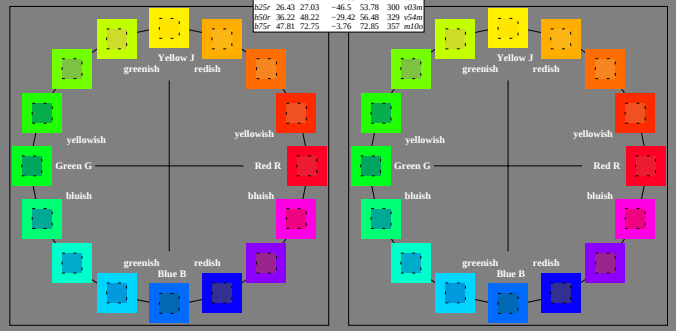
Input and output: Colorimetric Printer Reflective System ORS20_95a
data for any colour:
u^*_e and number $no.$ = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
ϵ_R = 1.0

ORS20_95a: adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	47.06	67.41	32.12	74.67	25	*m84o*
r25j	53.95	53.38	48.38	72.04	42	*o17y*
r50j	63.6	35.87	59.45	69.43	59	*o42y*
r75j	73.37	18.14	70.66	72.95	76	*o68y*
y00g	85.24	−3.4	84.28	84.35	92	*o93y*
y25g	78.53	−25.99	72.23	76.76	110	*y24l*
y50g	68.25	−42.61	56.0	70.37	127	*y55l*
y75g	58.73	−57.99	40.99	71.02	145	*y85l*
y00b	55.66	−58.35	18.71	61.27	162	*l12c*
y25b	58.18	−46.2	−7.82	46.86	190	*l45c*
y50b	60.08	−37.02	−27.87	46.34	217	*l78c*
y75b	55.21	−20.63	−42.98	47.67	244	*c16o*
b00r	41.38	1.37	−45.05	45.07	272	*c50o*
b25r	26.43	27.03	−46.5	53.78	300	*v03m*
b50r	36.22	48.22	−29.42	56.48	329	*v54m*
b75r	47.81	72.75	−3.76	72.85	357	*m10o*

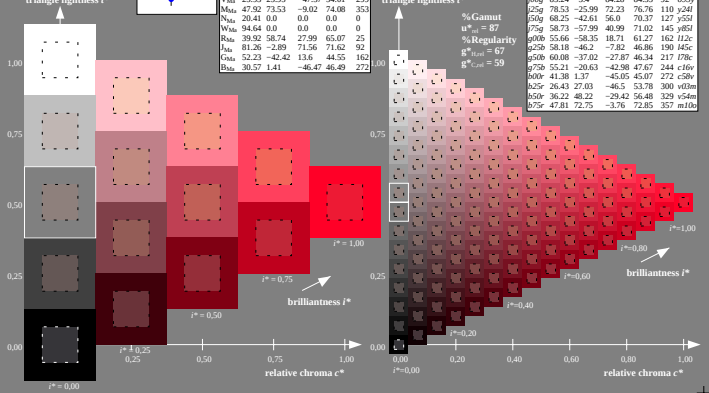
%Gamut u^*_{col} = 87
%Regularity $g^*_{R,col}$ = 67
$g^*_{C,col}$ = 59

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	
R_{CIE}	39.92	58.74	27.99	65.07	25	
J_{CIE}	81.26	−2.89	71.56	71.62	92	
G_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	



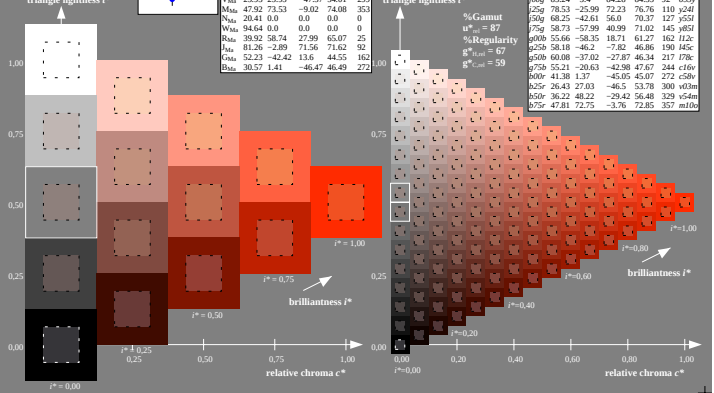
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.071$ u^*_e = *r00j*
data for any colour:
*lab*c*h** and *lab*c*u**
Hue texts:
u^*_e = *r00j* u^*_a = *m84o*
contrast reduction factor:
ϵ_R = 1.0
triangle lightness t^*

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 47 67 32
*LAB*LCH**$_{Ma}$: 47 75 25
*lab*rgb**$_{Ma}$: 1.0 0.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.0 0.15



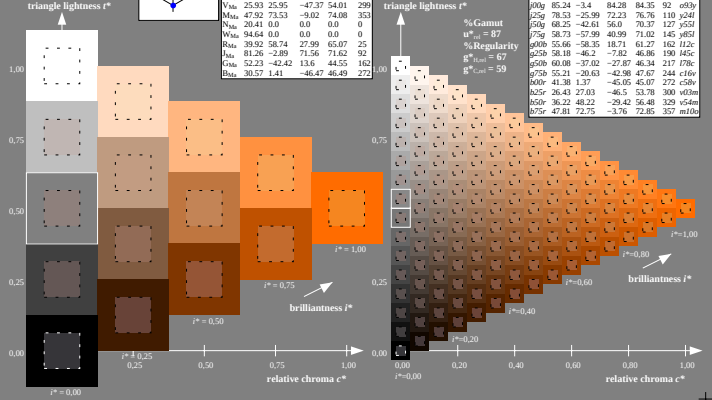
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.117$ u^*_e = *r25j*
data for any colour:
*lab*c*h** and *lab*c*u**
Hue texts:
u^*_e = *r25j* u^*_a = *o17y*
contrast reduction factor:
ϵ_R = 1.0
triangle lightness t^*

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 54 53 48
*LAB*LCH**$_{Ma}$: 54 72 42
*lab*rgb**$_{Ma}$: 1.0 0.25 0.0
*lab*olv**$_{Ma}$: 1.0 0.17 0.0



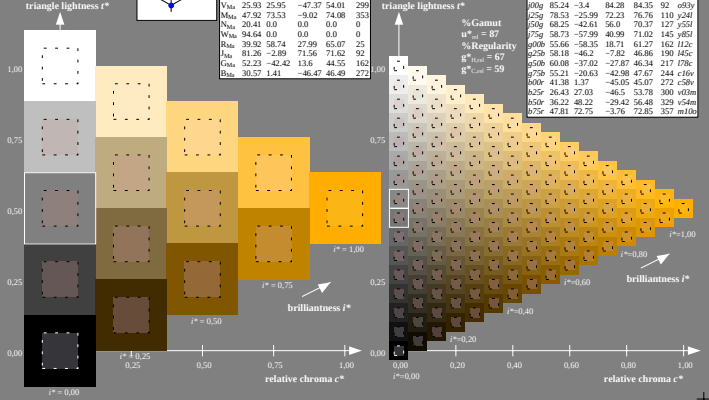
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.164$ u^*_e = *r50j*
data for any colour:
*lab*c*h** and *lab*c*u**
Hue texts:
u^*_e = *r50j* u^*_a = *o42y*
contrast reduction factor:
ϵ_R = 1.0
triangle lightness t^*

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 64 36 59
*LAB*LCH**$_{Ma}$: 64 69 58
*lab*rgb**$_{Ma}$: 1.0 0.5 0.0
*lab*olv**$_{Ma}$: 1.0 0.42 0.0



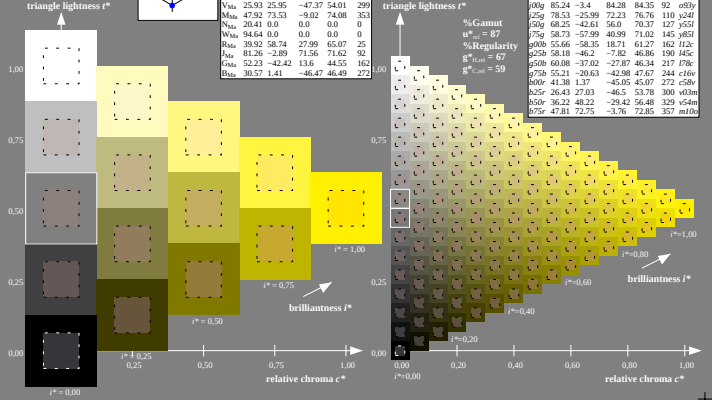
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.21$ u^*_e = *r75j*
data for any colour:
*lab*c*h** and *lab*c*u**
Hue texts:
u^*_e = *r75j* u^*_a = *o68y*
contrast reduction factor:
ϵ_R = 1.0
triangle lightness t^*

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 73 18 71
*LAB*LCH**$_{Ma}$: 73 73 75
*lab*rgb**$_{Ma}$: 1.0 0.75 0.0
*lab*olv**$_{Ma}$: 1.0 0.68 0.0



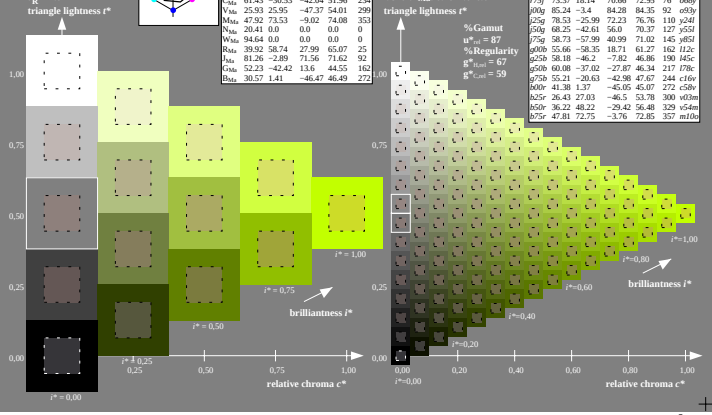
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.256$ u^*_e = *j00g*
data for any colour:
*lab*c*h** and *lab*c*u**
Hue texts:
u^*_e = *j00g* u^*_a = *o93y*
contrast reduction factor:
ϵ_R = 1.0
triangle lightness t^*

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 85 −3 84
*LAB*LCH**$_{Ma}$: 85 84 92
*lab*rgb**$_{Ma}$: 1.0 1.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.94 0.0



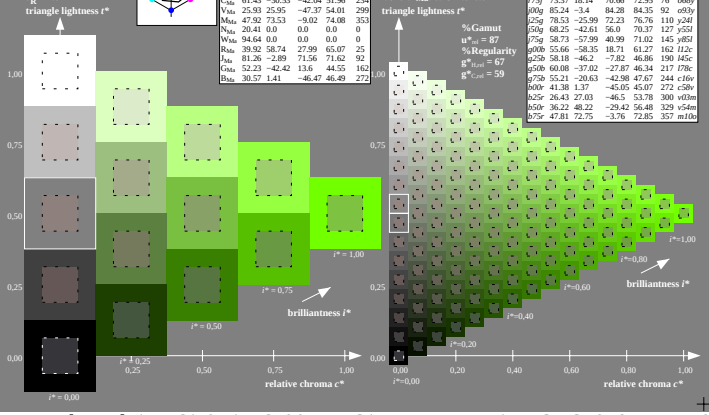
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.305$ u^*_e = *j25g*
data for any colour:
*lab*c*h** and *lab*c*u**
Hue texts:
u^*_e = *j25g* u^*_a = *y24l*
contrast reduction factor:
ϵ_R = 1.0
triangle lightness t^*

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 79 −26 72
*LAB*LCH**$_{Ma}$: 79 77 109
*lab*rgb**$_{Ma}$: 0.75 1.0 0.0
*lab*olv**$_{Ma}$: 0.76 1.0 0.0



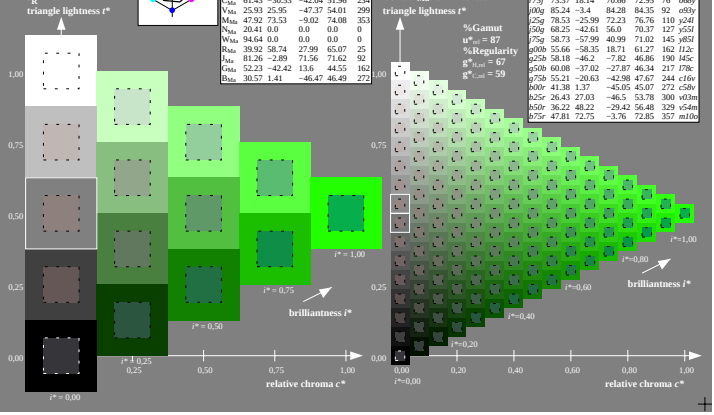
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.354$ u^*_e = *j50g*
data for any colour:
*lab*c*h** and *lab*c*u**
Hue texts:
u^*_e = *j50g* u^*_a = *y55l*
contrast reduction factor:
ϵ_R = 1.0
triangle lightness t^*

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 68 −43 56
*LAB*LCH**$_{Ma}$: 68 70 127
*lab*rgb**$_{Ma}$: 0.5 1.0 0.0
*lab*olv**$_{Ma}$: 0.45 1.0 0.0



Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.402$ u^*_e = *j75g*
data for any colour:
*lab*c*h** and *lab*c*u**
Hue texts:
u^*_e = *j75g* u^*_a = *y85l*
contrast reduction factor:
ϵ_R = 1.0
triangle lightness t^*

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 59 −58 41
*LAB*LCH**$_{Ma}$: 59 71 144
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.14 1.0 0.0



Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.071$ $u^*_e = r00j$

data for any colour: lab^*lch^* and lab^*icu^*

Hue texts: $u^*_e = r00j$ $u^*_d = m84o$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 47 67 32 $LAB^*LCH^*_{Ma}$: 47 75 25 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.0 $lab^*olv^*_{Ma}$: 1.0 0.0 0.15

%Gamut $u^*_{gmt} = 87$ %Regularity $g^*_{Reg} = 67$ $g^*_{Crel} = 59$

brilliantness i^*

relative chroma c^*

ORS20_95a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
R_{Ma}	39.92	58.74	27.99	65.07	25	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	30.57	1.41	−46.47	46.49	272	
r00j	47.06	67.41	32.12	74.67	25	m84o
r25j	53.95	53.38	48.38	72.04	42	o17y
r50j	63.6	35.87	59.45	69.43	59	o42y
r75j	73.37	18.14	70.66	72.95	76	o68y
j00g	85.24	−3.4	84.28	84.35	92	o93y
j25g	78.53	−25.99	72.23	76.76	110	y24l
j50g	68.25	−42.61	56.0	70.37	127	y55l
j75g	58.73	−57.99	40.99	71.02	145	y85l
g00b	55.66	−58.35	18.71	61.27	162	l12c
g25b	58.18	−46.2	−7.82	46.86	190	l45c
g50b	60.08	−37.02	−27.87	46.34	217	l78c
g75b	55.21	−20.63	−42.98	47.67	244	c16o
b00r	41.38	1.37	−45.05	45.07	272	c50o
b25r	26.43	27.03	−46.5	53.78	300	v03m
b50r	36.22	48.22	−29.42	56.48	329	v54m
b75r	47.81	72.75	−3.76	72.85	357	m10o

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.117$ $u^*_e = r25j$

data for any colour: lab^*lch^* and lab^*icu^*

Hue texts: $u^*_e = r25j$ $u^*_d = o17y$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 54 53 48 $LAB^*LCH^*_{Ma}$: 54 72 42 $lab^*rgb^*_{Ma}$: 1.0 0.25 0.0 $lab^*olv^*_{Ma}$: 1.0 0.17 0.0

%Gamut $u^*_{gmt} = 87$ %Regularity $g^*_{Reg} = 67$ $g^*_{Crel} = 59$

brilliantness i^*

relative chroma c^*

ORS20_95a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
R_{Ma}	39.92	58.74	27.99	65.07	25	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	30.57	1.41	−46.47	46.49	272	
r00j	47.06	67.41	32.12	74.67	25	m84o
r25j	53.95	53.38	48.38	72.04	42	o17y
r50j	63.6	35.87	59.45	69.43	59	o42y
r75j	73.37	18.14	70.66	72.95	76	o68y
j00g	85.24	−3.4	84.28	84.35	92	o93y
j25g	78.53	−25.99	72.23	76.76	110	y24l
j50g	68.25	−42.61	56.0	70.37	127	y55l
j75g	58.73	−57.99	40.99	71.02	145	y85l
g00b	55.66	−58.35	18.71	61.27	162	l12c
g25b	58.18	−46.2	−7.82	46.86	190	l45c
g50b	60.08	−37.02	−27.87	46.34	217	l78c
g75b	55.21	−20.63	−42.98	47.67	244	c16o
b00r	41.38	1.37	−45.05	45.07	272	c50o
b25r	26.43	27.03	−46.5	53.78	300	v03m
b50r	36.22	48.22	−29.42	56.48	329	v54m
b75r	47.81	72.75	−3.76	72.85	357	m10o

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.164$ $u^*_e = r50j$

data for any colour: lab^*lch^* and lab^*icu^*

Hue texts: $u^*_e = r50j$ $u^*_d = o42y$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 64 36 59 $LAB^*LCH^*_{Ma}$: 64 69 58 $lab^*rgb^*_{Ma}$: 1.0 0.5 0.0 $lab^*olv^*_{Ma}$: 1.0 0.42 0.0

%Gamut $u^*_{gmt} = 87$ %Regularity $g^*_{Reg} = 67$ $g^*_{Crel} = 59$

brilliantness i^*

relative chroma c^*

ORS20_95a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
R_{Ma}	39.92	58.74	27.99	65.07	25	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	30.57	1.41	−46.47	46.49	272	
r00j	47.06	67.41	32.12	74.67	25	m84o
r25j	53.95	53.38	48.38	72.04	42	o17y
r50j	63.6	35.87	59.45	69.43	59	o42y
r75j	73.37	18.14	70.66	72.95	76	o68y
j00g	85.24	−3.4	84.28	84.35	92	o93y
j25g	78.53	−25.99	72.23	76.76	110	y24l
j50g	68.25	−42.61	56.0	70.37	127	y55l
j75g	58.73	−57.99	40.99	71.02	145	y85l
g00b	55.66	−58.35	18.71	61.27	162	l12c
g25b	58.18	−46.2	−7.82	46.86	190	l45c
g50b	60.08	−37.02	−27.87	46.34	217	l78c
g75b	55.21	−20.63	−42.98	47.67	244	c16o
b00r	41.38	1.37	−45.05	45.07	272	c50o
b25r	26.43	27.03	−46.5	53.78	300	v03m
b50r	36.22	48.22	−29.42	56.48	329	v54m
b75r	47.81	72.75	−3.76	72.85	357	m10o

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.21$ $u^*_e = r75j$

data for any colour: lab^*lch^* and lab^*icu^*

Hue texts: $u^*_e = r75j$ $u^*_d = o68y$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 73 18 71 $LAB^*LCH^*_{Ma}$: 73 73 75 $lab^*rgb^*_{Ma}$: 1.0 0.75 0.0 $lab^*olv^*_{Ma}$: 1.0 0.68 0.0

%Gamut $u^*_{gmt} = 87$ %Regularity $g^*_{Reg} = 67$ $g^*_{Crel} = 59$

brilliantness i^*

relative chroma c^*

ORS20_95a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
R_{Ma}	39.92	58.74	27.99	65.07	25	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	30.57	1.41	−46.47	46.49	272	
r00j	47.06	67.41	32.12	74.67	25	m84o
r25j	53.95	53.38	48.38	72.04	42	o17y
r50j	63.6	35.87	59.45	69.43	59	o42y
r75j	73.37	18.14	70.66	72.95	76	o68y
j00g	85.24	−3.4	84.28	84.35	92	o93y
j25g	78.53	−25.99	72.23	76.76	110	y24l
j50g	68.25	−42.61	56.0	70.37	127	y55l
j75g	58.73	−57.99	40.99	71.02	145	y85l
g00b	55.66	−58.35	18.71	61.27	162	l12c
g25b	58.18	−46.2	−7.82	46.86	190	l45c
g50b	60.08	−37.02	−27.87	46.34	217	l78c
g75b	55.21	−20.63	−42.98	47.67	244	c16o
b00r	41.38	1.37	−45.05	45.07	272	c50o
b25r	26.43	27.03	−46.5	53.78	300	v03m
b50r	36.22	48.22	−29.42	56.48	329	v54m
b75r	47.81	72.75	−3.76	72.85	357	m10o

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.256$ $u^*_e = j00g$

data for any colour: lab^*lch^* and lab^*icu^*

Hue texts: $u^*_e = j00g$ $u^*_d = o93y$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 85 −3 84 $LAB^*LCH^*_{Ma}$: 85 84 92 $lab^*rgb^*_{Ma}$: 1.0 1.0 0.0 $lab^*olv^*_{Ma}$: 1.0 0.94 0.0

%Gamut $u^*_{gmt} = 87$ %Regularity $g^*_{Reg} = 67$ $g^*_{Crel} = 59$

brilliantness i^*

relative chroma c^*

ORS20_95a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
R_{Ma}	39.92	58.74	27.99	65.07	25	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	30.57	1.41	−46.47	46.49	272	
r00j	47.06	67.41	32.12	74.67	25	m84o
r25j	53.95	53.38	48.38	72.04	42	o17y
r50j	63.6	35.87	59.45	69.43	59	o42y
r75j	73.37	18.14	70.66	72.95	76	o68y
j00g	85.24	−3.4	84.28	84.35	92	o93y
j25g	78.53	−25.99	72.23	76.76	110	y24l
j50g	68.25	−42.61	56.0	70.37	127	y55l
j75g	58.73	−57.99	40.99	71.02	145	y85l
g00b	55.66	−58.35	18.71	61.27	162	l12c
g25b	58.18	−46.2	−7.82	46.86	190	l45c
g50b	60.08	−37.02	−27.87	46.34	217	l78c
g75b	55.21	−20.63	−42.98	47.67	244	c16o
b00r	41.38	1.37	−45.05	45.07	272	c50o
b25r	26.43	27.03	−46.5	53.78	300	v03m
b50r	36.22	48.22	−29.42	56.48	329	v54m
b75r	47.81	72.75	−3.76	72.85	357	m10o

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.305$ $u^*_e = j25g$

data for any colour: lab^*lch^* and lab^*icu^*

Hue texts: $u^*_e = j25g$ $u^*_d = y24l$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 79 −26 72 $LAB^*LCH^*_{Ma}$: 79 77 109 $lab^*rgb^*_{Ma}$: 0.75 1.0 0.0 $lab^*olv^*_{Ma}$: 0.76 1.0 0.0

%Gamut $u^*_{gmt} = 87$ %Regularity $g^*_{Reg} = 67$ $g^*_{Crel} = 59$

brilliantness i^*

relative chroma c^*

ORS20_95a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
R_{Ma}	39.92	58.74	27.99	65.07	25	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	30.57	1.41	−46.47	46.49	272	
r00j	47.06	67.41	32.12	74.67	25	m84o
r25j	53.95	53.38	48.38	72.04	42	o17y
r50j	63.6	35.87	59.45	69.43	59	o42y
r75j	73.37	18.14	70.66	72.95	76	o68y
j00g	85.24	−3.4	84.28	84.35	92	o93y
j25g	78.53	−25.99	72.23	76.76	110	y24l
j50g	68.25	−42.61	56.0	70.37	127	y55l
j75g	58.73	−57.99	40.99	71.02	145	y85l
g00b	55.66	−58.35	18.71	61.27	162	l12c
g25b	58.18	−46.2	−7.82	46.86	190	l45c
g50b	60.08	−37.02	−27.87	46.34	217	l78c
g75b	55.21	−20.63	−42.98	47.67	244	c16o
b00r	41.38	1.37	−45.05	45.07	272	c50o
b25r	26.43	27.03	−46.5	53.78	300	v03m
b50r	36.22	48.22	−29.42	56.48	329	v54m
b75r	47.81	72.75	−3.76	72.85	357	m10o

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.354$ $u^*_e = j50g$

data for any colour: lab^*lch^* and lab^*icu^*

Hue texts: $u^*_e = j50g$ $u^*_d = y55l$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 68 −43 56 $LAB^*LCH^*_{Ma}$: 68 70 127 $lab^*rgb^*_{Ma}$: 0.5 1.0 0.0 $lab^*olv^*_{Ma}$: 0.45 1.0 0.0

%Gamut $u^*_{gmt} = 87$ %Regularity $g^*_{Reg} = 67$ $g^*_{Crel} = 59$

brilliantness i^*

relative chroma c^*

ORS20_95a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
R_{Ma}	39.92	58.74	27.99	65.07	25	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	30.57	1.41	−46.47	46.49	272	
r00j	47.06	67.41	32.12	74.67	25	m84o
r25j	53.95	53.38	48.38	72.04	42	o17y
r50j	63.6	35.87	59.45	69.43	59	o42y
r75j	73.37	18.14	70.66	72.95	76	o68y
j00g	85.24	−3.4	84.28	84.35	92	o93y
j25g	78.53	−25.99	72.23	76.76	110	y24l
j50g	68.25	−42.61	56.0	70.37	127	y55l
j75g	58.73	−57.99	40.99	71.02	145	y85l
g00b	55.66	−58.35	18.71	61.27	162	l12c
g25b	58.18	−46.2	−7.82	46.86	190	l45c
g50b	60.08	−37.02	−27.87	46.34	217	l78c
g75b	55.21	−20.63	−42.98	47.67	244	c16o
b00r	41.38	1.37	−45.05	45.07	272	c50o
b25r	26.43	27.03	−46.5	53.78	300	v03m
b50r	36.22	48.22	−29.42	56.48	329	v54m
b75r	47.81	72.75	−3.76	72.85	357	m10o

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.402$ $u^*_e = j75g$

data for any colour: lab^*lch^* and lab^*icu^*

Hue texts: $u^*_e = j75g$ $u^*_d = y85l$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

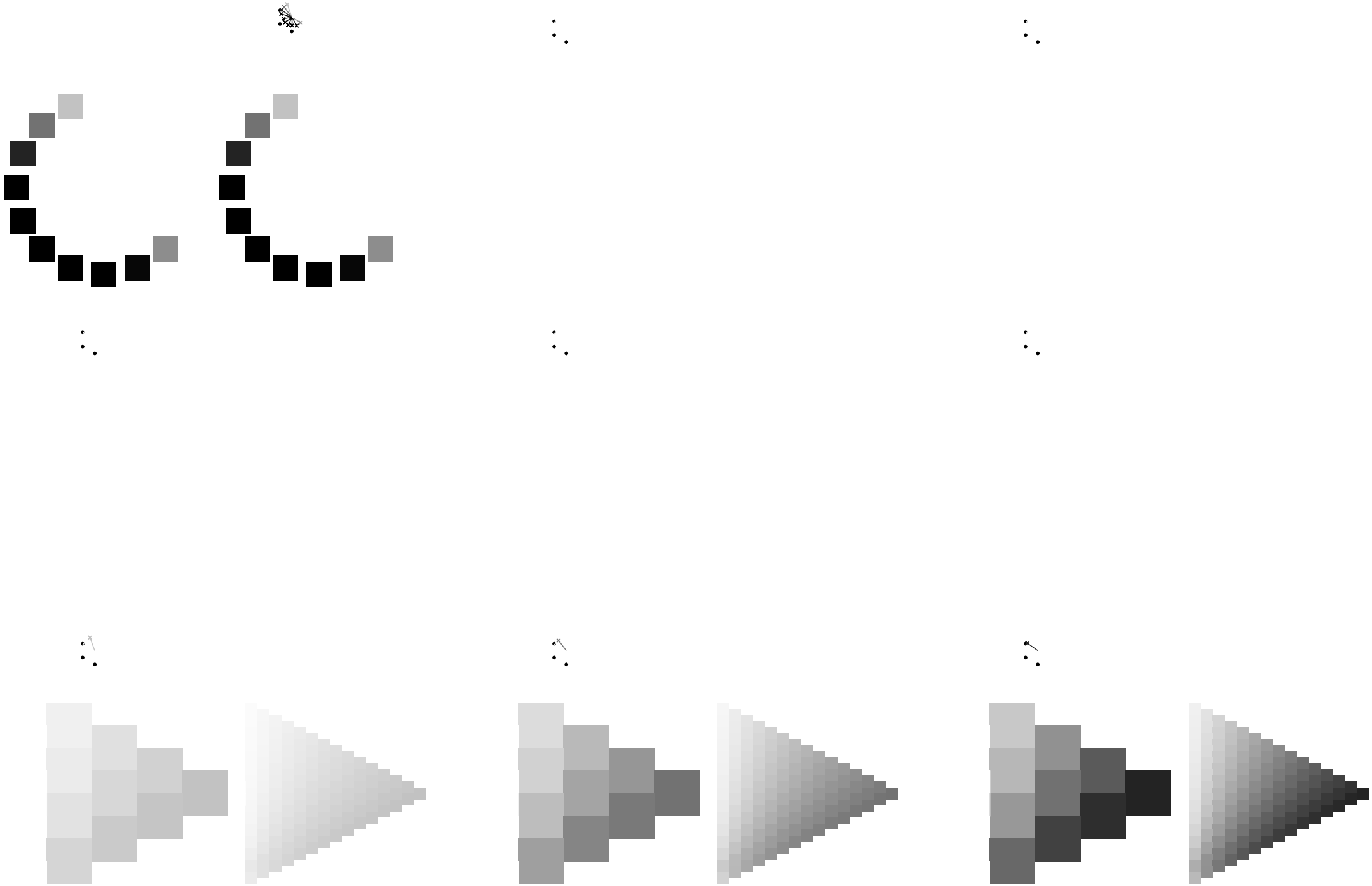
Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 59 −58 41 $LAB^*LCH^*_{Ma}$: 59 71 144 $lab^*rgb^*_{Ma}$: 0.25 1.0 0.0 $lab^*olv^*_{Ma}$: 0.14 1.0 0.0

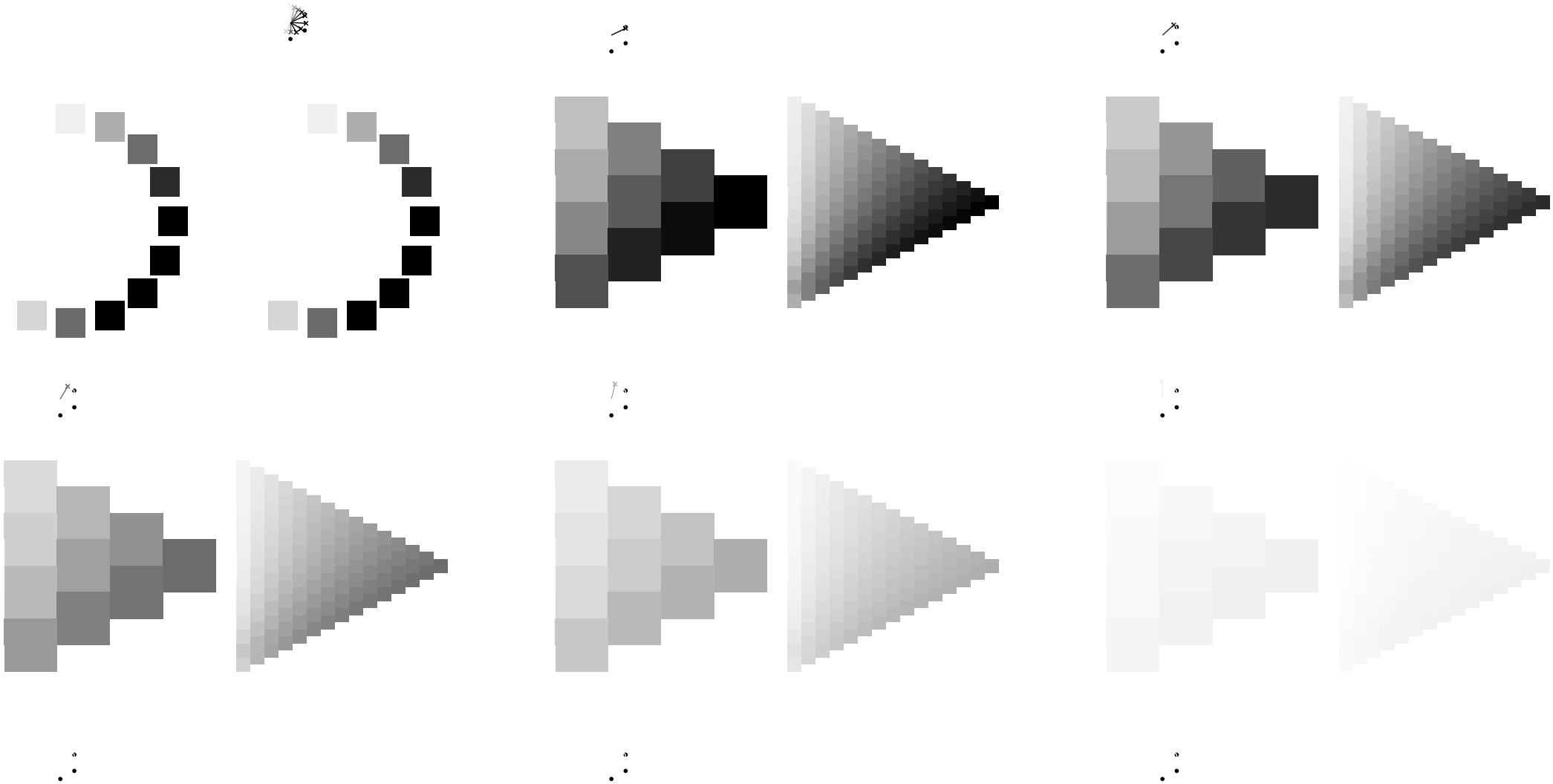
%Gamut $u^*_{gmt} = 87$ %Regularity $g^*_{Reg} = 67$ $g^*_{Crel} = 59$

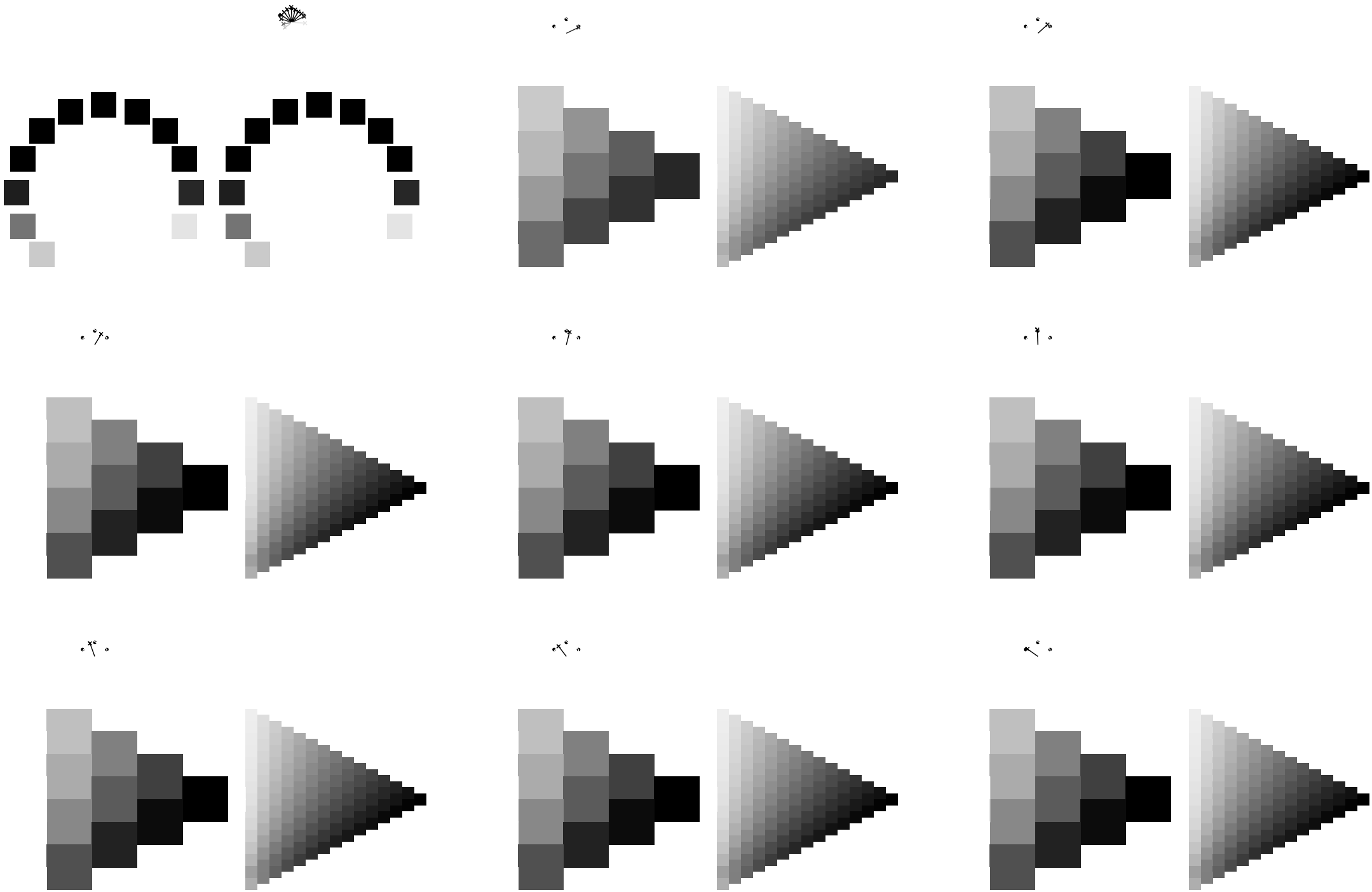
brilliantness i^*

relative chroma c^*

ORS20_95a: adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_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	
R_{Ma}	39.92	58.74	27.99	65.07	25	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	30.57	1.41	−46.47	46.49	272	
r00j	47.06	67.41	32.12	74.67	25	m84o
r25j	53.95	53.38	48.38	72.04	42	o17y
r50j	63.6	35.87	59.45	69.43	59	o42y
r75j	73.37	18.14	70.66	72.95	76	o68y
j00g	85.24	−3.4	84.28	84.35	92	o93y
j25g	78.53	−25.99	72.23	76.76	110	y24l
j50g	68.25	−42.61	56.0	70.37	127	y55l
j75g	58.73	−57.99	40.99	71.02	145	y85l
g00b	55.66	−58.35	18.71	61.27	162	l12c
g25b	58.18	−46.2	−7.82	46.86	190	l45c
g50b	60.08	−37.02	−27.87	46.34	217	l78c
g75b	55.21	−20.63	−42.98	47.67	244	c16o
b00r	41.38	1.37	−45.05	45.07	272	c50o
b25r	26.43	27.03	−46.5	53.78	300	v03m
b50r	36.22	48.22	−29.42	56.48	329	v54m
b75r	47.81	72.75	−3.76	72.85	357	m10o



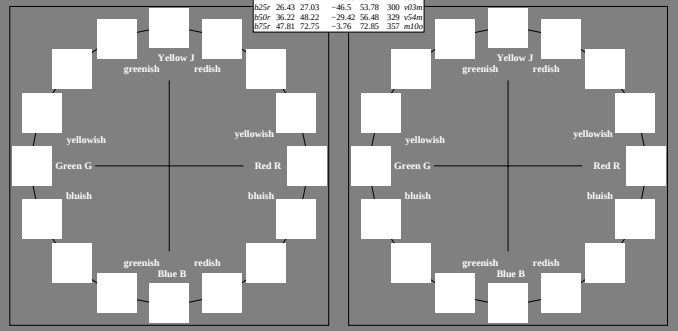




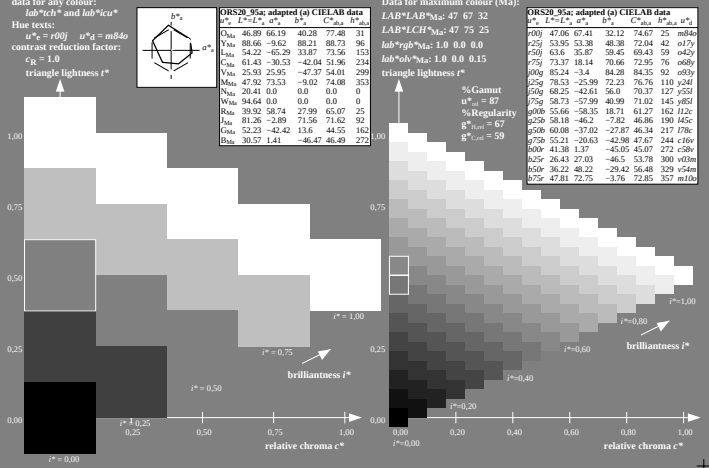
Input and output: Colorimetric Printer Reflective System ORS20_95a
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
ϵ_R = 1.0

ORS20_95a: adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a	
r00j	47.06	67.41	32.12	74.67	25	*m84o*	
r25j	53.95	53.38	48.38	72.04	42	*o17y*	
r50j	63.6	35.87	59.45	69.43	59	*o42y*	
r75j	73.37	18.14	70.66	72.95	76	*o68y*	
j00g	85.24	−3.4	84.28	84.35	92	*o93y*	
j25g	78.53	−25.99	72.23	76.76	110	*y24l*	
j50g	68.25	−42.61	56.0	70.37	127	*y55l*	
j75g	58.73	−57.99	40.99	71.02	145	*y85l*	
g00b	55.66	−58.35	18.71	61.27	162	*l12c*	
g25b	58.18	−46.2	−7.82	46.86	190	*l45c*	
g50b	60.08	−37.02	−27.87	46.34	217	*l78c*	
g75b	55.21	−20.63	−42.98	47.67	244	*c16v*	
b00r	41.38	1.37	−45.05	45.07	272	*c50v*	
b25r	26.43	27.03	−46.5	53.78	300	*v03m*	
b50r	36.22	48.22	−29.42	56.48	329	*v54m*	
b75r	47.81	72.75	−3.76	72.85	357	*m10o*	

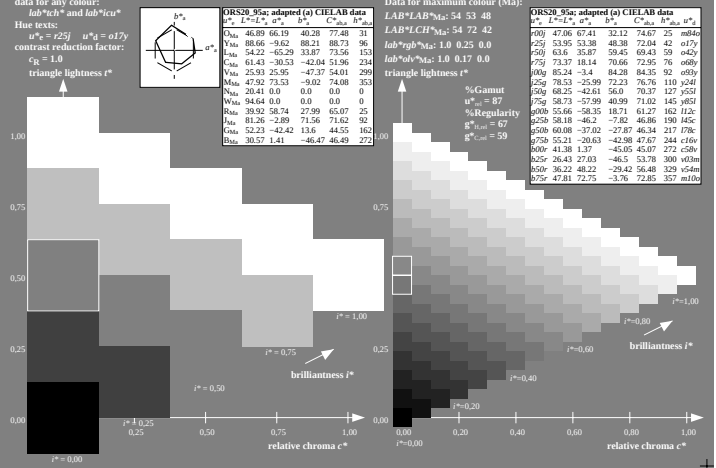
ORS20_95a: adapted (a) CIELAB data							
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$		
O_{Mu}	46.89	66.19	40.28	77.48	31		
Y_{Mu}	88.66	−9.62	88.21	88.73	96		
L_{Mu}	54.22	−65.29	33.87	73.56	153		
C_{Mu}	61.43	−30.53	−42.04	51.96	234		
V_{Mu}	25.93	25.95	−47.37	54.01	299		
M_{Mu}	47.92	73.53	−9.02	74.08	353		
N_{Mu}	20.41	0.0	0.0	0.0	0		
W_{Mu}	94.64	0.0	0.0	0.0	0		
R_{CIE}	39.92	58.74	27.99	65.07	25		
J_{CIE}	81.26	−2.89	71.56	71.62	92		
G_{CIE}	52.23	−42.42	13.6	44.55	162		
B_{CIE}	30.57	1.41	−46.47	46.49	272		



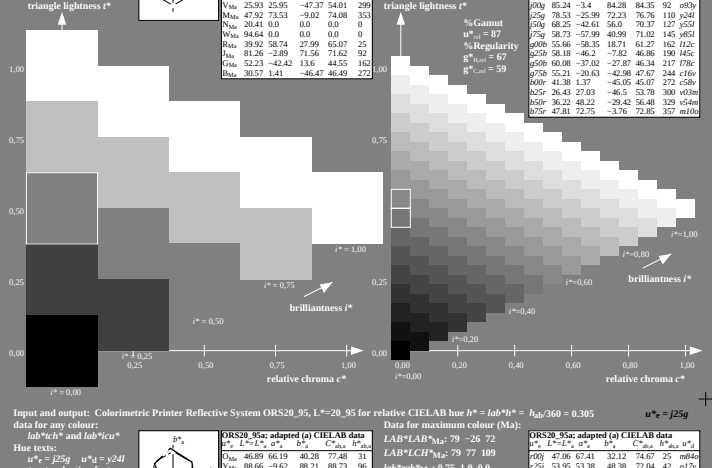
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.071$ u^*_e = *r00j*
data for any colour: *lab*c*h** and *lab*c*u**
Hue texts: u^*_e = *r00j* u^*_d = *m84o*
contrast reduction factor: ϵ_R = 1.0
Data for maximum colour (Ma): *LAB*LAB**$_{Ma}$: 47 67 32 *LAB*LCH**$_{Ma}$: 47 75 25 *lab*rgb**$_{Ma}$: 1.0 0.0 0.0 *lab*olv**$_{Ma}$: 1.0 0.0 0.15



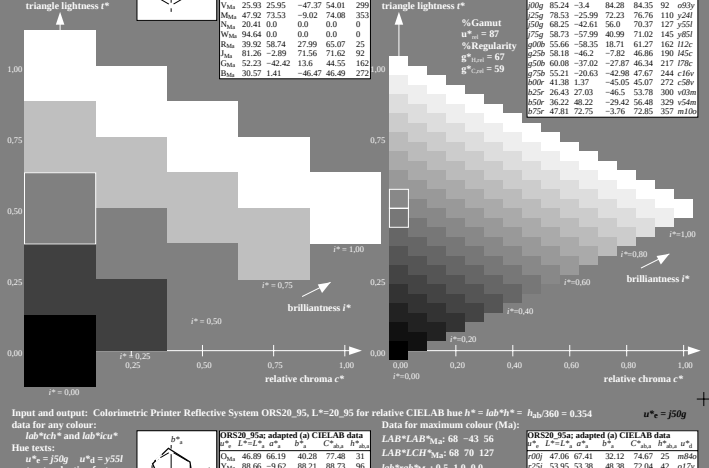
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.117$ u^*_e = *r25j*
data for any colour: *lab*c*h** and *lab*c*u**
Hue texts: u^*_e = *r25j* u^*_d = *o17y*
contrast reduction factor: ϵ_R = 1.0
Data for maximum colour (Ma): *LAB*LAB**$_{Ma}$: 54 53 48 *LAB*LCH**$_{Ma}$: 54 72 42 *lab*rgb**$_{Ma}$: 1.0 0.25 0.0 *lab*olv**$_{Ma}$: 1.0 0.17 0.0



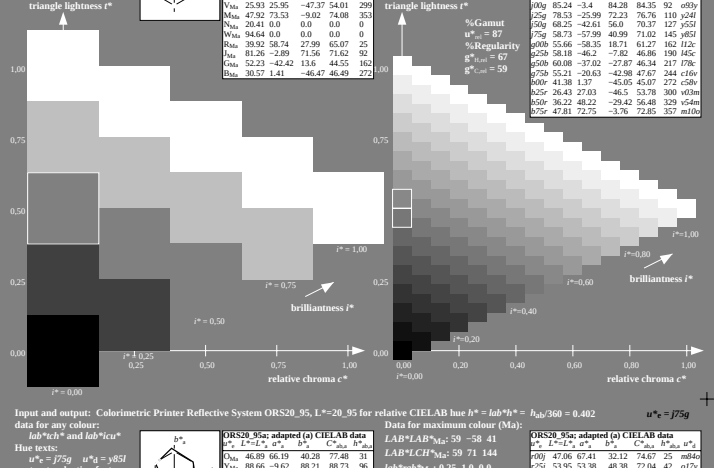
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.164$ u^*_e = *r50j*
data for any colour: *lab*c*h** and *lab*c*u**
Hue texts: u^*_e = *r50j* u^*_d = *o42y*
contrast reduction factor: ϵ_R = 1.0
Data for maximum colour (Ma): *LAB*LAB**$_{Ma}$: 64 36 59 *LAB*LCH**$_{Ma}$: 64 69 58 *lab*rgb**$_{Ma}$: 1.0 0.5 0.0 *lab*olv**$_{Ma}$: 1.0 0.42 0.0



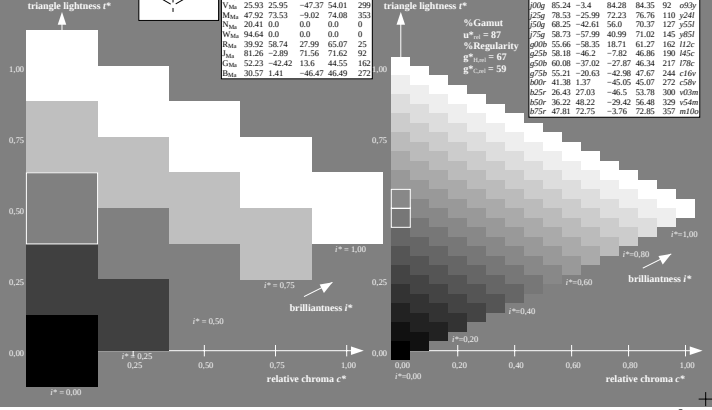
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.21$ u^*_e = *r75j*
data for any colour: *lab*c*h** and *lab*c*u**
Hue texts: u^*_e = *r75j* u^*_d = *o68y*
contrast reduction factor: ϵ_R = 1.0
Data for maximum colour (Ma): *LAB*LAB**$_{Ma}$: 73 18 71 *LAB*LCH**$_{Ma}$: 73 73 75 *lab*rgb**$_{Ma}$: 1.0 0.75 0.0 *lab*olv**$_{Ma}$: 1.0 0.68 0.0



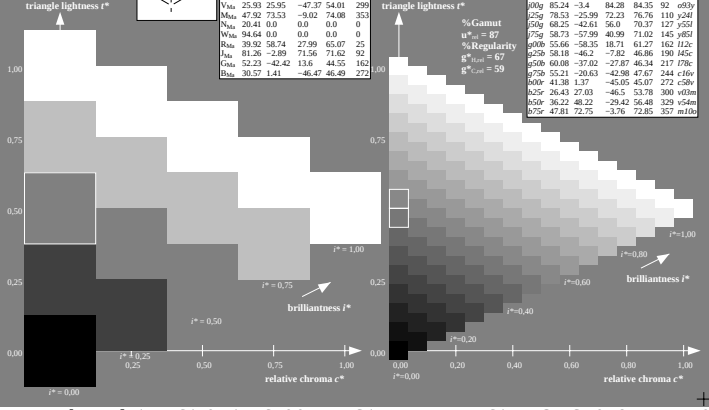
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.256$ u^*_e = *j00g*
data for any colour: *lab*c*h** and *lab*c*u**
Hue texts: u^*_e = *j00g* u^*_d = *o93y*
contrast reduction factor: ϵ_R = 1.0
Data for maximum colour (Ma): *LAB*LAB**$_{Ma}$: 85 −3 84 *LAB*LCH**$_{Ma}$: 85 84 92 *lab*rgb**$_{Ma}$: 1.0 1.0 0.0 *lab*olv**$_{Ma}$: 1.0 0.94 0.0



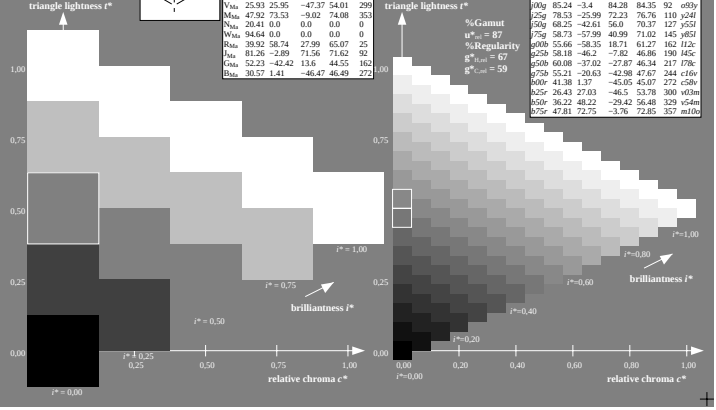
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.305$ u^*_e = *j25g*
data for any colour: *lab*c*h** and *lab*c*u**
Hue texts: u^*_e = *j25g* u^*_d = *y24l*
contrast reduction factor: ϵ_R = 1.0
Data for maximum colour (Ma): *LAB*LAB**$_{Ma}$: 79 −26 72 *LAB*LCH**$_{Ma}$: 79 77 109 *lab*rgb**$_{Ma}$: 0.75 1.0 0.0 *lab*olv**$_{Ma}$: 0.76 1.0 0.0



Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.354$ u^*_e = *j50g*
data for any colour: *lab*c*h** and *lab*c*u**
Hue texts: u^*_e = *j50g* u^*_d = *y55l*
contrast reduction factor: ϵ_R = 1.0
Data for maximum colour (Ma): *LAB*LAB**$_{Ma}$: 68 −43 56 *LAB*LCH**$_{Ma}$: 68 70 127 *lab*rgb**$_{Ma}$: 0.5 1.0 0.0 *lab*olv**$_{Ma}$: 0.45 1.0 0.0



Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.402$ u^*_e = *j75g*
data for any colour: *lab*c*h** and *lab*c*u**
Hue texts: u^*_e = *j75g* u^*_d = *y85l*
contrast reduction factor: ϵ_R = 1.0
Data for maximum colour (Ma): *LAB*LAB**$_{Ma}$: 59 −58 41 *LAB*LCH**$_{Ma}$: 59 71 144 *lab*rgb**$_{Ma}$: 0.25 1.0 0.0 *lab*olv**$_{Ma}$: 0.14 1.0 0.0



Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.071$ $u^*_e = r00j$ lab^*olv^*

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.117$ $u^*_e = r25j$ lab^*olv^*

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.164$ $u^*_e = r50j$ lab^*olv^*

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.21$ $u^*_e = r75j$ lab^*olv^*

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.256$ $u^*_e = j00g$ lab^*olv^*

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.305$ $u^*_e = j25g$ lab^*olv^*

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.354$ $u^*_e = j50g$ lab^*olv^*

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.402$ $u^*_e = j75g$ lab^*olv^*

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.071$ $u^*_e = r00j$ lab^*rgb^*

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.117$ $u^*_e = r25j$ lab^*rgb^*

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.164$ $u^*_e = r50j$ lab^*rgb^*

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.21$ $u^*_e = r75j$ lab^*rgb^*

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.256$ $u^*_e = j00g$ lab^*rgb^*

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.305$ $u^*_e = j25g$ lab^*rgb^*

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.354$ $u^*_e = j50g$ lab^*rgb^*

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.402$ $u^*_e = j75g$ lab^*rgb^*

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.071$ — $u^*_e = r00j$ $LAB^*LAB^*_a$

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.117$ — $u^*_e = r25j$ $LAB^*LAB^*_a$

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.164$ — $u^*_e = r50j$ $LAB^*LAB^*_a$

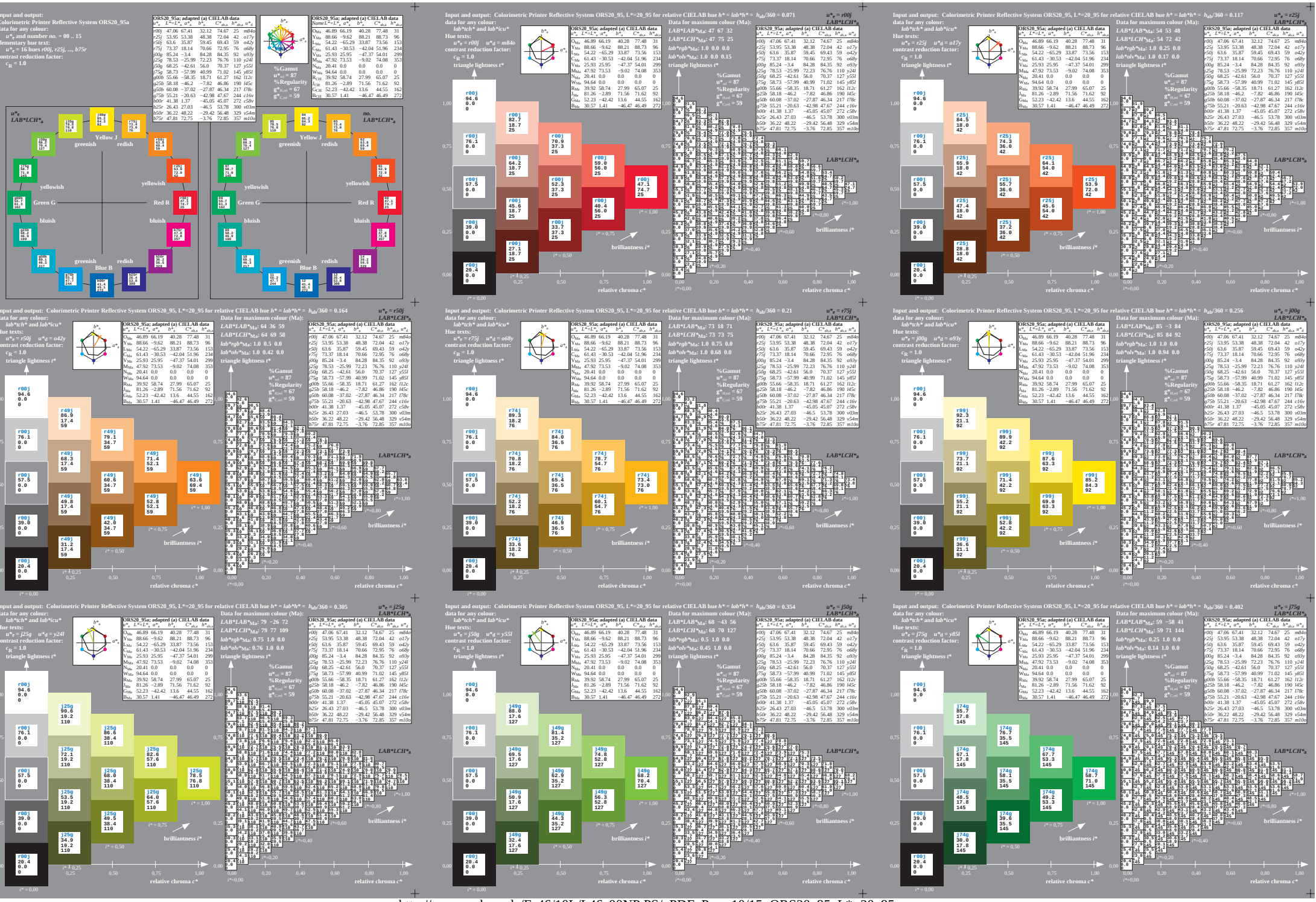
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.21$ — $u^*_e = r75j$ $LAB^*LAB^*_a$

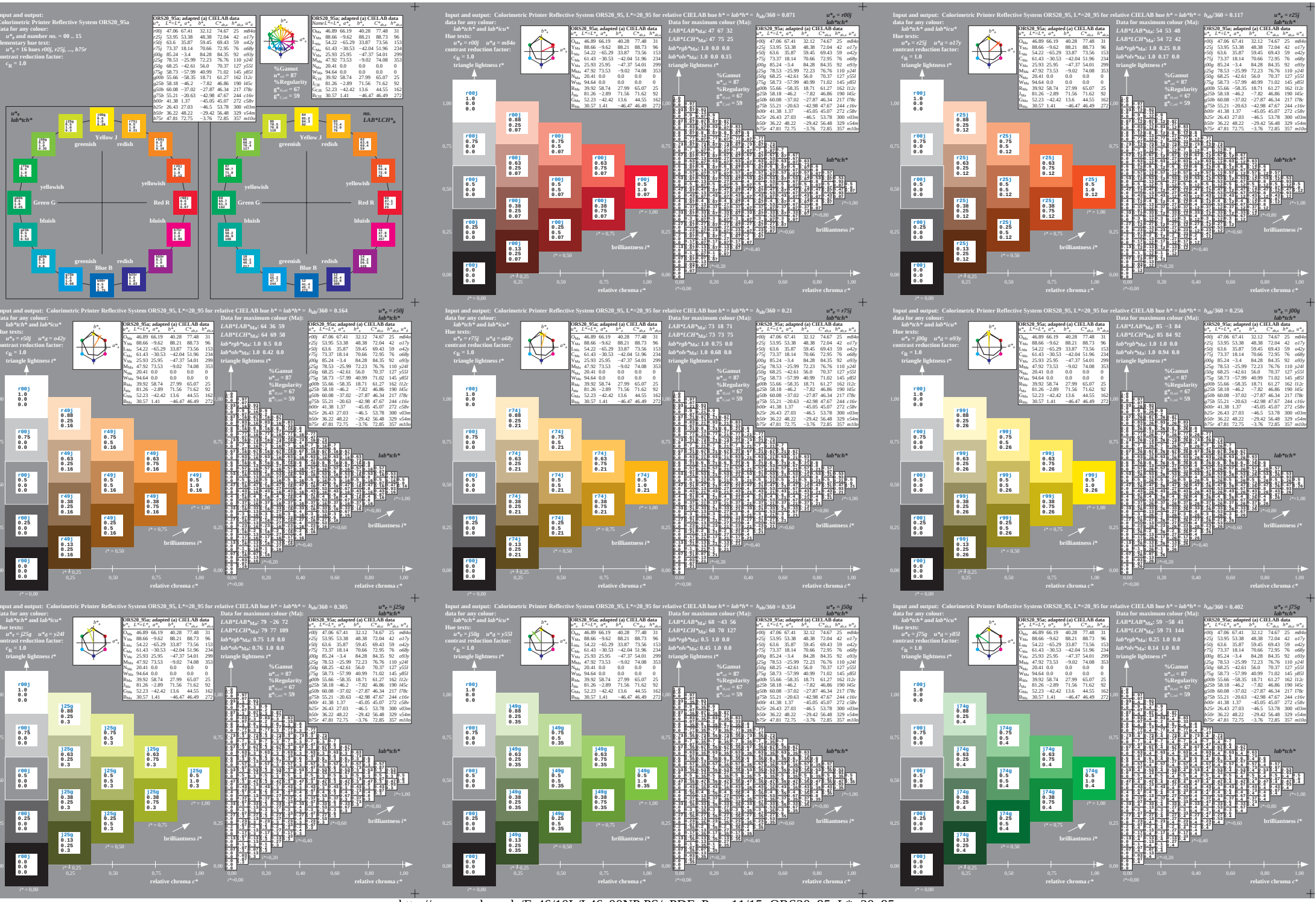
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.256$ — $u^*_e = j00g$ $LAB^*LAB^*_a$

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.305$ — $u^*_e = j25g$ $LAB^*LAB^*_a$

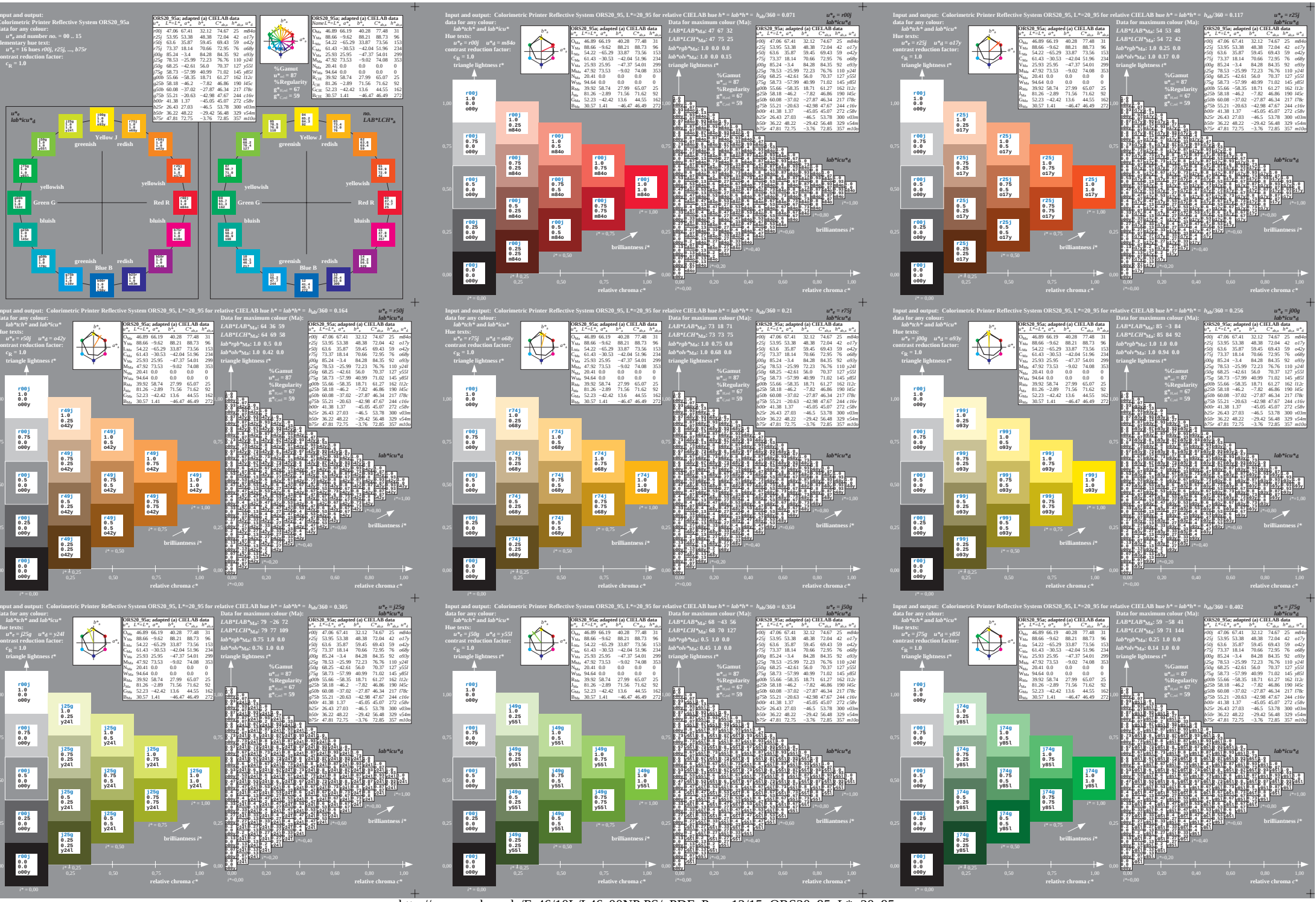
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.354$ — $u^*_e = j50g$ $LAB^*LAB^*_a$

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.402$ — $u^*_e = j75g$ $LAB^*LAB^*_a$


Input and output: Colorimetric Printer Reflective System ORS20_95a
data for any colour:
u*a and number no. = 00 .. 15
elementary hue text:
u*e = 16 hues r00j, r25j, ..., b75r
contrast reduction factor:
cR = 1.0
ORS20_95a: adapted (a) CIELAB data
ORS20_95a: adapted (a) CIELAB data
%Gamut
%Regularity
LAB*LCH*a
no.
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.071
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.117
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.164
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.21
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.256
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.305
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.354
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.402
data for any colour:
lab*h* and lab*cu*
Hue texts:
contrast reduction factor:
cR = 1.0
triangle lightness i*
brilliantness i*
relative chroma c*



http://www.ps.bam.de/Fe46/10L/L46e00NP.PS/ .PDF, Page 11/15; ORS20_95, L*=20_95


Input and output: Colorimetric Printer Reflective System ORS20_95a
data for any colour:
u*e and number no. = 00 .. 15
elementary hue text:
u*e = 16 hues r00j, r25j, ..., b75r
contrast reduction factor:
cR = 1.0
ORS20_95a: adapted (a) CIELAB data
%Gamut u*ref = 87
%Regularity g*Rref = 67
g*Cref = 59
no. LAB*LCH*a
Yellow J
greenish
redish
yellowish
Green G
Red R
bluish
Blue B
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.071
u*e = r00j
lab*h* and lab*icu*
Hue texts:
u*e = r00j u*d = m84o
contrast reduction factor:
cR = 1.0
triangle lightness i*
Data for maximum colour (Ma):
LAB*LAB*Ma: 47 67 32
LAB*LCH*Ma: 47 75 25
lab*rgb*Ma: 1.0 0.0 0.0
lab*olv*Ma: 1.0 0.0 0.15
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.117
u*e = r25j
LAB*LAB*Ma: 54 53 48
LAB*LCH*Ma: 54 72 42
lab*rgb*Ma: 1.0 0.25 0.0
lab*olv*Ma: 1.0 0.17 0.0
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.164
u*e = r50j
lab*h* and lab*icu*
Hue texts:
u*e = r50j u*d = o42y
contrast reduction factor:
cR = 1.0
triangle lightness i*
Data for maximum colour (Ma):
LAB*LAB*Ma: 64 36 59
LAB*LCH*Ma: 64 69 58
lab*rgb*Ma: 1.0 0.5 0.0
lab*olv*Ma: 1.0 0.42 0.0
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.21
u*e = r75j
lab*h* and lab*icu*
Hue texts:
u*e = r75j u*d = o68y
contrast reduction factor:
cR = 1.0
triangle lightness i*
Data for maximum colour (Ma):
LAB*LAB*Ma: 73 18 71
LAB*LCH*Ma: 73 73 75
lab*rgb*Ma: 1.0 0.75 0.0
lab*olv*Ma: 1.0 0.68 0.0
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.256
u*e = j00g
lab*h* and lab*icu*
Hue texts:
u*e = j00g u*d = o93y
contrast reduction factor:
cR = 1.0
triangle lightness i*
Data for maximum colour (Ma):
LAB*LAB*Ma: 85 -3 84
LAB*LCH*Ma: 85 84 92
lab*rgb*Ma: 1.0 1.0 0.0
lab*olv*Ma: 1.0 0.94 0.0
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.305
u*e = j25g
lab*h* and lab*icu*
Hue texts:
u*e = j25g u*d = y24l
contrast reduction factor:
cR = 1.0
triangle lightness i*
Data for maximum colour (Ma):
LAB*LAB*Ma: 79 -26 72
LAB*LCH*Ma: 79 77 109
lab*rgb*Ma: 0.75 1.0 0.0
lab*olv*Ma: 0.76 1.0 0.0
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.354
u*e = j50g
lab*h* and lab*icu*
Hue texts:
u*e = j50g u*d = y55l
contrast reduction factor:
cR = 1.0
triangle lightness i*
Data for maximum colour (Ma):
LAB*LAB*Ma: 68 -43 56
LAB*LCH*Ma: 68 70 127
lab*rgb*Ma: 0.5 1.0 0.0
lab*olv*Ma: 0.45 1.0 0.0
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.402
u*e = j75g
lab*h* and lab*icu*
Hue texts:
u*e = j75g u*d = y85l
contrast reduction factor:
cR = 1.0
triangle lightness i*
Data for maximum colour (Ma):
LAB*LAB*Ma: 59 -58 41
LAB*LCH*Ma: 59 71 144
lab*rgb*Ma: 0.25 1.0 0.0
lab*olv*Ma: 0.14 1.0 0.0
relative chroma c*
brilliantness i*

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.071$

data for any colour: lab^*rgb^* and lab^*cu^* — $u^*_e = r00j$ LAB^*LAB^*

Hue texts: $u^*_e = r00j$ $u^*_d = m84o$

contrast reduction factor: $\varepsilon_R = 1.0$

triangle lightness i^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 47 67 32; $LAB^*LCH^*_{Ma}$: 47 75 25; $lab^*rgb^*_{Ma}$: 1.0 0.0 0.0; $lab^*olv^*_{Ma}$: 1.0 0.0 0.15

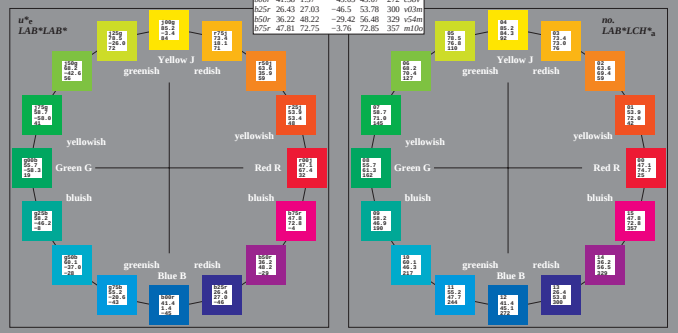
%Gamut $u^*_{gt,i}$ = 87; %Regularity $g^*_{R,i}$ = 67; $g^*_{C,i}$ = 59

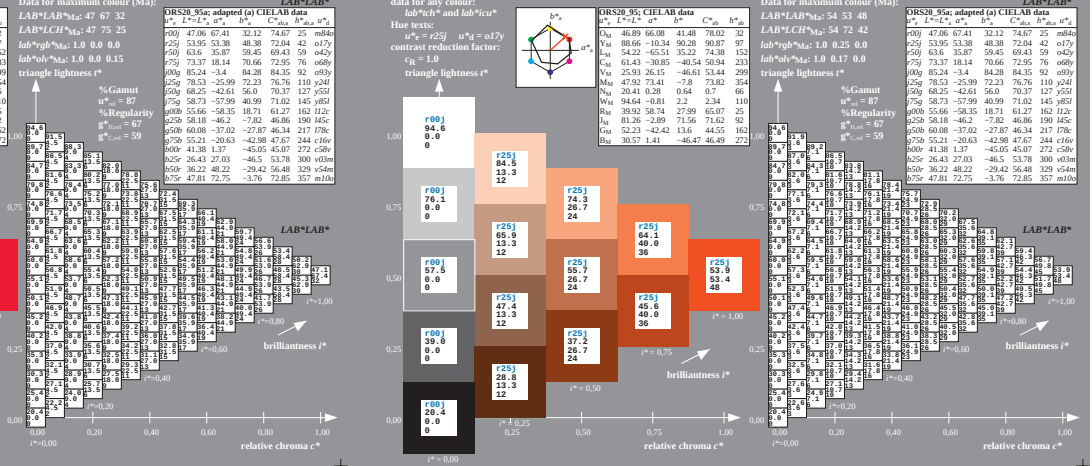
ORS20_95; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	46.89	66.08	41.48	78.02	32
Y_{Ma}	88.66	−10.34	90.28	90.87	97
L_{Ma}	54.22	−65.51	35.22	74.38	152
C_{Ma}	61.43	−30.85	−40.54	50.94	233
V_{Ma}	25.93	26.15	−46.61	53.44	299
M_{Ma}	47.92	73.41	−7.8	73.82	354
N_{Ma}	20.41	0.28	0.64	0.7	66
W_{Ma}	94.64	−0.81	2.2	2.34	110
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
D_{Ma}	30.57	1.41	−46.47	46.49	272

ORS20_95; adapted (a) CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	47.06	67.41	32.12	74.67	25	m84o
r25j	53.95	53.38	48.38	72.04	42	o17y
r50j	63.6	35.87	59.45	69.43	59	o42y
r75j	73.37	18.14	70.66	72.95	76	o68y
g00j	85.24	−3.4	84.28	84.35	92	o93y
g25j	78.53	−25.99	72.23	76.76	110	y24l
g50j	68.25	−42.61	56.0	70.37	127	y55l
g75j	58.73	−57.99	40.99	71.02	145	y85l
g00b	55.66	−58.35	18.71	61.27	162	l12c
g25b	58.18	−46.2	−7.82	46.86	190	l45c
g50b	60.08	−37.02	−27.87	46.34	217	l78c
g75b	55.21	−20.63	−42.98	47.67	244	c16o
b00r	41.38	1.37	−45.05	45.07	272	c50r
b25r	26.43	27.03	−46.5	53.78	300	v03m
b50r	36.22	48.22	−29.42	56.48	329	v54m
b75r	47.81	72.75	−3.76	72.85	357	m10o





Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.117$

data for any colour: lab^*rgb^* and lab^*cu^* — $u^*_e = r25j$ LAB^*LAB^*

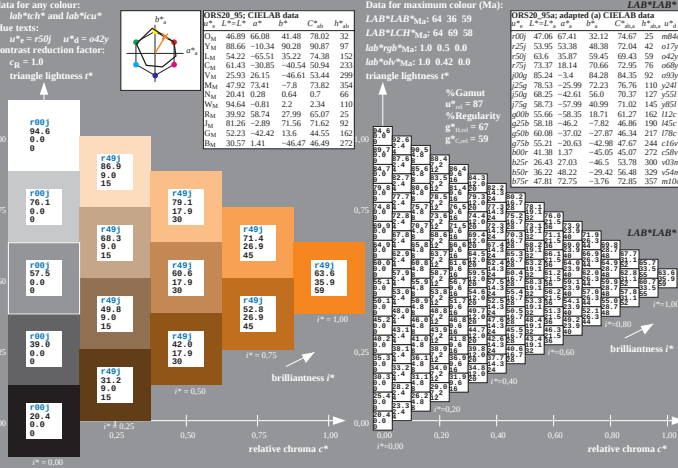
Hue texts: $u^*_e = r25j$ $u^*_d = o17y$

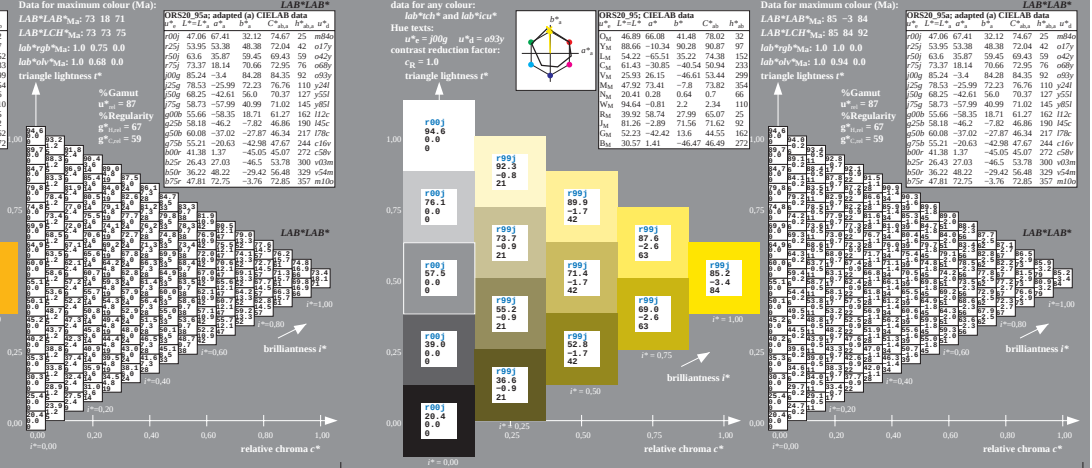
contrast reduction factor: $\varepsilon_R = 1.0$

triangle lightness i^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 54 53 48; $LAB^*LCH^*_{Ma}$: 54 72 42; $lab^*rgb^*_{Ma}$: 1.0 0.25 0.0; $lab^*olv^*_{Ma}$: 1.0 0.17 0.0

%Gamut $u^*_{gt,i}$ = 87; %Regularity $g^*_{R,i}$ = 67; $g^*_{C,i}$ = 59





Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.164$

data for any colour: lab^*rgb^* and lab^*cu^* — $u^*_e = r50j$ LAB^*LAB^*

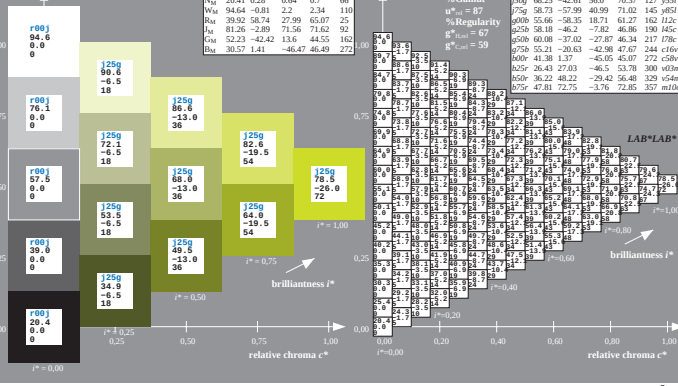
Hue texts: $u^*_e = r50j$ $u^*_d = o42y$

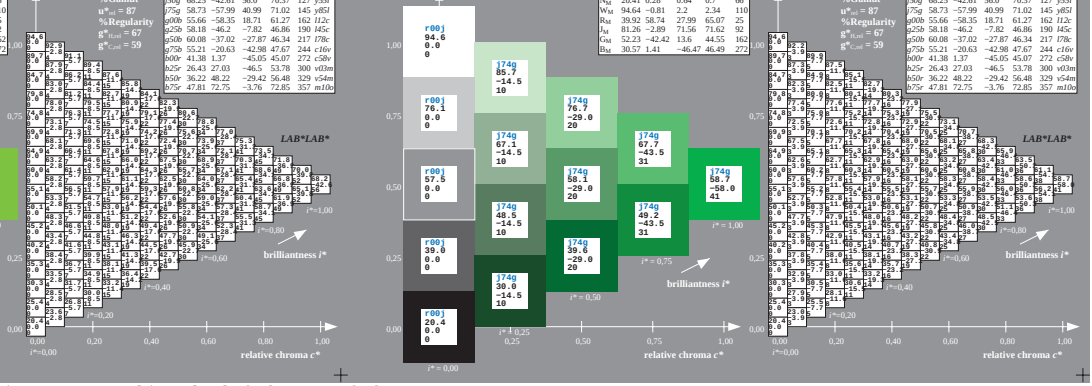
contrast reduction factor: $\varepsilon_R = 1.0$

triangle lightness i^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 64 36 59; $LAB^*LCH^*_{Ma}$: 64 69 58; $lab^*rgb^*_{Ma}$: 1.0 0.5 0.0; $lab^*olv^*_{Ma}$: 1.0 0.42 0.0

%Gamut $u^*_{gt,i}$ = 87; %Regularity $g^*_{R,i}$ = 67; $g^*_{C,i}$ = 59





Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.21$

data for any colour: lab^*rgb^* and lab^*cu^* — $u^*_e = r75j$ LAB^*LAB^*

Hue texts: $u^*_e = r75j$ $u^*_d = o68y$

contrast reduction factor: $\varepsilon_R = 1.0$

triangle lightness i^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 73 18 71; $LAB^*LCH^*_{Ma}$: 73 73 75; $lab^*rgb^*_{Ma}$: 1.0 0.75 0.0; $lab^*olv^*_{Ma}$: 1.0 0.68 0.0

%Gamut $u^*_{gt,i}$ = 87; %Regularity $g^*_{R,i}$ = 67; $g^*_{C,i}$ = 59

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.256$

data for any colour: lab^*rgb^* and lab^*cu^* — $u^*_e = j00g$ LAB^*LAB^*

Hue texts: $u^*_e = j00g$ $u^*_d = o93y$

contrast reduction factor: $\varepsilon_R = 1.0$

triangle lightness i^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 85 −3 84; $LAB^*LCH^*_{Ma}$: 85 84 92; $lab^*rgb^*_{Ma}$: 1.0 1.0 0.0; $lab^*olv^*_{Ma}$: 1.0 0.94 0.0

%Gamut $u^*_{gt,i}$ = 87; %Regularity $g^*_{R,i}$ = 67; $g^*_{C,i}$ = 59

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.305$

data for any colour: lab^*rgb^* and lab^*cu^* — $u^*_e = j25g$ LAB^*LAB^*

Hue texts: $u^*_e = j25g$ $u^*_d = y24l$

contrast reduction factor: $\varepsilon_R = 1.0$

triangle lightness i^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 79 −26 72; $LAB^*LCH^*_{Ma}$: 79 77 109; $lab^*rgb^*_{Ma}$: 0.75 1.0 0.0; $lab^*olv^*_{Ma}$: 0.76 1.0 0.0

%Gamut $u^*_{gt,i}$ = 87; %Regularity $g^*_{R,i}$ = 67; $g^*_{C,i}$ = 59

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.354$

data for any colour: lab^*rgb^* and lab^*cu^* — $u^*_e = j50g$ LAB^*LAB^*

Hue texts: $u^*_e = j50g$ $u^*_d = y55l$

contrast reduction factor: $\varepsilon_R = 1.0$

triangle lightness i^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 68 −43 56; $LAB^*LCH^*_{Ma}$: 68 70 127; $lab^*rgb^*_{Ma}$: 0.5 1.0 0.0; $lab^*olv^*_{Ma}$: 0.45 1.0 0.0

%Gamut $u^*_{gt,i}$ = 87; %Regularity $g^*_{R,i}$ = 67; $g^*_{C,i}$ = 59

Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.402$

data for any colour: lab^*rgb^* and lab^*cu^* — $u^*_e = j75g$ LAB^*LAB^*

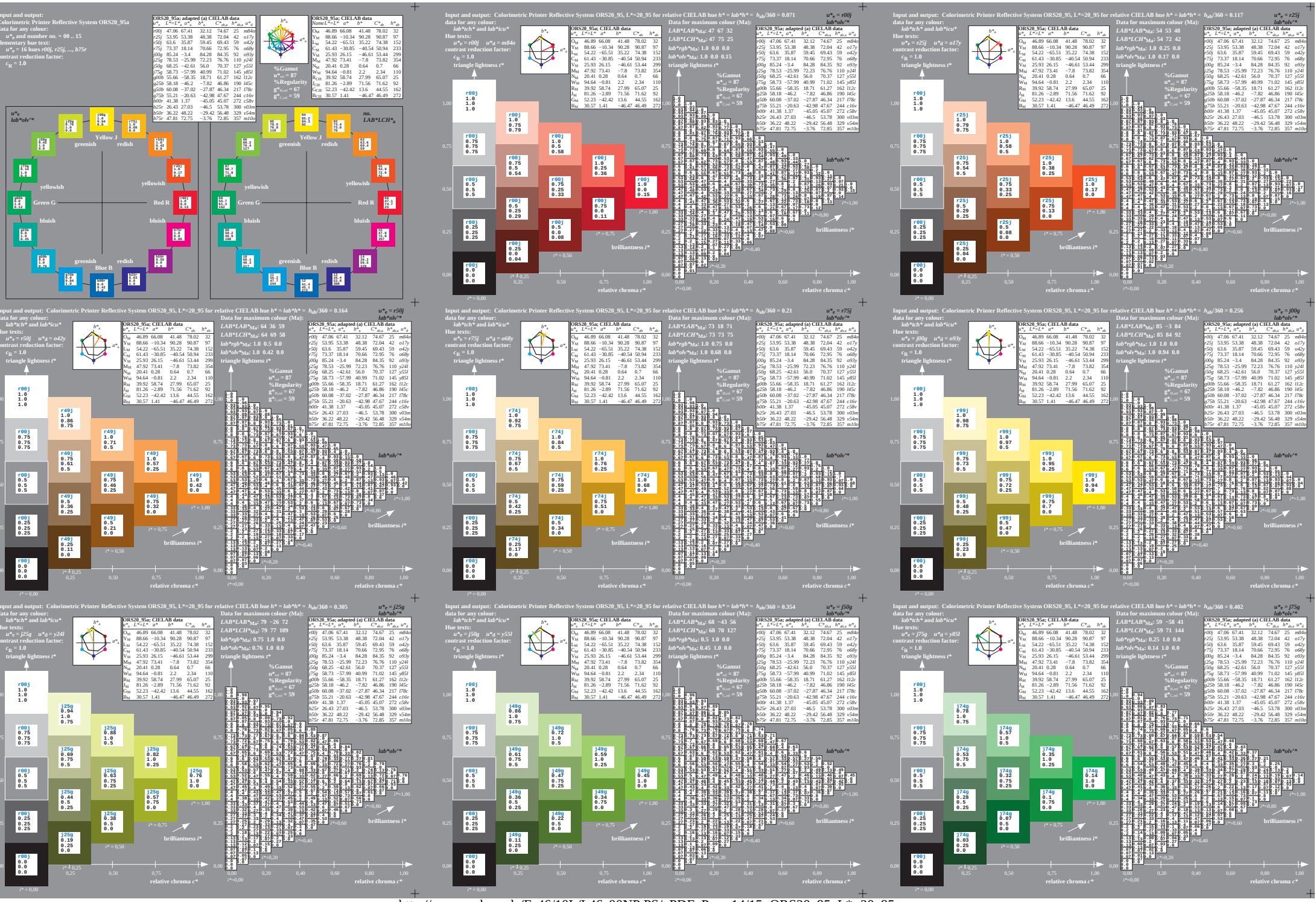
Hue texts: $u^*_e = j75g$ $u^*_d = y85l$

contrast reduction factor: $\varepsilon_R = 1.0$

triangle lightness i^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 59 −58 41; $LAB^*LCH^*_{Ma}$: 59 71 144; $lab^*rgb^*_{Ma}$: 0.25 1.0 0.0; $lab^*olv^*_{Ma}$: 0.14 1.0 0.0

%Gamut $u^*_{gt,i}$ = 87; %Regularity $g^*_{R,i}$ = 67; $g^*_{C,i}$ = 59


Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hLab/360 = 0.071
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hLab/360 = 0.117
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hLab/360 = 0.164
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hLab/360 = 0.21
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hLab/360 = 0.256
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hLab/360 = 0.305
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hLab/360 = 0.354
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hLab/360 = 0.402
ORS20_95a; adapted (a) CIELAB data
ORS20_95a; CIELAB data
relative chroma c*
brilliantness i*
lab*olv'*

Input and output: Colorimetric Printer Reflective System ORS20_95a
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
ε_R = 1.0

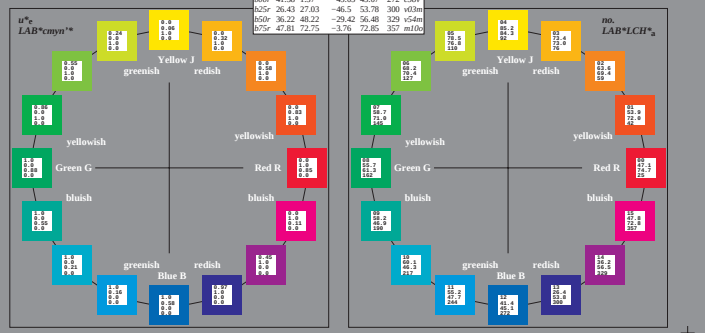
ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	u^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a	
r00j	47.06	67.41	32.12	74.67	25	*m84o*	
r25j	53.95	53.38	48.38	72.04	42	*o17y*	
r50j	63.6	35.87	59.45	69.43	59	*o42y*	
r75j	73.37	18.14	70.66	72.95	76	*o68y*	
y00g	85.24	−3.4	84.28	84.35	92	*o93y*	
y25g	78.53	−25.99	72.23	76.76	110	*y24l*	
y50g	68.25	−42.61	56.0	70.37	127	*y55l*	
y75g	58.73	−57.99	40.99	71.02	145	*y85l*	
g00b	55.66	−58.35	18.71	61.27	162	*l12c*	
g25b	58.18	−46.2	−7.82	46.86	190	*l45c*	
g50b	60.08	−37.02	−27.87	46.34	217	*l78c*	
g75b	55.21	−20.63	−42.98	47.67	244	*c16o*	
b00r	41.38	1.37	−45.05	45.07	272	*c50r*	
b25r	26.43	27.03	−46.5	53.78	300	*v03m*	
b50r	36.22	48.22	−29.42	56.48	329	*v54m*	
b75r	47.81	72.75	−3.76	72.85	357	*m10o*	

ORS20_95a; CIELAB data

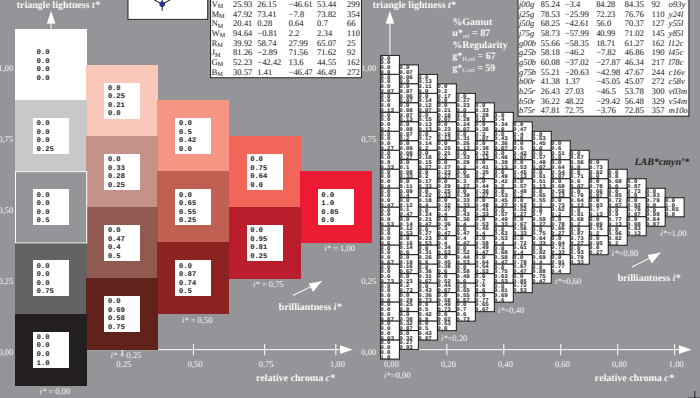
Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{M}	46.89	66.08	41.48	78.02	32
Y_{M}	88.66	−10.34	90.28	90.87	97
L_{M}	54.22	−65.51	35.22	74.38	152
C_{M}	61.43	−30.85	−40.54	50.94	233
V_{M}	25.93	26.15	−46.61	53.44	299
M_{M}	47.92	73.41	−7.8	73.82	354
N_{M}	20.41	0.28	0.64	0.7	66
W_{M}	94.64	−0.81	2.2	2.34	110
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272

%Gamut u^*_{gam} = 87
%Regularity $g^*_{R,ref}$ = 67
$g^*_{C,ref}$ = 59



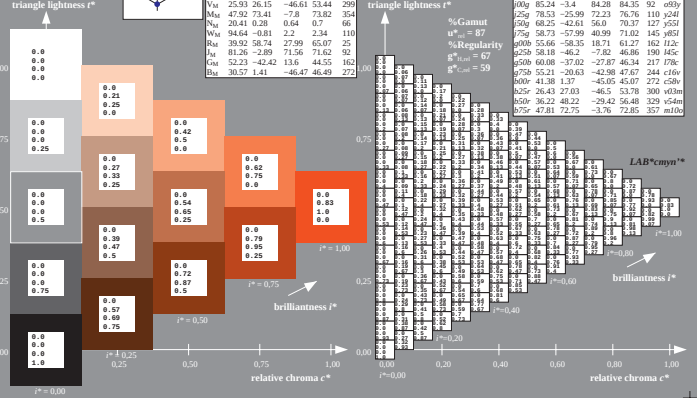
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.071$ — u^*_e = *r00j*
data for any colour: *lab*ch** and *lab*cu**
Hue texts: u^*_e = *r00j* u^*_d = *m84o*
contrast reduction factor: ε_R = 1.0
triangle lightness *l**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 47 67 32
*LAB*LCH**$_{Ma}$: 47 75 25
*lab*rgb**$_{Ma}$: 1.0 0.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.0 0.15



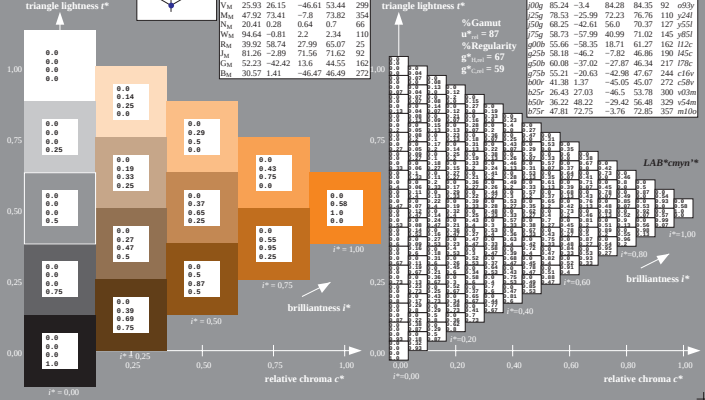
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.117$ — u^*_e = *r25j*
data for any colour: *lab*ch** and *lab*cu**
Hue texts: u^*_e = *r25j* u^*_d = *o17y*
contrast reduction factor: ε_R = 1.0
triangle lightness *l**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 54 53 48
*LAB*LCH**$_{Ma}$: 54 72 42
*lab*rgb**$_{Ma}$: 1.0 0.25 0.0
*lab*olv**$_{Ma}$: 1.0 0.17 0.0



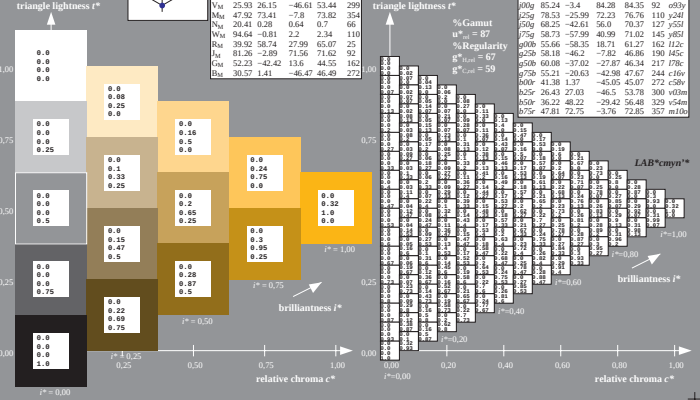
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.164$ — u^*_e = *r50j*
data for any colour: *lab*ch** and *lab*cu**
Hue texts: u^*_e = *r50j* u^*_d = *o42y*
contrast reduction factor: ε_R = 1.0
triangle lightness *l**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 64 36 59
*LAB*LCH**$_{Ma}$: 64 69 58
*lab*rgb**$_{Ma}$: 1.0 0.5 0.0
*lab*olv**$_{Ma}$: 1.0 0.42 0.0



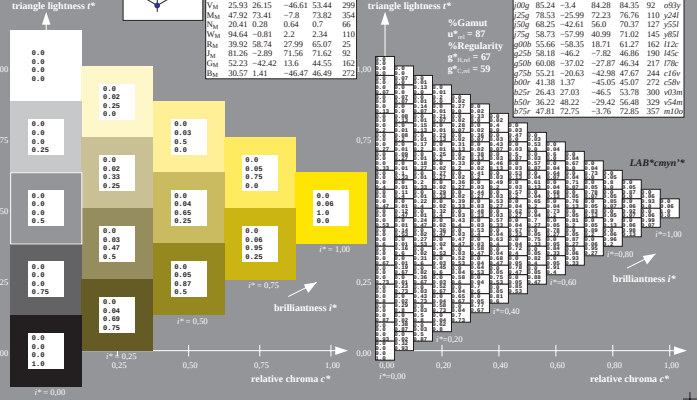
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.21$ — u^*_e = *r75j*
data for any colour: *lab*ch** and *lab*cu**
Hue texts: u^*_e = *r75j* u^*_d = *o68y*
contrast reduction factor: ε_R = 1.0
triangle lightness *l**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 73 18 71
*LAB*LCH**$_{Ma}$: 73 73 75
*lab*rgb**$_{Ma}$: 1.0 0.75 0.0
*lab*olv**$_{Ma}$: 1.0 0.68 0.0



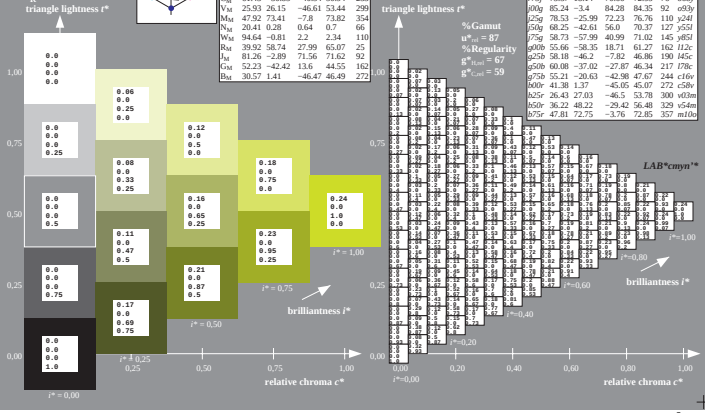
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.256$ — u^*_e = *j00g*
data for any colour: *lab*ch** and *lab*cu**
Hue texts: u^*_e = *j00g* u^*_d = *o93y*
contrast reduction factor: ε_R = 1.0
triangle lightness *l**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 85 −3 84
*LAB*LCH**$_{Ma}$: 85 84 92
*lab*rgb**$_{Ma}$: 1.0 1.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.94 0.0



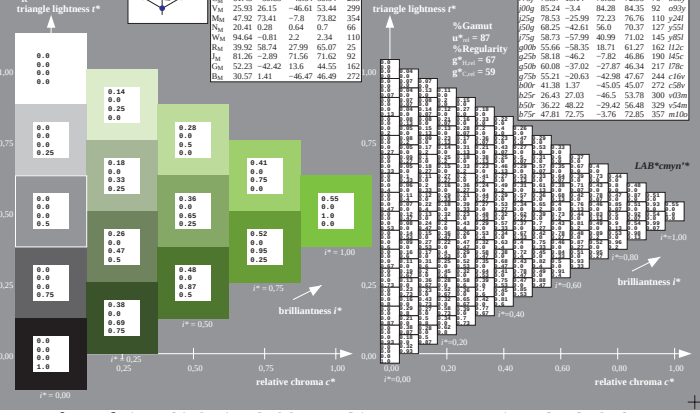
Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.305$ — u^*_e = *j25g*
data for any colour: *lab*ch** and *lab*cu**
Hue texts: u^*_e = *j25g* u^*_d = *y24l*
contrast reduction factor: ε_R = 1.0
triangle lightness *l**

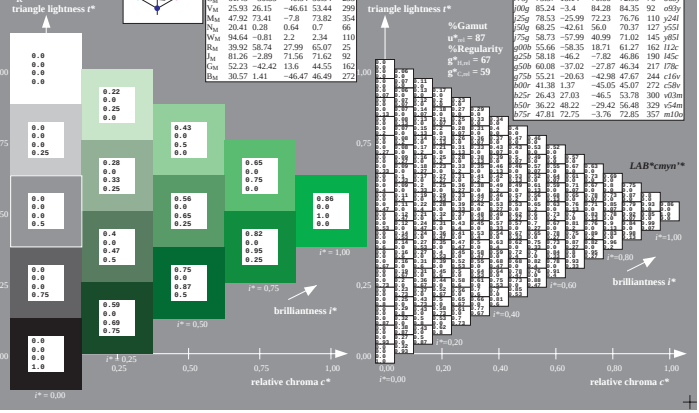
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 79 −26 72
*LAB*LCH**$_{Ma}$: 79 77 109
*lab*rgb**$_{Ma}$: 0.75 1.0 0.0
*lab*olv**$_{Ma}$: 0.76 1.0 0.0



Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.354$ — u^*_e = *j50g*
data for any colour: *lab*ch** and *lab*cu**
Hue texts: u^*_e = *j50g* u^*_d = *y55l*
contrast reduction factor: ε_R = 1.0
triangle lightness *l**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 68 −43 56
*LAB*LCH**$_{Ma}$: 68 70 127
*lab*rgb**$_{Ma}$: 0.5 1.0 0.0
*lab*olv**$_{Ma}$: 0.45 1.0 0.0



Input and output: Colorimetric Printer Reflective System ORS20_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.402$ — u^*_e = *j75g*
data for any colour: *lab*ch** and *lab*cu**
Hue texts: u^*_e = *j75g* u^*_d = *y85l*
contrast reduction factor: ε_R = 1.0
triangle lightness *l**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 59 −58 41
*LAB*LCH**$_{Ma}$: 59 71 144
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.14 1.0 0.0