19	23	3	4	5	6	12	16	20	25	29	7	9	10	11	17	24	27	31	35	-16	-10	-4	2	13	24	35	46	57	1	1	1	1
14	30.5	36.5	42.7	48.9	53.4	57.8	62.1	66.4	70.7	34.2	40.0	45.8	51.7	57.5	61.8	66.0	70.2	74.4	37.5	43.3	49.2	55.0	60.8	66.1	69.9	74.1	78.4	60.3	59.6	58.9	58.2	57.5	56.8	56.0	55.3	54.5	40.2	40.2	40.2	40.2
	29.0	20.1	11.5	3.1	-4.0	-11.5	-19.0	-26.8	-34.7	36.8	27.6	18.3	9.0	-0.3	-8.5	-16.7	-24.9	-33.2	45.1	35.8	26.5	17.3	8.0	-1.6	-10.5	-18.6	-26.8	12.7	9.4	6.2	3.0	-0.3	-1.5	-2.6	-3.8	-5.0	0.0	0.0	0.0	0.0
	-10	-8	-7	-5	-4	-1	2	5	8	-4	-2	-1	0	1	6	10	14	19	2	3	4	5	7	13	16	21	25	-22	-16	-10	-4	1	12	23	34	45	1	1	1	1
15	30.9	37.1	43.3	49.6	54.1	58.5	62.9	67.3	71.6	33.8	39.8	45.8	51.9	58.2	62.7	67.0	71.4	75.7	37.6	43.4	49.3	55.1	61.0	66.8	71.0	75.3	79.5	51.7	51.0	50.3	49.6	48.9	48.2	47.5	46.8	46.0	45.2	45.2	45.2	45.2
	31.7	23.0	14.6	6.3	-0.9	-7.9	-15.5	-22.9	-30.4	37.9	28.9	20.0	11.3	3.0	-4.2	-11.6	-19.2	-26.9	46.0	36.7	27.4	18.2	8.9	-0.4	-8.6	-16.8	-25.1	16.0	12.8	9.6	6.3	3.1	-0.1	-1.3	-2.5	-3.7	-0.1	-0.1	-0.1	-0.1
	-16	-15	-13	-11	-10	-9	-6	-4	-1	-11	-10	-8	-6	-4	-4	-1	2	5	-5	-3	-2	-1	0	2	6	10	15	-28	-22	-16	-11	-5	1	12	23	34	1	1	1	1
16	31.5	37.7	44.0	50.3	55.1	59.1	63.6	68.0	72.4	34.1	40.2	46.4	52.6	58.9	63.4	67.8	72.1	76.5	37.2	43.1	49.1	55.1	61.2	67.5	71.9	76.3	80.7	43.1	42.4	41.7	41.0	40.3	39.7	39.0	38.2	37.5	50.1	50.1	50.1	50.1
	34.6	26.2	17.9	9.6	1.9	-4.5	-11.8	-19.5	-26.9	40.3	31.5	22.9	14.5	6.2	-1.1	-8.0	-15.6	-23.0	46.9	37.8	28.8	19.9	11.2	2.8	-4.3	-11.8	-19.3	19.4	16.2	12.9	9.7	6.5	3.2	0.0	-1.2	-2.4	-0.2	-0.2	-0.2	-0.2
	-23	-21	-19	-16	-16	-15	-14	-11	-9	-18	-16	-14	-12	-10	-10	-9	-6	-3	-12	-11	-10	-8	-6	-4	-4	-1	2	-34	-29	-23	-17	-11	-5	1	12	23	1	1	1	1
17	32.1	38.4	44.7	51.0	56.0	60.1	64.1	68.8	73.1	34.6	40.8	47.0	53.3	59.6	64.4	68.4	72.9	77.2	37.4	43.4	49.5	55.6	61.9	68.2	72.7	77.1	81.4	34.5	33.8	33.1	32.4	31.8	31.1	30.4	29.7	28.9	55.1	55.1	55.1	55.1
	37.7	29.4	21.1	12.8	4.9	-1.7	-8.2	-15.7	-23.5	43.1	34.5	26.0	17.7	9.4	1.8	-4.7	-11.9	-19.6	49.0	40.1	31.4	22.8	14.3	6.1	-1.2	-8.2	-15.8	22.8	19.5	16.3	13.1	9.8	6.6	3.4	0.1	-1.0	-0.2	-0.2	-0.2	-0.2
	-29	-27	-24	-22	-22	-21	-20	-19	-16	-24	-22	-20	-18	-16	-15	-15	-14	-11	-19	-18	-16	-14	-12	-10	-9	-9	-6	-41	-35	-29	-23	-17	-11	-5	1	12	1	1	1	1
18	32.8	39.1	45.4	51.7	56.8	61.0	65.0	69.1	73.9	35.2	41.4	47.7	54.0	60.3	65.2	69.3	73.4	78.0	37.8	43.9	50.1	56.3	62.6	68.9	73.6	77.6	82.2	25.9	25.2	24.6	23.9	23.2	22.5	21.8	21.1	20.4	60.0	60.0	60.0	60.0
	40.9	32.6	24.3	16.0	7.9	1.1	-5.3	-11.9	-19.6	46.1	37.6	29.2	21.0	12.7	4.7	-1.9	-8.3	-15.8	51.6	42.9	34.4	25.9	17.6	9.3	1.6	-4.8	-12.1	26.2	22.9	19.7	16.4	13.2	10.0	6.7	3.5	0.3	-0.3	-0.3	-0.3	-0.3
	-34	-32	-30	-28	-27	-27	-26	-25	-25	-30	-28	-26	-24	-22	-21	-21	-20	-19	-26	-24	-22	-20	-18	-16	-15	-15	-14	-47	-41	-35	-29	-23	-17	-11	-5	1	1	1	1	1
19	40.3	45.5	50.3	54.9	59.7	65.0	71.6	74.6	78.2	43.6	48.9	53.7	58.3	63.0	67.9	73.5	80.1	83.0	46.9	52.3	57.1	61.8	66.4	71.1	76.2	81.9	88.7	94.6	89.6	84.5	79.5	74.4	69.4	64.3	59.3	54.2	64.9	64.9	64.9	64.9
	49.6	40.0	31.3	22.9	14.2	4.3	-7.7	-17.9	-27.1	57.9	48.1	39.3	30.9	22.4	13.4	3.2	-9.0	-19.3	66.1	56.3	47.3	38.9	30.5	21.8	12.5	2.0	-10.3	-0.8	-8.9	-17.0	-25.1	-33.2	-41.2	-49.3	-57.4	-65.5	-0.4	-0.4	-0.4	-0.4
	31	37	43	48	54	60	68	70	74	36	43	48	54	59	65	71	79	81	41	48	53	59	64	70	76	82	90	2	6	10	15	19	23	27	31	35	2	2	2	2
20	40.4	46.2	51.4	56.1	60.8	65.9	72.3	75.4	79.1	43.7	49.5	54.8	59.6	64.2	68.9	74.3	80.9	83.8	47.0	52.9	58.2	63.0	67.6	72.2	77.2	82.7	89.4	88.8	85.4	80.3	75.3	70.2	65.2	60.1	55.0	50.0	69.9	69.9	69.9	69.9
	50.6	41.3	31.7	23.2	14.7	5.3	-6.5	-16.6	-25.6	58.9	49.5	39.8	31.2	22.8	14.0	4.2	-7.8	-18.1	67.1	57.7	48.0	39.2	30.8	22.3	13.2	3.1	-9.1	8.5	-0.7	-8.8	-16.8	-24.9	-33.0	-41.1	-49.2	-57.3	-0.4	-0.4	-0.4	-0.4
	25	26	32	38	43	49	57	59	63	30	31	38	43	49	54	60	68	70	35	37	43	48	54	59	65	71	79	1	2	6	10	14	19	23	27	31	2	2	2	2
21	40.5	46.4	52.2	57.3	61.9	66.9	73.1	76.2	80.1	43.9	49.7	55.5	60.7	65.4	70.0	75.2	81.6	84.7	47.2	53.0	58.8	64.1	68.8	73.4	78.2	83.6	90.2	83.0	79.5	76.1	71.0	66.0	60.9	55.9	50.8	45.8	74.8	74.8	74.8	74.8
	51.5	42.3	32.9	23.5	15.1	6.1	-5.3	-15.2	-24.1	59.8	50.5	41.1	31.6	23.1	14.6	5.1	-6.6	-16.7	68.0	58.7	49.4	39.7	31.0	22.6	13.9	4.1	-8.0	17.7	8.6	-0.5	-8.6	-16.7	-24.8	-32.9	-41.0	-49.1	-0.5	-0.5	-0.5	-0.5
	18	20	21	27	33	39	46	48	52	23	25	27	33	38	44	50	57	59	28	30	32	38	43	49	54	61	68	0	1	2	6	10	14	18	22	27	2	2	2	2
22	40.7	46.5	52.3	58.2	63.2	67.9	73.8	77.1	81.1	44.0	49.8	55.7	61.5	66.6	71.2	76.1	82.4	85.5	47.3	53.1	59.0	64.8	70.0	74.7	79.3	84.5	90.9	77.1	73.7	70.2	66.8	61.8	56.7	51.6	46.6	41.5	79.8	79.8	79.8	79.8
	52.4	43.2	33.9	24.5	15.4	6.8	-4.1	-13.8	-22.4	60.7	51.4	42.1	32.8	23.4	15.0	6.0	-5.4	-15.4	68.9	59.7	50.3	41.0	31.5	22.9	14.4	5.0	-6.8	27.0	17.9	8.7	-0.4	-8.5	-16.6	-24.7	-32.8	-40.8	-0.6	-0.6	-0.6	-0.6
	12	14	15	17	22	28	35	38	42	17	19	20	22	28	33	39	46	49	22	24	25	27	33	38	44	50	57	-2	0	1	2	6	10	14	18	22	2	2	2	2
23	40.8	46.6	52.5	58.3	64.1	69.0	74.6	78.1	82.2	44.1	49.9	55.8	61.6	67.5	72.5	77.1	83.1	86.4	47.4	53.3	59.1	64.9	70.8	75.9	80.5	85.4	91.6	71.3	67.8	64.4	61.0	57.5	52.5	47.4	42.4	37.3	84.7	84.7	84.7	84.7
	53.3	44.1	34.8	25.5	16.2	7.3	-2.9	-12.3	-20.7	61.6	52.3	43.0	33.7	24.4	15.3	6.7	-4.2	-14.0	69.8	60.6	51.3	42.0	32.6	23.3	14.8	5.8	-5.6	36.3	27.2	18.0	8.9	-0.3	-8.4	-16.4	-24.5	-32.6	-0.7	-0.7	-0.7	-0.7
	6	8	9	10	12	17	24	27	31	11	13	14	15	17	23	28	35	38	16	18	19	20	22	28	33	39	46	-3	-2	-1	0	1	6	10	14	18	2	2	2	2
24	40.9	46.8	52.6	58.4	64.3	70.1	75.3	79.2	83.4	44.2	50.1	55.9	61.7	67.6	73.4	78.3	83.9	87.4	47.5	53.4	59.2	65.1	70.9	76.7	81.7	86.4	92.4	65.4	62.0	58.6	55.1	51.7	48.2	43.2	38.1	33.1	89.7	89.7	89.7	89.7
	54.2	44.9	35.7	26.4	17.1	7.8	-1.7	-10.6	-18.8	62.5	53.2	43.9	34.6	25.4	16.0	7.1	-3.1	-12.4	70.7	61.4	52.2	42.9	33.6	24.3	15.1	6.5	-4.4	45.6	36.4	27.3	18.2	9.0	-0.1	-8.2	-16.3	-24.4	-0.7	-0.7	-0.7	-0.7
	0	2	3	4	5	7	13	16	21	5	7	8	9	10	12	18	24	27	10	12	13	14	15	17	23	28	35	-4	-3	-2	-1	0	1	5	9	14	2	2	2	2
25	41.0	46.9	52.7	58.6	64.4	70.2	76.1	80.3	84.5	44.4	50.2	56.0	61.9	67.7	73.6	79.4	84.6	88.4	47.7	53.5	59.3	65.2	71.0	76.9	82.7

Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
u^*_d and number *no.* = 00 .. 15
device hue text:
u^*_d = 16 hues *o00y, o25y, ..., m50o*
contrast reduction factor:
c_R = 1.0

ORS20_95a; adapted (a) CIELAB data

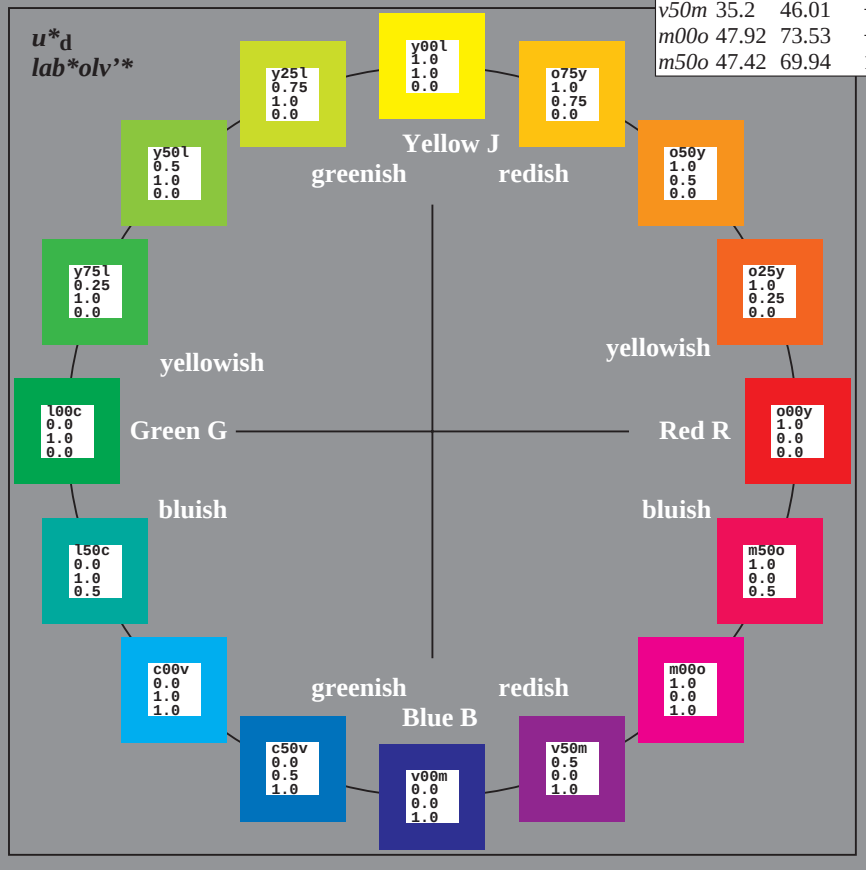
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

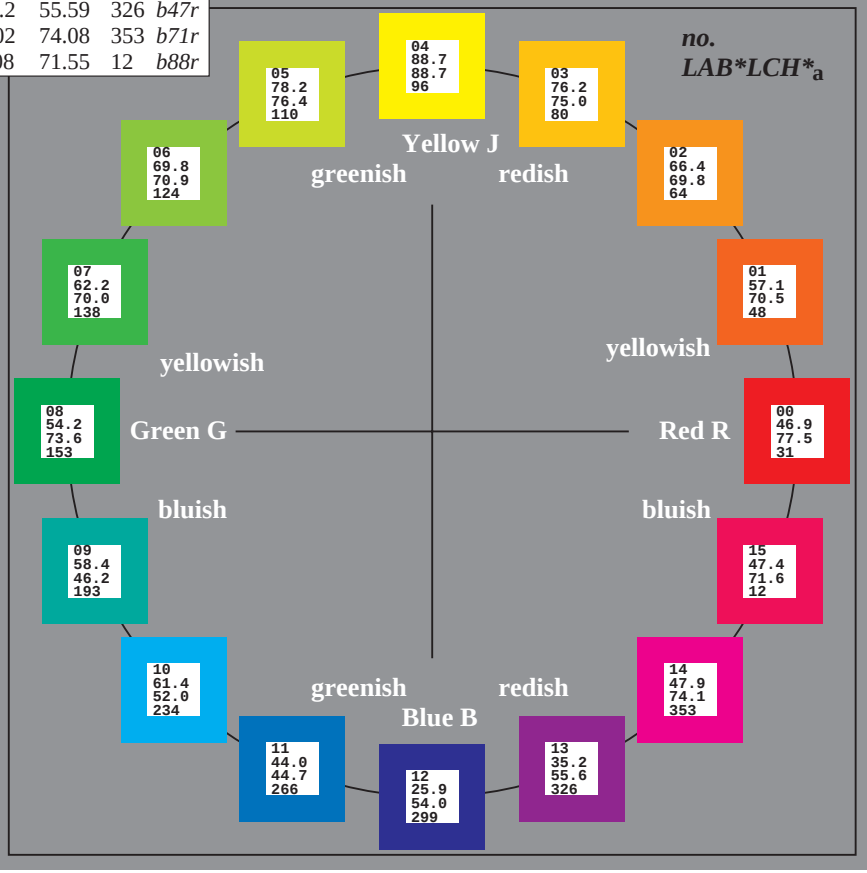


%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 67
$g^*_{C,rel}$ = 59

ORS20_95a; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	−46.47	46.49	272





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$

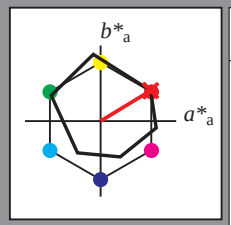
u^*_d = *o00y*
lab*olv'*

data for any colour:
*lab*tch** and *lab*icu**

Hue texts:
u^*_d = *o00y* u^*_e = *r09j*

contrast reduction factor:
$c_R = 1.0$

triangle lightness *t**



ORS20_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 47 66 40**

***LAB*LCH**$_{Ma}$: 47 77 31**

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

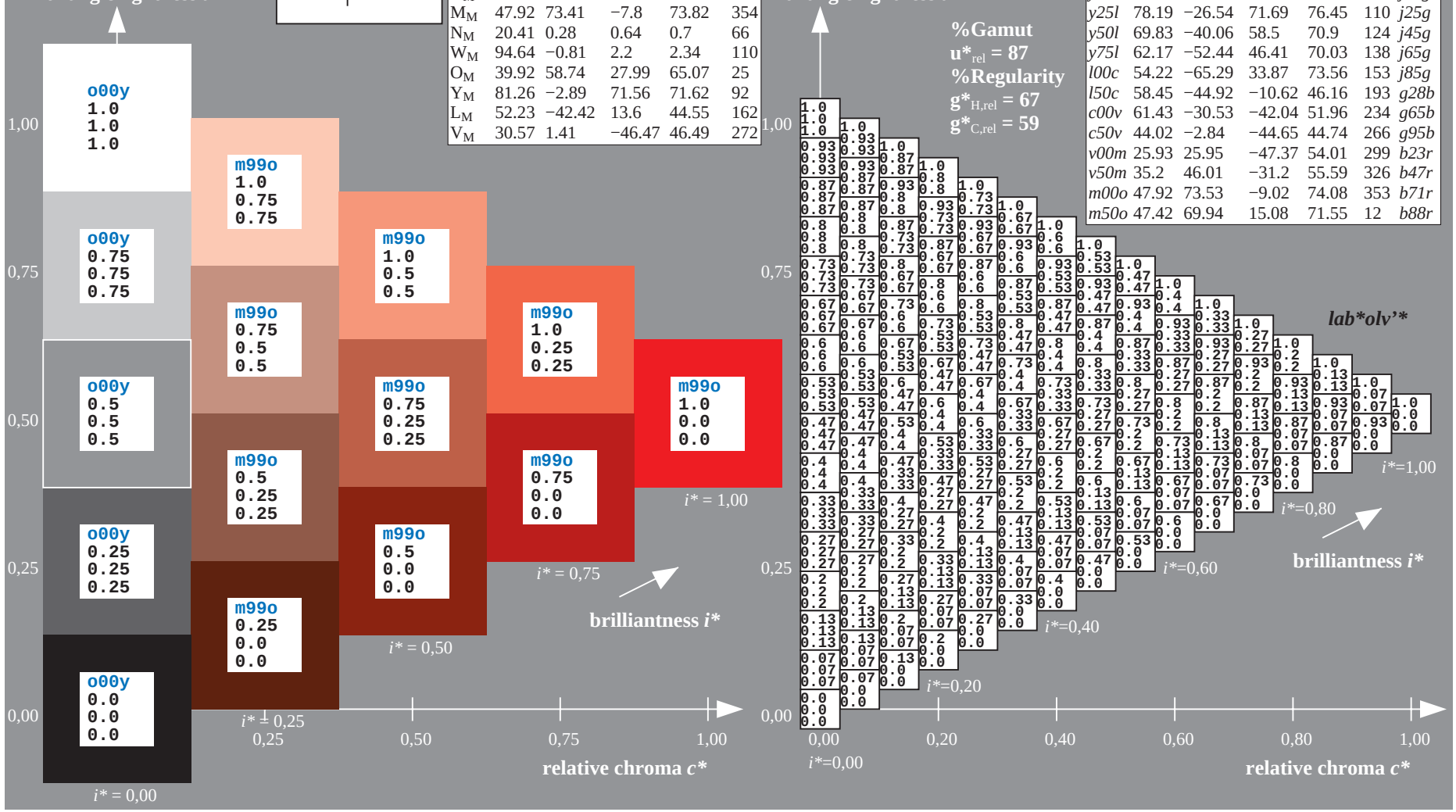
***lab*rgb**$_{Ma}$: 1.0 0.09 0.0**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

triangle lightness *t**

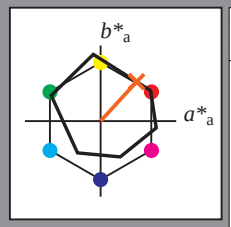
%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 67
$g^*_{C,rel}$ = 87



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$

u^*_d = *o25y*
lab*olv'*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *o25y* u^*_e = *r33j*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



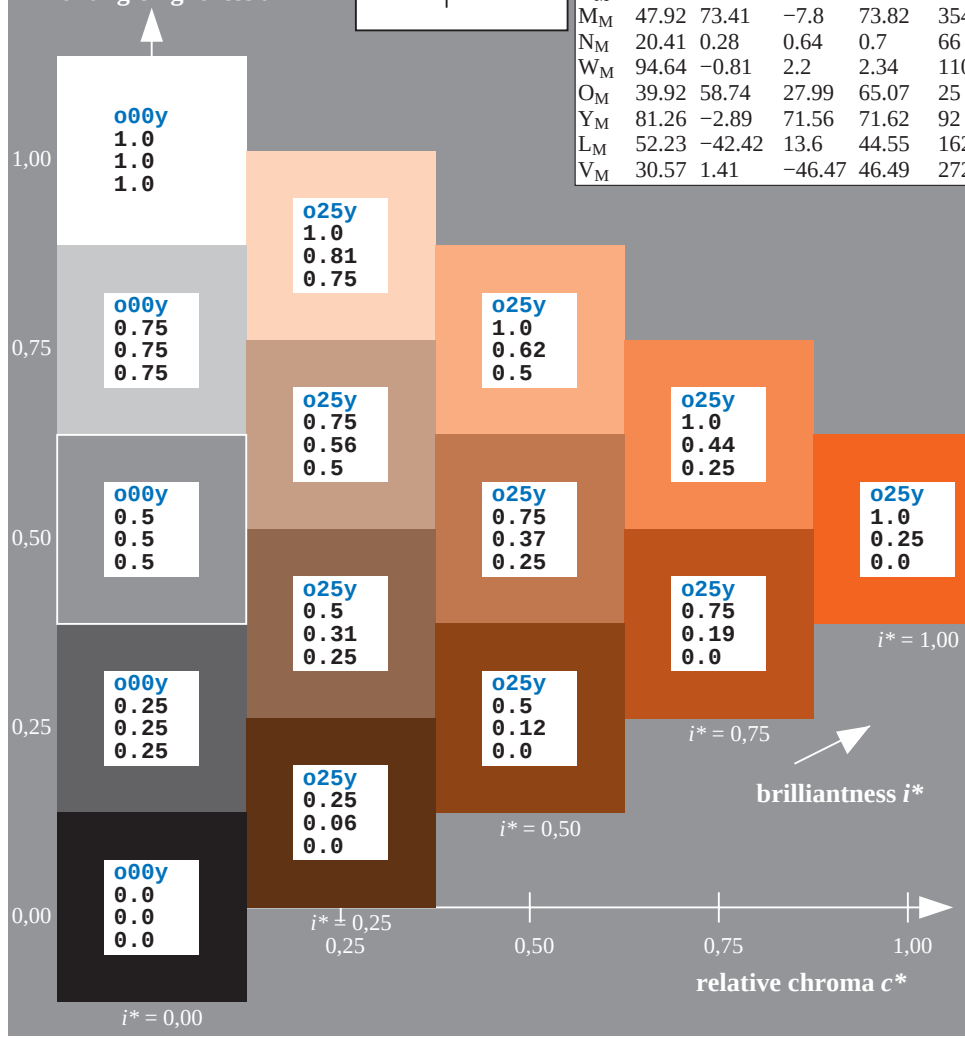
ORS20_95a; CIELAB data

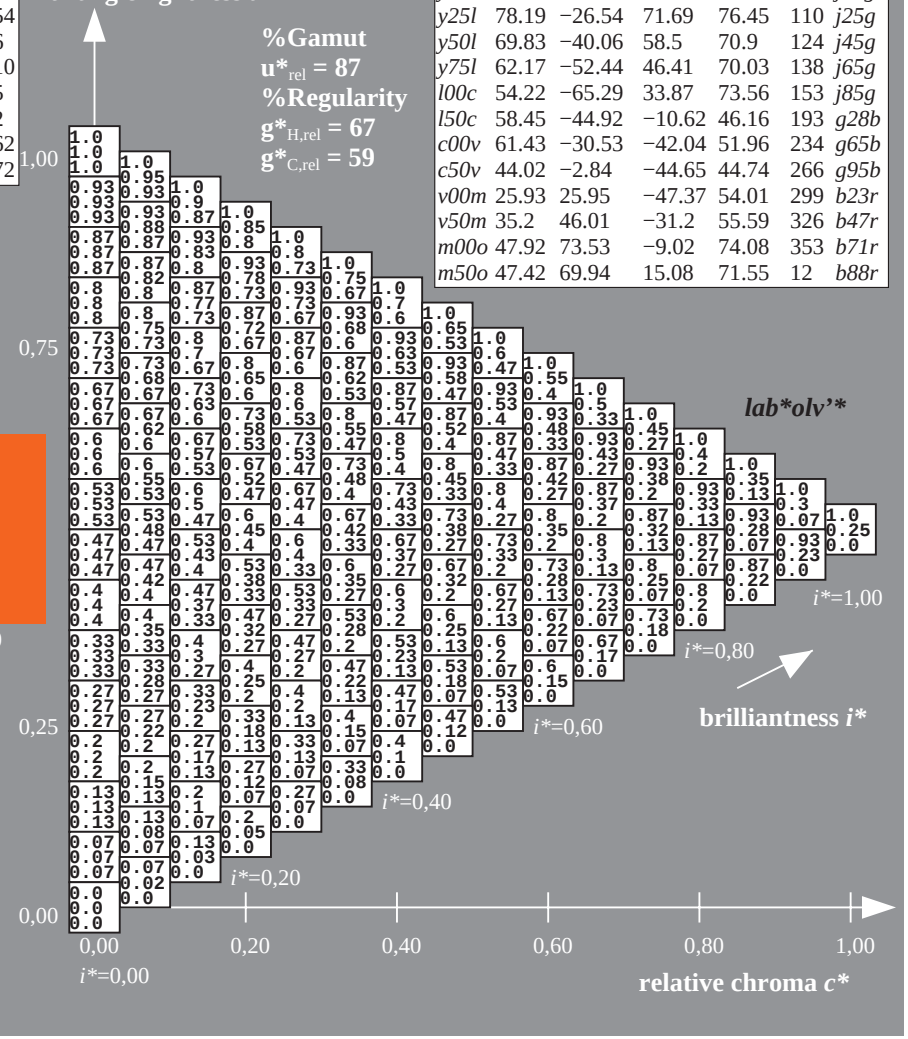
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 57 48 52
LAB*LCH*$_{Ma}$: 57 71 47
lab*olv*$_{Ma}$: 1.0 0.25 0.0
lab*rgb*$_{Ma}$: 1.0 0.33 0.0
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

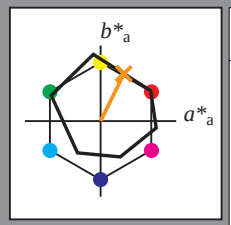




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.177$

**u^*_d = *o50y*
*lab*olv'**

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_d = *o50y* u^*_e = *r57j*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS20_95a; CIELAB data

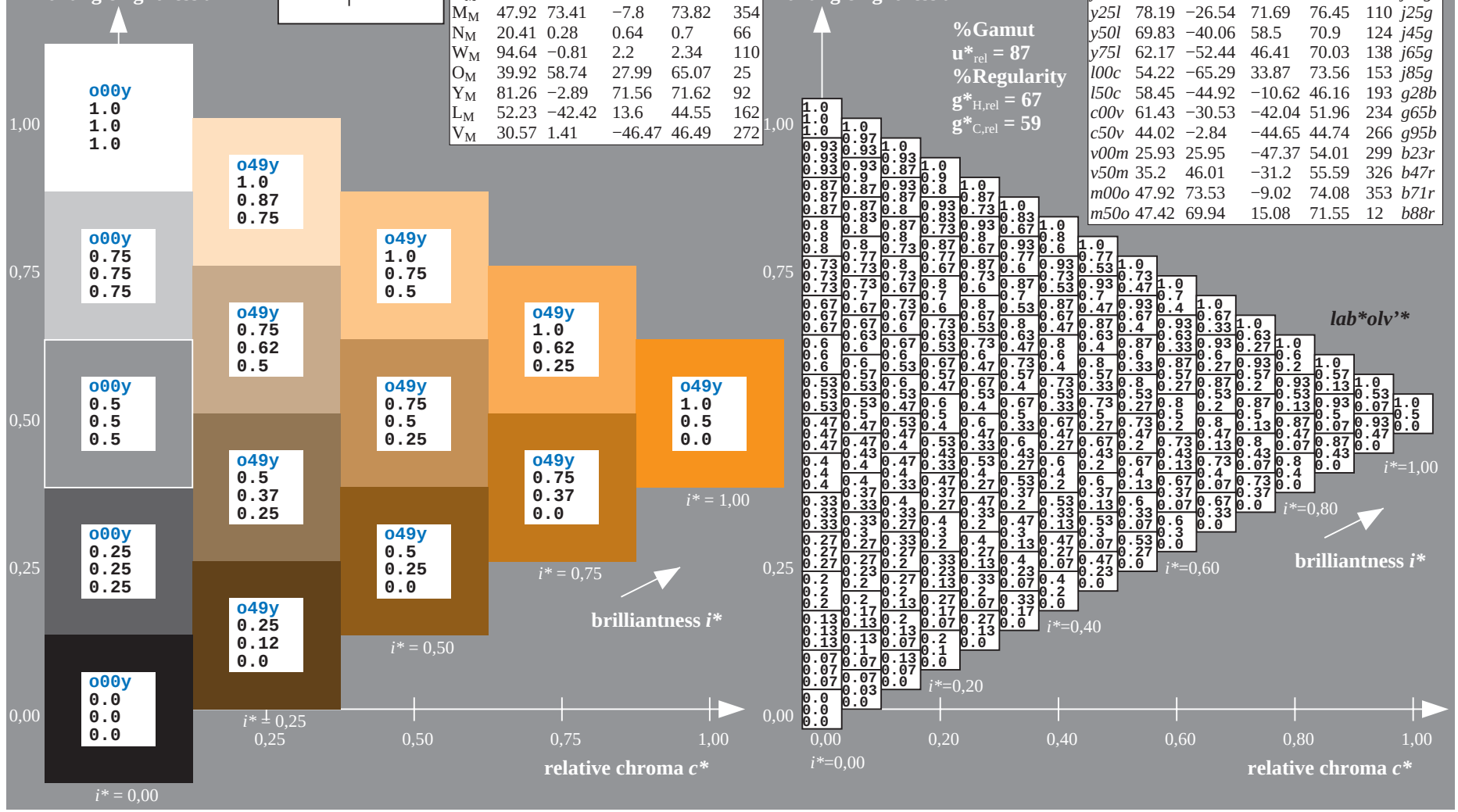
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 66 31 63**
***LAB*LCH*$_{Ma}$*: 66 70 63**
***lab*olv*$_{Ma}$*: 1.0 0.5 0.0**
***lab*rgb*$_{Ma}$*: 1.0 0.57 0.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 67
$g^*_{C,rel}$ = 87



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.222$

data for any colour:

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

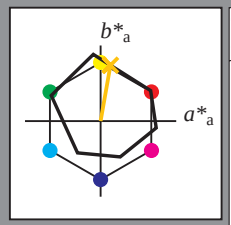
Hue texts:

u^*_d = *o75y* u^*_e = *r81j*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 76 13 74

*LAB*LCH**$_{Ma}$: 76 75 79

*lab*olv**$_{Ma}$: 1.0 0.75 0.0

*lab*rgb**$_{Ma}$: 1.0 0.82 0.0

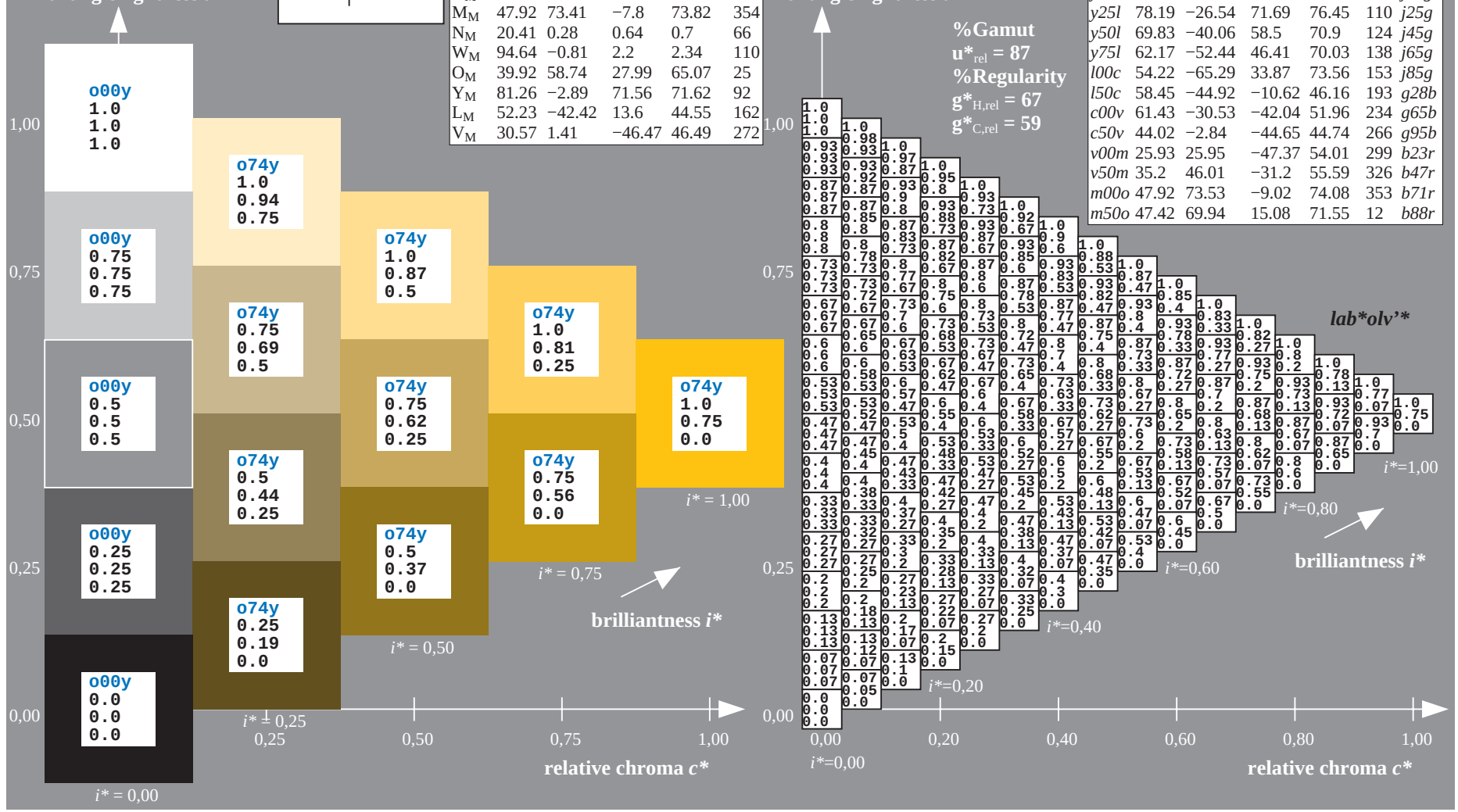
triangle lightness *t**

u^*_d = *o75y*

*lab*olv'**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.267$

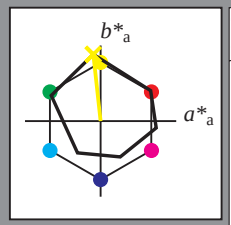
$u^*_d = y00l$
lab*olv'*

data for any colour:
*lab*tch** and *lab*icu**

Hue texts:
$u^*_d = y00l$ $u^*_e = j06g$

contrast reduction factor:
$c_R = 1.0$

triangle lightness *t**



ORS20_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*$_{Ma}$*: 89 −10 88**

***LAB*LCH*$_{Ma}$*: 89 89 96**

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

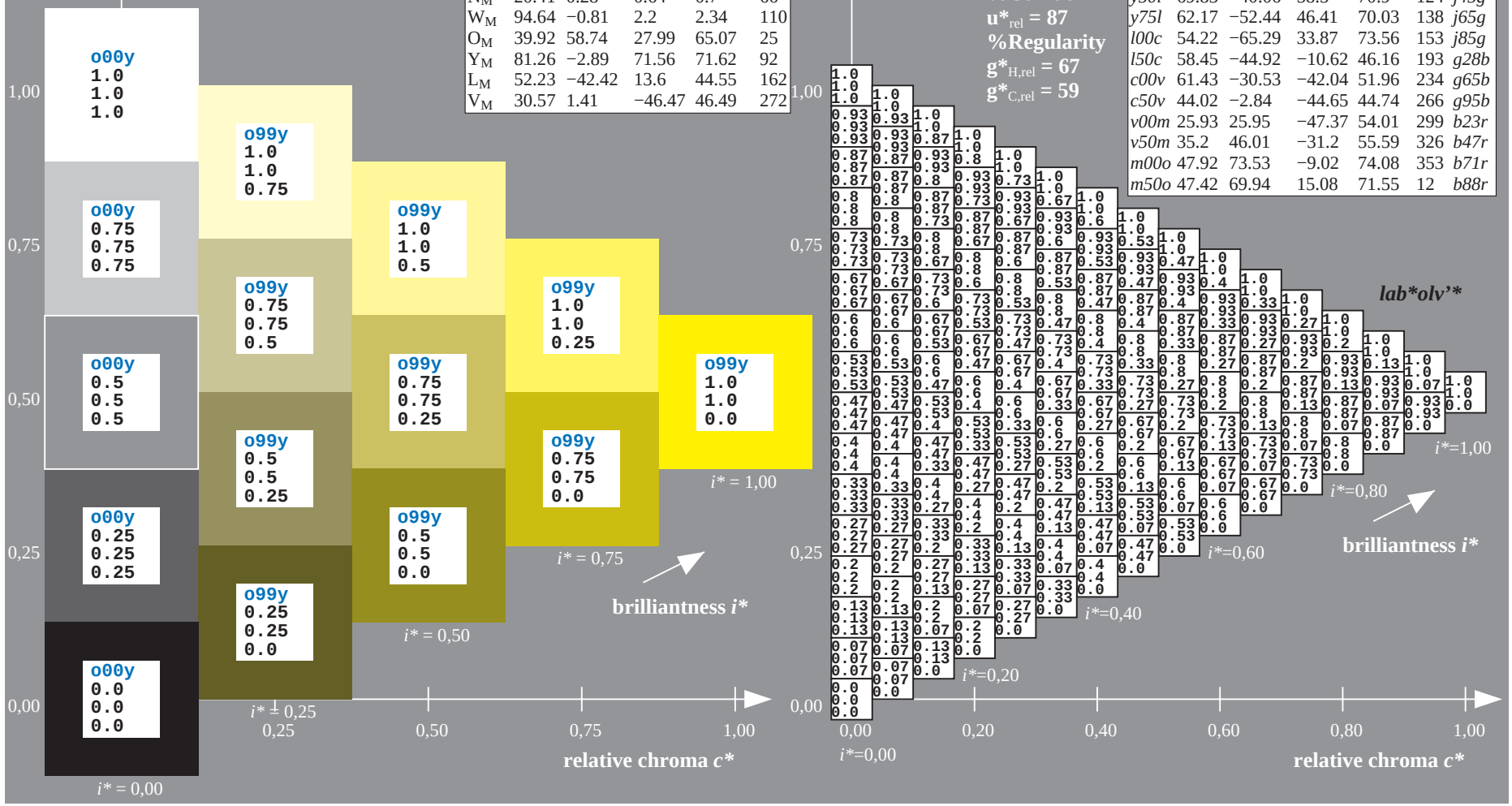
***lab*rgb*$_{Ma}$*: 0.94 1.0 0.0**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 67$
$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.306$

data for any colour:

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

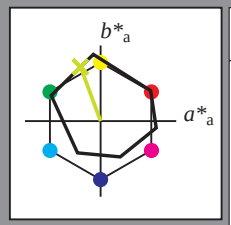
Hue texts:

$u^*_d = y25l$ $u^*_e = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 78 −27 72

*LAB*LCH**$_{Ma}$: 78 76 110

*lab*olv**$_{Ma}$: 0.75 1.0 0.0

*lab*rgb**$_{Ma}$: 0.74 1.0 0.0

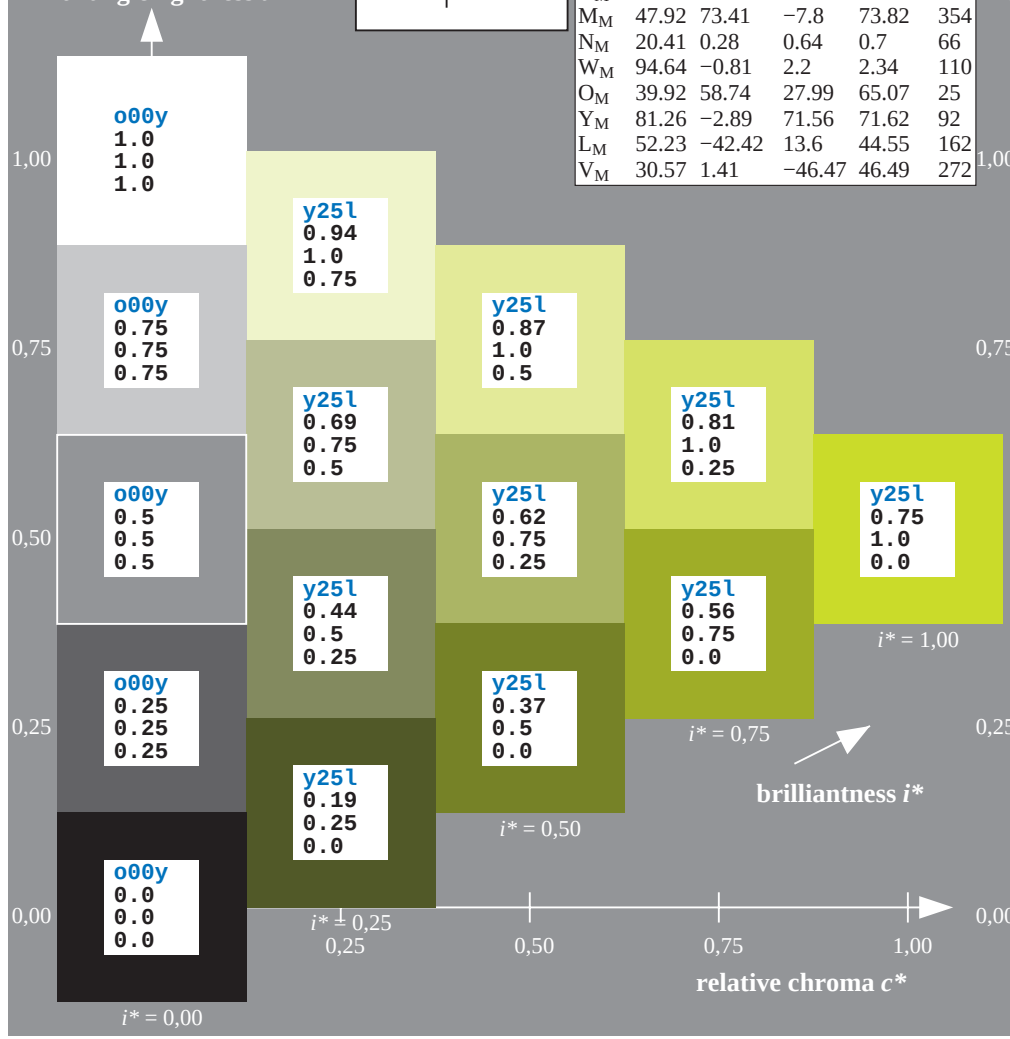
triangle lightness *t**

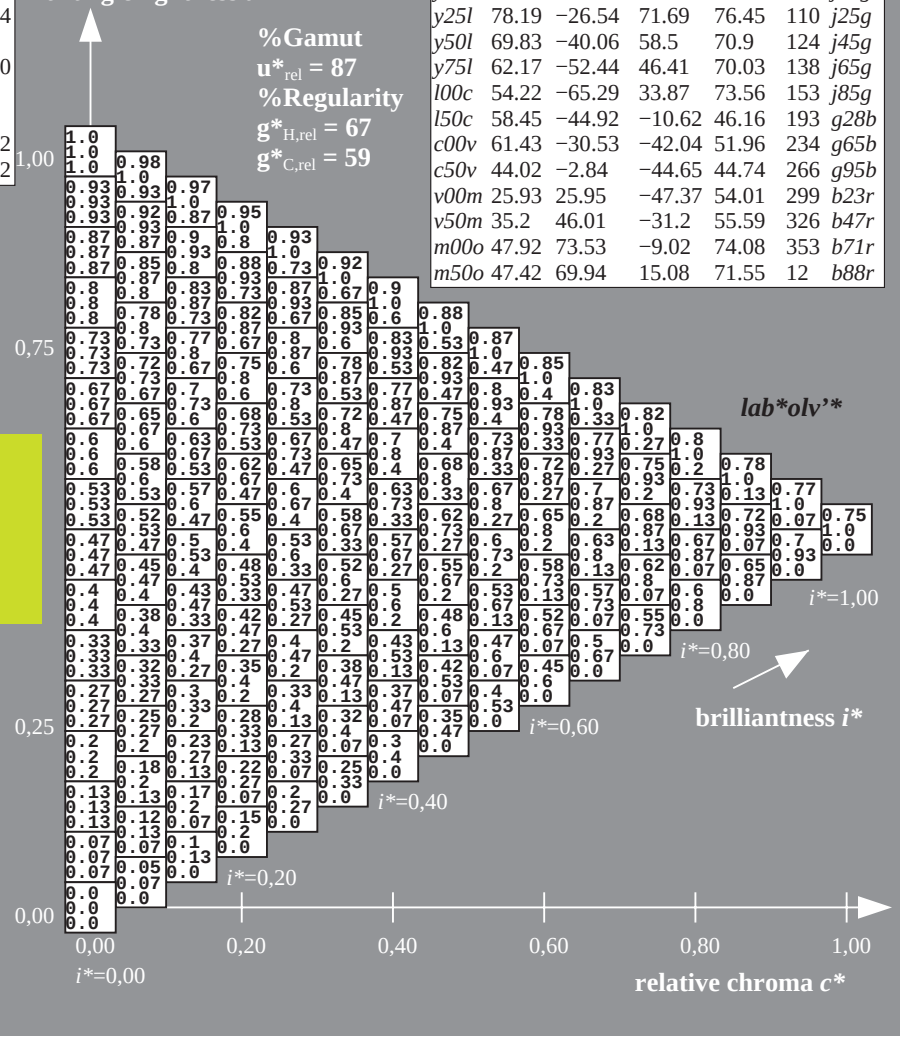
$u^*_d = y25l$

*lab*olv'**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.346$

data for any colour:

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

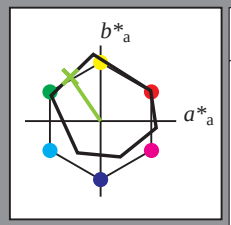
Hue texts:

$u^*_d = y50l$ $u^*_e = j45g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 70 −40 58

*LAB*LCH**$_{Ma}$: 70 71 124

*lab*olv**$_{Ma}$: 0.5 1.0 0.0

*lab*rgb**$_{Ma}$: 0.54 1.0 0.0

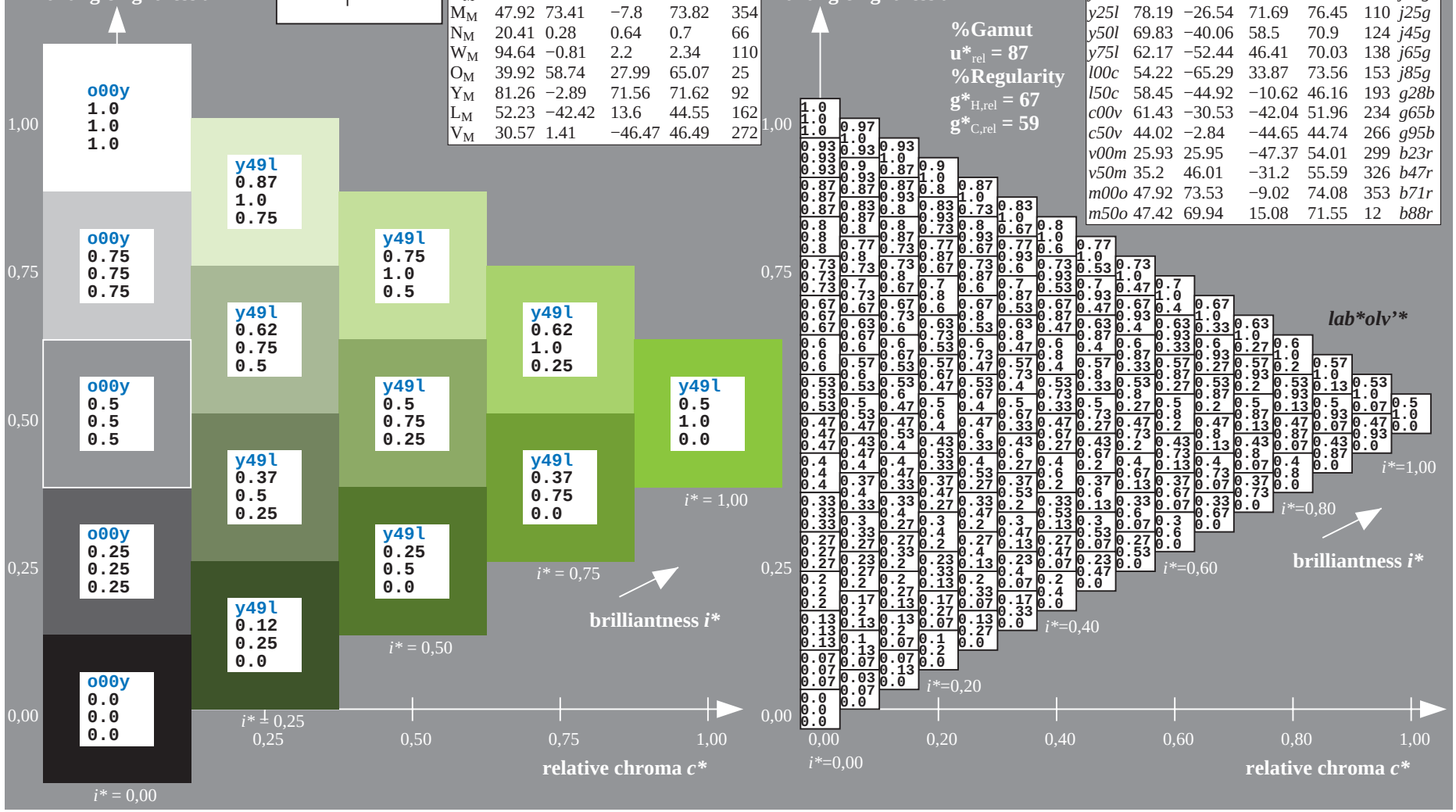
$u^*_d = y50l$
lab*olv'*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 67$
$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.385$

data for any colour:

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

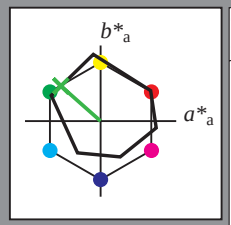
Hue texts:

$u^*_d = y75l$ $u^*_e = j65g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 62 −52 46

*LAB*LCH**$_{Ma}$: 62 70 138

*lab*olv**$_{Ma}$: 0.25 1.0 0.0

*lab*rgb**$_{Ma}$: 0.34 1.0 0.0

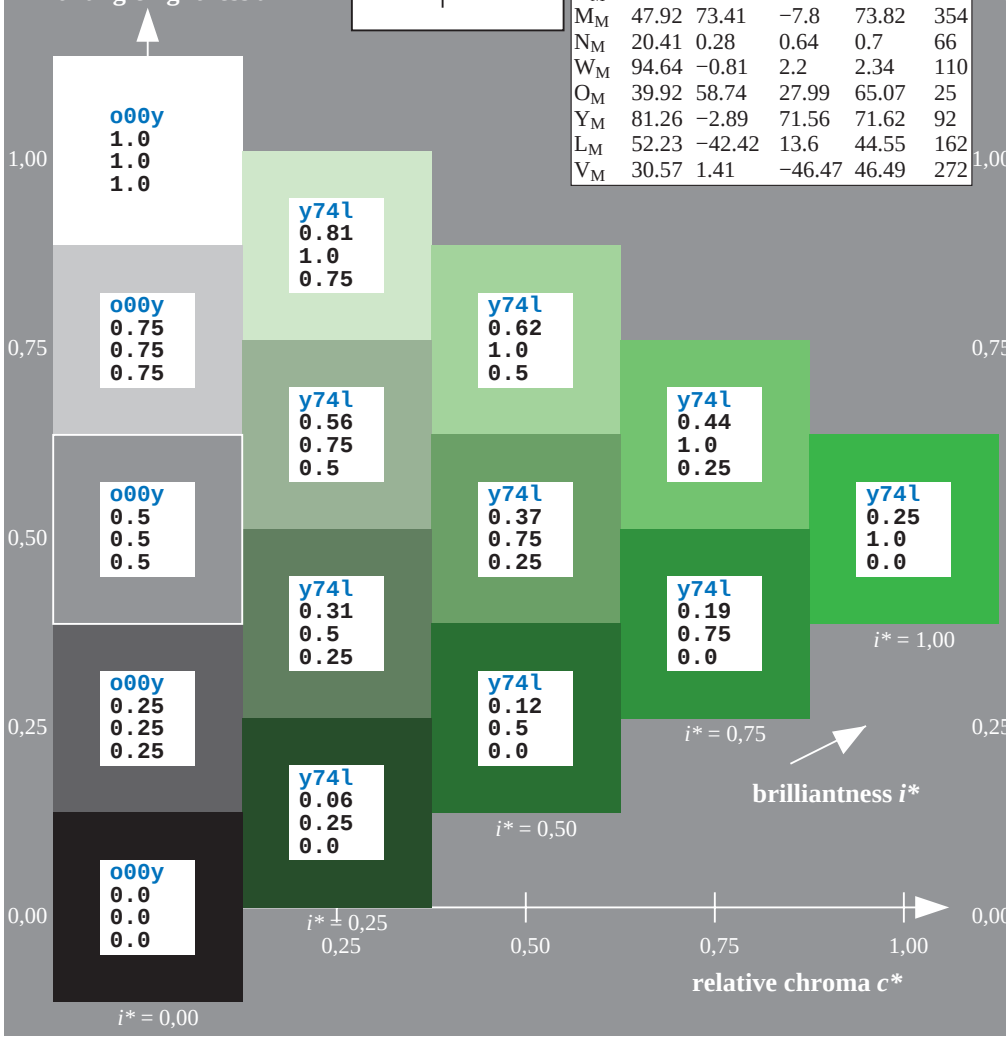
triangle lightness *t**

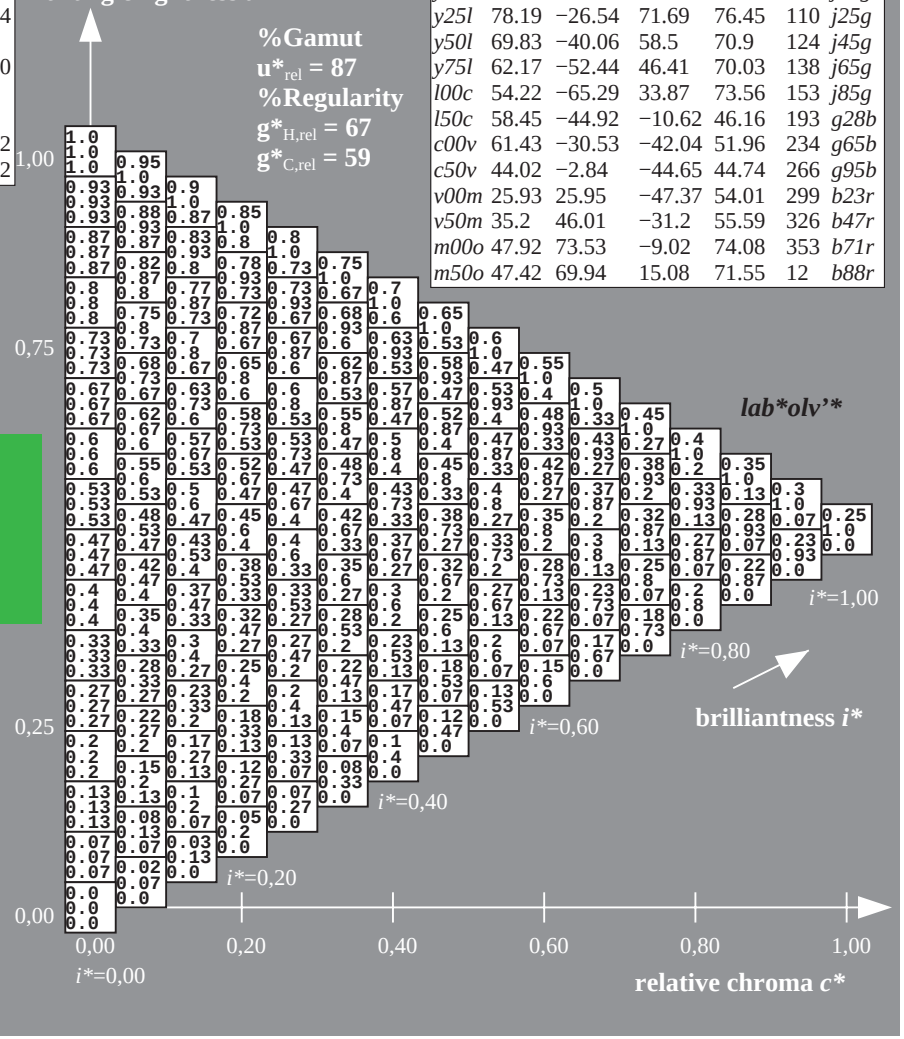
$u^*_d = y75l$

*lab*olv'**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

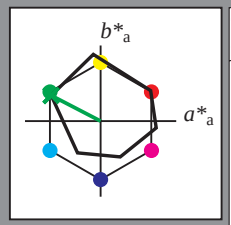




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.424$

$u^*_d = l00c$
lab*olv'*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = l00c$ $u^*_e = j85g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



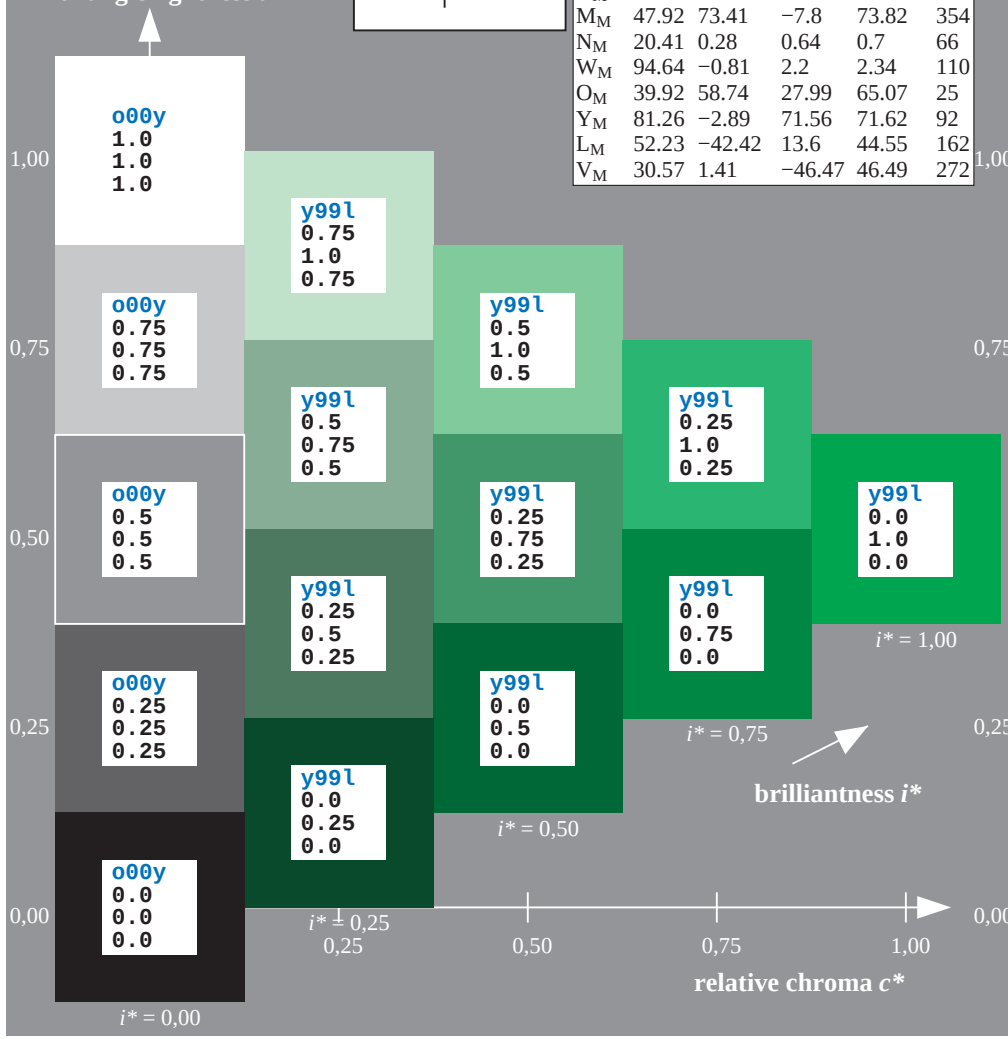
ORS20_95a; CIELAB data

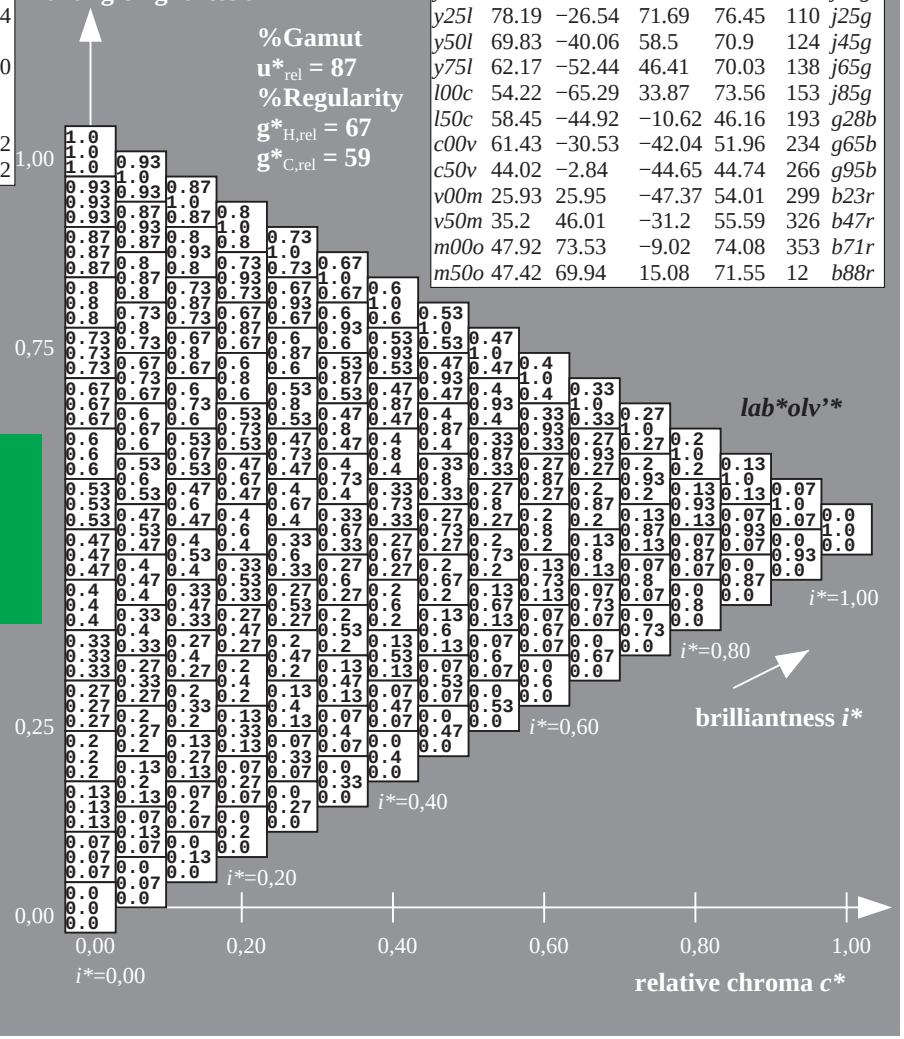
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 54 −65 34**
***LAB*LCH*Ma*: 54 74 152**
***lab*olv*Ma*: 0.0 1.0 0.0**
***lab*rgb*Ma*: 0.14 1.0 0.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.537$

data for any colour:

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

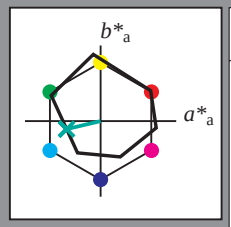
Hue texts:

u^*_d = *l50c* u^*_e = *g28b*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 58 −45 −11

*LAB*LCH**$_{Ma}$: 58 46 193

*lab*olv**$_{Ma}$: 0.0 1.0 0.5

*lab*rgb**$_{Ma}$: 0.0 1.0 0.57

u^*_d = *l50c*

lab*olv'*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

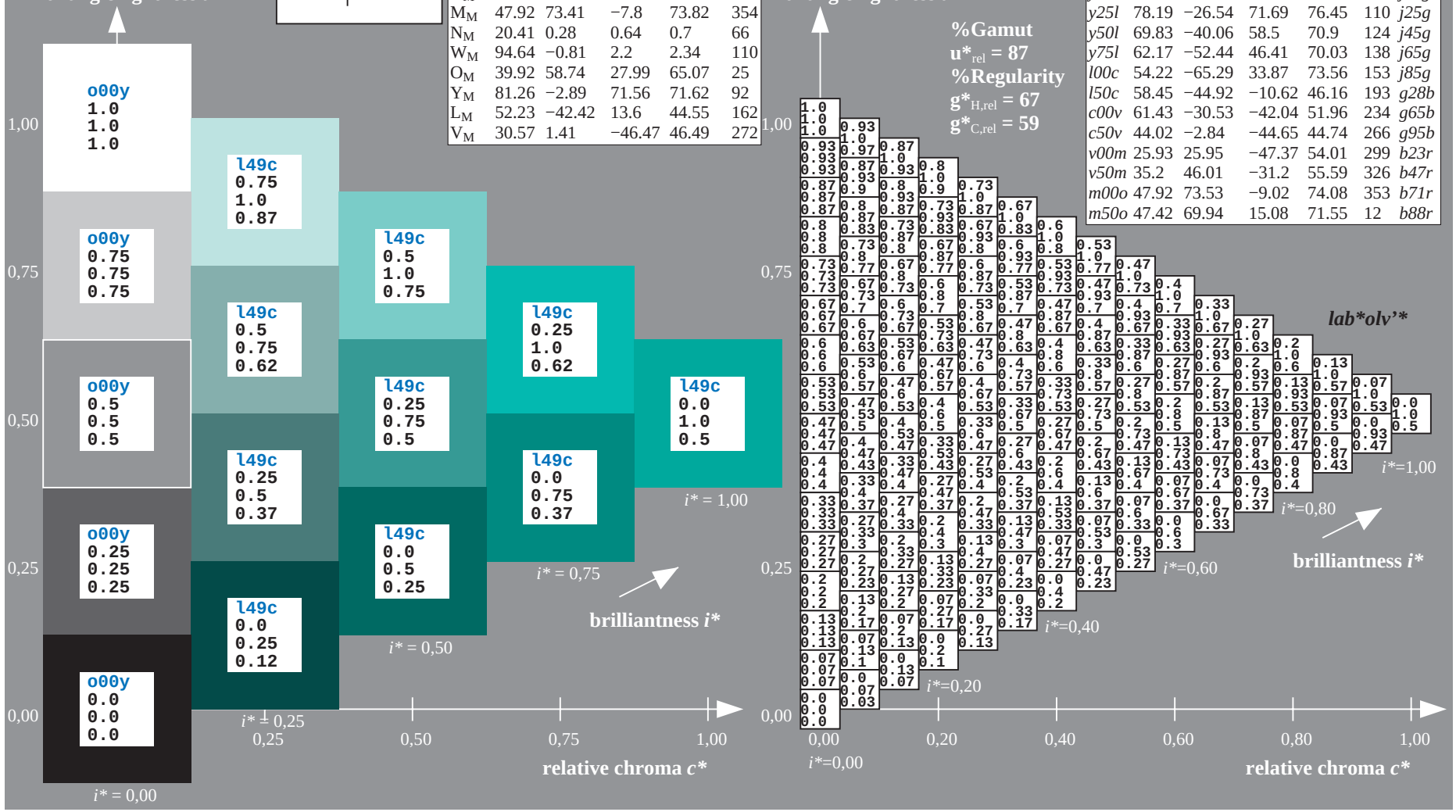
%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.65$

data for any colour:

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

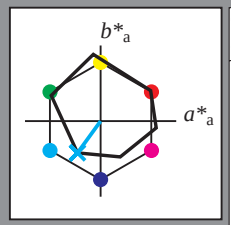
Hue texts:

u^*_d = *c00v* u^*_e = *g65b*

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 61 −31 −42

*LAB*LCH**$_{Ma}$: 61 52 234

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

*lab*rgb**$_{Ma}$: 0.0 0.69 1.0

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

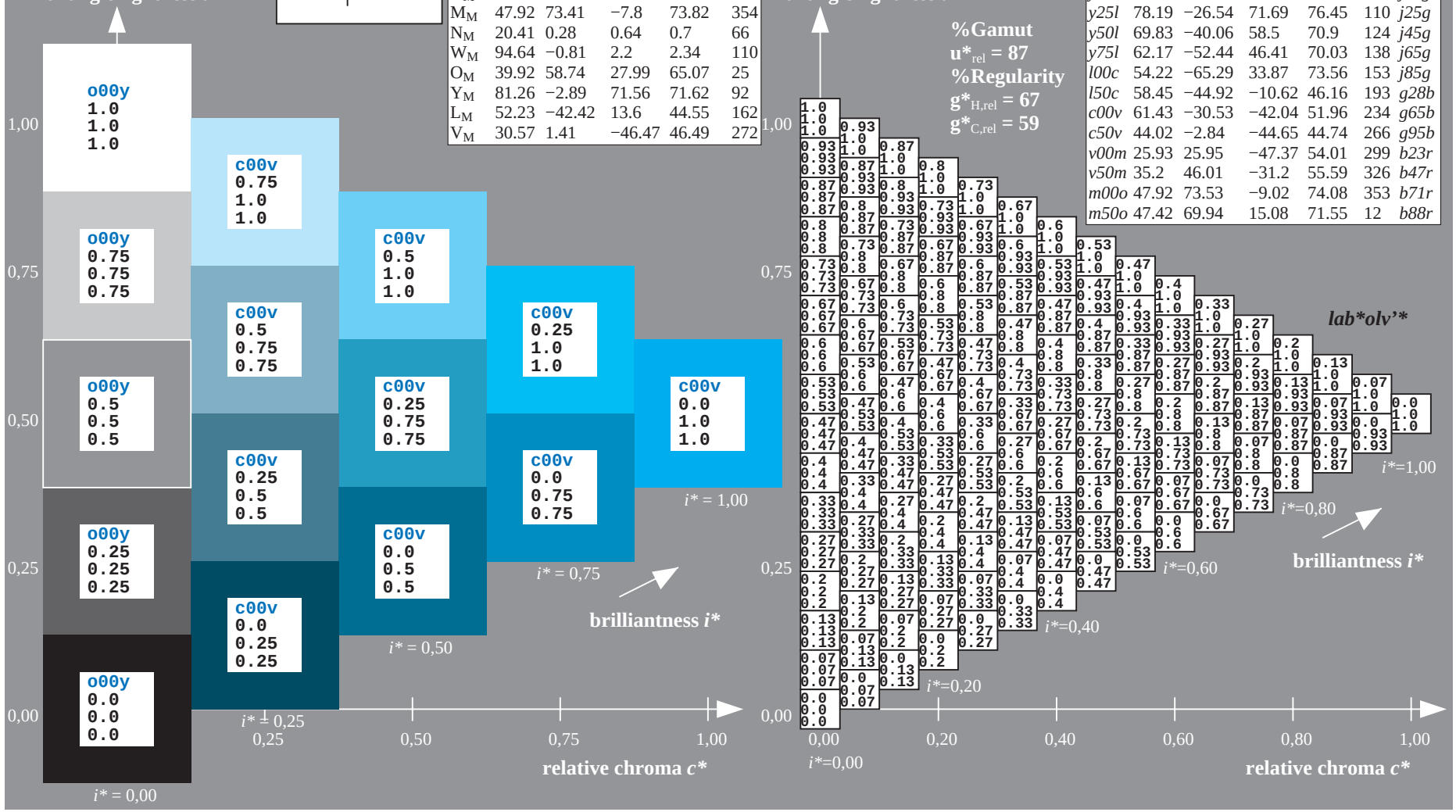
$g^*_{C,rel} = 59$

u^*_d = *c00v*

*lab*olv'**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.74$

data for any colour:

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

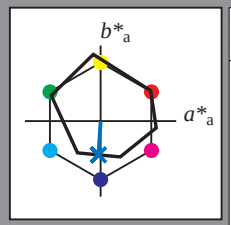
Hue texts:

$u^*_d = c50v$ $u^*_e = g95b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 44 −3 −45

*LAB*LCH**$_{Ma}$: 44 45 266

*lab*olv**$_{Ma}$: 0.0 0.5 1.0

*lab*rgb**$_{Ma}$: 0.0 0.1 1.0

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

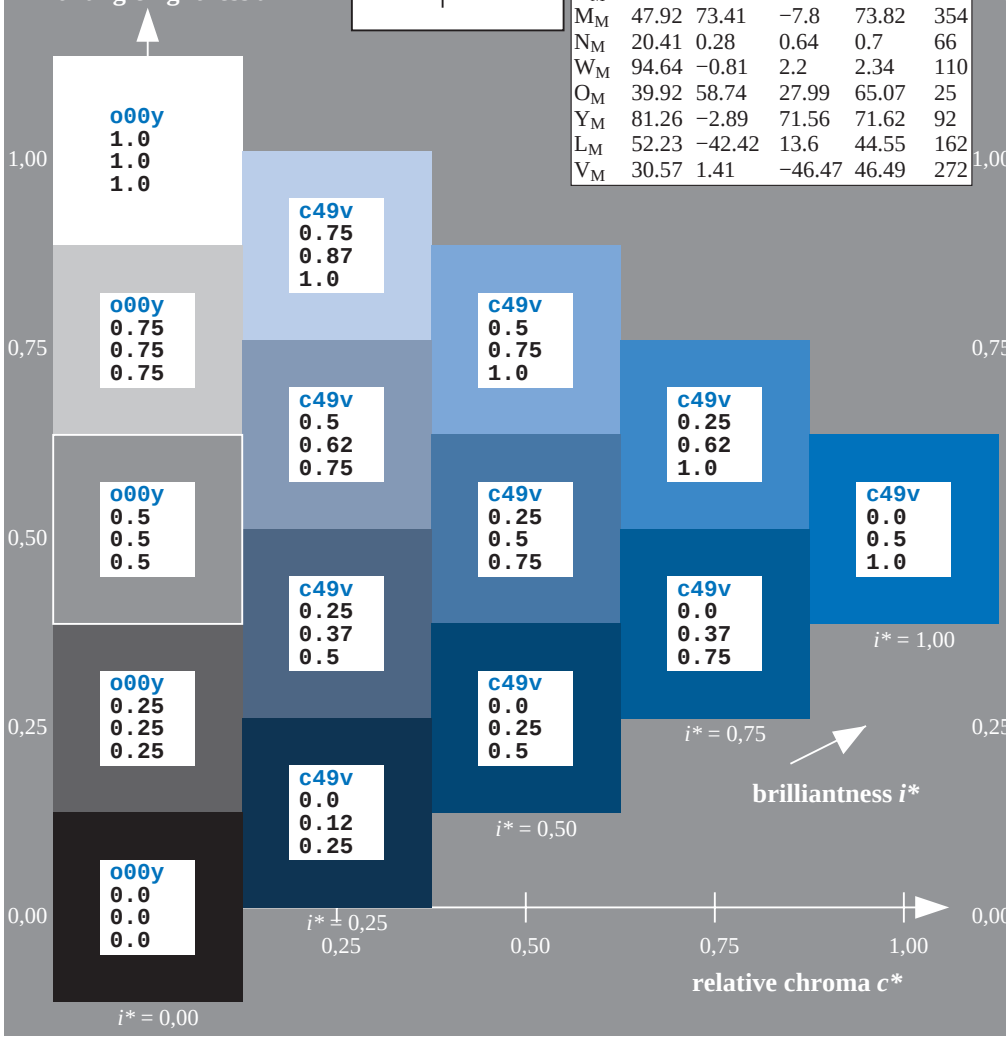
$g^*_{C,rel} = 59$

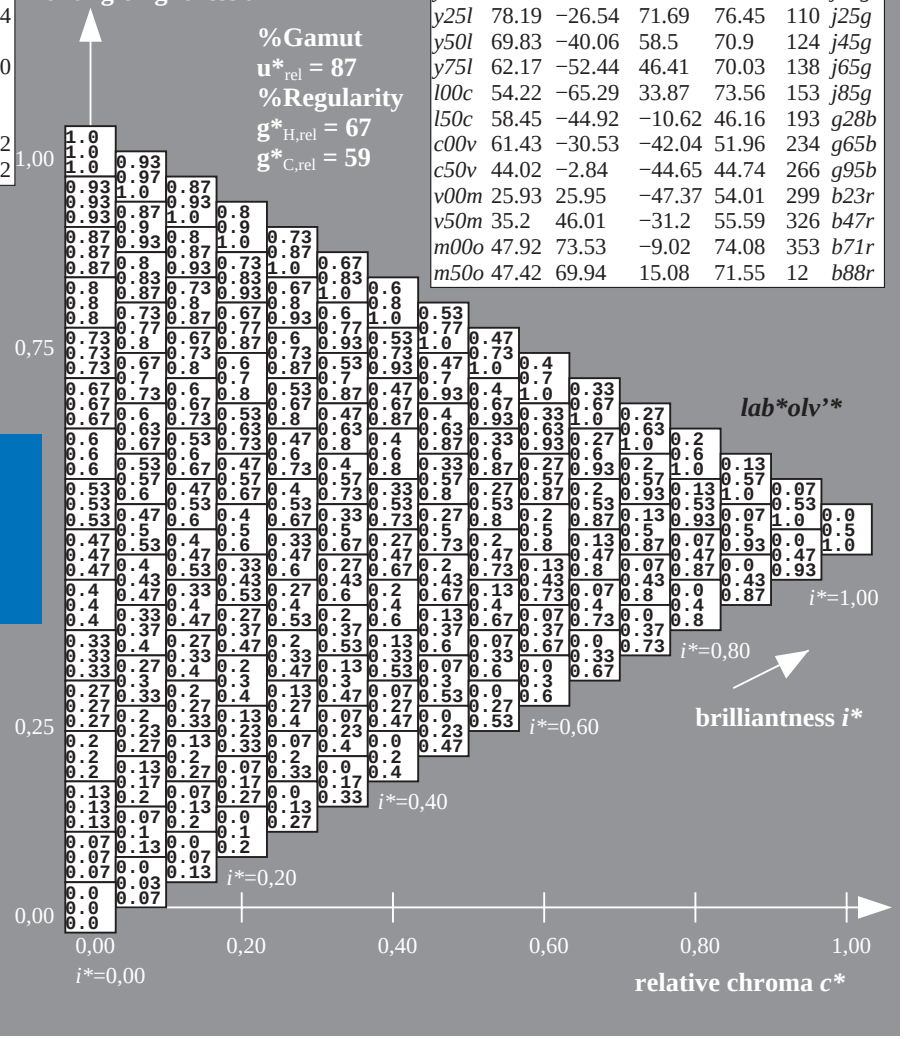
$u^*_d = c50v$

*lab*olv'**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

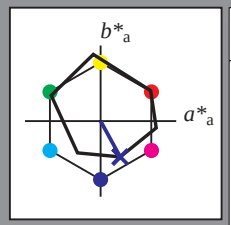




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.83$

u^*_d = *v00m*
lab*olv'*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *v00m* u^*_e = *b23r*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



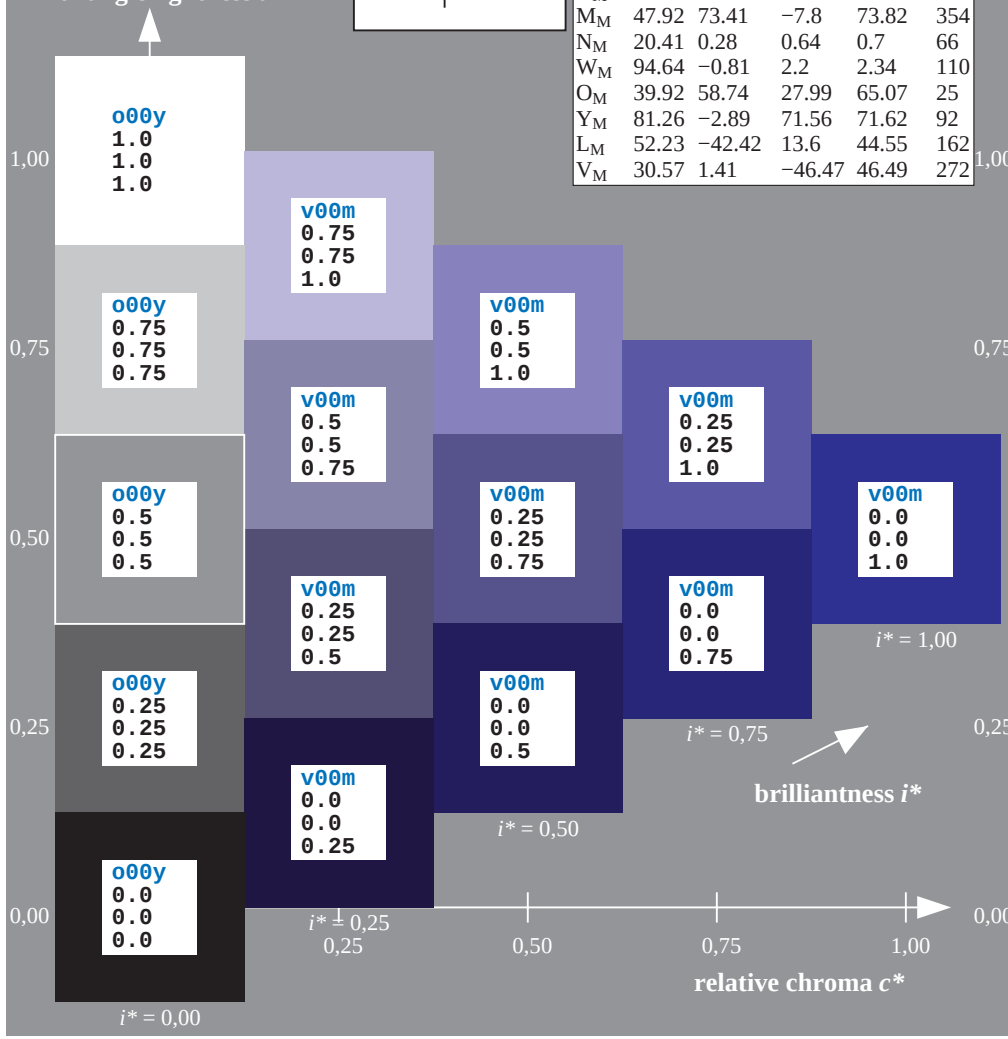
ORS20_95a; CIELAB data

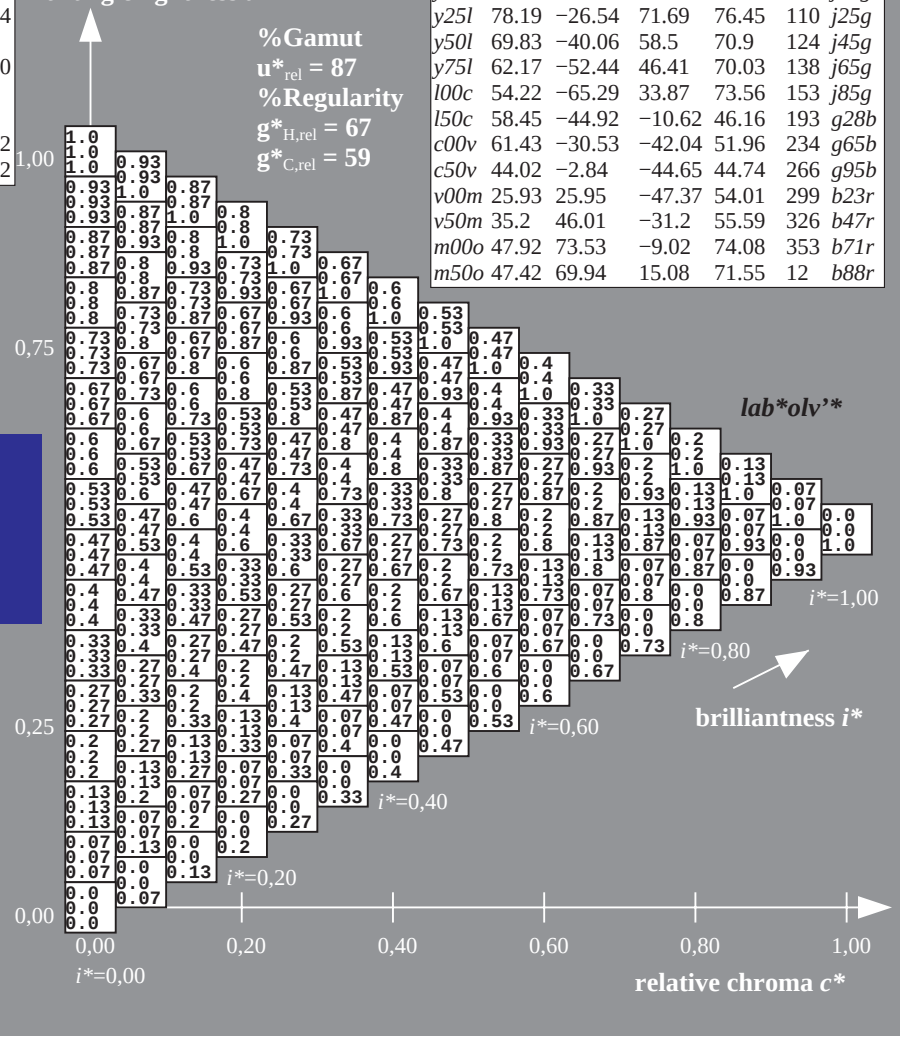
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 26 26 −47
*LAB*LCH**$_{Ma}$: 26 54 298
*lab*olv**$_{Ma}$: 0.0 0.0 1.0
*lab*rgb**$_{Ma}$: 0.47 0.0 1.0
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

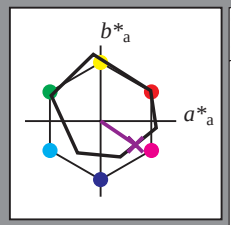




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.905$

u^*_d = *v50m*
lab*olv'*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *v50m* u^*_e = *b47r*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



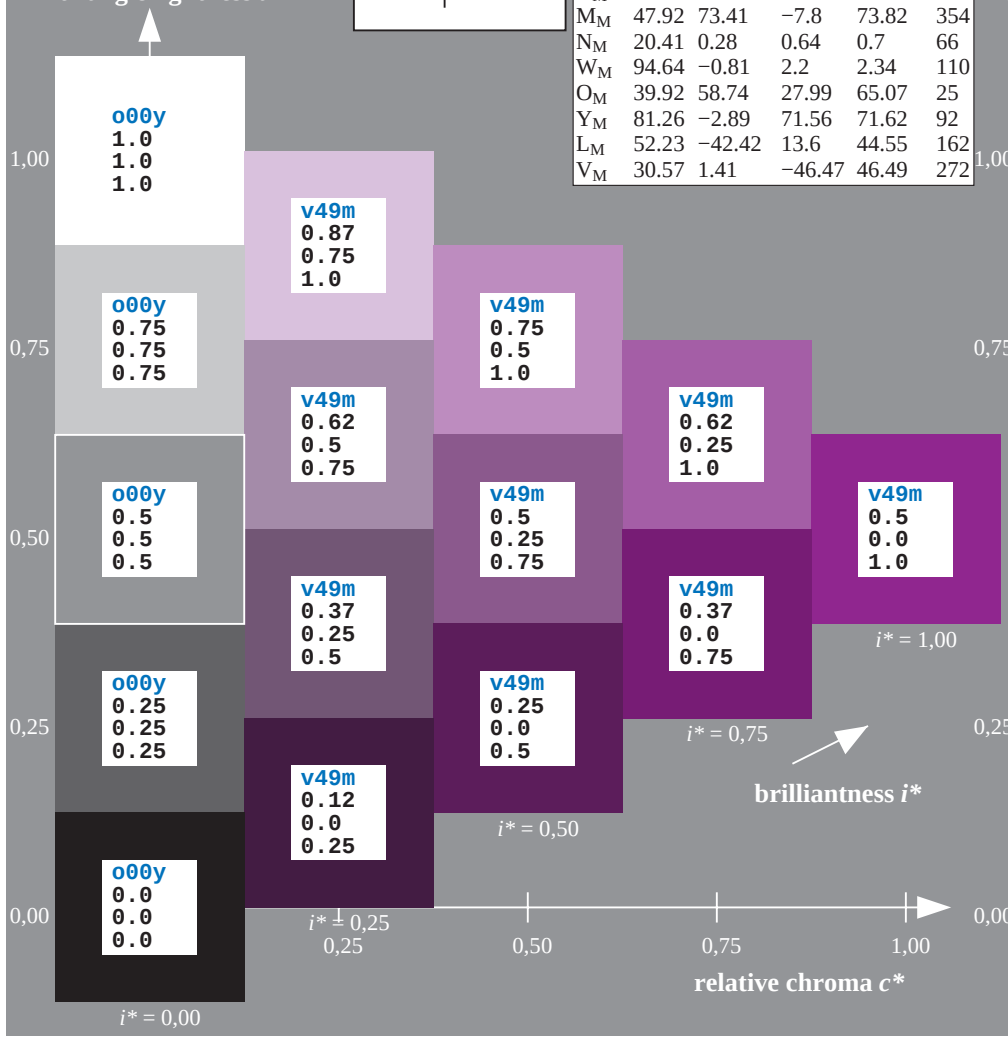
ORS20_95a; CIELAB data

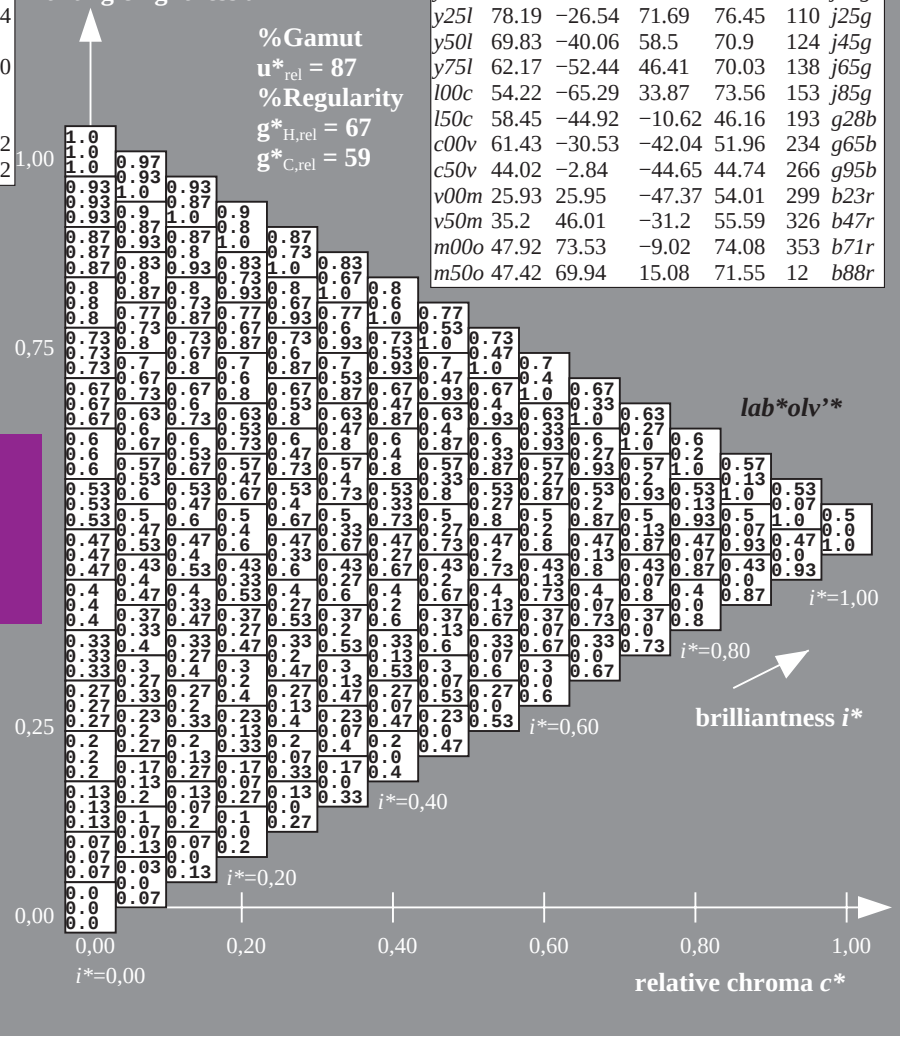
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 35 46 −31**
***LAB*LCH**$_{Ma}$: 35 56 325**
***lab*olv**$_{Ma}$: 0.5 0.0 1.0**
***lab*rgb**$_{Ma}$: 0.95 0.0 1.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.981$

u^*_d = *m00o* **$lab^*olv'^*$**

data for any colour:

lab*tch** and *lab*icu*

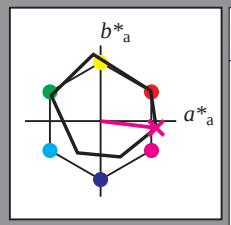
Hue texts:

u^*_d = *m00o* u^*_e = *b71r*

contrast reduction factor:

c_R = 1.0

triangle lightness *t**



ORS20_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 48 74 −9**

***LAB*LCH**$_{Ma}$: 48 74 353**

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

***lab*rgb**$_{Ma}$: 1.0 0.0 0.57**

triangle lightness *t**

%Gamut

u^*_{rel} = 87

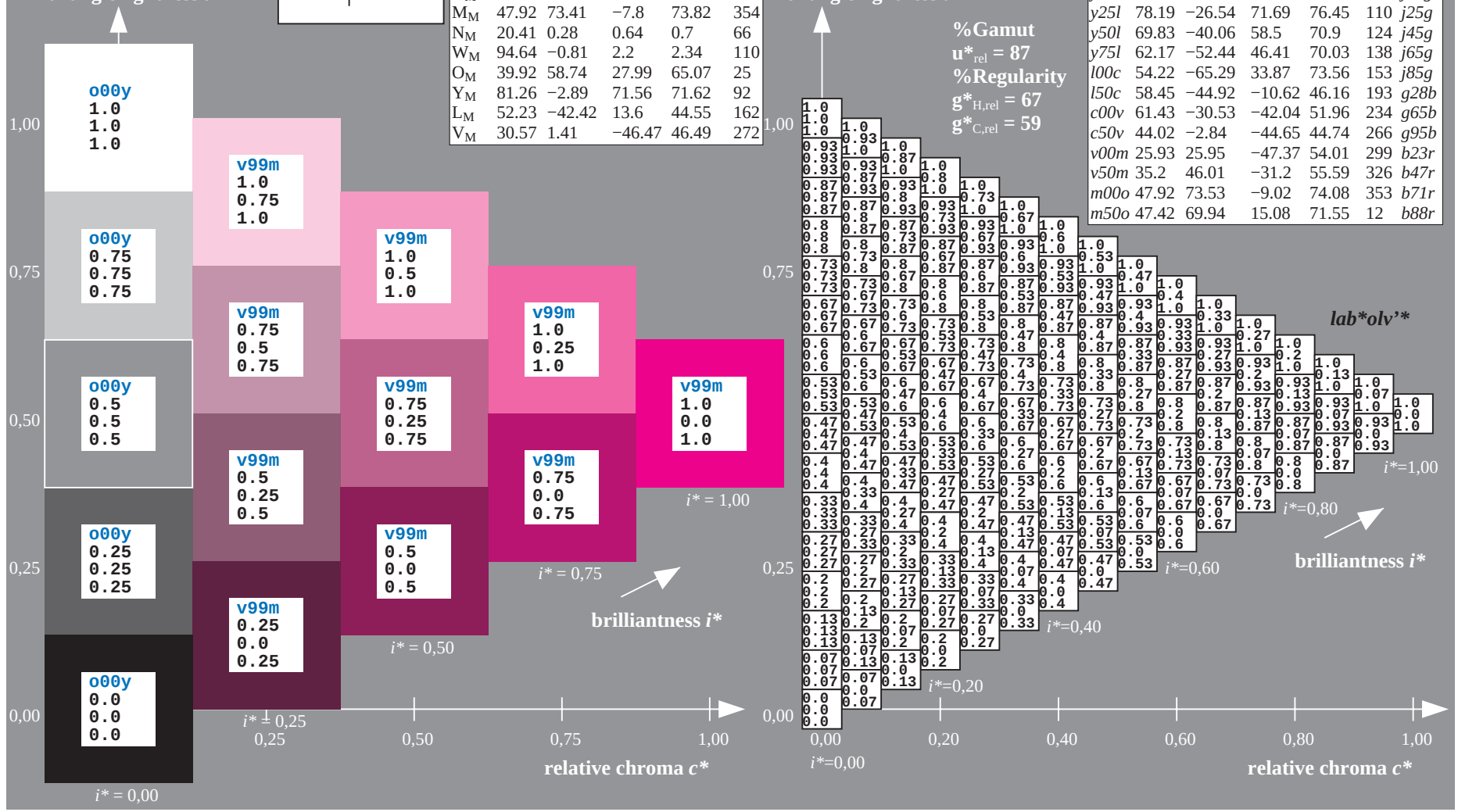
%Regularity

$g^*_{H,rel}$ = 67

$g^*_{C,rel}$ = 59

ORS20_95a; adapted (a) CIELAB data

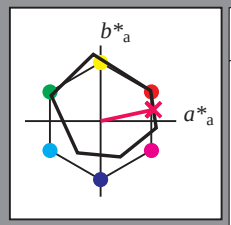
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.034$

**u^*_d = *m50o*
*lab*olv'**

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_d = *m50o* u^*_e = *b88r*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



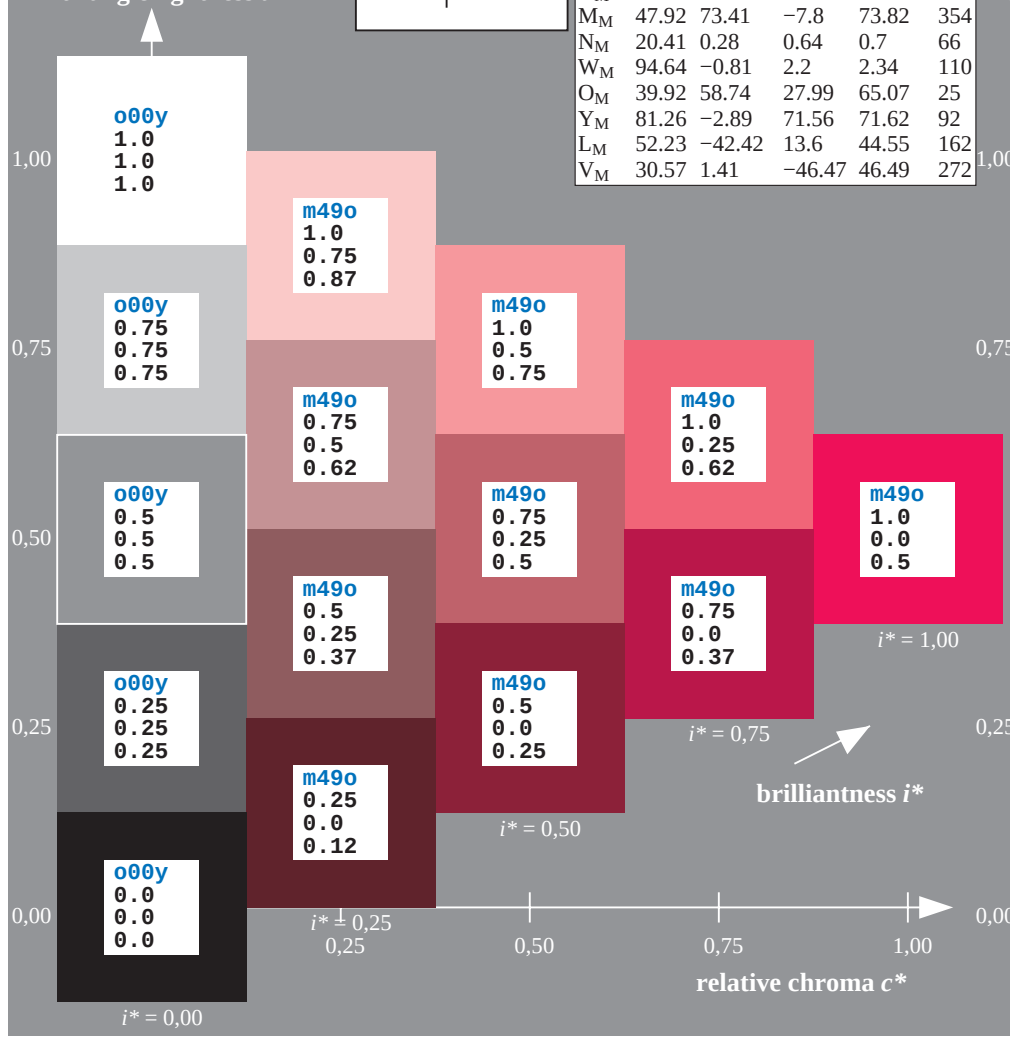
ORS20_95a; CIELAB data

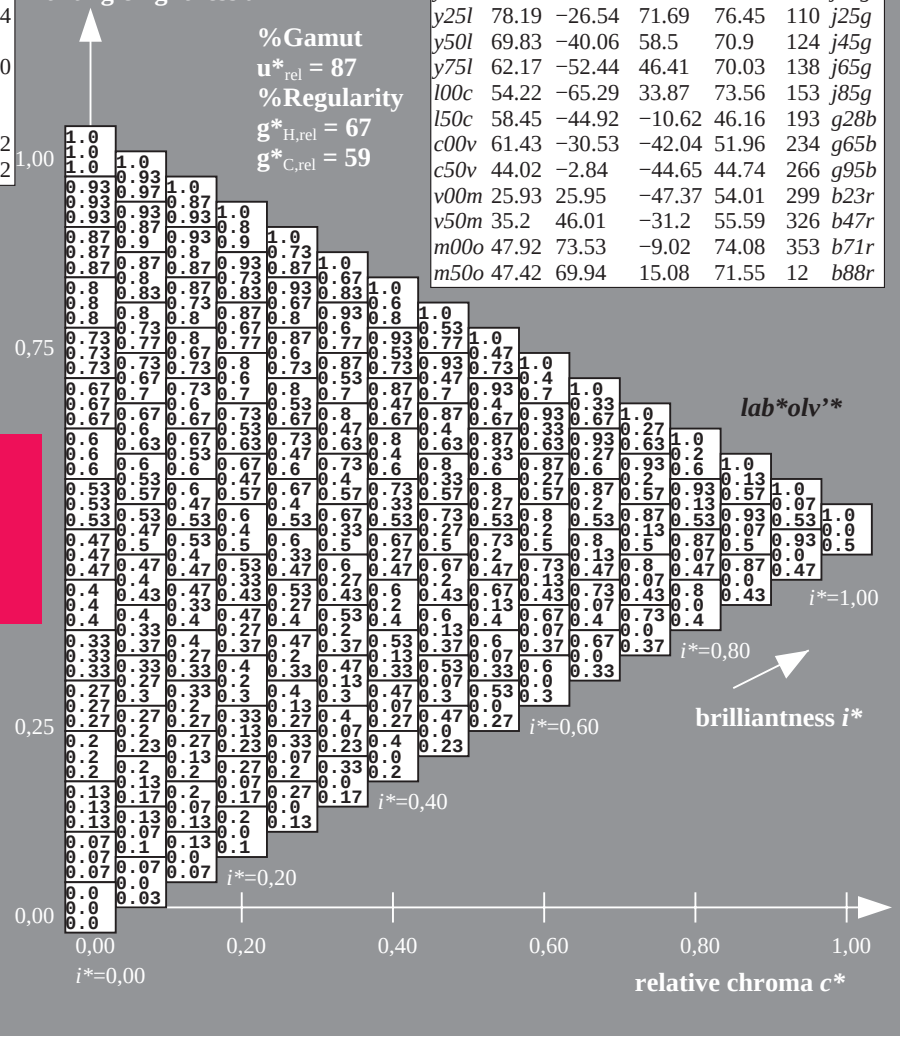
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 47 70 15
*LAB*LCH**$_{Ma}$: 47 72 12
*lab*olv**$_{Ma}$: 1.0 0.0 0.5
*lab*rgb**$_{Ma}$: 1.0 0.0 0.23
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



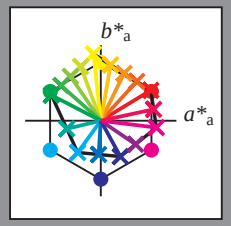


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	*lab*olv'**			
01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.13	0.13	0.13
	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13
	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13
03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.25	0.25	0.25
	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.25	0.25	0.25	0.25
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.25	0.25	0.25	0.25
04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38
	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38
	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38
05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	1.0	0.87	0.75	0.62	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5
	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5
06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.63	0.63	0.63	0.63
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	1.0	0.87	0.75	0.62	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63
	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63
07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.75	0.75	0.75	0.75
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.13	0.0	0.75	0.75	0.75	0.75
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.75
08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.88	0.88	0.88	0.88
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.13	0.0	0.88	0.88	0.88	0.88
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.88	0.88	0.88
09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.12	0.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	1.0	1.0	1.0	1.0
10	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
11	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.88	0.88	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.07	0.07	0.07	0.07
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.07	0.07	0.07	0.07
	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.07	0.07	0.07	0.07
12	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.13	0.13	0.13	0.13
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.13	0.13	0.13	0.13
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13
13	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.62	0.2	0.2	0.2	0.2
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.2	0.2	0.2	0.2
	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.2	0.2	0.2	0.2
14	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.27	0.27	0.27	0.27
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.27	0.27	0.27	0.27
	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.27	0.27	0.27	0.27
15	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.33	0.33	0.33	0.33
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.33	0.33	0.33	0.33
	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.33	0.33	0.33	0.33
16	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.4	0.4	0.4	0.4
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.4	0.4	0.4	0.4
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.4	0.4	0.4	0.4
17	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.47	0.47	0.47	0.47
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.87	1.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.47	0.47	0.47	0.47
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.47	0.47	0.47	0.47
18	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.53	0.53	0.53	0.53
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.87	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.53	0.53	0.53	0.53
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.53	0.53	0.53	0.53
19	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.6	0.6	0.6	0.6
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.6	0.6	0.6
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.6	0.6	0.6	0.6
20	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.67	0.67	0.67	0.67
	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.67	0.67	0.67	0.67
	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.67	0.67	0.67	0.67
21	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.73	0.73	0.73	0.73
	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.73	0.73	0.73	0.73
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.73	0.73	0.73	0.73
22	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.8	0.8	0.8	0.8
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.63	0.63	0.63	0.63	0

Input and output:
Colorimetric Printer Reflective System ORS20_95a
data for any colour:
u^*_d and number *no.* = 00 .. 15
device hue text:
u^*_d = 16 hues *o00y, o25y, ..., m50o*
contrast reduction factor:
c_R = 1.0

ORS20_95a; adapted (a) CIELAB data

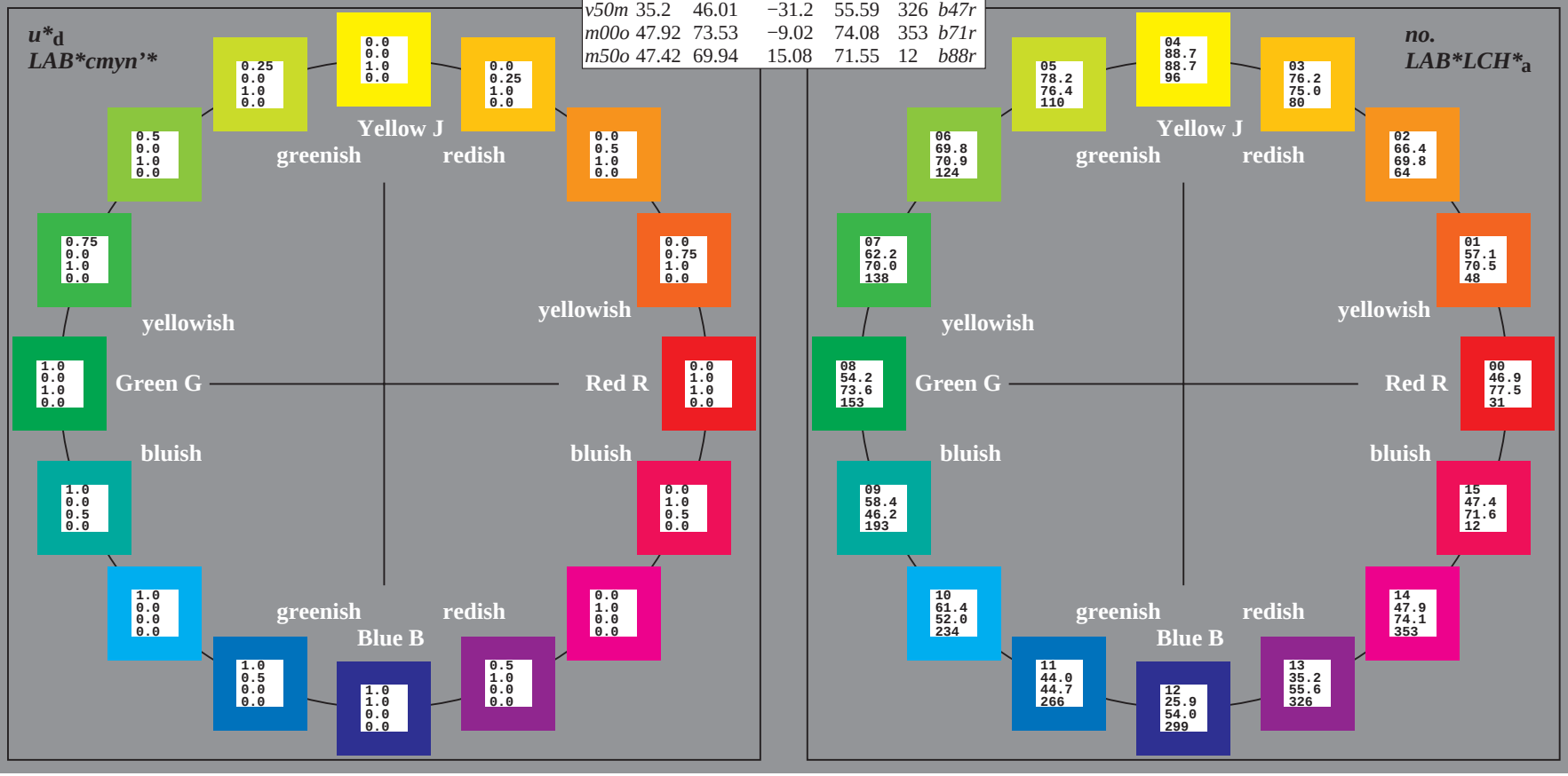
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 67
$g^*_{C,rel}$ = 59

ORS20_95a; CIELAB data

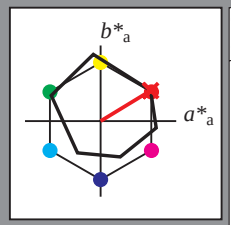
Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	−46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$

$u^*_d = o00y$
LAB*cmyn'*

data for any colour:
lab*tch* and lab*icu*
Hue texts:
$u^*_d = o00y$ $u^*_e = r09j$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



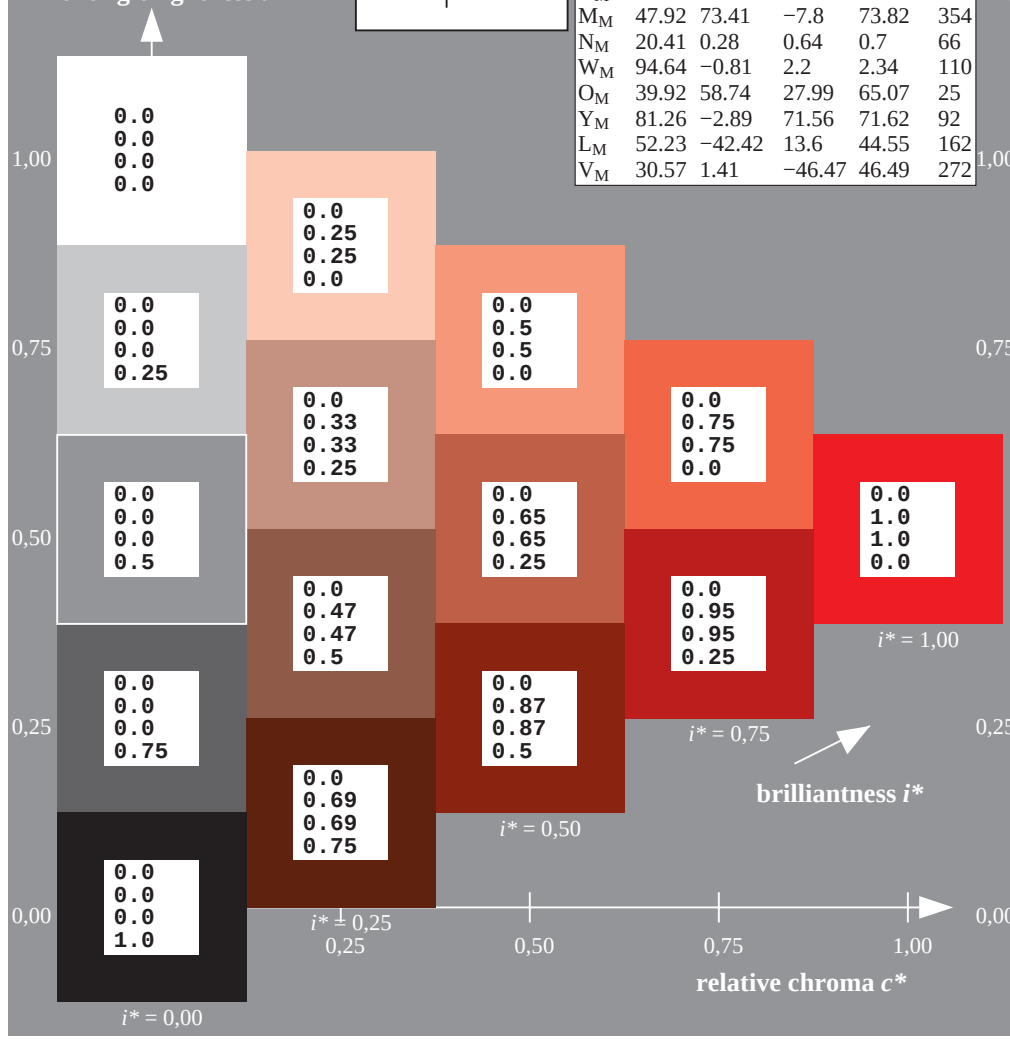
ORS20_95a; CIELAB data

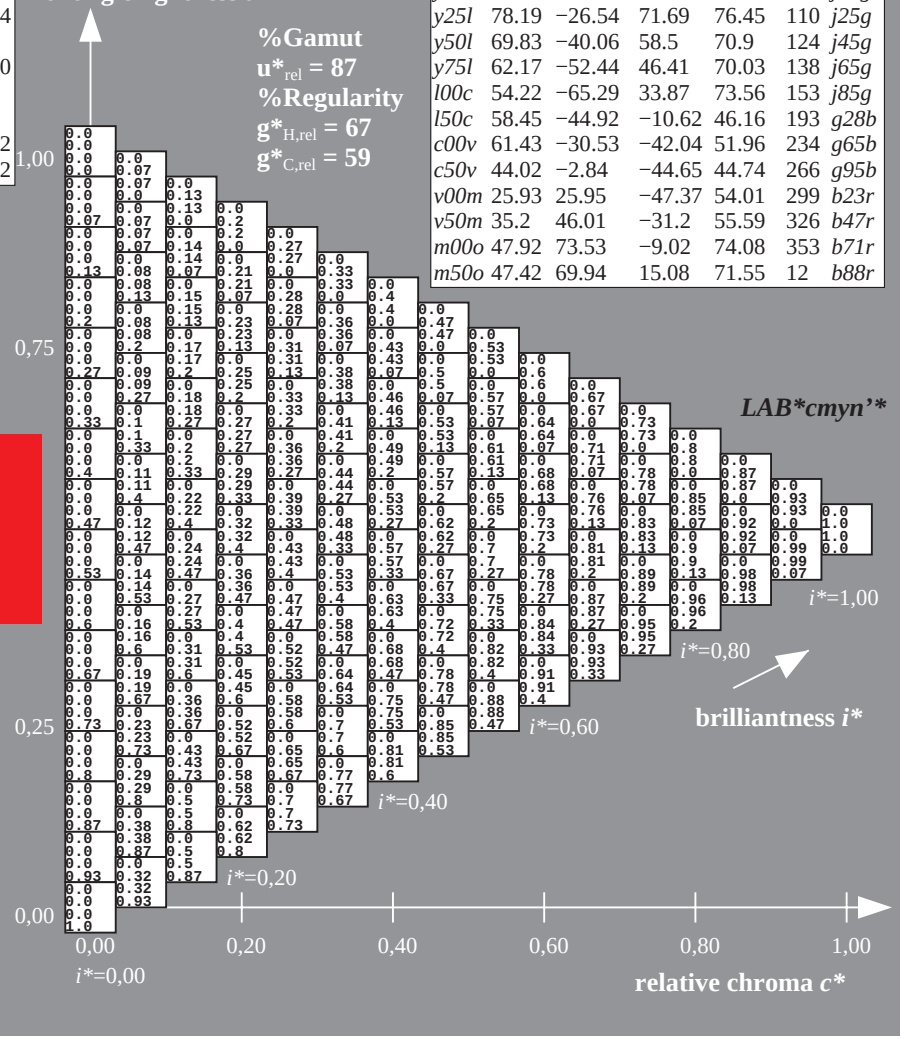
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 47 66 40**
***LAB*LCH*$_{Ma}$*: 47 77 31**
***lab*olv*$_{Ma}$*: 1.0 0.0 0.0**
***lab*rgb*$_{Ma}$*: 1.0 0.09 0.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

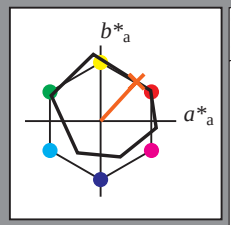




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$

$u^*_d = o25y$
$LAB^*cmyn'^*$

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_d = o25y$ $u^*_e = r33j$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



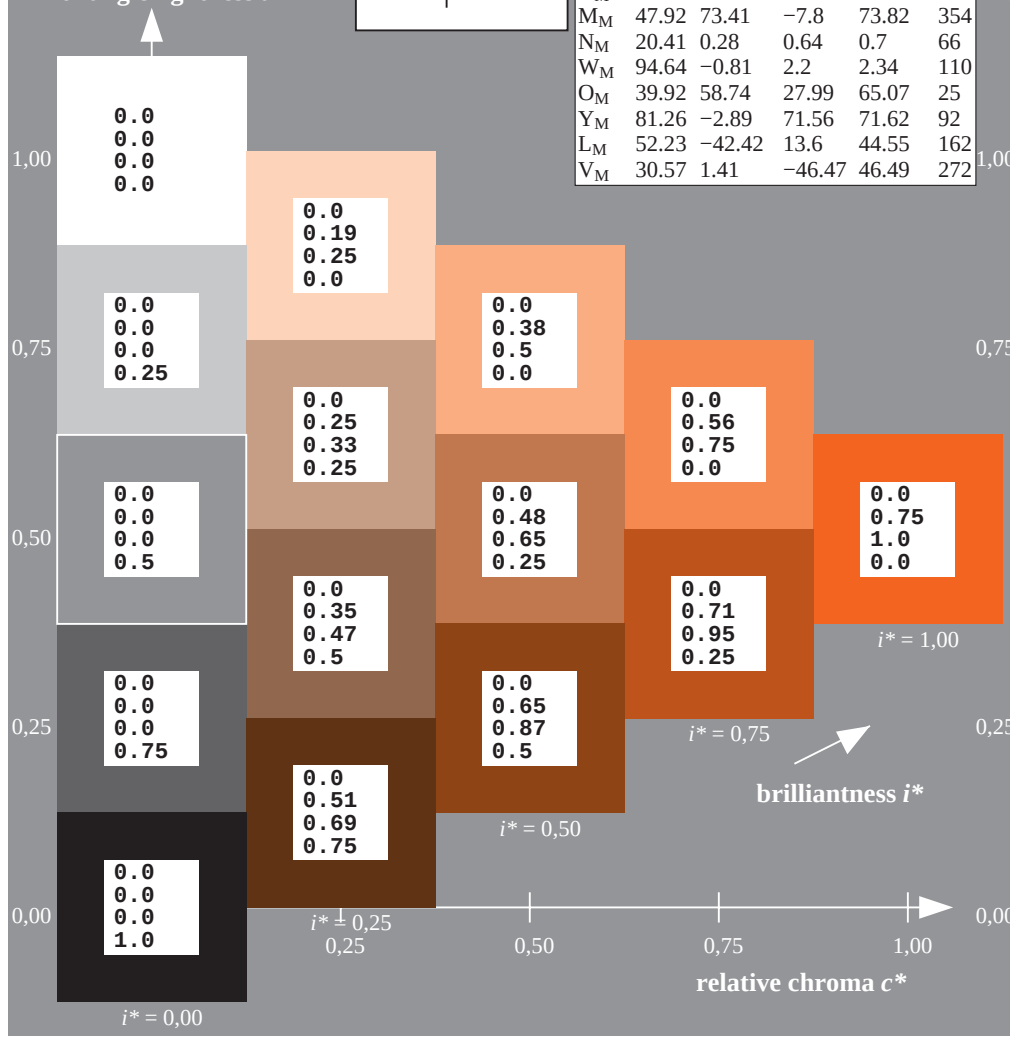
ORS20_95a; CIELAB data

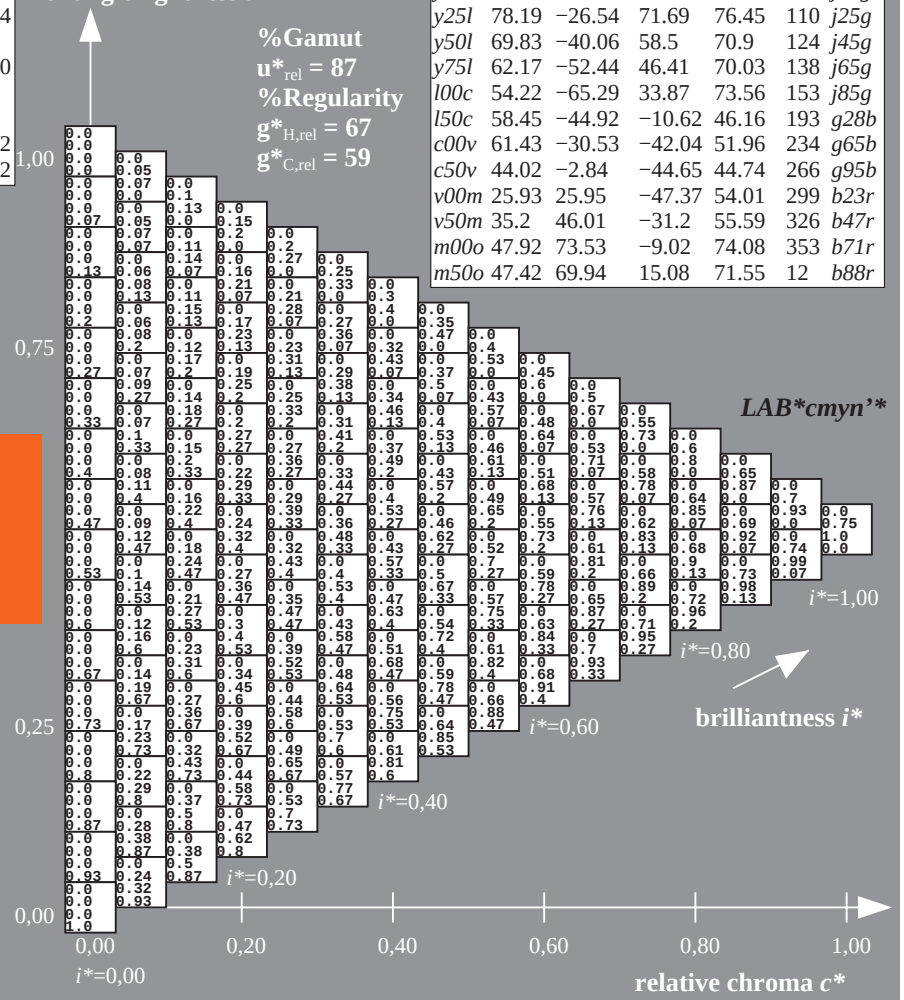
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 57 48 52**
***LAB*LCH**$_{Ma}$: 57 71 47**
***lab*olv**$_{Ma}$: 1.0 0.25 0.0**
***lab*rgb**$_{Ma}$: 1.0 0.33 0.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*





Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.177$

data for any colour:

lab*tch** and *lab*icu*

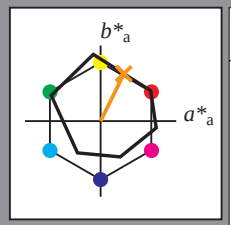
Hue texts:

$u^*_d = o50y$ $u^*_e = r57j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 66 31 63**

***LAB*LCH**$_{Ma}$: 66 70 63**

***lab*olv**$_{Ma}$: 1.0 0.5 0.0**

***lab*rgb**$_{Ma}$: 1.0 0.57 0.0**

triangle lightness *t**

%Gamut

u^*_{rel} = 87

%Regularity

$g^*_{H,rel}$ = 67

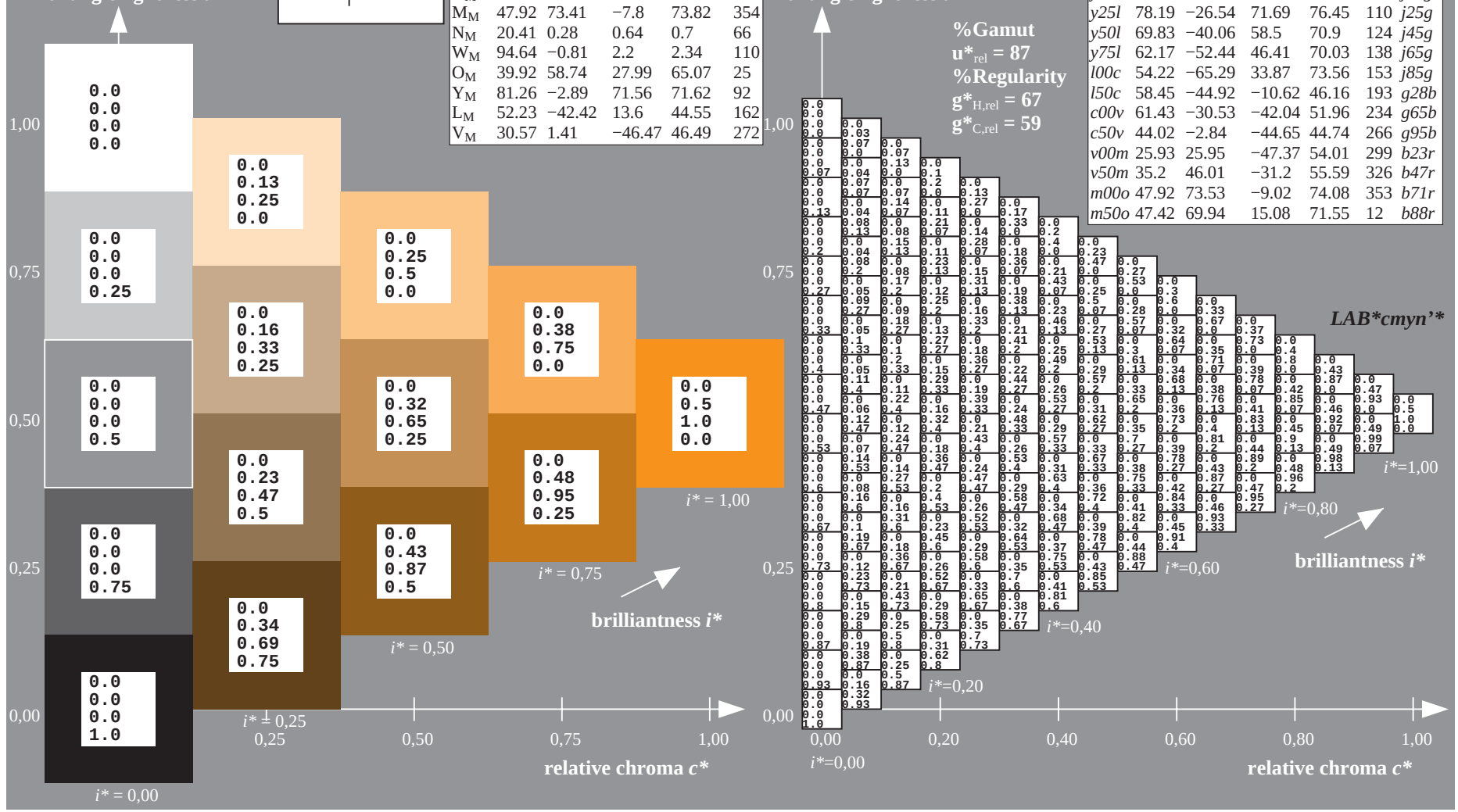
$g^*_{C,rel}$ = 59

u*$_d$ = o50y

LAB*cmyn'*

ORS20_95a; adapted (a) CIELAB data

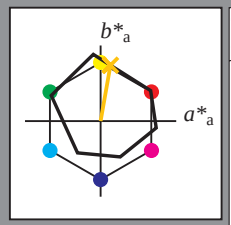
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.222$

$u^*_d = o75y$
LAB*cmyn'*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_d = o75y$ $u^*_e = r81j$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS20_95a; CIELAB data

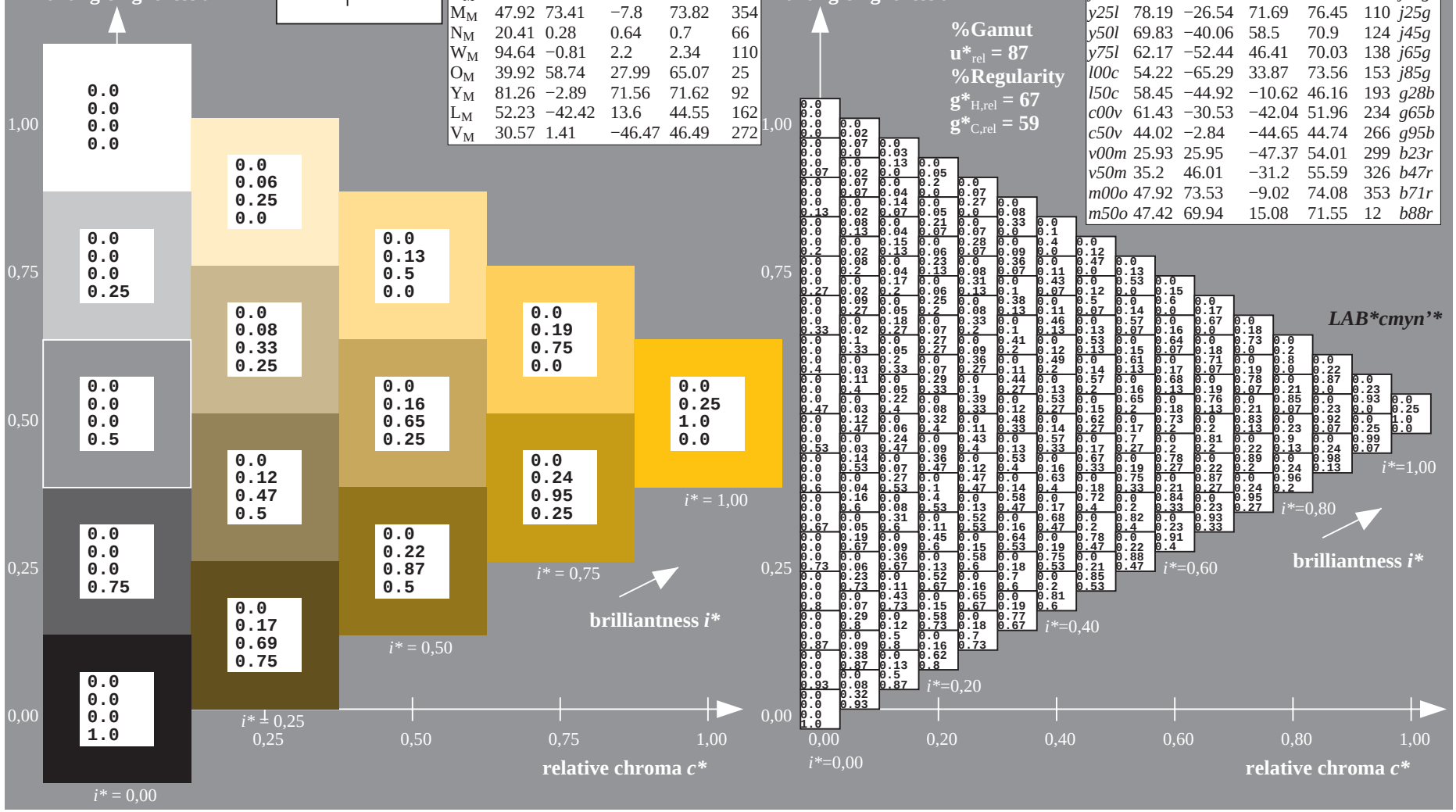
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 76 13 74**
LAB*LCH*$_{Ma}$**: 76 75 79**
lab*olv*$_{Ma}$**: 1.0 0.75 0.0**
lab*rgb*$_{Ma}$**: 1.0 0.82 0.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

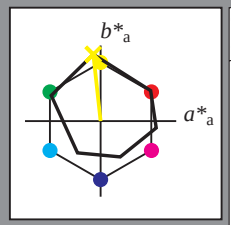
%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 67$
$g^*_{C,rel} = 67$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.267$

$u^*_d = y00l$
LAB*cmyn'*

data for any colour:
lab*tch* and lab*icu*
Hue texts:
$u^*_d = y00l$ $u^*_e = j06g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS20_95a; CIELAB data

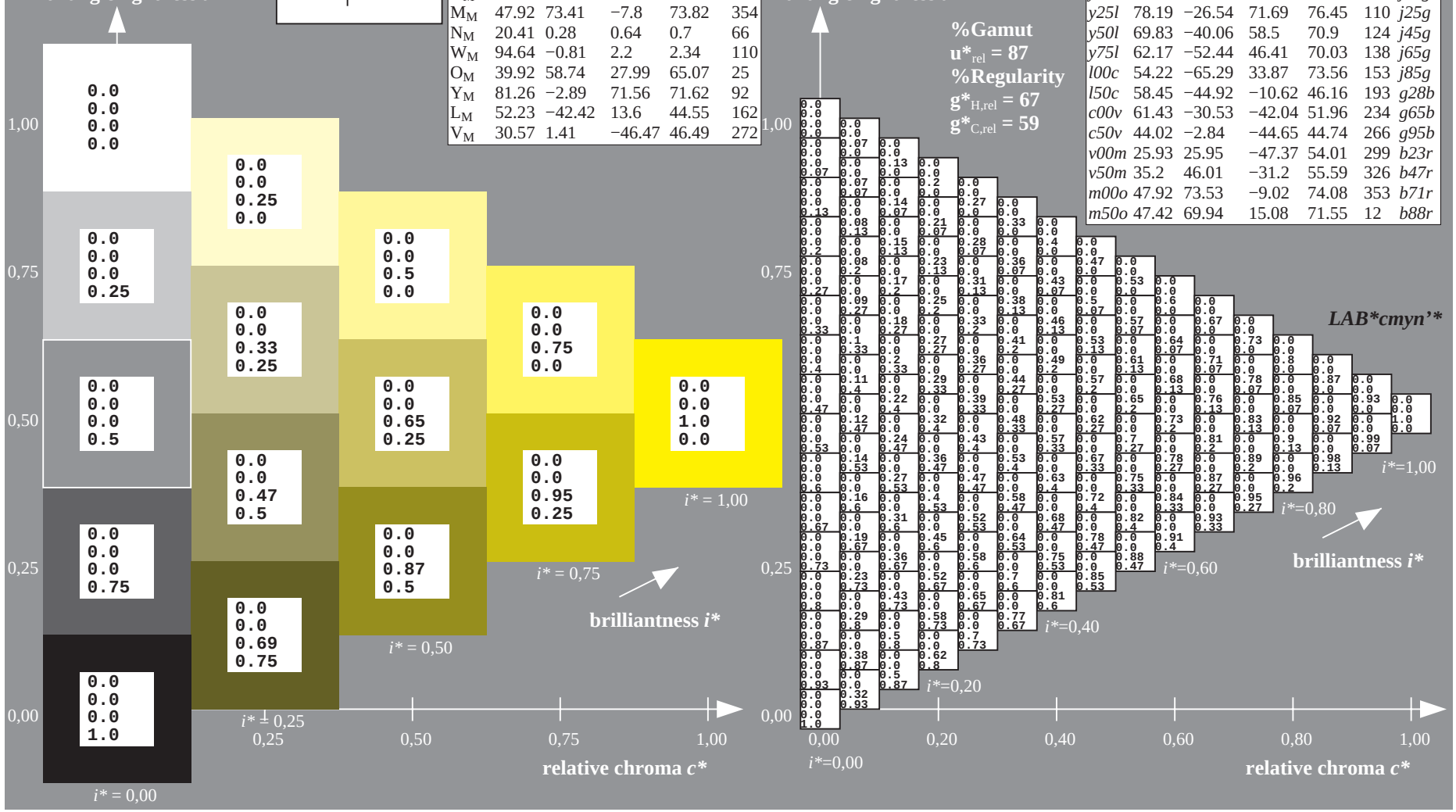
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 89 −10 88**
***LAB*LCH*Ma*: 89 89 96**
***lab*olv*Ma*: 1.0 1.0 0.0**
***lab*rgb*Ma*: 0.94 1.0 0.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

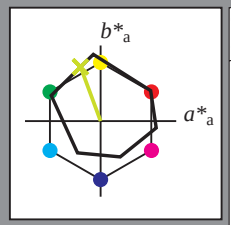
%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 67$
$g^*_{C,rel} = 67$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.306$

$u^*_d = y25l$
LAB*cmyn'*

data for any colour:
lab*tch **and** ***lab*icu****
Hue texts:
$u^*_d = y25l$ $u^*_e = j25g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness ***t****



ORS20_95a; CIELAB data

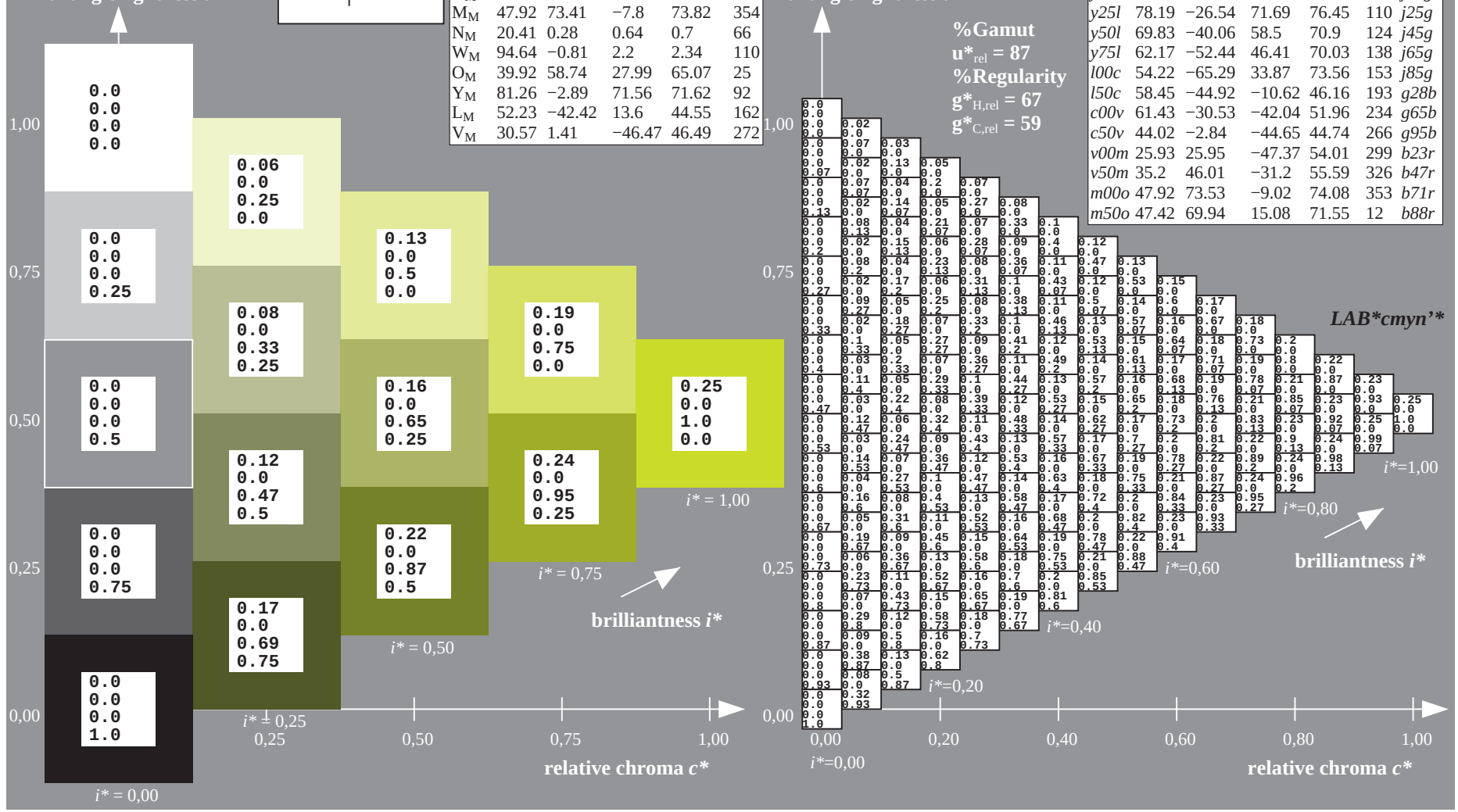
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 78 −27 72**
***LAB*LCH*Ma*: 78 76 110**
***lab*olv*Ma*: 0.75 1.0 0.0**
***lab*rgb*Ma*: 0.74 1.0 0.0**
triangle lightness ***t****

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 67$
$g^*_{C,rel} = 59$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.346$

data for any colour:

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

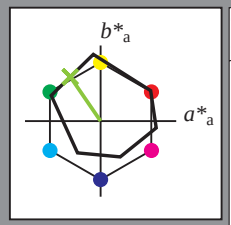
Hue texts:

$u^*_d = y50l$ $u^*_e = j45g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness *t**



ORS20_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 70 −40 58**

***LAB*LCH**$_{Ma}$: 70 71 124**

***lab*olv**$_{Ma}$: 0.5 1.0 0.0**

***lab*rgb**$_{Ma}$: 0.54 1.0 0.0**

triangle lightness *t**

%Gamut

u^*_{rel} = 87

%Regularity

$g^*_{H,rel}$ = 67

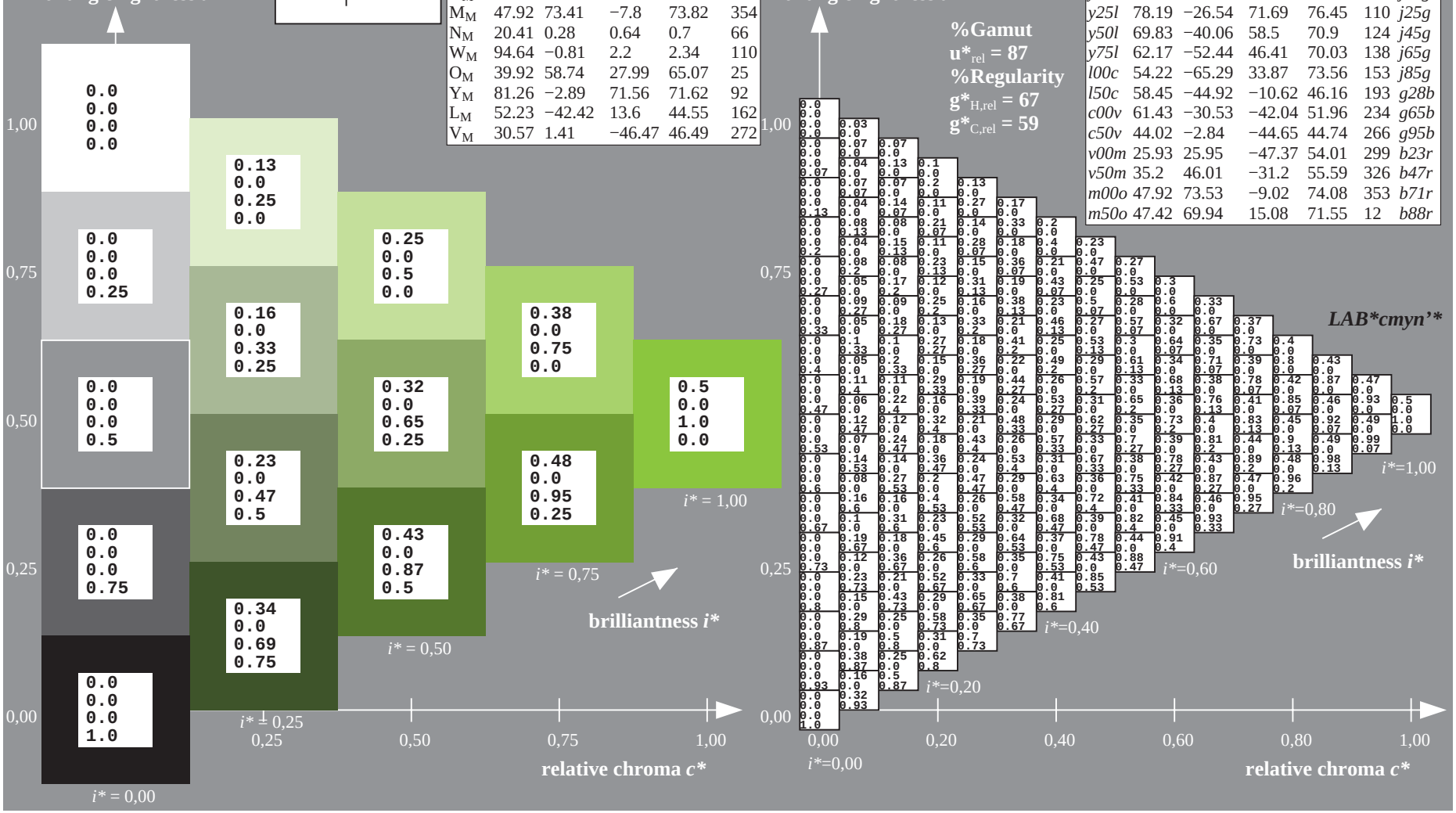
$g^*_{C,rel}$ = 59

u*$_d$ = y50l

LAB*cmyn'*

ORS20_95a; adapted (a) CIELAB data

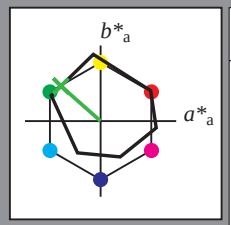
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.385$

$u^*_d = y75l$
LAB*cmyn'*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_d = y75l$ $u^*_e = j65g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



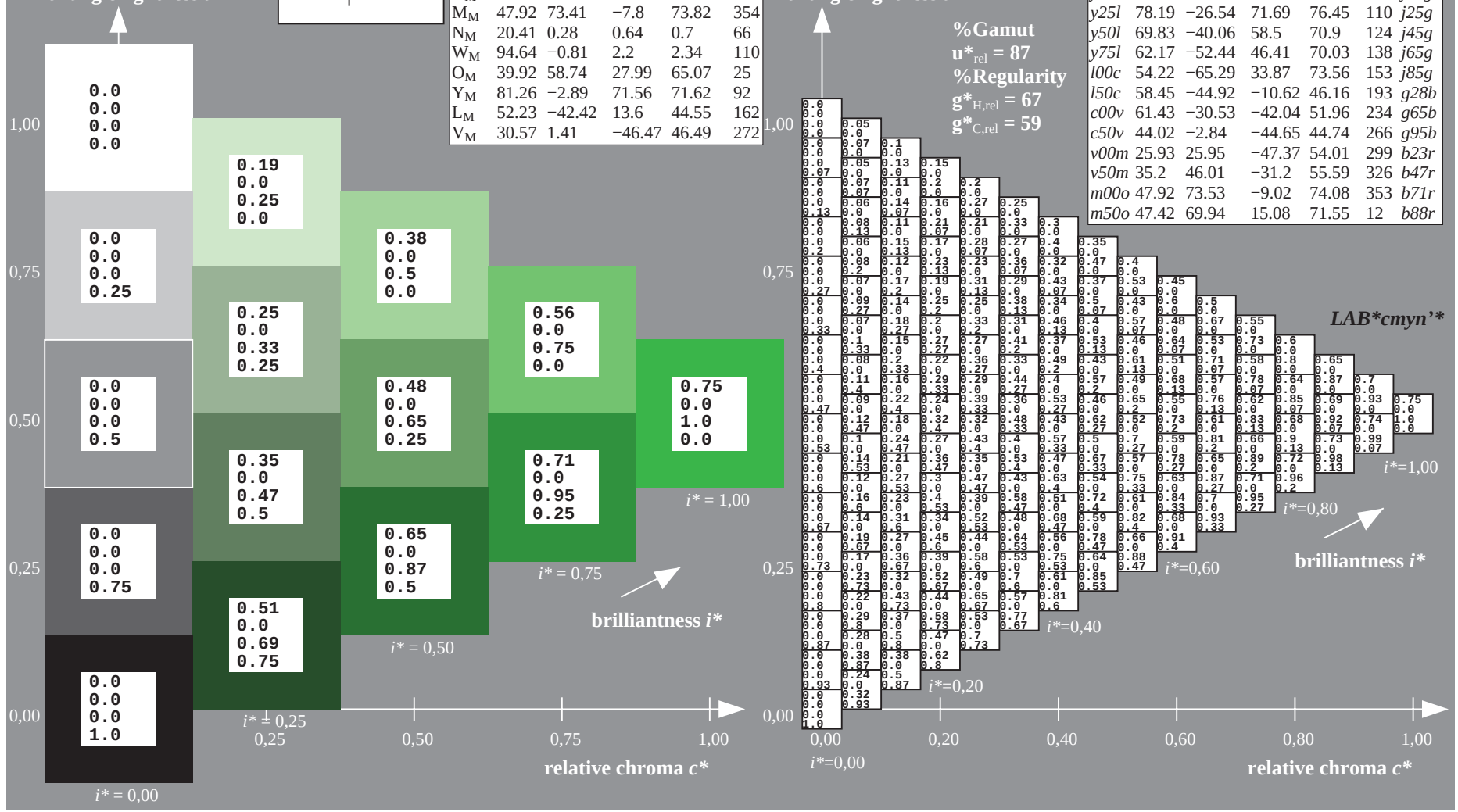
ORS20_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 62 −52 46
LAB*LCH*$_{Ma}$: 62 70 138
lab*olv*$_{Ma}$: 0.25 1.0 0.0
lab*rgb*$_{Ma}$: 0.34 1.0 0.0
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

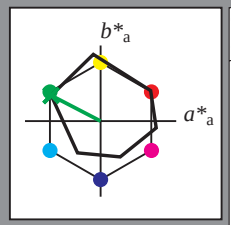
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.424$

$u^*_d = l00c$
LAB*cmyn'*

data for any colour:
lab*tch **and** ***lab*icu****
Hue texts:
$u^*_d = l00c$ $u^*_e = j85g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS20_95a; CIELAB data

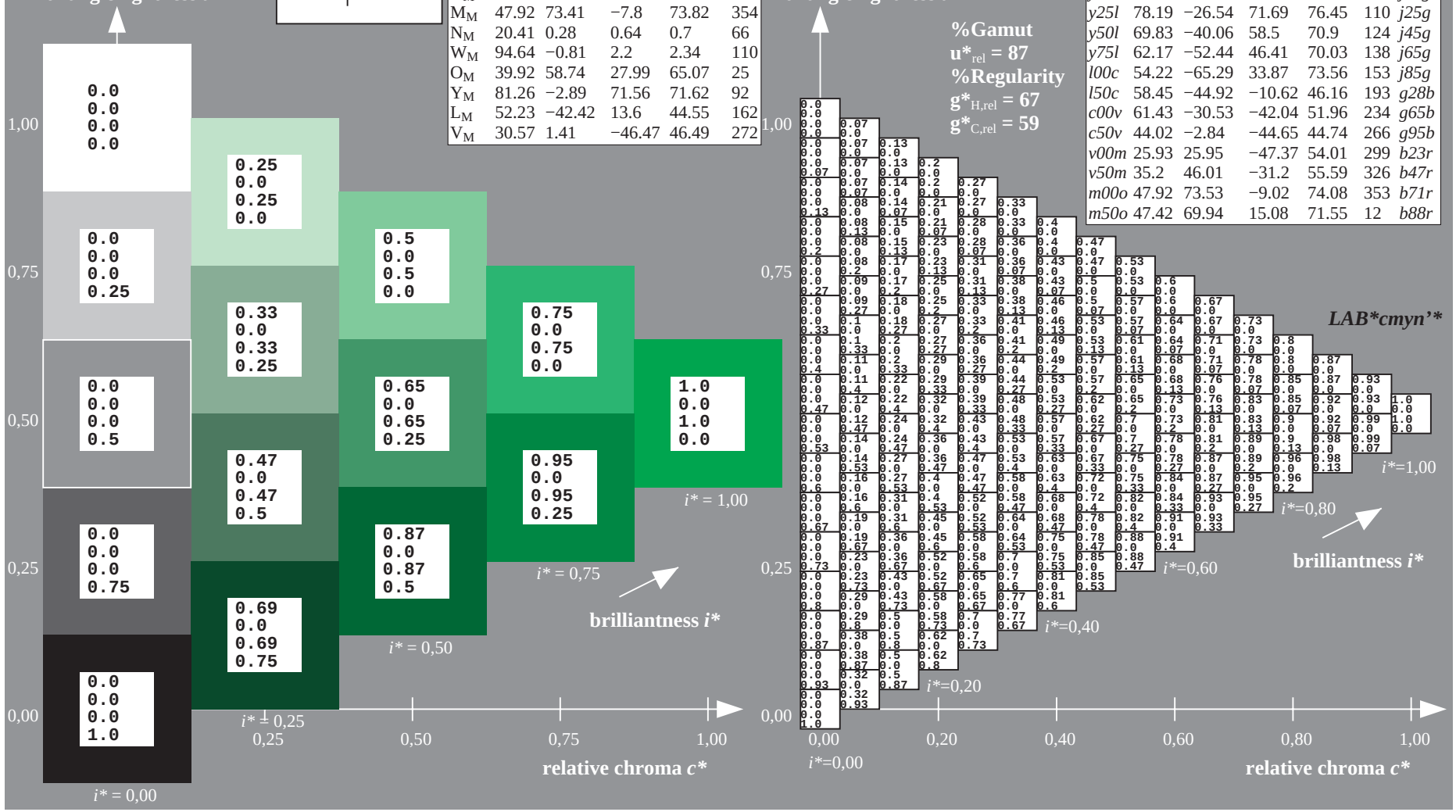
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 54 −65 34**
***LAB*LCH*$_{Ma}$*: 54 74 152**
***lab*olv*$_{Ma}$*: 0.0 1.0 0.0**
***lab*rgb*$_{Ma}$*: 0.14 1.0 0.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

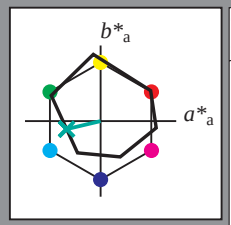
%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 67$
$g^*_{C,rel} = 67$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.537$

$u^*_d = l50c$
LAB*cmyn'*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_d = l50c$ $u^*_e = g28b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



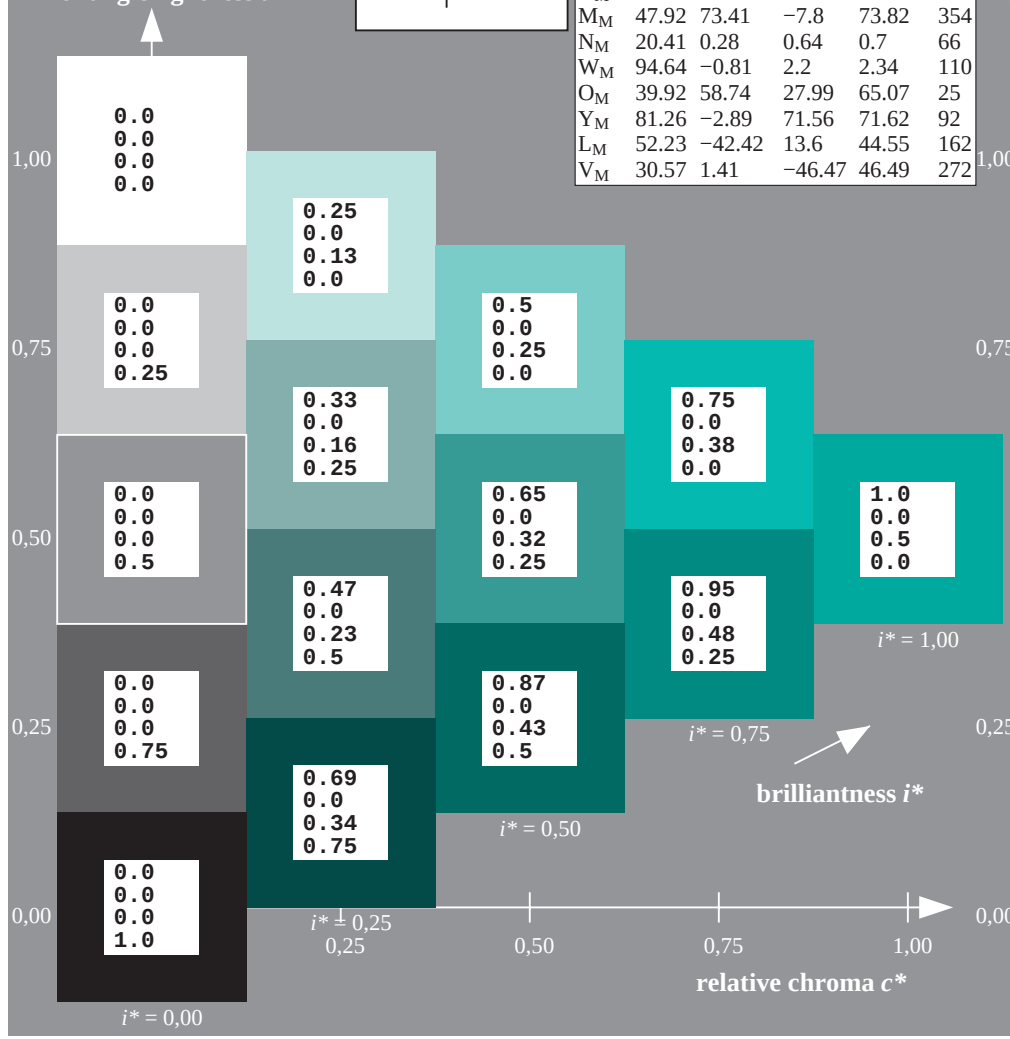
ORS20_95a; CIELAB data

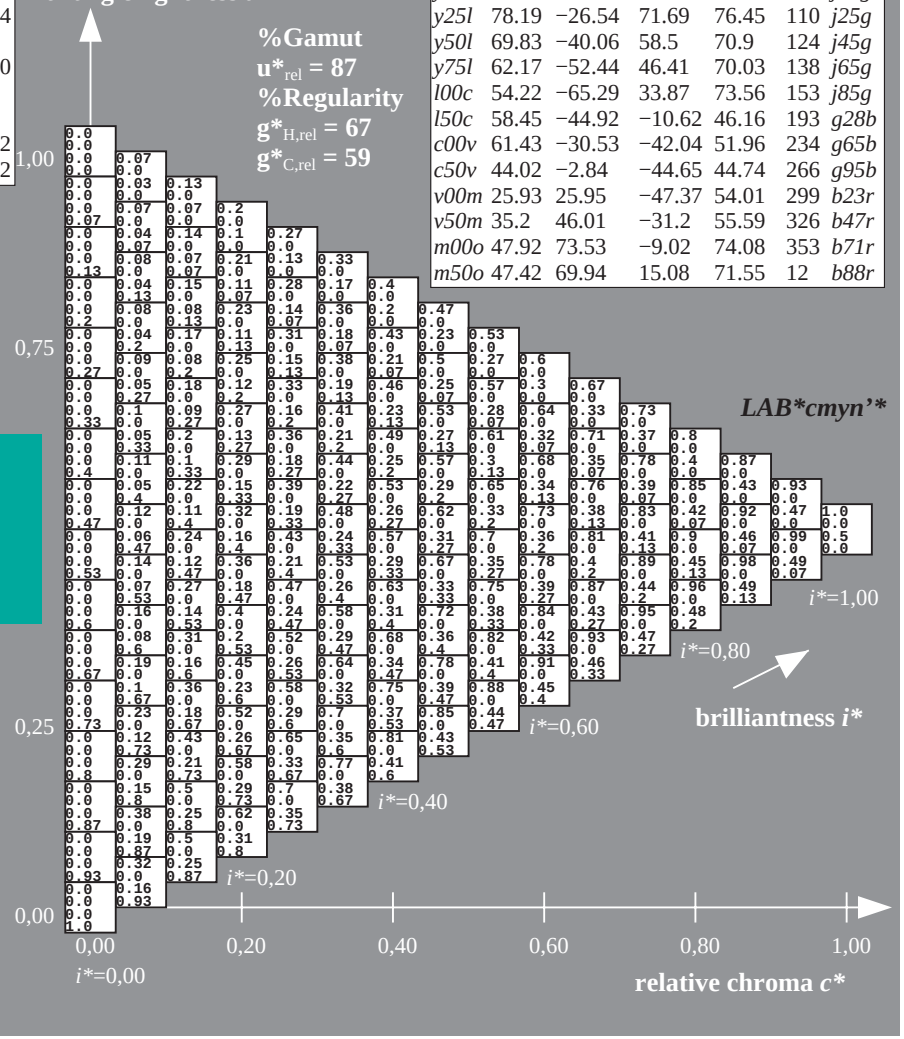
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 58 −45 −11
LAB*LCH*$_{Ma}$: 58 46 193
lab*olv*$_{Ma}$: 0.0 1.0 0.5
lab*rgb*$_{Ma}$: 0.0 1.0 0.57
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

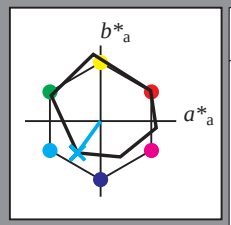




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.65$

$u^*_d = c00v$
LAB*cmyn'*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = c00v$ $u^*_e = g65b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS20_95a; CIELAB data

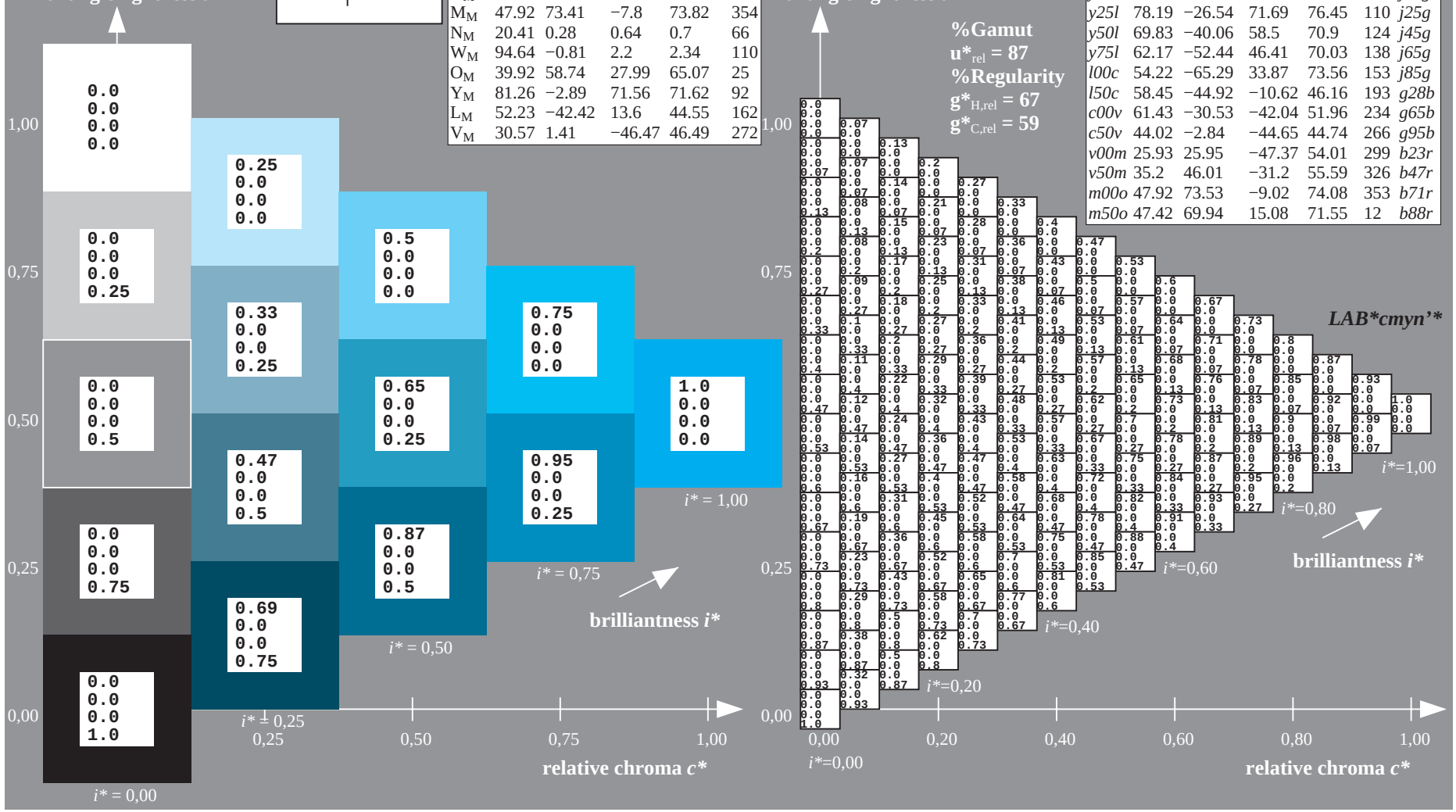
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 61 −31 −42**
***LAB*LCH*Ma*: 61 52 234**
***lab*olv*Ma*: 0.0 1.0 1.0**
***lab*rgb*Ma*: 0.0 0.69 1.0**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 67$
$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.74$

data for any colour:

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

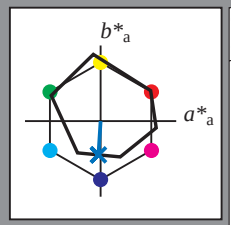
Hue texts:

$u^*_d = c50v$ $u^*_e = g95b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 44 −3 −45

$LAB^*LCH^*_{Ma}$: 44 45 266

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

$lab^*rgb^*_{Ma}$: 0.0 0.1 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

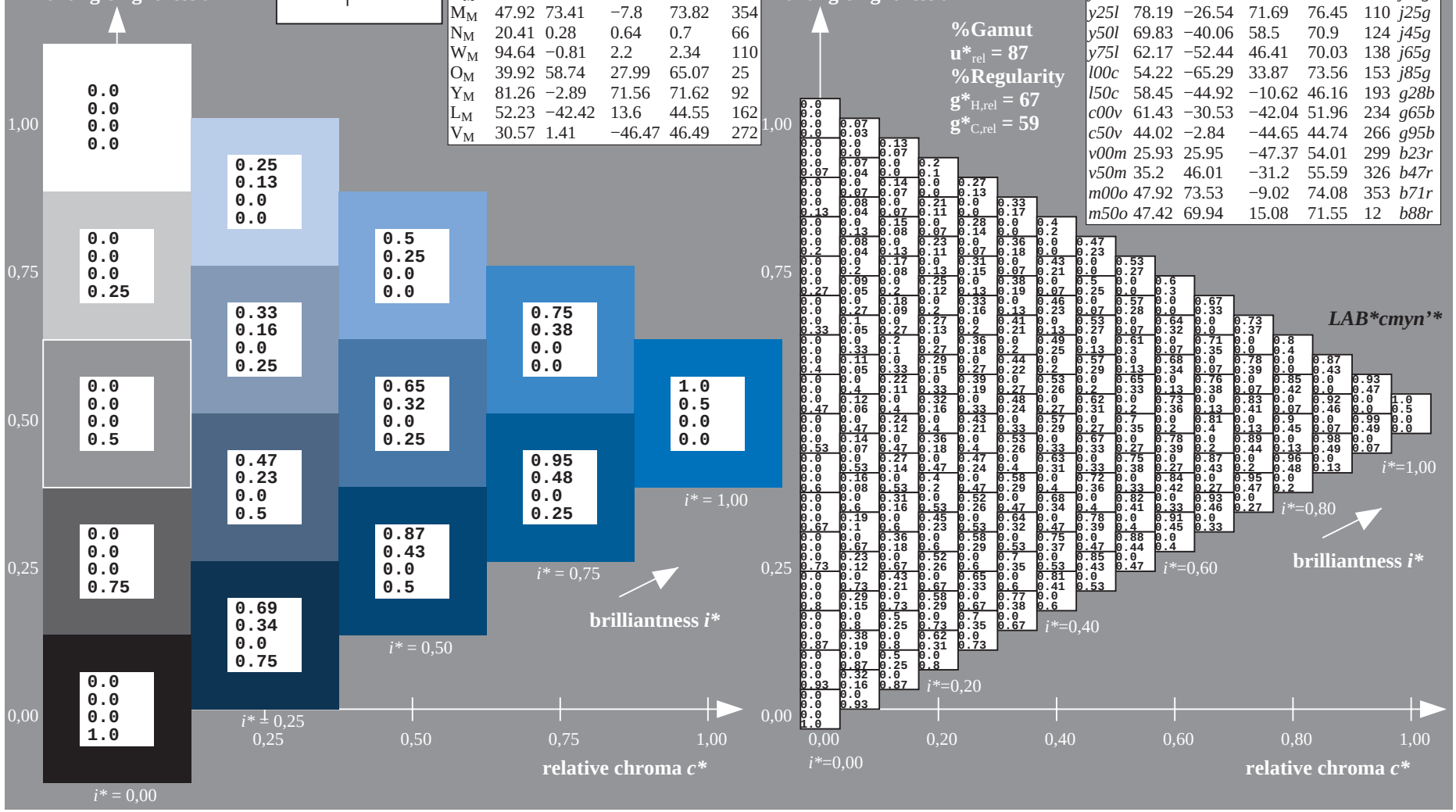
$g^*_{C,rel} = 59$

$u^*_d = c50v$

$LAB^*cmyn'^*$

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.83$

u^*_d = *v00m* **$LAB^*cmyn'^*$**

data for any colour:

lab*tch** and *lab*icu*

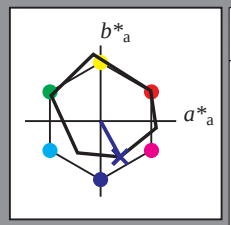
Hue texts:

u^*_d = *v00m* u^*_e = *b23r*

contrast reduction factor:

c_R = 1.0

triangle lightness *t**



ORS20_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 26 26 −47**

***LAB*LCH**$_{Ma}$: 26 54 298**

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

***lab*rgb**$_{Ma}$: 0.47 0.0 1.0**

triangle lightness *t**

%Gamut

u^*_{rel} = 87

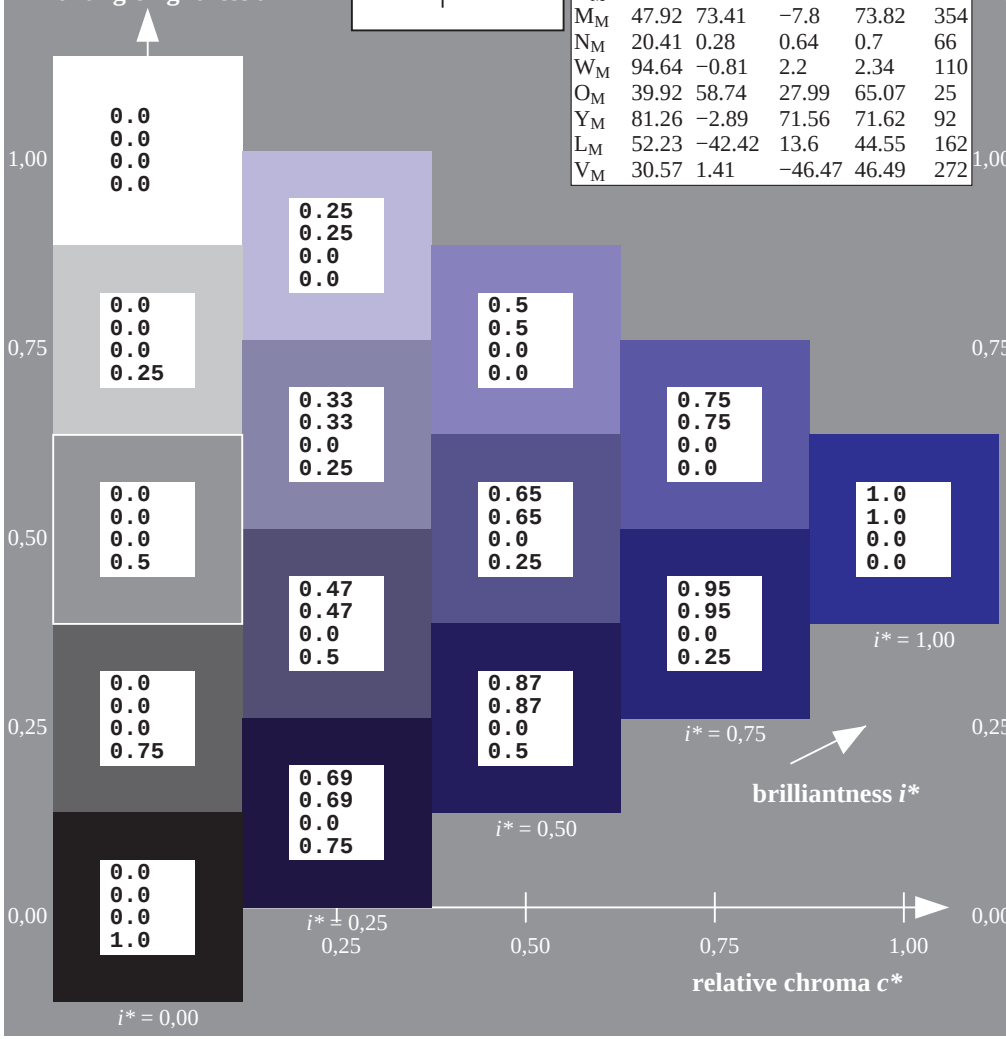
%Regularity

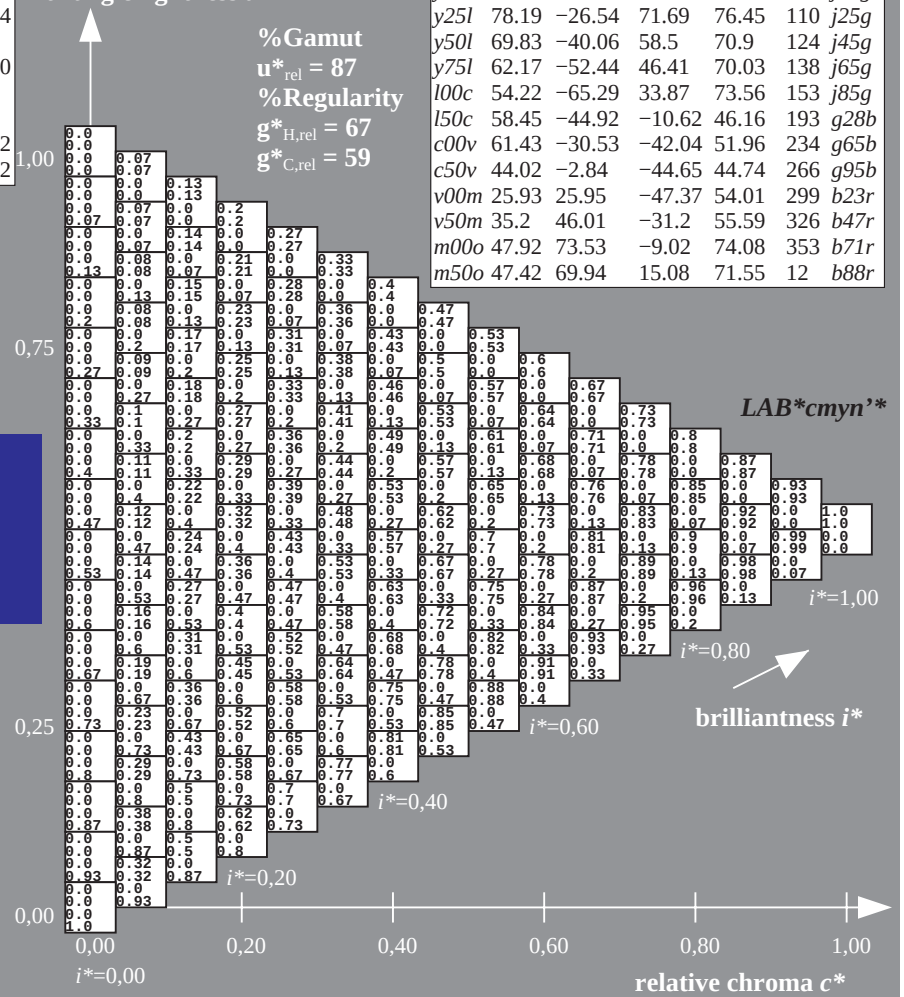
$g^*_{H,rel}$ = 67

$g^*_{C,rel}$ = 59

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

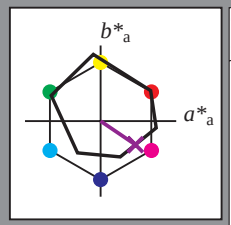




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.905$

$u^*_d = v50m$
$LAB^*cmyn'^*$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = v50m$ $u^*_e = b47r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



ORS20_95a; CIELAB data

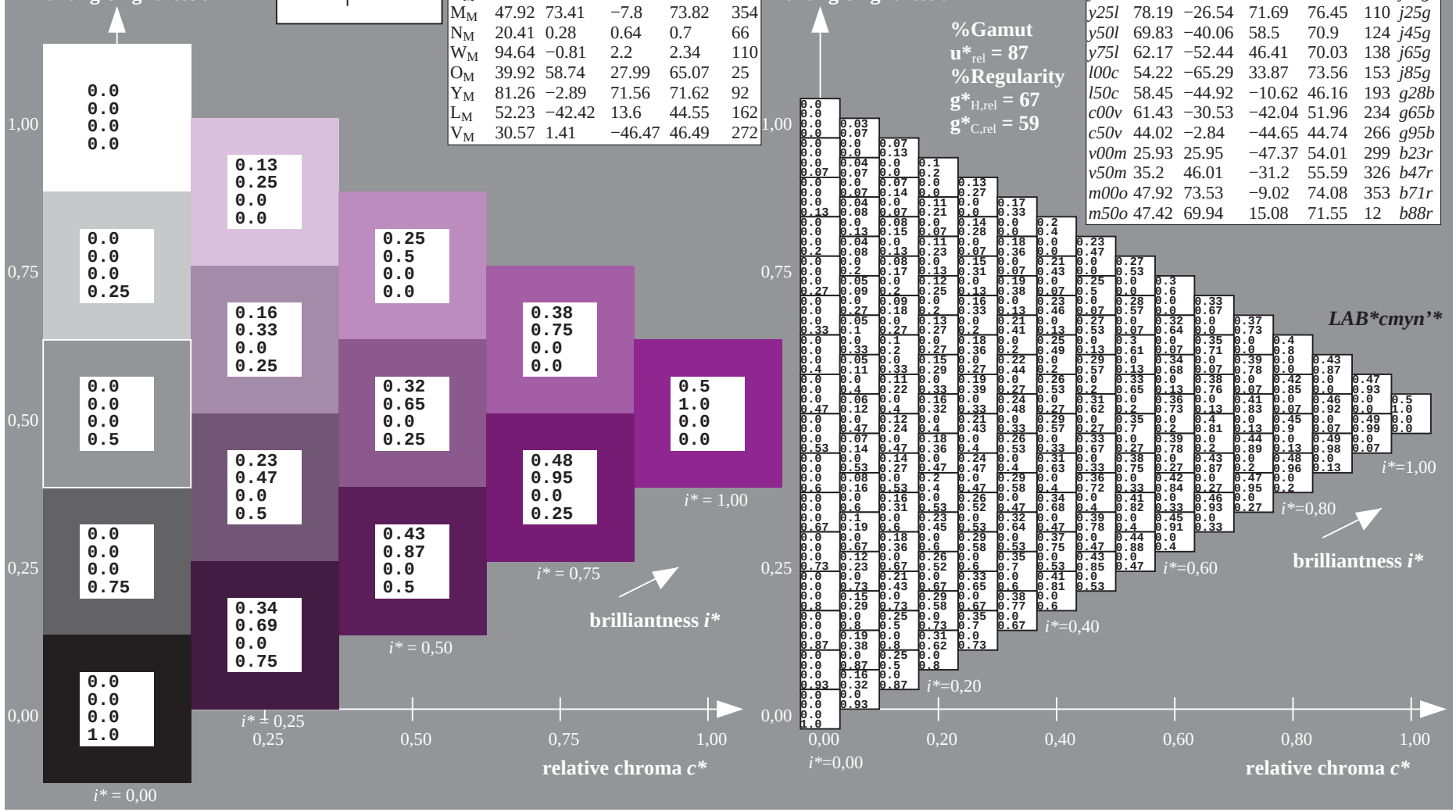
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 35 46 −31
$LAB^*LCH^*_{Ma}$: 35 56 325
$lab^*olv^*_{Ma}$: 0.5 0.0 1.0
$lab^*rgb^*_{Ma}$: 0.95 0.0 1.0
triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*g71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

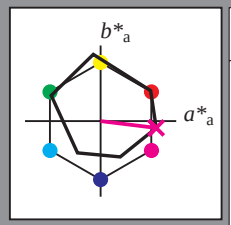
%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 67$
$g^*_{C,rel} = 67$



Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.981$

$u^*_d = m00o$
LAB*cmyn'*

data for any colour:
lab*tch* and lab*icu*
Hue texts:
$u^*_d = m00o$ $u^*_e = b71r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



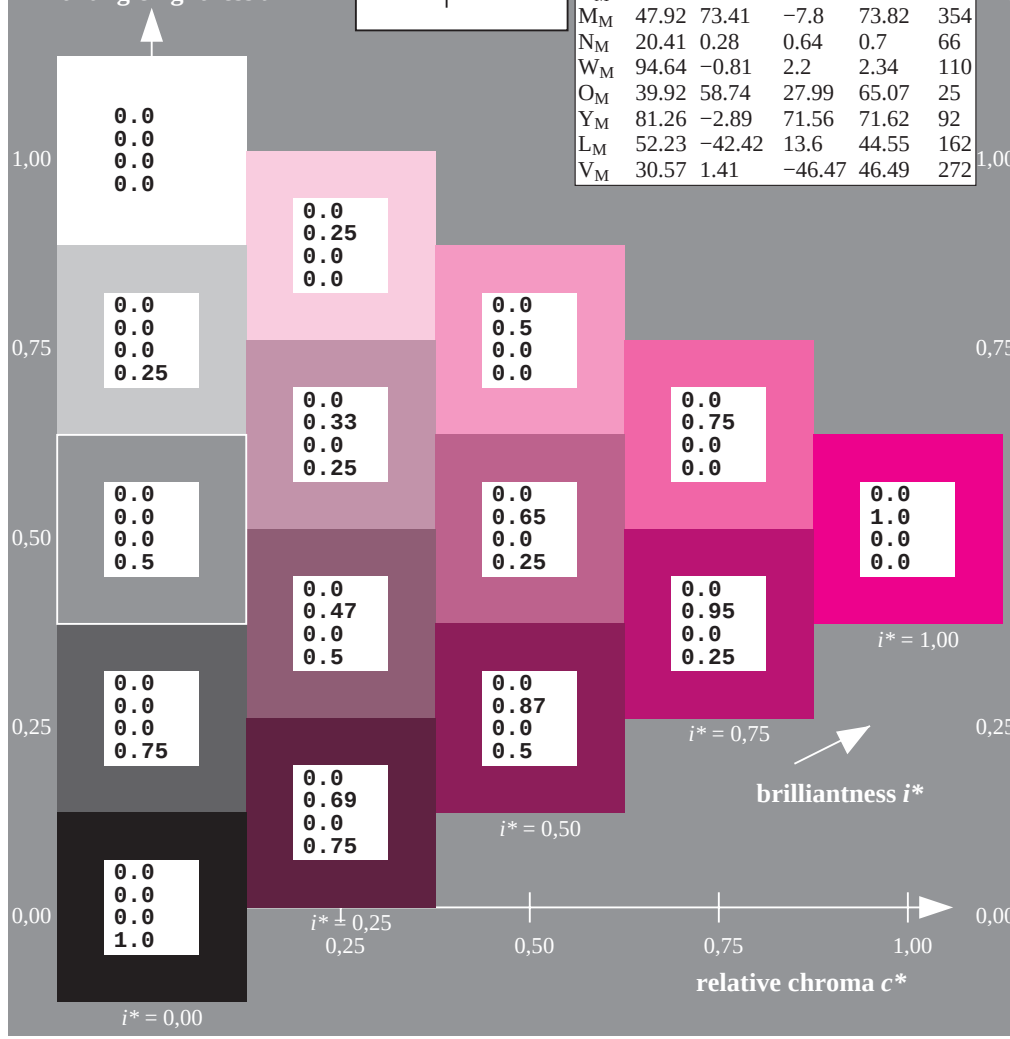
ORS20_95a; CIELAB data

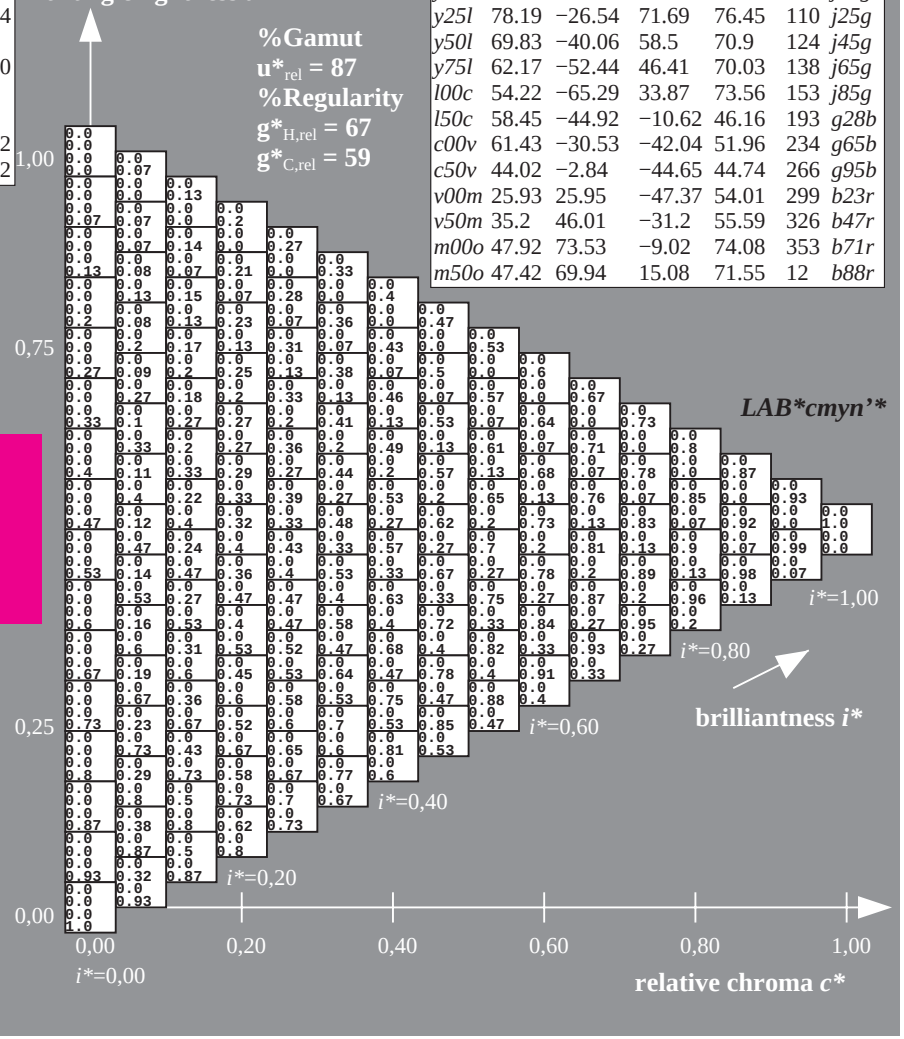
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 48 74 −9**
***LAB*LCH*Ma*: 48 74 353**
***lab*olv*Ma*: 1.0 0.0 1.0**
***lab*rgb*Ma*: 1.0 0.0 0.57**
triangle lightness *t**

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*

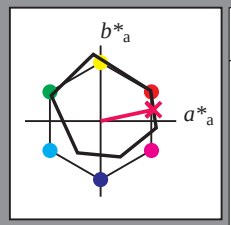




Input and output: Colorimetric Printer Reflective System ORS20_95a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.034$

$u^*_d = m50o$
$LAB^*cmyn'^*$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = m50o$ $u^*_e = b88r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



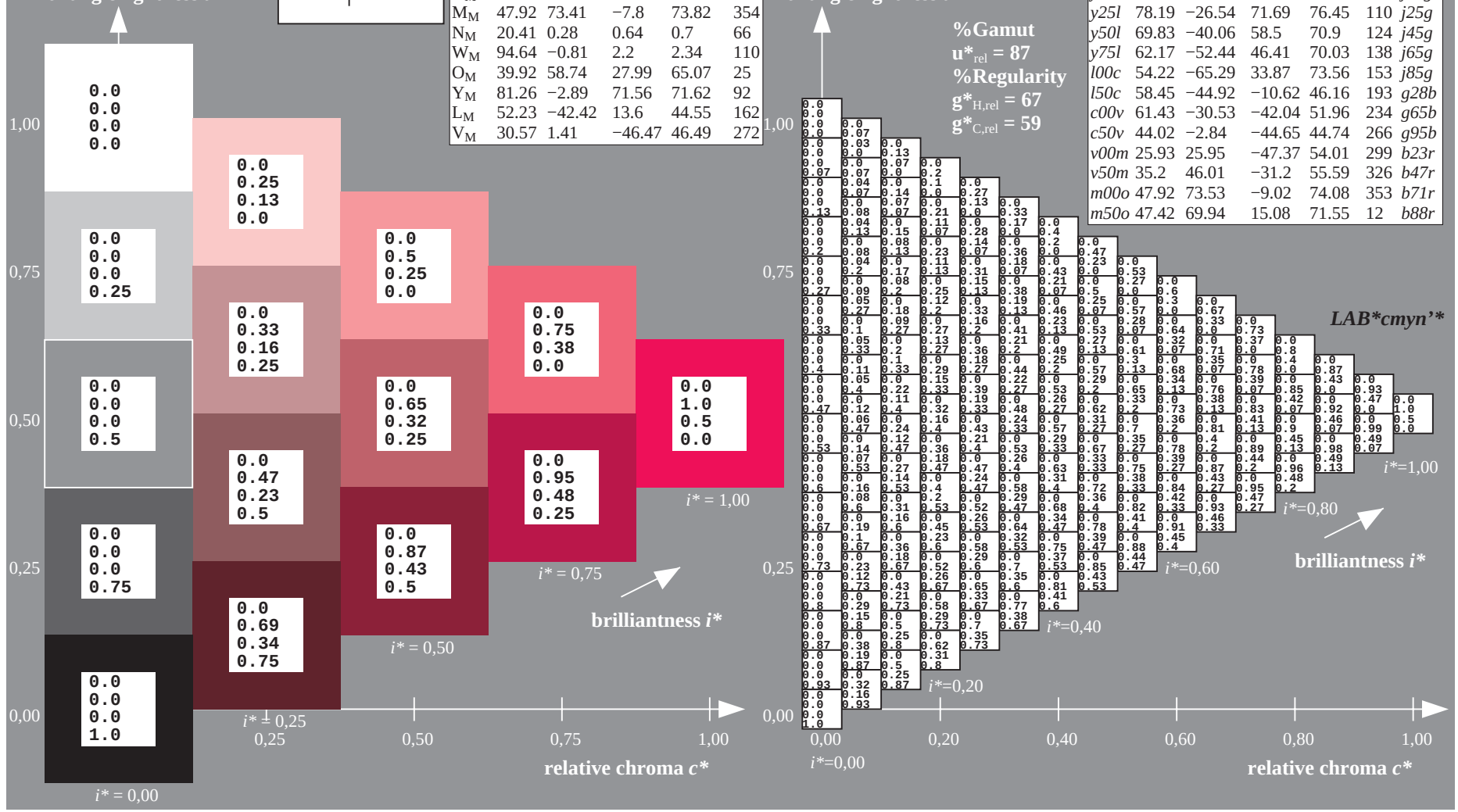
ORS20_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	46.89	66.08	41.48	78.02	32
Y_M	88.66	−10.34	90.28	90.87	97
L_M	54.22	−65.51	35.22	74.38	152
C_M	61.43	−30.85	−40.54	50.94	233
V_M	25.93	26.15	−46.61	53.44	299
M_M	47.92	73.41	−7.8	73.82	354
N_M	20.41	0.28	0.64	0.7	66
W_M	94.64	−0.81	2.2	2.34	110
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 47 70 15
$LAB^*LCH^*_{Ma}$: 47 72 12
$lab^*olv^*_{Ma}$: 1.0 0.0 0.5
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.23
triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	*r09j*
o25y	57.13	47.6	52.04	70.52	48	*r33j*
o50y	66.36	30.85	62.62	69.81	64	*r57j*
o75y	76.18	13.03	73.89	75.03	80	*r81j*
y00l	88.66	−9.62	88.21	88.73	96	*j06g*
y25l	78.19	−26.54	71.69	76.45	110	*j25g*
y50l	69.83	−40.06	58.5	70.9	124	*j45g*
y75l	62.17	−52.44	46.41	70.03	138	*j65g*
l00c	54.22	−65.29	33.87	73.56	153	*j85g*
l50c	58.45	−44.92	−10.62	46.16	193	*g28b*
c00v	61.43	−30.53	−42.04	51.96	234	*g65b*
c50v	44.02	−2.84	−44.65	44.74	266	*g95b*
v00m	25.93	25.95	−47.37	54.01	299	*b23r*
v50m	35.2	46.01	−31.2	55.59	326	*b47r*
m00o	47.92	73.53	−9.02	74.08	353	*b71r*
m50o	47.42	69.94	15.08	71.55	12	*b88r*



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*cmyn'*
01	0.0	0.48	0.69	0.8	0.87	0.92	0.95	0.98	1.0	0.0	0.0	0.34	0.53	0.65	0.73	0.79	0.84	0.88	0.0	0.0	0.0	0.27	0.43	0.55	0.63	0.7	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.69	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0
	0.0	0.48	0.69	0.8	0.87	0.92	0.95	0.98	1.0	0.48	0.48	0.69	0.8	0.87	0.92	0.95	0.98	1.0	0.69	0.69	0.69	0.8	0.87	0.92	0.95	0.98	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0
	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
02	0.48	0.48	0.69	0.8	0.87	0.92	0.95	0.98	1.0	0.0	0.0	0.42	0.58	0.68	0.75	0.8	0.84	0.88	0.0	0.0	0.0	0.29	0.45	0.56	0.64	0.7	0.75	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.69	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.28	0.42	0.56	0.7	0.84	0.98	0.0	0.0
	0.0	0.0	0.34	0.53	0.65	0.73	0.79	0.84	0.88	0.0	0.0	0.42	0.58	0.68	0.75	0.8	0.84	0.88	0.34	0.42	0.72	0.58	0.68	0.75	0.8	0.84	0.88	0.0	0.0	0.14	0.28	0.42	0.56	0.7	0.84	0.98	0.0	0.0
	0.88	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.88	0.88
03	0.69	0.69	0.69	0.8	0.87	0.92	0.95	0.98	1.0	0.34	0.42	0.42	0.58	0.68	0.75	0.8	0.84	0.88	0.0	0.0	0.0	0.31	0.47	0.57	0.65	0.7	0.75	0.25	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.69	0.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.69	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.69	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.33	0.49	0.65	0.8	0.95	0.0	0.0
	0.0	0.0	0.0	0.27	0.43	0.55	0.63	0.7	0.75	0.0	0.0	0.0	0.0	0.29	0.45	0.56	0.64	0.7	0.0	0.0	0.0	0.31	0.47	0.57	0.65	0.7	0.75	0.0	0.0	0.0	0.17	0.33	0.49	0.65	0.8	0.95	0.0	0.0
	0.75	0.75	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.75	0.75
04	0.8	0.8	0.8	0.8	0.87	0.92	0.95	0.98	1.0	0.53	0.58	0.58	0.58	0.68	0.75	0.8	0.84	0.88	0.27	0.29	0.31	0.31	0.47	0.57	0.65	0.7	0.75	0.38	0.28	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.8	0.53	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.58	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.58	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.39	0.57	0.75	0.92	0.0	0.0
	0.0	0.0	0.0	0.0	0.22	0.37	0.48	0.56	0.63	0.0	0.0	0.0	0.0	0.23	0.37	0.48	0.56	0.63	0.0	0.0	0.0	0.0	0.23	0.38	0.48	0.56	0.63	0.0	0.0	0.0	0.0	0.2	0.39	0.57	0.75	0.92	0.0	0.0
	0.63	0.63	0.63	0.63	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.38	0.38	0.38	0.38	0.38	0.63	0.63
05	0.87	0.87	0.87	0.87	0.87	0.92	0.95	0.98	1.0	0.65	0.68	0.68	0.68	0.68	0.75	0.8	0.84	0.88	0.45	0.45	0.47	0.47	0.47	0.57	0.65	0.7	0.75	0.5	0.42	0.33	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.87	0.65	0.43	0.22	0.0	0.0	0.0	0.0	0.0	0.87	0.68	0.45	0.23	0.0	0.0	0.0	0.0	0.0	0.87	0.68	0.47	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.47	0.68	0.87	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.18	0.32	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.19	0.32	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.19	0.32	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.24	0.47	0.68	0.87	0.0	0.0
	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5
06	0.92	0.92	0.92	0.92	0.92	0.92	0.95	0.98	1.0	0.73	0.75	0.75	0.75	0.75	0.75	0.8	0.84	0.88	0.55	0.56	0.57	0.57	0.57	0.57	0.65	0.7	0.75	0.63	0.56	0.49	0.39	0.24	0.0	0.0	0.0	0.0	0.0	0.0
	0.92	0.73	0.55	0.37	0.18	0.0	0.0	0.0	0.0	0.92	0.75	0.56	0.37	0.19	0.0	0.0	0.0	0.0	0.92	0.75	0.57	0.38	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.58	0.8	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.16	0.28	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.28	0.38	0.0	0.0	0.0	0.0	0.0
	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.63	0.63	0.63	0.38	0.38
07	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.98	1.0	0.79	0.8	0.8	0.8	0.8	0.8	0.8	0.84	0.88	0.63	0.64	0.65	0.65	0.65	0.65	0.65	0.7	0.75	0.75	0.7	0.65	0.57	0.47	0.31	0.0	0.0	0.0	0.0	0.0
	0.95	0.79	0.63	0.48	0.32	0.16	0.0	0.0	0.0	0.95	0.8	0.64	0.48	0.32	0.16	0.0	0.0	0.0	0.95	0.8	0.65	0.48	0.32	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.69	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.69	0.0	0.0
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.75	0.75	0.25	0.25
08	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	1.0	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.88	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.75	0.88	0.84	0.8	0.75	0.68	0.58	0.42	0.0	0.0	0.0	0.0
	0.98	0.84	0.7	0.56	0.42	0.28	0.14	0.0	0.0	0.98	0.84	0.7	0.56	0.42	0.28	0.14	0.0	0.0	0.98	0.84	0.7	0.56	0.42	0.28	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.48	0.0	0.0	0.0
	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.88	0.13	0.13
09	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	0.98	0.95	0.92	0.87	0.8	0.69	0.48	0.0	0.0	0.0
	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.22	0.37	0.48	0.56	0.63	0.0	0.0	0.0	0.0	0.0	0.18	0.32	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.28	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.8	0.53	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.87	0.65	0.43	0.22	0.0	0.0	0.0	0.0	0.0	0.92	0.73	0.55	0.37	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.87	0.92	0.95	0.98	1.0	0.87	0.87	0.87	0.87	0.87	0.92	0.95	0.98	1.0	0.92	0.92	0.92	0.92	0.92	0.95	0.98	1.0	0.0	0.0	0.13	0.25	0.38	0.0	0.63	0.75	0.88	1.0	0.0	0.0
	0.63	0.63	0.63	0.63	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
11	0.0	0.0	0.0	0.0	0.23	0.37	0.48	0.56	0.63	0.0	0.0	0.0	0.0	0.0	0.19	0.32	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.28	0.38	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.8	0.58	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.87	0.68	0.45	0.23	0.0	0.0	0.0	0.0	0.0	0.92	0.75	0.56	0.37	0.19	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.63	0.63	0.58	0.58	0.5	0.38	0.25	0.13	0.0	0.58	0.58	0.58	0.58	0.5	0.38	0.25	0.13	0.0	0.58	0.58	0.58	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.13	0.25	0.38	0.42	0.36	0.3	0.54	0.98	0.0	0.0
	0.63	0.63	0.63	0.63	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.93	0.93
12	0.0	0.0	0.0	0.0	0.23	0.38	0.48	0.56	0.63	0.0	0.0	0.0	0.0	0.0	0.19	0.32	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.28	0.38	0.25	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.8	0.58	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.87	0.68	0.47	0.23	0.0	0.0	0.0	0.0	0.0	0.92	0.75	0.57	0.38	0.19	0.0	0.0	0.0	0.0	0.25	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.27	0.29	0.31	0.31	0.47	0.57	0.65	0.7	0.75	0.43	0.45	0.47	0.47	0.47	0.57	0.65	0.7	0.75	0.55	0.56	0.57	0.57	0.57	0.57	0.65	0.7	0.75	0.0	0.0	0.0	0.17	0.33	0.49	0.65	0.8	0.95	0.0	0.0
	0.63	0.63	0.63	0.63	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.0	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.87	0.87
13	0.0	0.0	0.0	0.0	0.24	0.39	0.49	0.56	0.63	0.0	0.0	0.0	0.0	0.0	0.19	0.33	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.28	0.38	0.38	0.28	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.8	0.58	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.87	0.68	0.47	0.24	0.0	0.0	0.0	0.0	0.0	0.92	0.75	0.57	0.39	0.19	0.0	0.0	0.0	0.0	0.38	0.28	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.24	0.39	0.49	0.56	0.63	0.22	0.23	0.24	0.24	0.24	0.39	0.49	0.56	0.63	0.37	0.37	0.38	0.39	0.39	0.39	0.49	0.56	0.63	0.0	0.0	0.0	0.0	0.2	0.39	0.57	0.75	0.92	0.0	0.0
	0.63	0.63	0.63	0.63	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.38	0.38	0.38	0.38	0.38	0.8	0.8
14	0.22	0.23	0.23	0.24	0.24	0.39	0.49	0.56	0.63	0.0	0.0	0.0	0.0	0.0	0.2	0.33	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.28	0.38	0.5	0.42	0.33	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.87	0.68	0.47	0.24	0.0	0.0	0.0	0.0	0.0	0.87	0.68	0.47	0.24	0.0	0.0	0.0	0.0	0.0	0.92	0.75	0.57	0.39	0.2	0.0	0.0	0.0	0.0	0.5	0.42	0.33	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.19	0.33	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.2	0.33	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.28	0.38	0.24	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.5	0.5	0.5	0.5	0.73	0.73
15	0.37	0.37	0.38	0.39	0.39	0.39	0.49	0.56	0.63	0.18	0.19	0.19	0.19	0.2	0.2	0.33	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.28	0.38	0.63	0.56	0.49	0.39	0.24	0.0	0.0	0.0	0.0	0.0	0.0
	0.92	0.75	0.57	0.39	0.19	0.0	0.0	0.0	0.0	0.92	0.75	0.57	0.39	0.2	0.0	0.0	0.0	0.0	0.92	0.75	0.57	0.39	0.2	0.0	0.0	0.0	0.0	0.63	0.56	0.49	0.39	0.24	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.63	0.63	0.63	0.67	0.67
16	0.48	0.48	0.48	0.49	0.49	0.49	0.49	0.56	0.63	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.42	0.5	0.16	0.16	0.16	0.16	0.17	0.17	0.28	0.38	0.75	0.7	0.65	0.57	0.47	0.31	0.0	0.0	0.0	0.0	0.0	0.0
	0.95	0.8	0.65	0.49	0.33	0.16	0.0	0.0	0.0	0.95	0.8	0.65	0.49	0.33	0.16	0.0	0.0	0.0	0.95	0.8	0.65	0.49	0.33	0.17	0.0	0.0	0.0	0.75	0.7	0.65	0.57	0.47	0.31	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.69	0.0	0.0
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.75	0.75	0.6	0.6
17	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.63	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.38	0.88	0.84	0.8	0.75	0.68	0.58	0.42	0.0	0.0	0.0	0.0	0.0
	0.98	0.84	0.7	0.56	0.42	0.28	0.14	0.0	0.0	0.98	0.84	0.7	0.56	0.42	0.28	0.14	0.0	0.0	0.98	0.84	0.7	0.56	0.42	0.28	0.14	0.0	0.0	0.88	0.84	0.8	0.75	0.68	0.58	0.42	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.48	0.0	0.0	0.0
	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.88	0.53	0.53
18	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63