Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.419$ $u^*_d = l00c$

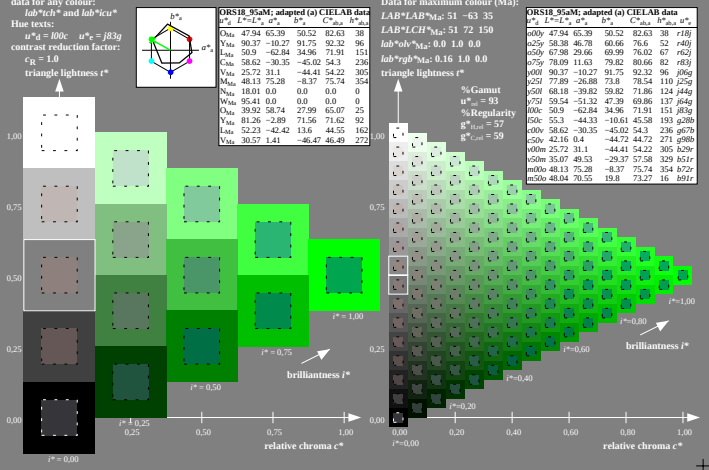
data for any colour: *lab*ich** and *lab*icu**
Hue texts: $u^*_d = l00c$ $u^*_e = j83g$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 51 −63 35
$LAB^*LCH^*_{Ma}$: 51 72 150
$lab^*olv^*_{Ma}$: 0.0 1.0 0.0
$lab^*rgb^*_{Ma}$: 0.16 1.0 0.0
triangle lightness t^*

%Gamut $u^*_{ext} = 93$
%Regularity $g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{abs}	h^*_{abs}	u^*_a
O_{Ma}	47.94	65.39	50.52	82.63	38	r16j
Y_{Ma}	90.37	−10.27	91.75	92.32	96	j06g
L_{Ma}	50.9	−62.84	34.96	71.91	151	j83g
C_{Ma}	58.62	−30.35	−45.02	54.3	236	b28r
M_{Ma}	25.72	31.1	−44.41	54.22	305	b51r
M_{Ma}	48.13	75.28	−8.37	75.74	354	b72r
N_{Ma}	18.01	0.0	0.0	0.0	0	
W_{Ma}	95.41	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	

ORS18_95aM; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{abs}	h^*_{abs}	u^*_a
o00y	47.94	65.39	50.52	82.63	38	r16j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00c	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29r
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.537$ $u^*_d = l50c$

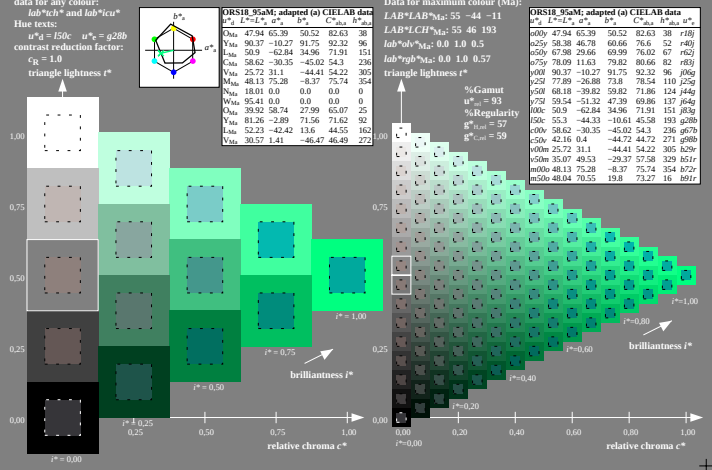
data for any colour: *lab*ich** and *lab*icu**
Hue texts: $u^*_d = l50c$ $u^*_e = g28b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 −44 −11
$LAB^*LCH^*_{Ma}$: 55 46 193
$lab^*olv^*_{Ma}$: 0.0 1.0 0.5
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.57
triangle lightness t^*

%Gamut $u^*_{ext} = 93$
%Regularity $g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{abs}	h^*_{abs}	u^*_a
O_{Ma}	47.94	65.39	50.52	82.63	38	r16j
Y_{Ma}	90.37	−10.27	91.75	92.32	96	j06g
L_{Ma}	50.9	−62.84	34.96	71.91	151	j83g
C_{Ma}	58.62	−30.35	−45.02	54.3	236	b28r
M_{Ma}	25.72	31.1	−44.41	54.22	305	b51r
M_{Ma}	48.13	75.28	−8.37	75.74	354	b72r
N_{Ma}	18.01	0.0	0.0	0.0	0	
W_{Ma}	95.41	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	

ORS18_95aM; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{abs}	h^*_{abs}	u^*_a
o00y	47.94	65.39	50.52	82.63	38	r16j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00c	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29r
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.656$ $u^*_d = c00v$

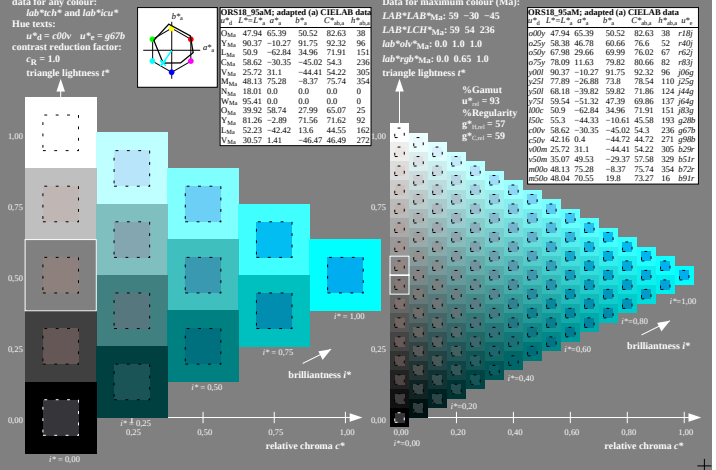
data for any colour: *lab*ich** and *lab*icu**
Hue texts: $u^*_d = c00v$ $u^*_e = g67b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 59 −30 −45
$LAB^*LCH^*_{Ma}$: 59 54 236
$lab^*olv^*_{Ma}$: 0.0 1.0 1.0
$lab^*rgb^*_{Ma}$: 0.0 0.65 1.0
triangle lightness t^*

%Gamut $u^*_{ext} = 93$
%Regularity $g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{abs}	h^*_{abs}	u^*_a
O_{Ma}	47.94	65.39	50.52	82.63	38	r16j
Y_{Ma}	90.37	−10.27	91.75	92.32	96	j06g
L_{Ma}	50.9	−62.84	34.96	71.91	151	j83g
C_{Ma}	58.62	−30.35	−45.02	54.3	236	b28r
M_{Ma}	25.72	31.1	−44.41	54.22	305	b51r
M_{Ma}	48.13	75.28	−8.37	75.74	354	b72r
N_{Ma}	18.01	0.0	0.0	0.0	0	
W_{Ma}	95.41	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	

ORS18_95aM; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{abs}	h^*_{abs}	u^*_a
o00y	47.94	65.39	50.52	82.63	38	r16j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00c	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29r
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.751$ $u^*_d = c50v$

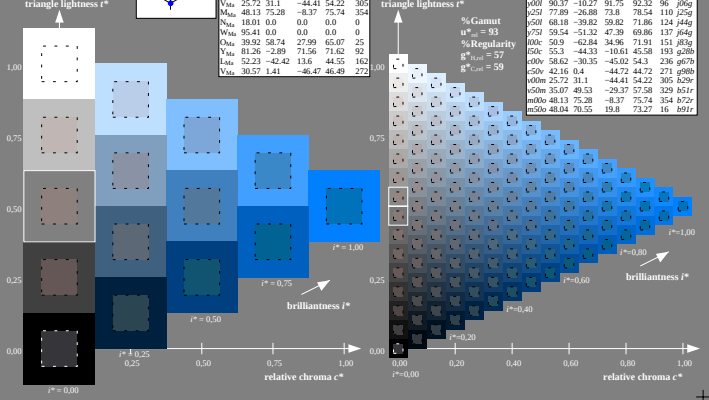
data for any colour: *lab*ich** and *lab*icu**
Hue texts: $u^*_d = c50v$ $u^*_e = g98b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 42 0 −45
$LAB^*LCH^*_{Ma}$: 42 45 270
$lab^*olv^*_{Ma}$: 0.0 0.5 1.0
$lab^*rgb^*_{Ma}$: 0.0 0.02 1.0
triangle lightness t^*

%Gamut $u^*_{ext} = 93$
%Regularity $g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{abs}	h^*_{abs}	u^*_a
O_{Ma}	47.94	65.39	50.52	82.63	38	r16j
Y_{Ma}	90.37	−10.27	91.75	92.32	96	j06g
L_{Ma}	50.9	−62.84	34.96	71.91	151	j83g
C_{Ma}	58.62	−30.35	−45.02	54.3	236	b28r
M_{Ma}	25.72	31.1	−44.41	54.22	305	b51r
M_{Ma}	48.13	75.28	−8.37	75.74	354	b72r
N_{Ma}	18.01	0.0	0.0	0.0	0	
W_{Ma}	95.41	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	

ORS18_95aM; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{abs}	h^*_{abs}	u^*_a
o00y	47.94	65.39	50.52	82.63	38	r16j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00c	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29r
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.847$ $u^*_d = v00m$

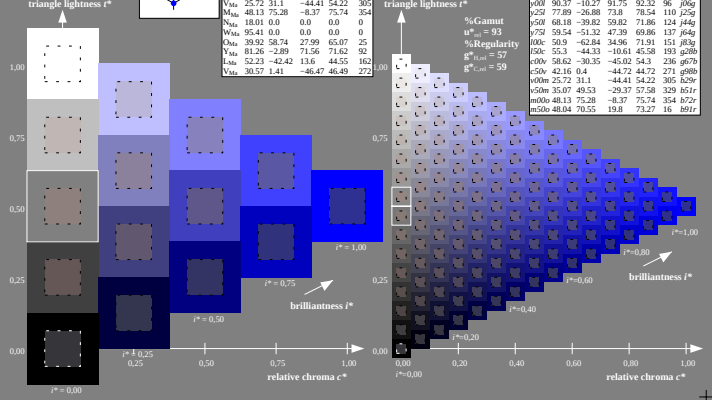
data for any colour: *lab*ich** and *lab*icu**
Hue texts: $u^*_d = v00m$ $u^*_e = b29r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 26 31 −44
$LAB^*LCH^*_{Ma}$: 26 54 305
$lab^*olv^*_{Ma}$: 0.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 0.58 0.0 1.0
triangle lightness t^*

%Gamut $u^*_{ext} = 93$
%Regularity $g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{abs}	h^*_{abs}	u^*_a
O_{Ma}	47.94	65.39	50.52	82.63	38	r16j
Y_{Ma}	90.37	−10.27	91.75	92.32	96	j06g
L_{Ma}	50.9	−62.84	34.96	71.91	151	j83g
C_{Ma}	58.62	−30.35	−45.02	54.3	236	b28r
M_{Ma}	25.72	31.1	−44.41	54.22	305	b51r
M_{Ma}	48.13	75.28	−8.37	75.74	354	b72r
N_{Ma}	18.01	0.0	0.0	0.0	0	
W_{Ma}	95.41	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	

ORS18_95aM; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{abs}	h^*_{abs}	u^*_a
o00y	47.94	65.39	50.52	82.63	38	r16j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00c	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29r
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.915$ $u^*_d = v50m$

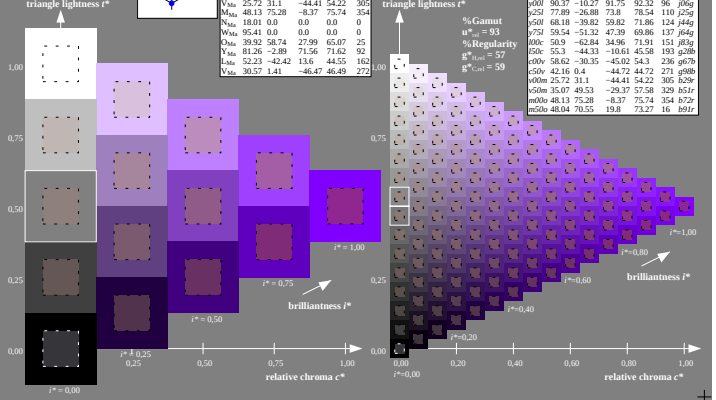
data for any colour: *lab*ich** and *lab*icu**
Hue texts: $u^*_d = v50m$ $u^*_e = b51r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 35 50 −29
$LAB^*LCH^*_{Ma}$: 35 58 329
$lab^*olv^*_{Ma}$: 0.5 0.0 1.0
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.99
triangle lightness t^*

%Gamut $u^*_{ext} = 93$
%Regularity $g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{abs}	h^*_{abs}	u^*_a
O_{Ma}	47.94	65.39	50.52	82.63	38	r16j
Y_{Ma}	90.37	−10.27	91.75	92.32	96	j06g
L_{Ma}	50.9	−62.84	34.96	71.91	151	j83g
C_{Ma}	58.62	−30.35	−45.02	54.3	236	b28r
M_{Ma}	25.72	31.1	−44.41	54.22	305	b51r
M_{Ma}	48.13	75.28	−8.37	75.74	354	b72r
N_{Ma}	18.01	0.0	0.0	0.0	0	
W_{Ma}	95.41	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	

ORS18_95aM; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{abs}	h^*_{abs}	u^*_a
o00y	47.94	65.39	50.52	82.63	38	r16j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00c	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29r
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.982$ $u^*_d = m00o$

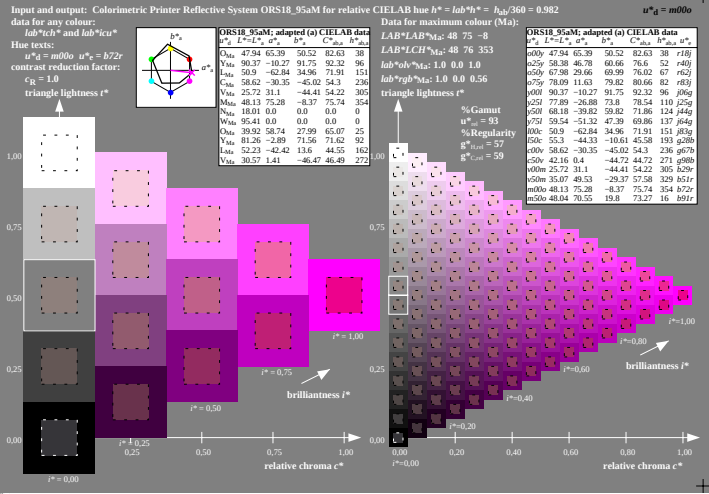
data for any colour: *lab*ich** and *lab*icu**
Hue texts: $u^*_d = m00o$ $u^*_e = b72r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 48 75 −8
$LAB^*LCH^*_{Ma}$: 48 76 353
$lab^*olv^*_{Ma}$: 1.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.56
triangle lightness t^*

%Gamut $u^*_{ext} = 93$
%Regularity $g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{abs}	h^*_{abs}	u^*_a
O_{Ma}	47.94	65.39	50.52	82.63	38	r16j
Y_{Ma}	90.37	−10.27	91.75	92.32	96	j06g
L_{Ma}	50.9	−62.84	34.96	71.91	151	j83g
C_{Ma}	58.62	−30.35	−45.02	54.3	236	b28r
M_{Ma}	25.72	31.1	−44.41	54.22	305	b51r
M_{Ma}	48.13	75.28	−8.37	75.74	354	b72r
N_{Ma}	18.01	0.0	0.0	0.0	0	
W_{Ma}	95.41	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	

ORS18_95aM; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{abs}	h^*_{abs}	u^*_a
o00y	47.94	65.39	50.52	82.63	38	r16j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00c	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29r
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.044$ $u^*_d = m50o$

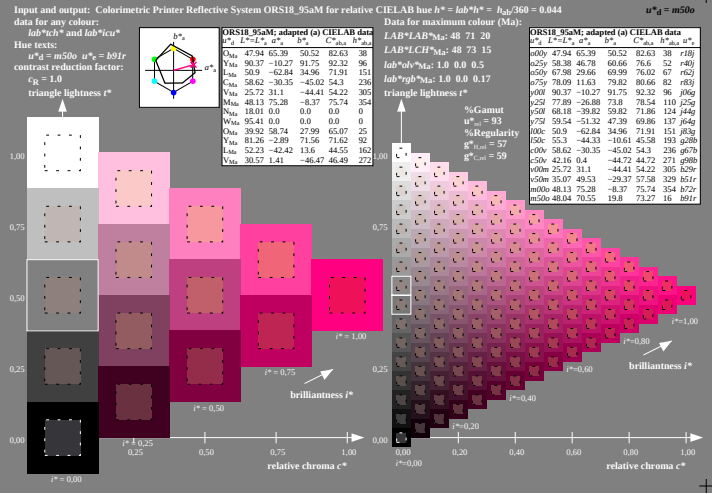
data for any colour: *lab*ich** and *lab*icu**
Hue texts: $u^*_d = m50o$ $u^*_e = b91r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

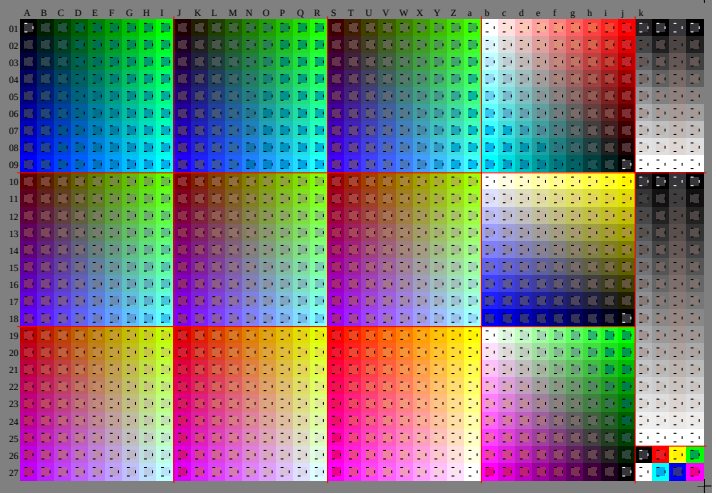
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 48 71 20
$LAB^*LCH^*_{Ma}$: 48 73 15
$lab^*olv^*_{Ma}$: 1.0 0.0 0.5
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.17
triangle lightness t^*

%Gamut $u^*_{ext} = 93$
%Regularity $g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{abs}	h^*_{abs}	u^*_a
O_{Ma}	47.94	65.39	50.52	82.63	38	r16j
Y_{Ma}	90.37	−10.27	91.75	92.32	96	j06g
L_{Ma}	50.9	−62.84	34.96	71.91	151	j83g
C_{Ma}	58.62	−30.35	−45.02	54.3	236	b28r
M_{Ma}	25.72	31.1	−44.41	54.22	305	b51r
M_{Ma}	48.13	75.28	−8.37	75.74	354	b72r
N_{Ma}	18.01	0.0	0.0	0.0	0	
W_{Ma}	95.41	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	

ORS18_95aM; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{abs}	h^*_{abs}	u^*_a
o00y	47.94	65.39	50.52	82.63	38	r16j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00c	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29r
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r



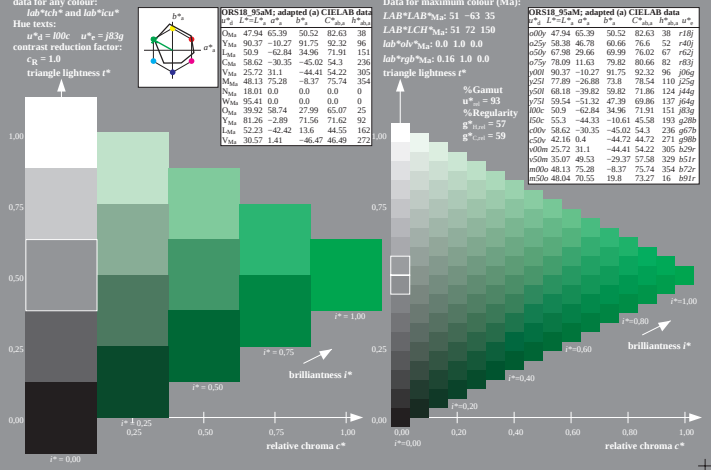


Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.419$ $u^*_d = l00c$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_d = l00c$ $u^*_e = j83g$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 51 −63 35
$LAB^*LCH^*_{Ma}$: 51 72 150
$lab^*olv^*_{Ma}$: 0.0 1.0 0.0
$lab^*rgb^*_{Ma}$: 0.16 1.0 0.0
triangle lightness t^*

%Gamut $u^*_{ed} = 93$
%Regularity $g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



ORS18_95aM; adapted (a) CIELAB data

u^*_d	L^*_{CIE}	a^*_{CIE}	b^*_{CIE}	C^*_{abcie}	h^*_{abcie}	u^*_e
O_{Ma}	47.94	65.39	50.52	82.63	38	r18j
Y_{Ma}	90.37	−10.27	91.75	92.32	96	r40j
L_{Ma}	50.9	−62.84	34.96	71.91	151	r62j
C_{Ma}	58.62	−30.35	−45.02	54.3	236	r83j
V_{Ma}	25.72	31.1	−44.41	54.22	305	j06g
M_{Ma}	48.13	75.28	−8.37	75.74	354	j25g
N_{Ma}	18.01	0.0	0.0	0.0	0	
W_{Ma}	95.41	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	

ORS18_95aM; adapted (a) CIELAB data

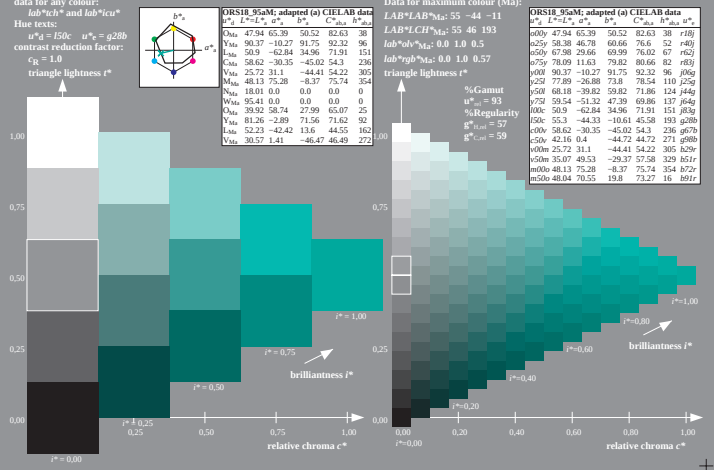
u^*_d	L^*_{CIE}	a^*_{CIE}	b^*_{CIE}	C^*_{abcie}	h^*_{abcie}	u^*_e
e00y	47.94	65.39	50.52	82.63	38	r18j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00v	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29r
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r

Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.537$ $u^*_d = l50c$

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^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 −44 −11
$LAB^*LCH^*_{Ma}$: 55 46 193
$lab^*olv^*_{Ma}$: 0.0 1.0 0.5
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.57
triangle lightness t^*

%Gamut $u^*_{ed} = 93$
%Regularity $g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



ORS18_95aM; adapted (a) CIELAB data

u^*_d	L^*_{CIE}	a^*_{CIE}	b^*_{CIE}	C^*_{abcie}	h^*_{abcie}	u^*_e
O_{Ma}	47.94	65.39	50.52	82.63	38	r18j
Y_{Ma}	90.37	−10.27	91.75	92.32	96	r40j
L_{Ma}	50.9	−62.84	34.96	71.91	151	r62j
C_{Ma}	58.62	−30.35	−45.02	54.3	236	r83j
V_{Ma}	25.72	31.1	−44.41	54.22	305	j06g
M_{Ma}	48.13	75.28	−8.37	75.74	354	j25g
N_{Ma}	18.01	0.0	0.0	0.0	0	
W_{Ma}	95.41	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	

ORS18_95aM; adapted (a) CIELAB data

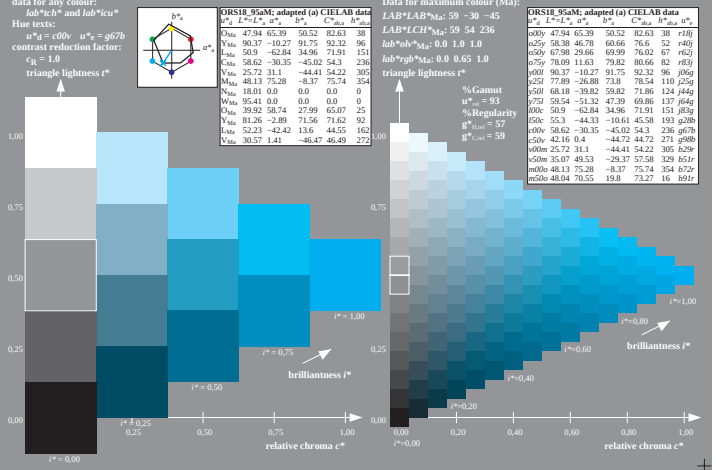
u^*_d	L^*_{CIE}	a^*_{CIE}	b^*_{CIE}	C^*_{abcie}	h^*_{abcie}	u^*_e
e00y	47.94	65.39	50.52	82.63	38	r18j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00v	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29r
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r

Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.656$ $u^*_d = c00v$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_d = c00v$ $u^*_e = g67b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 59 −30 −45
$LAB^*LCH^*_{Ma}$: 59 54 236
$lab^*olv^*_{Ma}$: 0.0 1.0 1.0
$lab^*rgb^*_{Ma}$: 0.0 0.65 1.0
triangle lightness t^*

%Gamut $u^*_{ed} = 93$
%Regularity $g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



ORS18_95aM; adapted (a) CIELAB data

u^*_d	L^*_{CIE}	a^*_{CIE}	b^*_{CIE}	C^*_{abcie}	h^*_{abcie}	u^*_e
O_{Ma}	47.94	65.39	50.52	82.63	38	r18j
Y_{Ma}	90.37	−10.27	91.75	92.32	96	r40j
L_{Ma}	50.9	−62.84	34.96	71.91	151	r62j
C_{Ma}	58.62	−30.35	−45.02	54.3	236	r83j
V_{Ma}	25.72	31.1	−44.41	54.22	305	j06g
M_{Ma}	48.13	75.28	−8.37	75.74	354	j25g
N_{Ma}	18.01	0.0	0.0	0.0	0	
W_{Ma}	95.41	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	

ORS18_95aM; adapted (a) CIELAB data

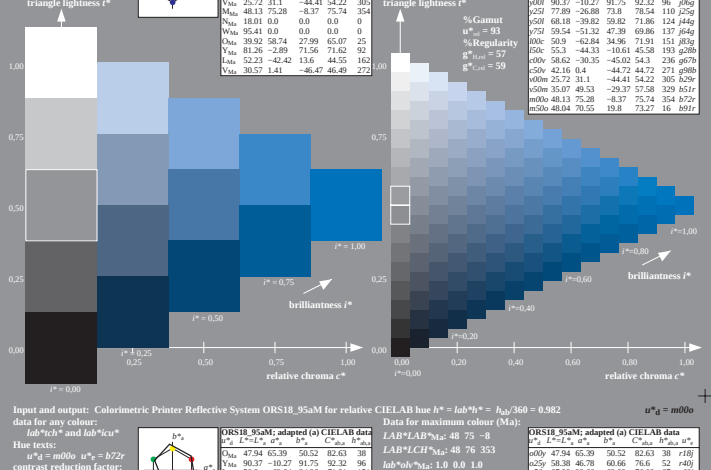
u^*_d	L^*_{CIE}	a^*_{CIE}	b^*_{CIE}	C^*_{abcie}	h^*_{abcie}	u^*_e
e00y	47.94	65.39	50.52	82.63	38	r18j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00v	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29r
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r

Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.751$ $u^*_d = c50v$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_d = c50v$ $u^*_e = g98b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 42 0 −45
$LAB^*LCH^*_{Ma}$: 42 45 270
$lab^*olv^*_{Ma}$: 0.0 0.5 1.0
$lab^*rgb^*_{Ma}$: 0.0 0.02 1.0
triangle lightness t^*

%Gamut $u^*_{ed} = 93$
%Regularity $g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



ORS18_95aM; adapted (a) CIELAB data

u^*_d	L^*_{CIE}	a^*_{CIE}	b^*_{CIE}	C^*_{abcie}	h^*_{abcie}	u^*_e
O_{Ma}	47.94	65.39	50.52	82.63	38	r18j
Y_{Ma}	90.37	−10.27	91.75	92.32	96	r40j
L_{Ma}	50.9	−62.84	34.96	71.91	151	r62j
C_{Ma}	58.62	−30.35	−45.02	54.3	236	r83j
V_{Ma}	25.72	31.1	−44.41	54.22	305	j06g
M_{Ma}	48.13	75.28	−8.37	75.74	354	j25g
N_{Ma}	18.01	0.0	0.0	0.0	0	
W_{Ma}	95.41	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	

ORS18_95aM; adapted (a) CIELAB data

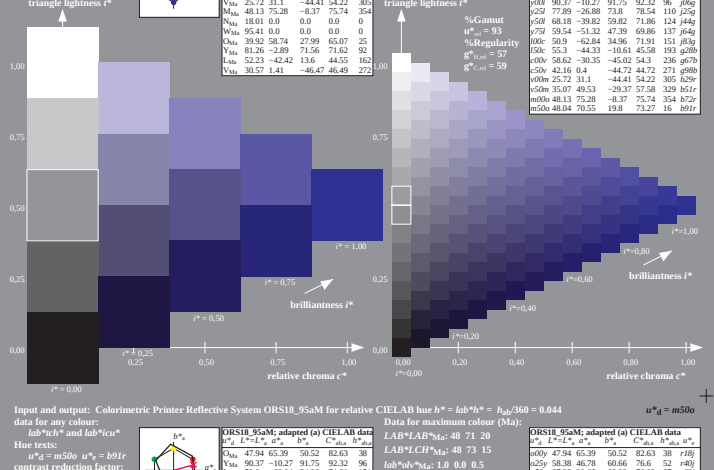
u^*_d	L^*_{CIE}	a^*_{CIE}	b^*_{CIE}	C^*_{abcie}	h^*_{abcie}	u^*_e
e00y	47.94	65.39	50.52	82.63	38	r18j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00v	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29r
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r

Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.847$ $u^*_d = v00m$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_d = v00m$ $u^*_e = b29r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 26 31 −44
$LAB^*LCH^*_{Ma}$: 26 54 305
$lab^*olv^*_{Ma}$: 0.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 0.58 0.0 1.0
triangle lightness t^*

%Gamut $u^*_{ed} = 93$
%Regularity $g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



ORS18_95aM; adapted (a) CIELAB data

u^*_d	L^*_{CIE}	a^*_{CIE}	b^*_{CIE}	C^*_{abcie}	h^*_{abcie}	u^*_e
O_{Ma}	47.94	65.39	50.52	82.63	38	r18j
Y_{Ma}	90.37	−10.27	91.75	92.32	96	r40j
L_{Ma}	50.9	−62.84	34.96	71.91	151	r62j
C_{Ma}	58.62	−30.35	−45.02	54.3	236	r83j
V_{Ma}	25.72	31.1	−44.41	54.22	305	j06g
M_{Ma}	48.13	75.28	−8.37	75.74	354	j25g
N_{Ma}	18.01	0.0	0.0	0.0	0	
W_{Ma}	95.41	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	

ORS18_95aM; adapted (a) CIELAB data

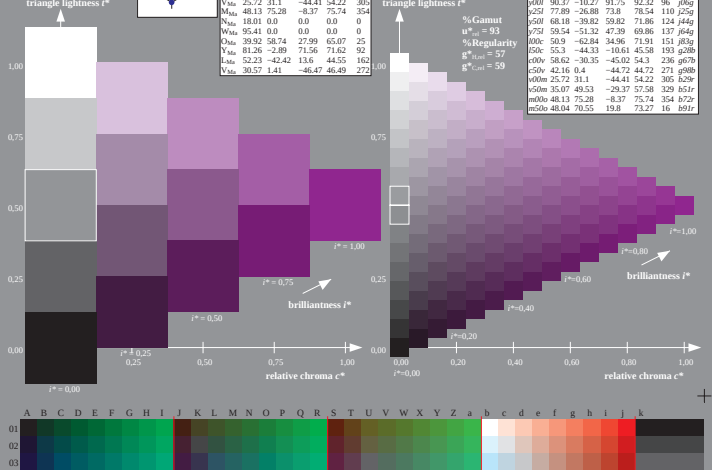
u^*_d	L^*_{CIE}	a^*_{CIE}	b^*_{CIE}	C^*_{abcie}	h^*_{abcie}	u^*_e
e00y	47.94	65.39	50.52	82.63	38	r18j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00v	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29r
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r

Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.915$ $u^*_d = v50m$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_d = v50m$ $u^*_e = b51r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 35 50 −29
$LAB^*LCH^*_{Ma}$: 35 58 329
$lab^*olv^*_{Ma}$: 0.5 0.0 1.0
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.99
triangle lightness t^*

%Gamut $u^*_{ed} = 93$
%Regularity $g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



ORS18_95aM; adapted (a) CIELAB data

u^*_d	L^*_{CIE}	a^*_{CIE}	b^*_{CIE}	C^*_{abcie}	h^*_{abcie}	u^*_e
O_{Ma}	47.94	65.39	50.52	82.63	38	r18j
Y_{Ma}	90.37	−10.27	91.75	92.32	96	r40j
L_{Ma}	50.9	−62.84	34.96	71.91	151	r62j
C_{Ma}	58.62	−30.35	−45.02	54.3	236	r83j
V_{Ma}	25.72	31.1	−44.41	54.22	305	j06g
M_{Ma}	48.13	75.28	−8.37	75.74	354	j25g
N_{Ma}	18.01	0.0	0.0	0.0	0	
W_{Ma}	95.41	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	

ORS18_95aM; adapted (a) CIELAB data

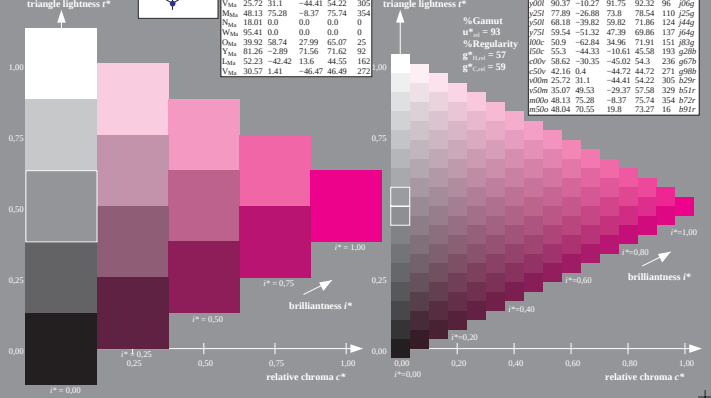
u^*_d	L^*_{CIE}	a^*_{CIE}	b^*_{CIE}	C^*_{abcie}	h^*_{abcie}	u^*_e
e00y	47.94	65.39	50.52	82.63	38	r18j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00v	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29r
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r

Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.982$ $u^*_d = m00o$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_d = m00o$ $u^*_e = b72r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 48 75 −8
$LAB^*LCH^*_{Ma}$: 48 76 353
$lab^*olv^*_{Ma}$: 1.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.56
triangle lightness t^*

%Gamut $u^*_{ed} = 93$
%Regularity $g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



ORS18_95aM; adapted (a) CIELAB data

u^*_d	L^*_{CIE}	a^*_{CIE}	b^*_{CIE}	C^*_{abcie}	h^*_{abcie}	u^*_e
O_{Ma}	47.94	65.39	50.52	82.63	38	r18j
Y_{Ma}	90.37	−10.27	91.75	92.32	96	r40j
L_{Ma}	50.9	−62.84	34.96	71.91	151	r62j
C_{Ma}	58.62	−30.35	−45.02	54.3	236	r83j
V_{Ma}	25.72	31.1	−44.41	54.22	305	j06g
M_{Ma}	48.13	75.28	−8.37	75.74	354	j25g
N_{Ma}	18.01	0.0	0.0	0.0	0	
W_{Ma}	95.41	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	

ORS18_95aM; adapted (a) CIELAB data

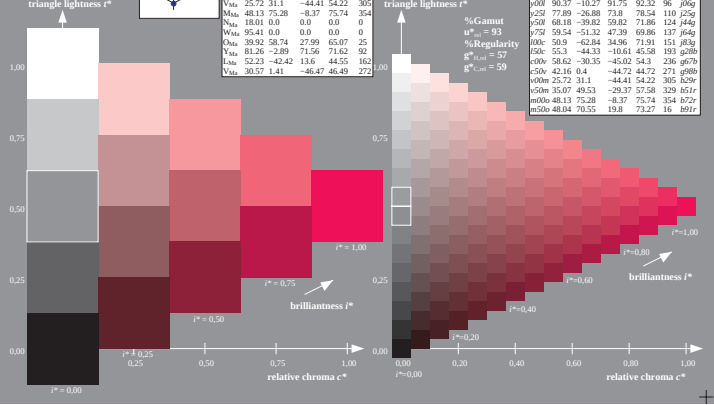
u^*_d	L^*_{CIE}	a^*_{CIE}	b^*_{CIE}	C^*_{abcie}	h^*_{abcie}	u^*_e
e00y	47.94	65.39	50.52	82.63	38	r18j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00v	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29r
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r

Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.044$ $u^*_d = m50o$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_d = m50o$ $u^*_e = b91r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 48 71 20
$LAB^*LCH^*_{Ma}$: 48 73 15
$lab^*olv^*_{Ma}$: 1.0 0.0 0.5
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.17
triangle lightness t^*

%Gamut $u^*_{ed} = 93$
%Regularity $g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

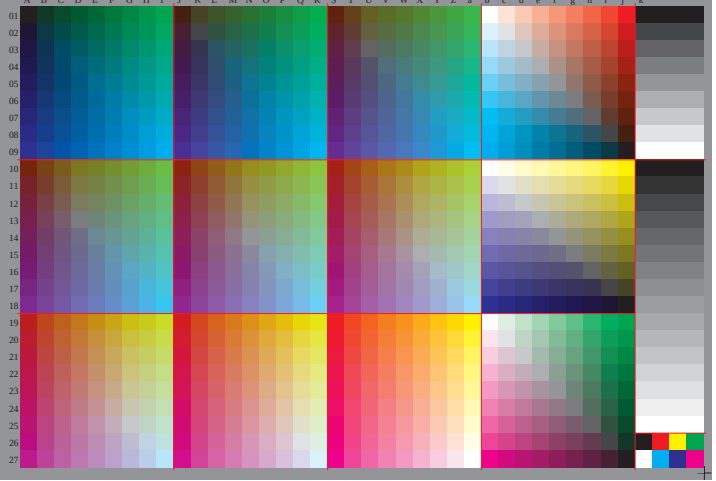


ORS18_95aM; adapted (a) CIELAB data

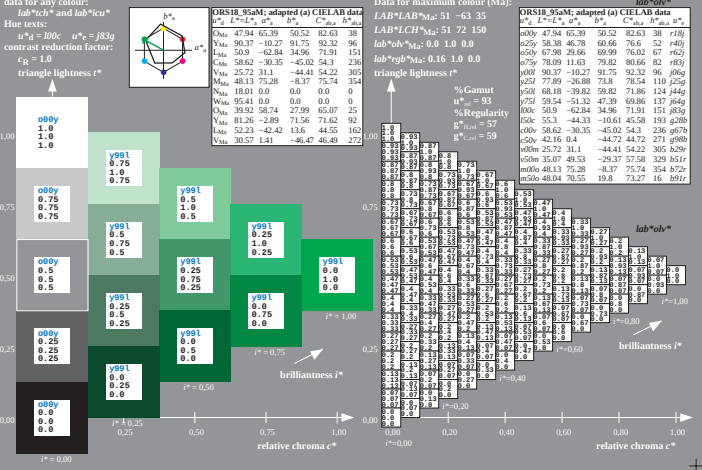
u^*_d	L^*_{CIE}	a^*_{CIE}	b^*_{CIE}	C^*_{abcie}	h^*_{abcie}	u^*_e
O_{Ma}	47.94	65.39	50.52	82.63	38	r18j
Y_{Ma}	90.37	−10.27	91.75	92.32	96	r40j
L_{Ma}	50.9	−62.84	34.96	71.91	151	r62j
C_{Ma}	58.62	−30.35	−45.02	54.3	236	r83j
V_{Ma}	25.72	31.1	−44.41	54.22	305	j06g
M_{Ma}	48.13	75.28	−8.37	75.74	354	j25g
N_{Ma}	18.01	0.0	0.0	0.0	0	
W_{Ma}	95.41	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	

ORS18_95aM; adapted (a) CIELAB data

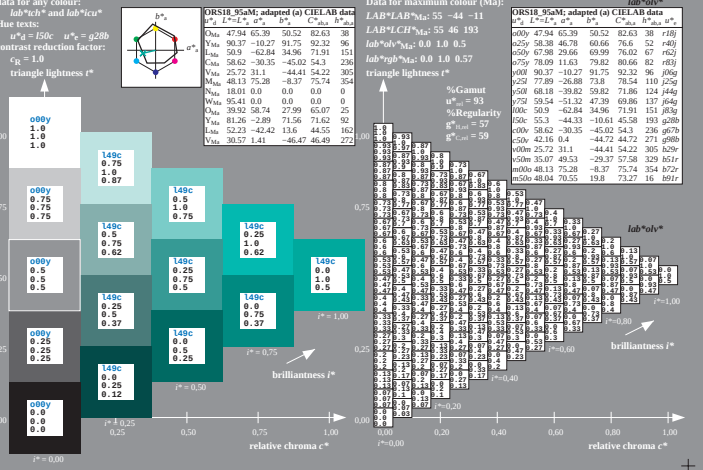
u^*_d	L^*_{CIE}	a^*_{CIE}	b^*_{CIE}	C^*_{abcie}	h^*_{abcie}	u^*_e
e00y	47.94	65.39	50.52	82.63	38	r18j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00v	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29r
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r



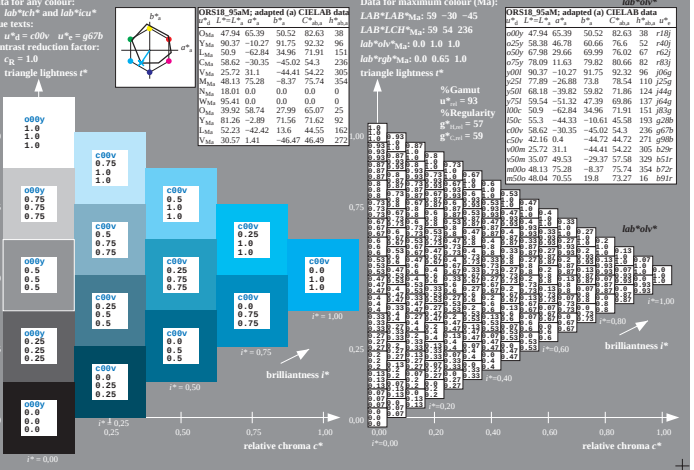
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.419$ $u^*_d = l00c$ lab^*olv^*
data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: $u^*_d = j83g$ $u^*_e = j83g$
contrast reduction factor: $c_R = 1.0$
Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 51 −63 35 $LAB^*LCH^*_{Ma}$: 51 72 150 $lab^*olv^*_{Ma}$: 0.0 1.0 0.0 $lab^*rgb^*_{Ma}$: 0.16 1.0 0.0
triangle lightness t^*



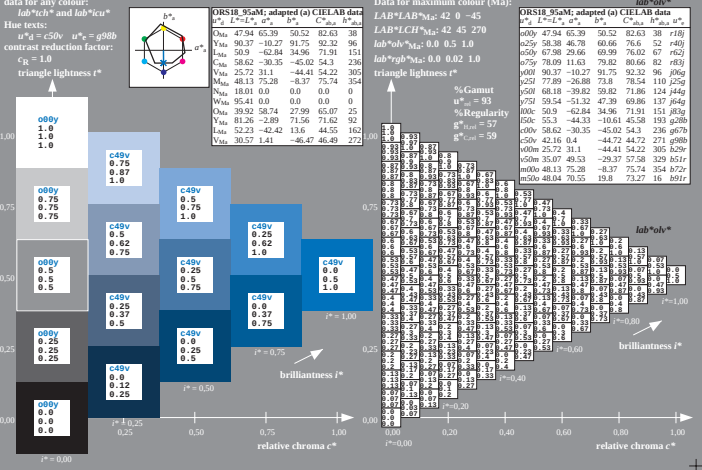
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.537$ $u^*_d = l50c$ lab^*olv^*
data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: $u^*_d = l50c$ $u^*_e = g28b$
contrast reduction factor: $c_R = 1.0$
Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 55 −44 −11 $LAB^*LCH^*_{Ma}$: 55 46 193 $lab^*olv^*_{Ma}$: 0.0 1.0 0.5 $lab^*rgb^*_{Ma}$: 0.0 1.0 0.57
triangle lightness t^*



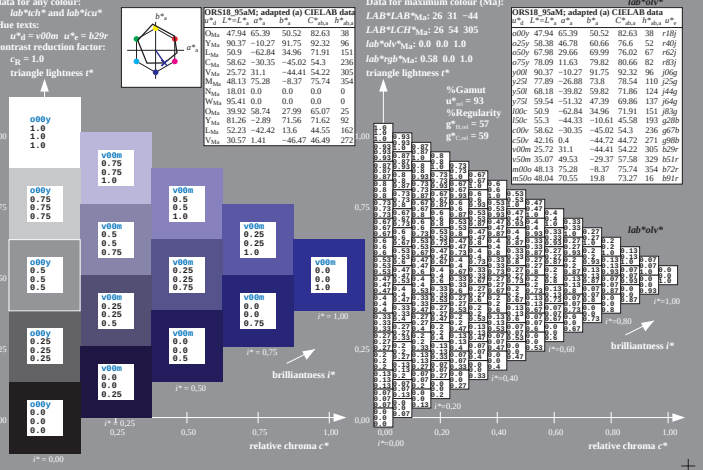
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.656$ $u^*_d = c00v$ lab^*olv^*
data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: $u^*_d = g67b$ $u^*_e = g67b$
contrast reduction factor: $c_R = 1.0$
Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 59 −30 −45 $LAB^*LCH^*_{Ma}$: 59 54 236 $lab^*olv^*_{Ma}$: 0.0 1.0 1.0 $lab^*rgb^*_{Ma}$: 0.0 0.65 1.0
triangle lightness t^*



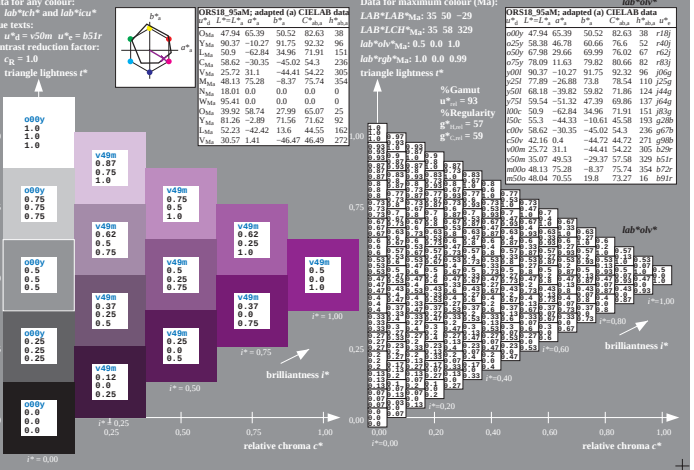
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.751$ $u^*_d = c50v$ lab^*olv^*
data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: $u^*_d = c50v$ $u^*_e = g98b$
contrast reduction factor: $c_R = 1.0$
Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 42 0 −45 $LAB^*LCH^*_{Ma}$: 42 45 270 $lab^*olv^*_{Ma}$: 0.0 0.5 1.0 $lab^*rgb^*_{Ma}$: 0.0 0.02 1.0
triangle lightness t^*



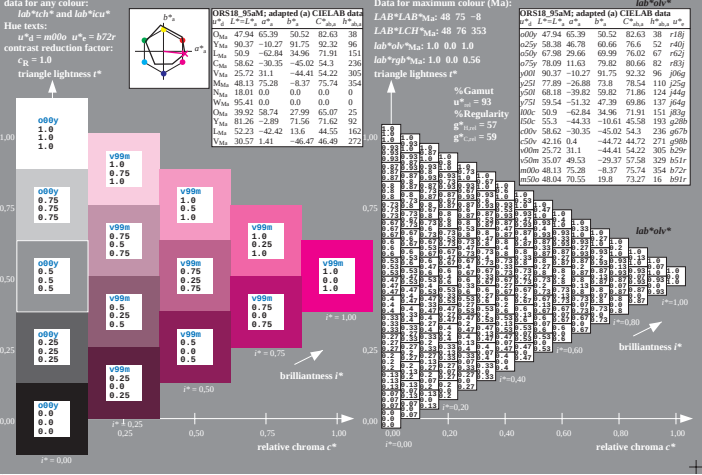
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.847$ $u^*_d = v00m$ lab^*olv^*
data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: $u^*_d = v00m$ $u^*_e = b29r$
contrast reduction factor: $c_R = 1.0$
Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 26 31 −44 $LAB^*LCH^*_{Ma}$: 26 54 305 $lab^*olv^*_{Ma}$: 0.0 0.0 1.0 $lab^*rgb^*_{Ma}$: 0.58 0.0 1.0
triangle lightness t^*



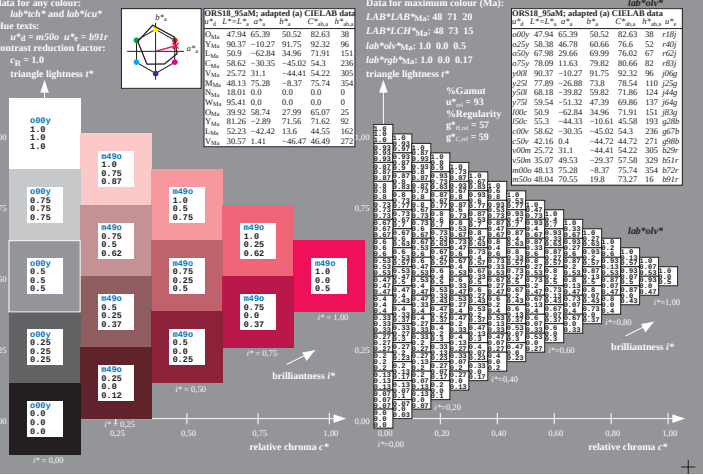
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.915$ $u^*_d = v50m$ lab^*olv^*
data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: $u^*_d = v50m$ $u^*_e = b51r$
contrast reduction factor: $c_R = 1.0$
Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 35 50 −29 $LAB^*LCH^*_{Ma}$: 35 58 329 $lab^*olv^*_{Ma}$: 0.5 0.0 1.0 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.99
triangle lightness t^*

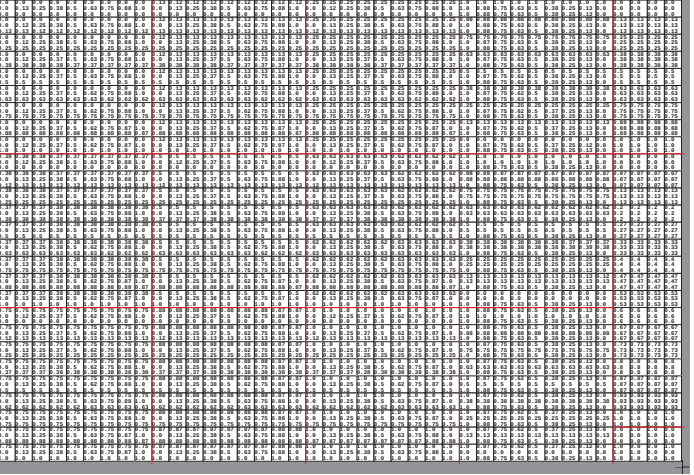


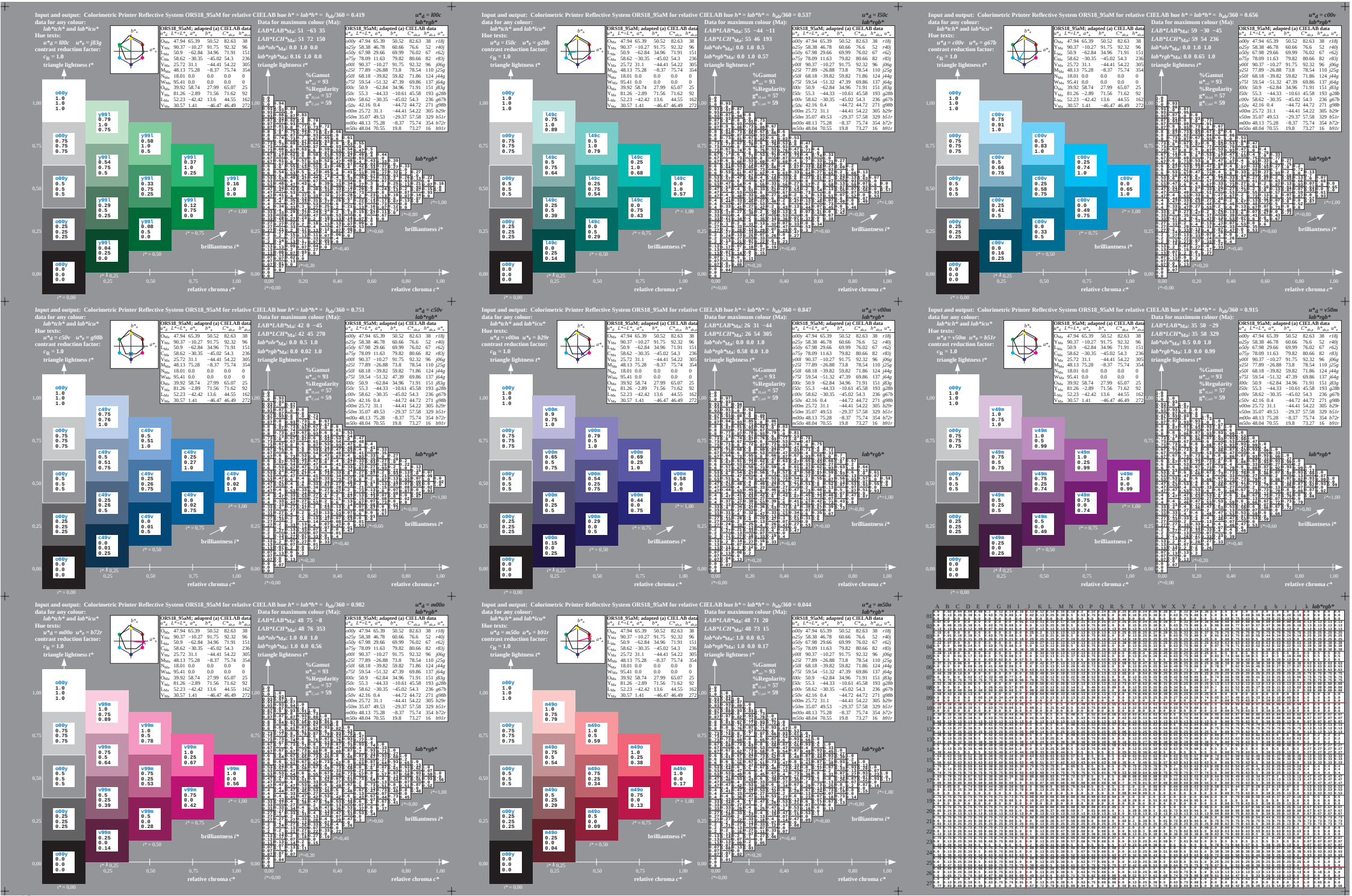
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.982$ $u^*_d = m00o$ lab^*olv^*
data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: $u^*_d = m00o$ $u^*_e = b72r$
contrast reduction factor: $c_R = 1.0$
Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 48 75 −8 $LAB^*LCH^*_{Ma}$: 48 76 353 $lab^*olv^*_{Ma}$: 1.0 0.0 1.0 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.56
triangle lightness t^*

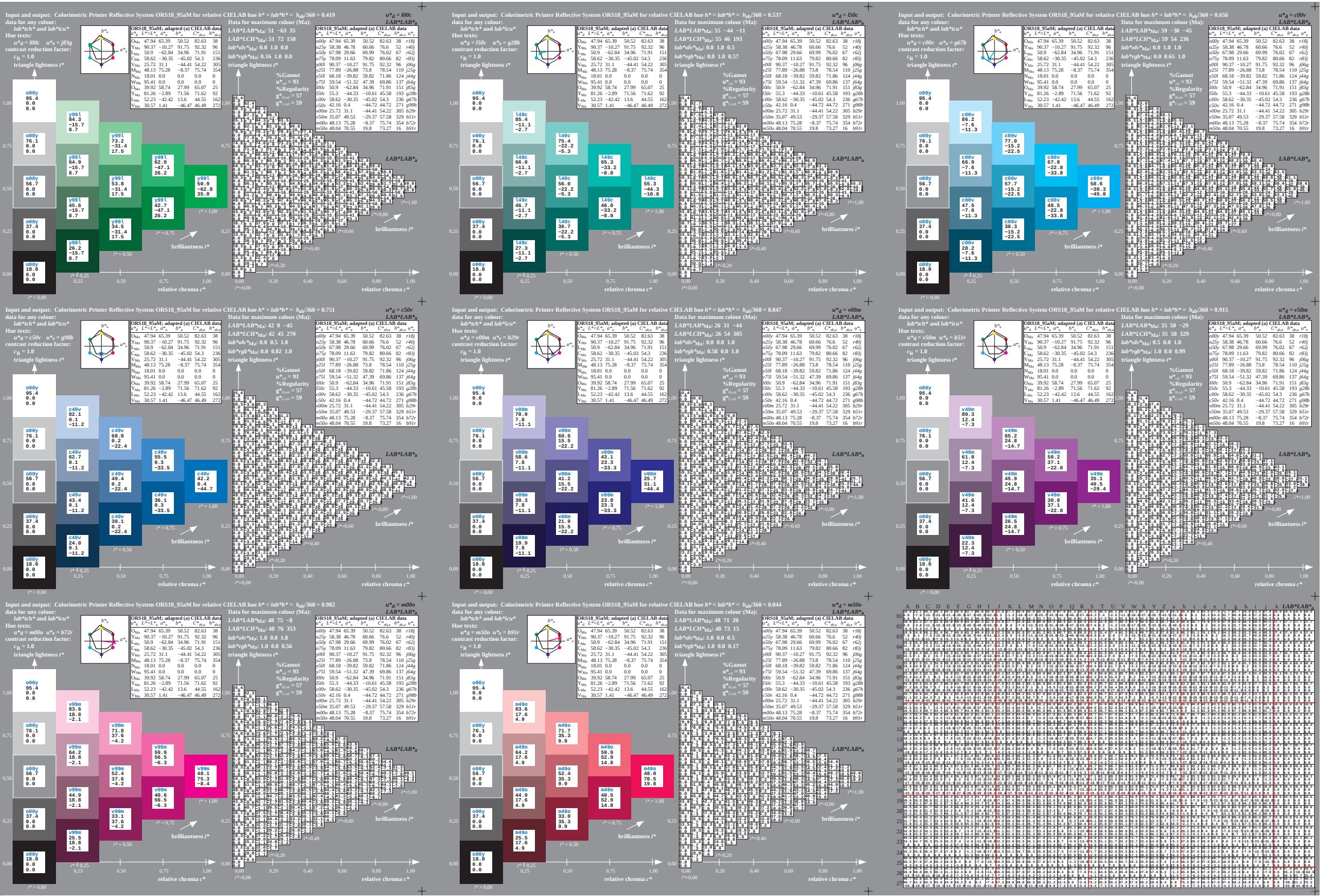


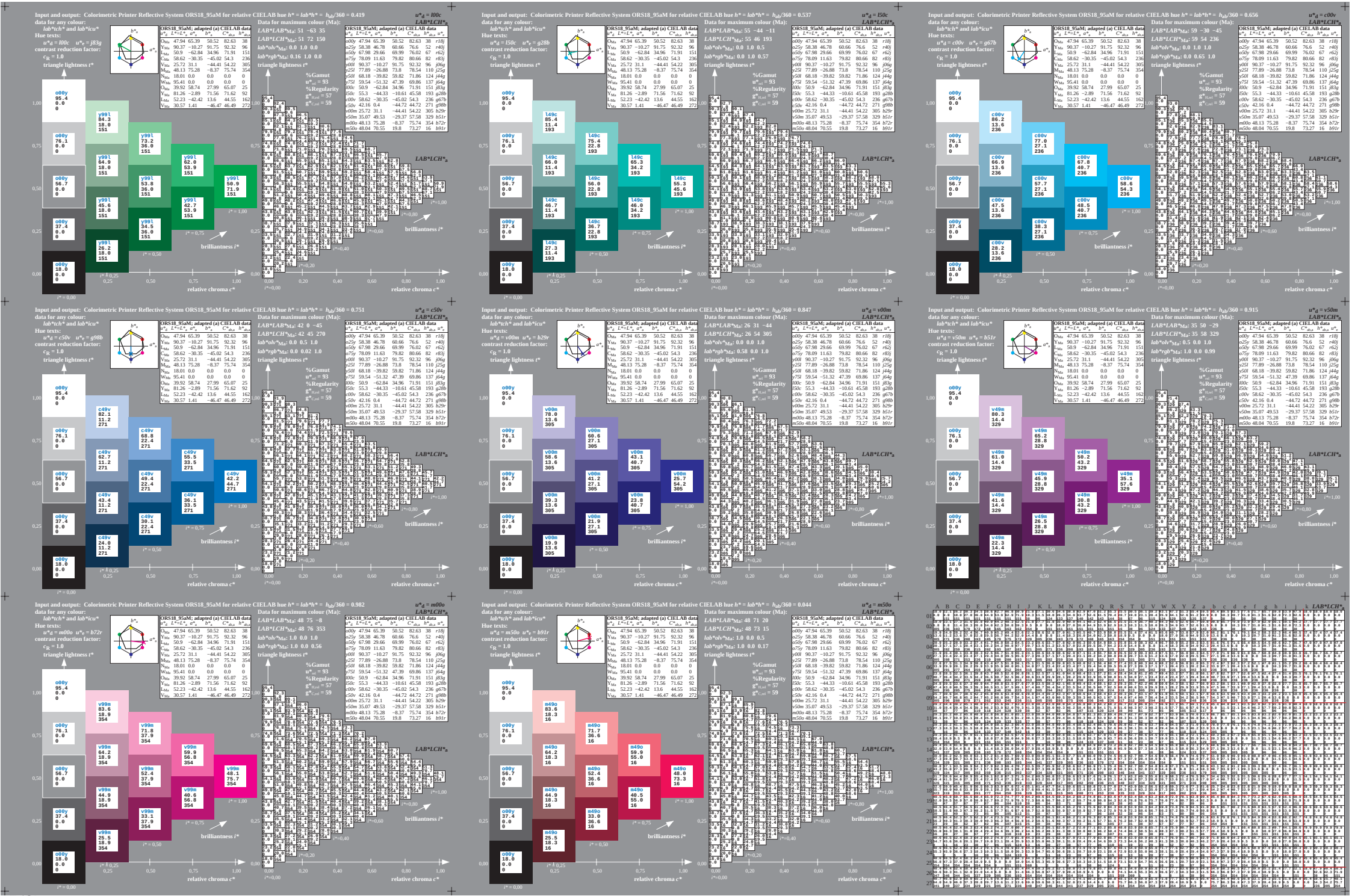
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.044$ $u^*_d = m50o$ lab^*olv^*
data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: $u^*_d = m50o$ $u^*_e = b91r$
contrast reduction factor: $c_R = 1.0$
Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 48 71 20 $LAB^*LCH^*_{Ma}$: 48 73 15 $lab^*olv^*_{Ma}$: 1.0 0.0 0.5 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.17
triangle lightness t^*






Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.419
u*a = l00c
lab*rgb*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*a = j83g
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 51 −63 35
LAB*LCH*Ma: 51 72 150
lab*ob/v*Ma: 0.0 1.0 0.0
lab*rgb*Ma: 0.16 1.0 0.0
%Gamut
u*a = 93
%Regularity
g*H,rel = 57
g*C,rel = 59
ORS18_95aM; adapted (a) CIELAB data
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.537
u*a = l50c
lab*rgb*
Data for maximum colour (Ma):
LAB*LAB*Ma: 55 −44 −11
LAB*LCH*Ma: 55 46 193
lab*ob/v*Ma: 0.0 1.0 0.5
lab*rgb*Ma: 0.0 1.0 0.57
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.656
u*a = c00v
lab*rgb*
Data for maximum colour (Ma):
LAB*LAB*Ma: 59 −30 −45
LAB*LCH*Ma: 59 54 236
lab*ob/v*Ma: 0.0 1.0 1.0
lab*rgb*Ma: 0.0 0.65 1.0
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.751
u*a = c50v
lab*rgb*
Data for maximum colour (Ma):
LAB*LAB*Ma: 42 0 −45
LAB*LCH*Ma: 42 45 270
lab*ob/v*Ma: 0.0 0.5 1.0
lab*rgb*Ma: 0.0 0.02 1.0
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.847
u*a = v00m
lab*rgb*
Data for maximum colour (Ma):
LAB*LAB*Ma: 26 31 −44
LAB*LCH*Ma: 26 54 305
lab*ob/v*Ma: 0.0 0.0 1.0
lab*rgb*Ma: 0.58 0.0 1.0
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.915
u*a = v50m
lab*rgb*
Data for maximum colour (Ma):
LAB*LAB*Ma: 35 50 −29
LAB*LCH*Ma: 35 58 329
lab*ob/v*Ma: 0.5 0.0 1.0
lab*rgb*Ma: 1.0 0.0 0.99
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.982
u*a = m00o
lab*rgb*
Data for maximum colour (Ma):
LAB*LAB*Ma: 48 75 −8
LAB*LCH*Ma: 48 76 353
lab*ob/v*Ma: 1.0 0.0 1.0
lab*rgb*Ma: 1.0 0.0 0.56
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.044
u*a = m50o
lab*rgb*
Data for maximum colour (Ma):
LAB*LAB*Ma: 48 71 20
LAB*LCH*Ma: 48 73 15
lab*ob/v*Ma: 1.0 0.0 0.5
lab*rgb*Ma: 1.0 0.0 0.17


Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.419
u*d = l00c
LAB*LAB*a
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = l00c u*e = j83g
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 51 −63 35
LAB*LCH*Ma: 51 72 150
lab*olv*Ma: 0.0 1.0 0.0
lab*rgb*Ma: 0.16 1.0 0.0
%Gamut
u*e = 93
%Regularity
g*H,rel = 57
g*C,rel = 59
ORS18_95aM; adapted (a) CIELAB data
relative chroma c*
brilliantness j*
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.537
u*d = l50c
LAB*LAB*a
LAB*LAB*Ma: 55 −44 −11
LAB*LCH*Ma: 55 46 193
lab*olv*Ma: 0.0 1.0 0.5
lab*rgb*Ma: 0.0 1.0 0.57
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.656
u*d = c00v
LAB*LAB*a
LAB*LAB*Ma: 59 −30 −45
LAB*LCH*Ma: 59 54 236
lab*olv*Ma: 0.0 1.0 1.0
lab*rgb*Ma: 0.0 0.65 1.0
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.751
u*d = c50v
LAB*LAB*a
LAB*LAB*Ma: 42 0 −45
LAB*LCH*Ma: 42 45 270
lab*olv*Ma: 0.0 0.5 1.0
lab*rgb*Ma: 0.0 0.02 1.0
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.847
u*d = v00m
LAB*LAB*a
LAB*LAB*Ma: 26 31 −44
LAB*LCH*Ma: 26 54 305
lab*olv*Ma: 0.0 0.0 1.0
lab*rgb*Ma: 0.58 0.01 1.0
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.915
u*d = v50m
LAB*LAB*a
LAB*LAB*Ma: 35 50 −29
LAB*LCH*Ma: 35 58 329
lab*olv*Ma: 0.5 0.0 1.0
lab*rgb*Ma: 1.0 0.0 0.99
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.982
u*d = m00o
LAB*LAB*a
LAB*LAB*Ma: 48 75 −8
LAB*LCH*Ma: 48 76 353
lab*olv*Ma: 1.0 0.0 1.0
lab*rgb*Ma: 1.0 0.0 0.56
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.044
u*d = m50o
LAB*LAB*a
LAB*LAB*Ma: 48 71 15
LAB*LCH*Ma: 48 73 15
lab*olv*Ma: 1.0 0.0 0.5
lab*rgb*Ma: 1.0 0.0 0.17


Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.419
u*d = l00c
LAB*LCH*a
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = l00c u*e = j83g
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 51 −63 35
LAB*LCH*Ma: 51 72 150
lab*olv*Ma: 0.0 1.0 0.0
lab*rgb*Ma: 0.16 1.0 0.0
%Gamut
u*a = 93
%Regularity
g*H,rel = 57
g*C,rel = 59
ORS18_95aM; adapted (a) CIELAB data
relative chroma c*
brilliantness j*
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.537
u*d = l50c
LAB*LCH*a
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = l50c u*e = q28b
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 55 −44 −11
LAB*LCH*Ma: 55 46 193
lab*olv*Ma: 0.0 1.0 0.5
lab*rgb*Ma: 0.0 1.0 0.57
%Gamut
u*a = 93
%Regularity
g*H,rel = 57
g*C,rel = 59
ORS18_95aM; adapted (a) CIELAB data
relative chroma c*
brilliantness j*
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.656
u*d = c00v
LAB*LCH*a
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = c00v u*e = q67b
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 59 −30 −45
LAB*LCH*Ma: 59 54 236
lab*olv*Ma: 0.0 1.0 1.0
lab*rgb*Ma: 0.0 0.65 1.0
%Gamut
u*a = 93
%Regularity
g*H,rel = 57
g*C,rel = 59
ORS18_95aM; adapted (a) CIELAB data
relative chroma c*
brilliantness j*
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.751
u*d = c50v
LAB*LCH*a
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = c50v u*e = q98b
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 42 0 −45
LAB*LCH*Ma: 42 45 270
lab*olv*Ma: 0.0 0.5 1.0
lab*rgb*Ma: 0.0 0.02 1.0
%Gamut
u*a = 93
%Regularity
g*H,rel = 57
g*C,rel = 59
ORS18_95aM; adapted (a) CIELAB data
relative chroma c*
brilliantness j*
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.847
u*d = v00m
LAB*LCH*a
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = v00m u*e = b29r
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 26 31 −44
LAB*LCH*Ma: 26 54 305
lab*olv*Ma: 0.0 0.0 1.0
lab*rgb*Ma: 0.58 0.0 1.0
%Gamut
u*a = 93
%Regularity
g*H,rel = 57
g*C,rel = 59
ORS18_95aM; adapted (a) CIELAB data
relative chroma c*
brilliantness j*
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.915
u*d = v50m
LAB*LCH*a
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = v50m u*e = b51r
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 35 50 −29
LAB*LCH*Ma: 35 58 329
lab*olv*Ma: 0.5 0.0 1.0
lab*rgb*Ma: 1.0 0.0 0.99
%Gamut
u*a = 93
%Regularity
g*H,rel = 57
g*C,rel = 59
ORS18_95aM; adapted (a) CIELAB data
relative chroma c*
brilliantness j*
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.982
u*d = m00o
LAB*LCH*a
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = m00o u*e = b72r
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 48 75 −8
LAB*LCH*Ma: 48 76 353
lab*olv*Ma: 1.0 0.0 1.0
lab*rgb*Ma: 1.0 0.0 0.56
%Gamut
u*a = 93
%Regularity
g*H,rel = 57
g*C,rel = 59
ORS18_95aM; adapted (a) CIELAB data
relative chroma c*
brilliantness j*
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.044
u*d = m50o
LAB*LCH*a
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = m50o u*e = b91r
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 48 71 20
LAB*LCH*Ma: 48 73 15
lab*olv*Ma: 1.0 0.0 0.5
lab*rgb*Ma: 1.0 0.0 0.17
%Gamut
u*a = 93
%Regularity
g*H,rel = 57
g*C,rel = 59
ORS18_95aM; adapted (a) CIELAB data
relative chroma c*
brilliantness j*

Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.419$ $u^*_d = l00c$

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

Hue texts: $u^*_d = l00c$ $u^*_e = j83g$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 51 −63 35

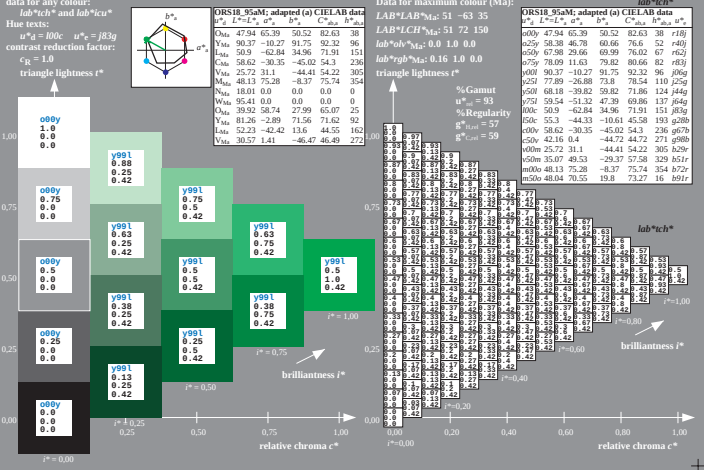
$LAB^*LCH^*_{Ma}$: 51 72 150

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

$lab^*rgb^*_{Ma}$: 0.16 1.0 0.0

%Gamut $u^*_{ce} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.537$ $u^*_d = l50c$

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

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

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 −44 −11

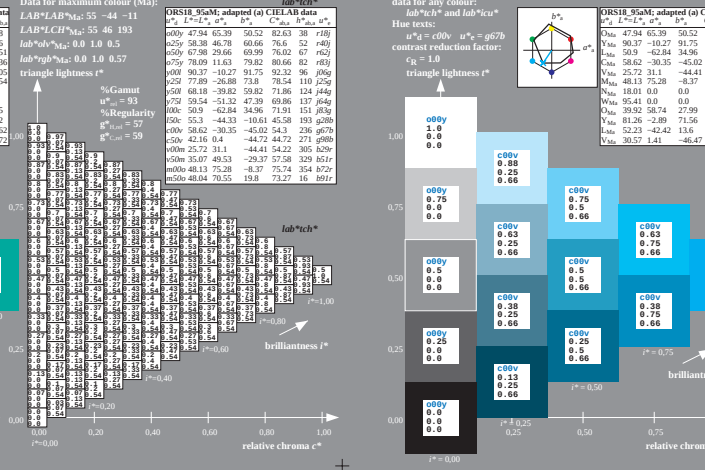
$LAB^*LCH^*_{Ma}$: 55 46 193

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

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

%Gamut $u^*_{ce} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.656$ $u^*_d = c00v$

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

Hue texts: $u^*_d = c00v$ $u^*_e = g67b$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 59 −30 −45

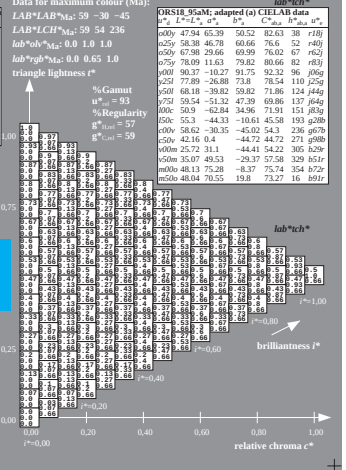
$LAB^*LCH^*_{Ma}$: 59 54 236

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

$lab^*rgb^*_{Ma}$: 0.0 0.65 1.0

%Gamut $u^*_{ce} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.751$ $u^*_d = c50v$

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

Hue texts: $u^*_d = c50v$ $u^*_e = g98b$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 0 −45

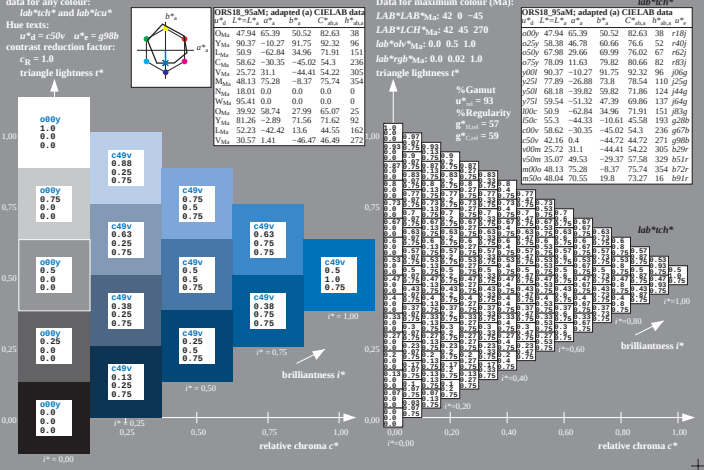
$LAB^*LCH^*_{Ma}$: 42 45 270

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

$lab^*rgb^*_{Ma}$: 0.0 0.02 1.0

%Gamut $u^*_{ce} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.847$ $u^*_d = v00m$

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

Hue texts: $u^*_d = v00m$ $u^*_e = b29r$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 26 31 −44

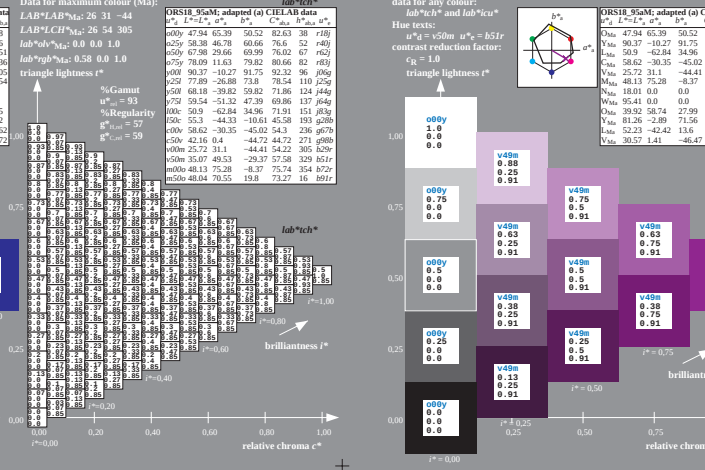
$LAB^*LCH^*_{Ma}$: 26 54 305

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

$lab^*rgb^*_{Ma}$: 0.58 0.0 1.0

%Gamut $u^*_{ce} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.915$ $u^*_d = v50m$

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

Hue texts: $u^*_d = v50m$ $u^*_e = b51r$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 35 50 −29

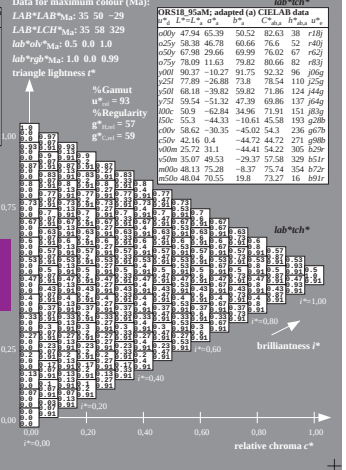
$LAB^*LCH^*_{Ma}$: 35 58 329

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.99

%Gamut $u^*_{ce} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.982$ $u^*_d = m00o$

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

Hue texts: $u^*_d = m00o$ $u^*_e = b72r$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 75 −8

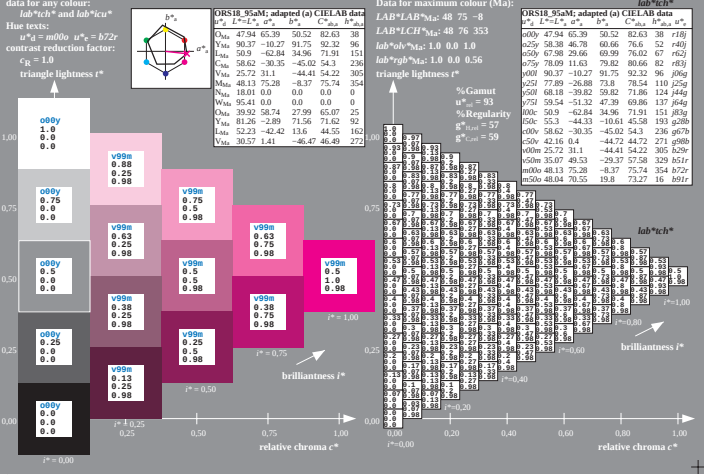
$LAB^*LCH^*_{Ma}$: 48 76 353

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.56

%Gamut $u^*_{ce} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.044$ $u^*_d = m50o$

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

Hue texts: $u^*_d = m50o$ $u^*_e = b91r$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 71 20

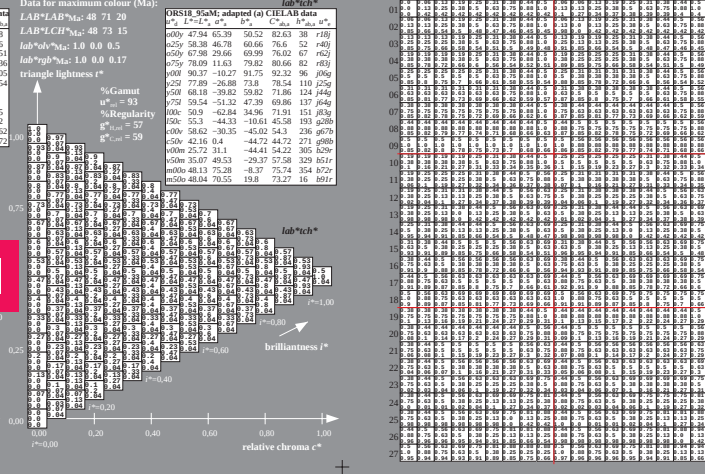
$LAB^*LCH^*_{Ma}$: 48 73 15

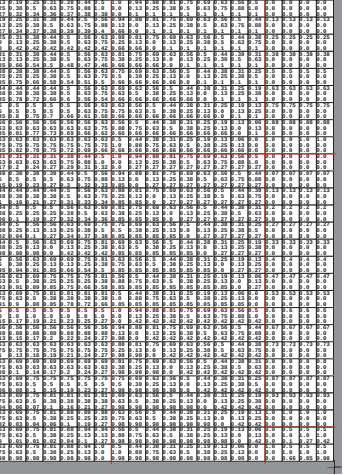
$lab^*olv^*_{Ma}$: 1.0 0.0 0.5

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.17

%Gamut $u^*_{ce} = 93$

%Regularity $g^*_{H,rel} = 57$ $g^*_{C,rel} = 59$





Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.419$ $u^*_d = l00c$ $lab^*icu^*_c$

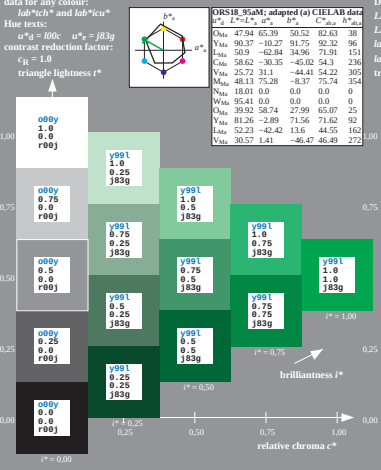
data for any colour: lab^*ich^* and lab^*icu^*

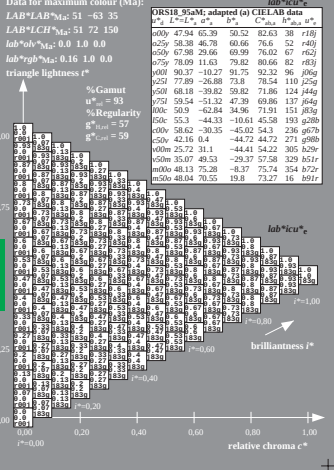
Hue texts: $u^*_d = l00c$ $u^*_e = j83g$

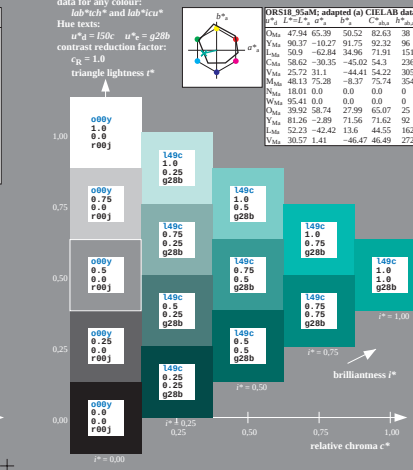
contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 51 −63 35 $LAB^*LCH^*_{Ma}$: 51 72 150 $lab^*olv^*_{Ma}$: 0.0 1.0 0.0 $lab^*rgb^*_{Ma}$: 0.16 1.0 0.0

triangle lightness t^*







Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.537$ $u^*_d = l50c$ $lab^*icu^*_c$

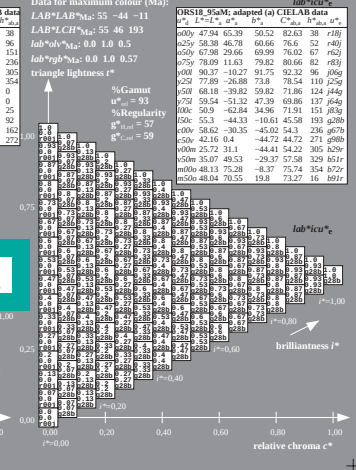
data for any colour: lab^*ich^* and lab^*icu^*

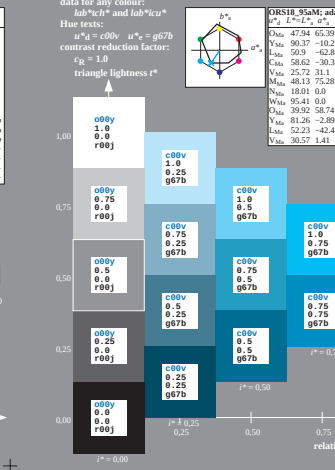
Hue texts: $u^*_d = l50c$ $u^*_e = g28b$

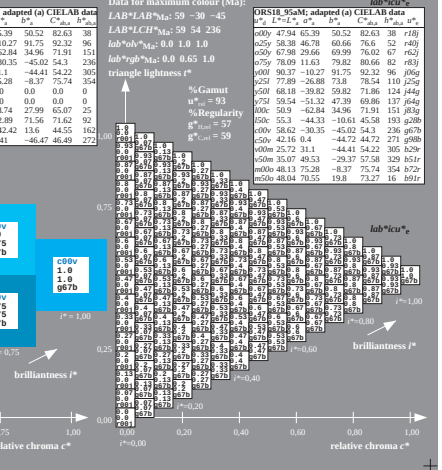
contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 55 −44 −11 $LAB^*LCH^*_{Ma}$: 55 46 193 $lab^*olv^*_{Ma}$: 0.0 1.0 0.5 $lab^*rgb^*_{Ma}$: 0.0 1.0 0.57

triangle lightness t^*







Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.656$ $u^*_d = c00v$ $lab^*icu^*_c$

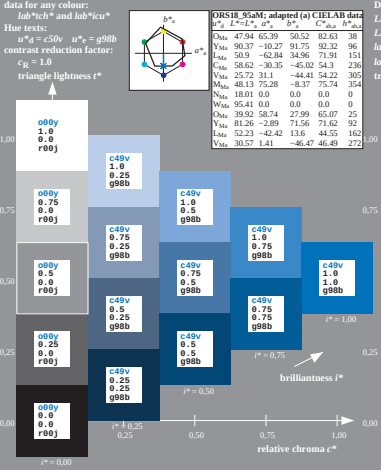
data for any colour: lab^*ich^* and lab^*icu^*

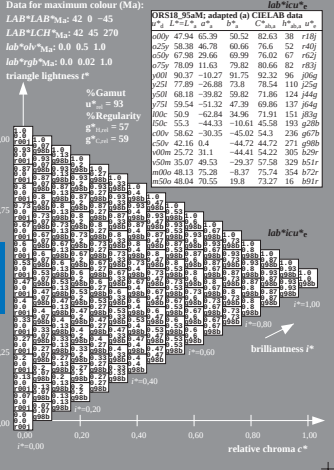
Hue texts: $u^*_d = c00v$ $u^*_e = g67b$

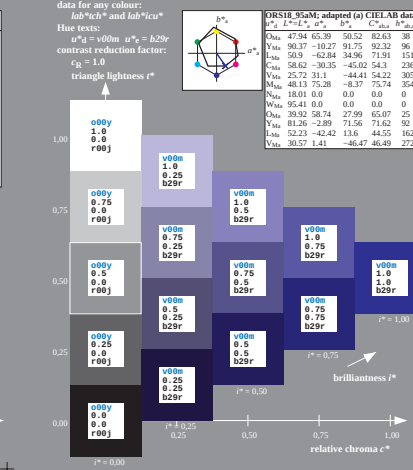
contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 59 −30 −45 $LAB^*LCH^*_{Ma}$: 59 54 236 $lab^*olv^*_{Ma}$: 0.0 1.0 1.0 $lab^*rgb^*_{Ma}$: 0.0 0.65 1.0

triangle lightness t^*







Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.751$ $u^*_d = c50v$ $lab^*icu^*_c$

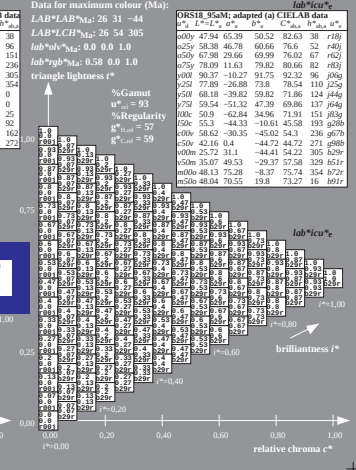
data for any colour: lab^*ich^* and lab^*icu^*

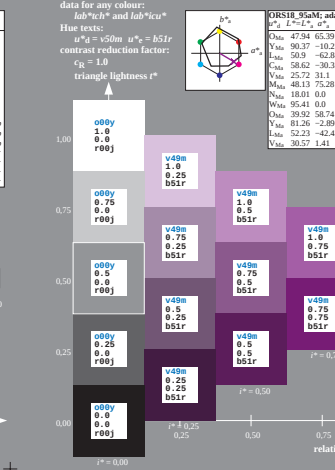
Hue texts: $u^*_d = c50v$ $u^*_e = g98b$

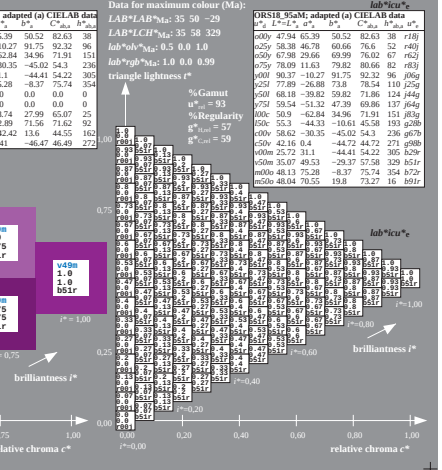
contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 42 0 −45 $LAB^*LCH^*_{Ma}$: 42 45 270 $lab^*olv^*_{Ma}$: 0.0 0.5 1.0 $lab^*rgb^*_{Ma}$: 0.0 0.02 1.0

triangle lightness t^*







Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.847$ $u^*_d = v00m$ $lab^*icu^*_c$

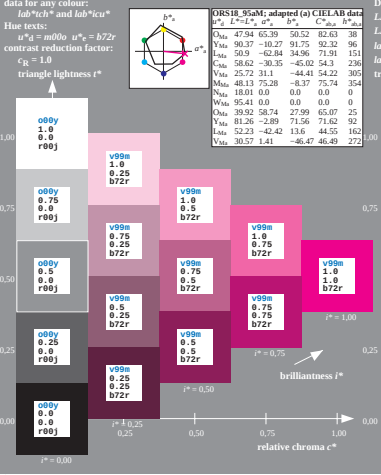
data for any colour: lab^*ich^* and lab^*icu^*

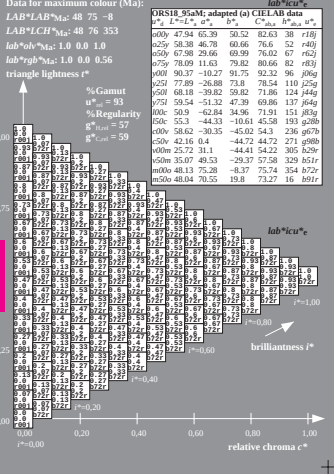
Hue texts: $u^*_d = v00m$ $u^*_e = b29r$

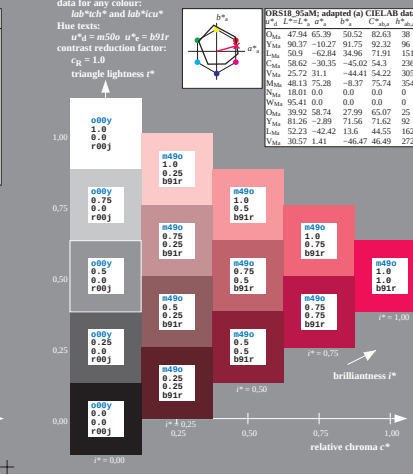
contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 26 31 −44 $LAB^*LCH^*_{Ma}$: 26 54 305 $lab^*olv^*_{Ma}$: 0.0 0.0 1.0 $lab^*rgb^*_{Ma}$: 0.58 0.0 1.0

triangle lightness t^*







Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.915$ $u^*_d = v50m$ $lab^*icu^*_c$

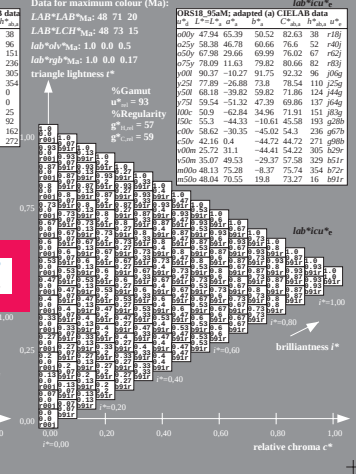
data for any colour: lab^*ich^* and lab^*icu^*

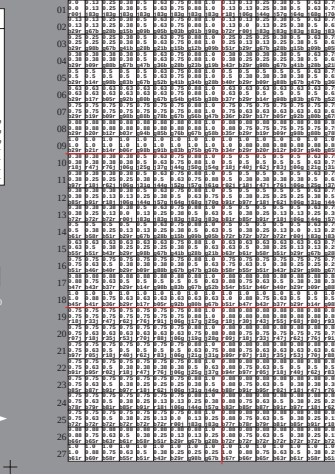
Hue texts: $u^*_d = v50m$ $u^*_e = b51r$

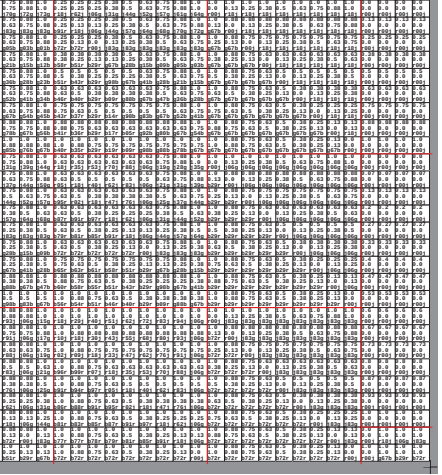
contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 35 50 −29 $LAB^*LCH^*_{Ma}$: 35 58 329 $lab^*olv^*_{Ma}$: 0.5 0.0 1.0 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.99

triangle lightness t^*







Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.982$ $u^*_d = m00o$ $lab^*icu^*_c$

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

Hue texts: $u^*_d = m00o$ $u^*_e = b72r$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 48 75 −8 $LAB^*LCH^*_{Ma}$: 48 76 353 $lab^*olv^*_{Ma}$: 1.0 0.0 1.0 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.56

triangle lightness t^*

Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.044$ $u^*_d = m50o$ $lab^*icu^*_c$

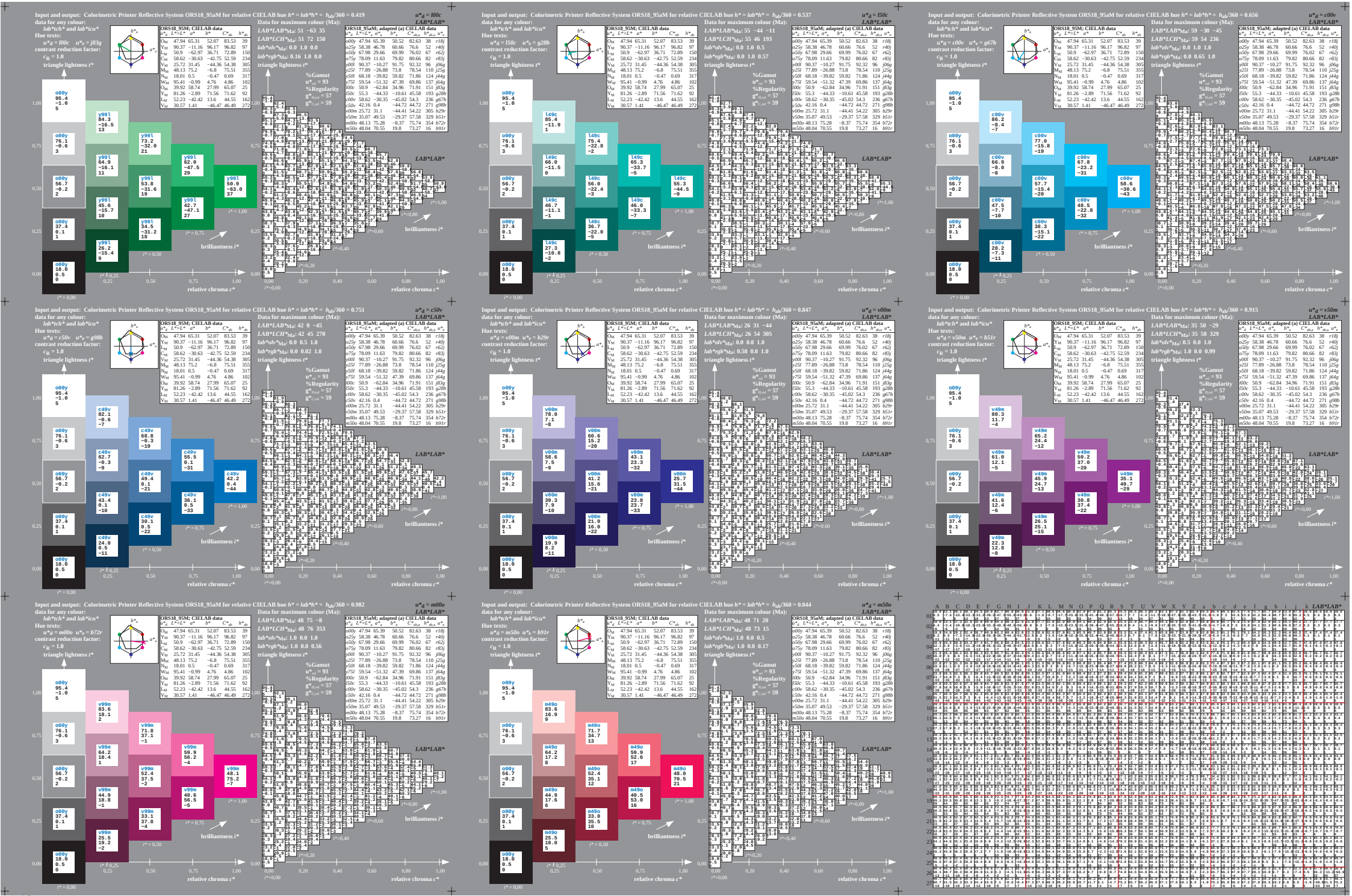
data for any colour: lab^*ich^* and lab^*icu^*

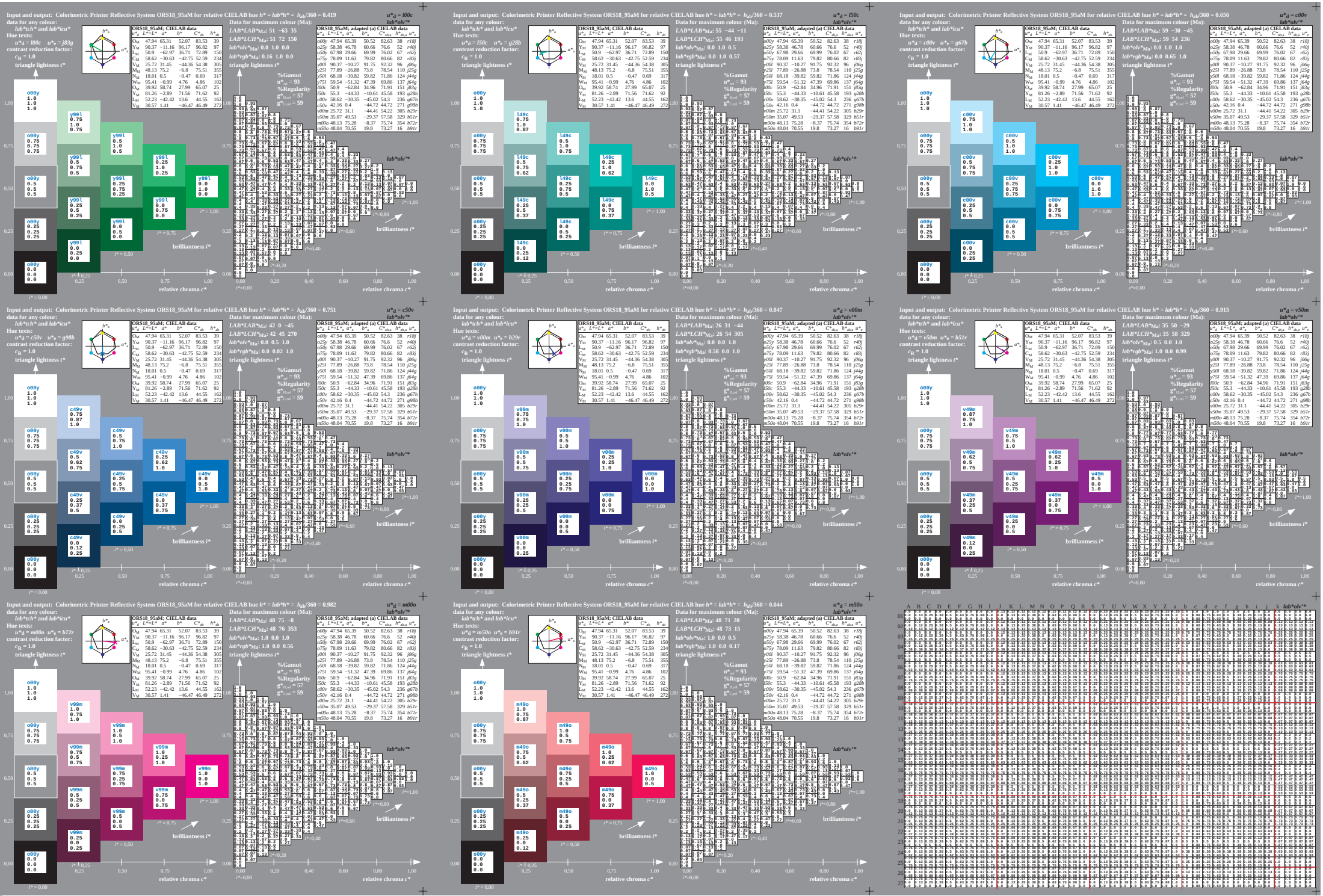
Hue texts: $u^*_d = m50o$ $u^*_e = b91r$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 48 71 20 $LAB^*LCH^*_{Ma}$: 48 73 15 $lab^*olv^*_{Ma}$: 1.0 0.0 0.5 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.17

triangle lightness t^*


Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.419
u*d = l00c
LAB*LAB*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = l00c u*e = j83g
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 51 −63 35
LAB*LCH*Ma: 51 72 150
lab*olv*Ma: 0.0 1.0 0.0
lab*rgb*Ma: 0.16 1.0 0.0
ORS18_95M; CIELAB data
ORS18_95aM; adapted (a) CIELAB data
%Gamut
u*e = 93
%Regularity
g*H,rel = 57
g*C,rel = 59
brilliantness j*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.537
u*d = l50c
LAB*LAB*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = l50c u*e = q28b
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 55 −44 −11
LAB*LCH*Ma: 55 46 193
lab*olv*Ma: 0.0 1.0 0.5
lab*rgb*Ma: 0.0 1.0 0.57
ORS18_95M; CIELAB data
ORS18_95aM; adapted (a) CIELAB data
%Gamut
u*e = 93
%Regularity
g*H,rel = 57
g*C,rel = 59
brilliantness j*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.656
u*d = c00v
LAB*LAB*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = c00v u*e = q67b
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 59 −30 −45
LAB*LCH*Ma: 59 54 236
lab*olv*Ma: 0.0 1.0 1.0
lab*rgb*Ma: 0.0 0.65 1.0
ORS18_95M; CIELAB data
ORS18_95aM; adapted (a) CIELAB data
%Gamut
u*e = 93
%Regularity
g*H,rel = 57
g*C,rel = 59
brilliantness j*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.751
u*d = c50v
LAB*LAB*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = c50v u*e = q98b
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 42 0 −45
LAB*LCH*Ma: 42 45 270
lab*olv*Ma: 0.0 0.5 1.0
lab*rgb*Ma: 0.0 0.02 1.0
ORS18_95M; CIELAB data
ORS18_95aM; adapted (a) CIELAB data
%Gamut
u*e = 93
%Regularity
g*H,rel = 57
g*C,rel = 59
brilliantness j*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.847
u*d = v00m
LAB*LAB*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = v00m u*e = b29r
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 26 31 −44
LAB*LCH*Ma: 26 54 305
lab*olv*Ma: 0.0 0.0 1.0
lab*rgb*Ma: 0.58 0.0 1.0
ORS18_95M; CIELAB data
ORS18_95aM; adapted (a) CIELAB data
%Gamut
u*e = 93
%Regularity
g*H,rel = 57
g*C,rel = 59
brilliantness j*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.915
u*d = v50m
LAB*LAB*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = v50m u*e = b51r
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 35 50 −29
LAB*LCH*Ma: 35 58 329
lab*olv*Ma: 0.5 0.0 1.0
lab*rgb*Ma: 1.0 0.0 0.99
ORS18_95M; CIELAB data
ORS18_95aM; adapted (a) CIELAB data
%Gamut
u*e = 93
%Regularity
g*H,rel = 57
g*C,rel = 59
brilliantness j*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.982
u*d = m00o
LAB*LAB*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = m00o u*e = b72r
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 48 75 −8
LAB*LCH*Ma: 48 76 353
lab*olv*Ma: 1.0 0.0 1.0
lab*rgb*Ma: 1.0 0.0 0.56
ORS18_95M; CIELAB data
ORS18_95aM; adapted (a) CIELAB data
%Gamut
u*e = 93
%Regularity
g*H,rel = 57
g*C,rel = 59
brilliantness j*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.044
u*d = m50o
LAB*LAB*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = m50o u*e = b91r
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 48 71 20
LAB*LCH*Ma: 48 73 15
lab*olv*Ma: 1.0 0.0 0.5
lab*rgb*Ma: 1.0 0.0 0.17
ORS18_95M; CIELAB data
ORS18_95aM; adapted (a) CIELAB data
%Gamut
u*e = 93
%Regularity
g*H,rel = 57
g*C,rel = 59
brilliantness j*
relative chroma c*


Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.419
u*d = l00c
lab*olv'*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*d = l00c u*e = j83g
contrast reduction factor:
cg = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 51 −63 35
LAB*LCH*Ma: 51 72 150
lab*olv'*Ma: 0.0 1.0 0.0
lab*rgb*Ma: 0.16 1.0 0.0
%Gamut
u*= 93
%Regularity
g*H,rel = 57
g*C,rel = 59
ORS18_95aM: CIELAB data
ORS18_95aM: adapted (a) CIELAB data
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.537
u*d = l50c
lab*olv'*
Data for maximum colour (Ma):
LAB*LAB*Ma: 55 −44 −11
LAB*LCH*Ma: 55 46 193
lab*olv'*Ma: 0.0 1.0 0.5
lab*rgb*Ma: 0.0 1.0 0.57
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.656
u*d = c00v
lab*olv'*
Data for maximum colour (Ma):
LAB*LAB*Ma: 59 −30 −45
LAB*LCH*Ma: 59 54 236
lab*olv'*Ma: 0.0 1.0 1.0
lab*rgb*Ma: 0.0 0.65 1.0
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.751
u*d = c50v
lab*olv'*
Data for maximum colour (Ma):
LAB*LAB*Ma: 42 0 −45
LAB*LCH*Ma: 42 45 270
lab*olv'*Ma: 0.0 0.5 1.0
lab*rgb*Ma: 0.0 0.02 1.0
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.847
u*d = v00m
lab*olv'*
Data for maximum colour (Ma):
LAB*LAB*Ma: 26 31 −44
LAB*LCH*Ma: 26 54 305
lab*olv'*Ma: 0.0 0.0 1.0
lab*rgb*Ma: 0.58 0.0 1.0
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.915
u*d = v50m
lab*olv'*
Data for maximum colour (Ma):
LAB*LAB*Ma: 35 50 −29
LAB*LCH*Ma: 35 58 329
lab*olv'*Ma: 0.5 0.0 1.0
lab*rgb*Ma: 1.0 0.0 0.99
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.982
u*d = m00o
lab*olv'*
Data for maximum colour (Ma):
LAB*LAB*Ma: 48 75 −8
LAB*LCH*Ma: 48 76 353
lab*olv'*Ma: 1.0 0.0 1.0
lab*rgb*Ma: 1.0 0.0 0.56
Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue h* = lab*h* = hab/360 = 0.044
u*d = m50o
lab*olv'*
Data for maximum colour (Ma):
LAB*LAB*Ma: 48 71 20
LAB*LCH*Ma: 48 73 15
lab*olv'*Ma: 1.0 0.0 0.5
lab*rgb*Ma: 1.0 0.0 0.17

Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.419$ $u^*_d = l00c$

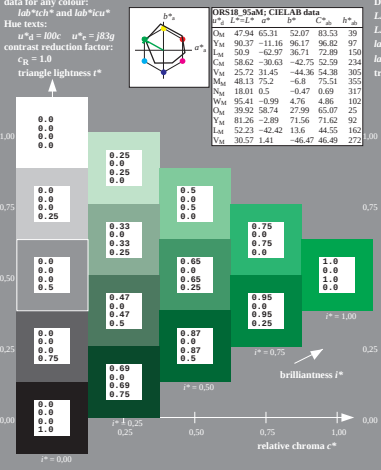
data for any colour: *lab*ch* and lab*icu**

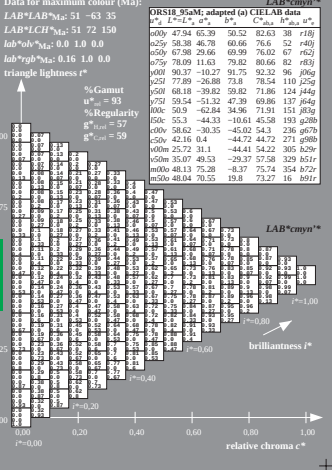
Hue texts: $u^*_d = l00c$ $u^*_e = j83g$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): *LAB*LAB**$_{Ma}$: 51 −63 35 *LAB*LCH**$_{Ma}$: 51 72 150 *lab*ovl**$_{Ma}$: 0.0 1.0 0.0 *lab*rgb**$_{Ma}$: 0.16 1.0 0.0

triangle lightness t^*





ORS18_95aM; CIELAB data

u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	47.94	65.31	52.07	83.53	39
Y_{Ma}	90.37	−11.16	96.17	96.82	97
L_{Ma}	50.9	−62.97	36.71	72.89	150
C_{Ma}	58.62	−30.63	−42.75	52.59	234
V_{Ma}	25.72	31.45	−44.36	54.38	305
M_{Ma}	48.13	75.2	−6.8	75.51	355
N_{Ma}	18.01	0.5	−0.47	0.69	317
W_{Ma}	95.41	−0.99	4.76	4.86	102
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

ORS18_95aM; adapted (a) CIELAB data

u^*_d	L^*_{ab}	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
o00y	47.94	65.39	50.52	82.63	38	r18j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00v	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29v
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r

Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.537$ $u^*_d = l50c$

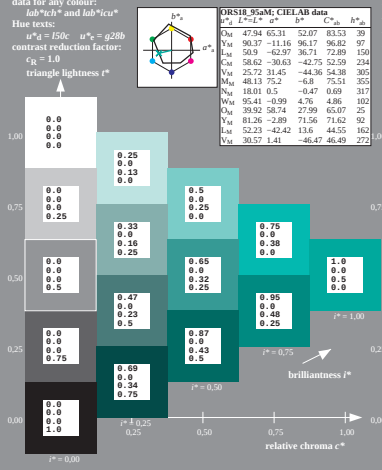
data for any colour: *lab*ch* and lab*icu**

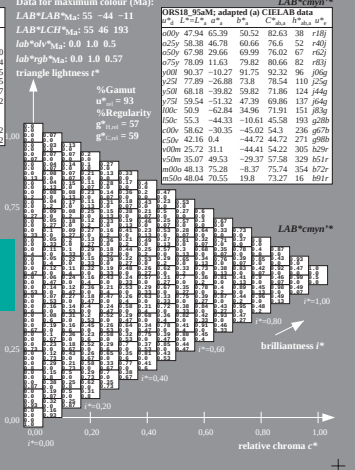
Hue texts: $u^*_d = l50c$ $u^*_e = g28b$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): *LAB*LAB**$_{Ma}$: 55 −44 −11 *LAB*LCH**$_{Ma}$: 55 46 193 *lab*ovl**$_{Ma}$: 0.0 1.0 0.5 *lab*rgb**$_{Ma}$: 0.0 1.0 0.57

triangle lightness t^*





ORS18_95aM; CIELAB data

u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	47.94	65.31	52.07	83.53	39
Y_{Ma}	90.37	−11.16	96.17	96.82	97
L_{Ma}	50.9	−62.97	36.71	72.89	150
C_{Ma}	58.62	−30.63	−42.75	52.59	234
V_{Ma}	25.72	31.45	−44.36	54.38	305
M_{Ma}	48.13	75.2	−6.8	75.51	355
N_{Ma}	18.01	0.5	−0.47	0.69	317
W_{Ma}	95.41	−0.99	4.76	4.86	102
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

ORS18_95aM; adapted (a) CIELAB data

u^*_d	L^*_{ab}	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
o00y	47.94	65.39	50.52	82.63	38	r18j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00v	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29v
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r

Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.656$ $u^*_d = c00v$

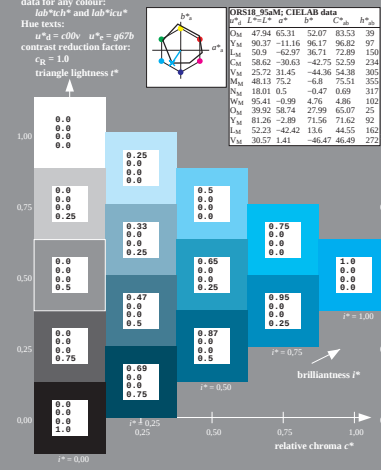
data for any colour: *lab*ch* and lab*icu**

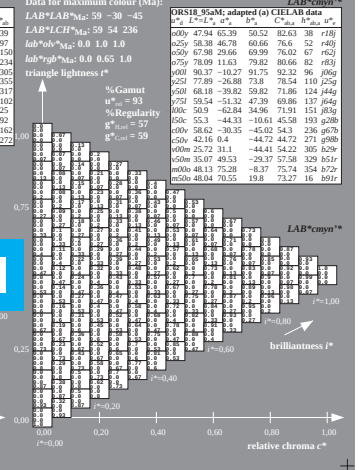
Hue texts: $u^*_d = c00v$ $u^*_e = g67b$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): *LAB*LAB**$_{Ma}$: 59 −30 −45 *LAB*LCH**$_{Ma}$: 59 54 236 *lab*ovl**$_{Ma}$: 0.0 1.0 1.0 *lab*rgb**$_{Ma}$: 0.0 0.65 1.0

triangle lightness t^*





ORS18_95aM; CIELAB data

u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−11.16	96.17	96.82	97
L_{Ma}	50.9	−62.97	36.71	72.89	150
C_{Ma}	58.62	−30.63	−42.75	52.59	234
V_{Ma}	25.72	31.45	−44.36	54.38	305
M_{Ma}	48.13	75.2	−6.8	75.51	355
N_{Ma}	18.01	0.5	−0.47	0.69	317
W_{Ma}	95.41	−0.99	4.76	4.86	102
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

ORS18_95aM; adapted (a) CIELAB data

u^*_d	L^*_{ab}	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
o00y	47.94	65.39	50.52	82.63	38	r18j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00v	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29v
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r

Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.751$ $u^*_d = c50v$

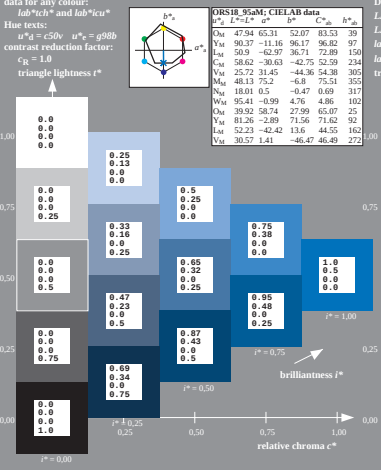
data for any colour: *lab*ch* and lab*icu**

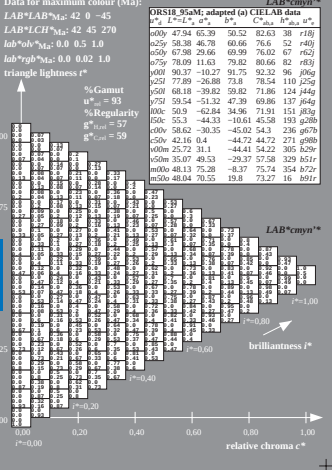
Hue texts: $u^*_d = c50v$ $u^*_e = g98b$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): *LAB*LAB**$_{Ma}$: 42 0 −45 *LAB*LCH**$_{Ma}$: 42 45 270 *lab*ovl**$_{Ma}$: 0.0 0.5 1.0 *lab*rgb**$_{Ma}$: 0.0 0.02 1.0

triangle lightness t^*





ORS18_95aM; CIELAB data

u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	47.94	65.31	52.07	83.53	39
Y_{Ma}	90.37	−11.16	96.17	96.82	97
L_{Ma}	50.9	−62.97	36.71	72.89	150
C_{Ma}	58.62	−30.63	−42.75	52.59	234
V_{Ma}	25.72	31.45	−44.36	54.38	305
M_{Ma}	48.13	75.2	−6.8	75.51	355
N_{Ma}	18.01	0.5	−0.47	0.69	317
W_{Ma}	95.41	−0.99	4.76	4.86	102
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

ORS18_95aM; adapted (a) CIELAB data

u^*_d	L^*_{ab}	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
o00y	47.94	65.39	50.52	82.63	38	r18j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00v	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29v
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r

Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.847$ $u^*_d = v00m$

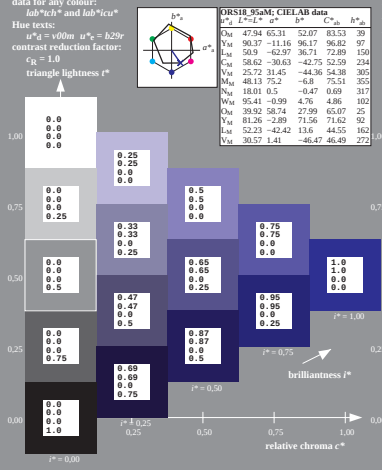
data for any colour: *lab*ch* and lab*icu**

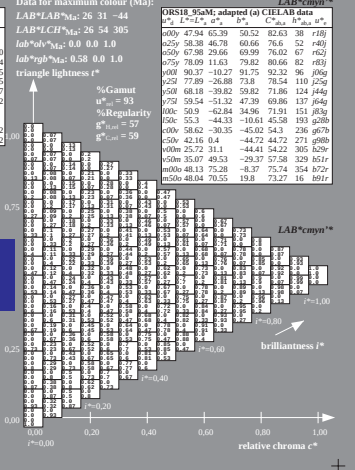
Hue texts: $u^*_d = v00m$ $u^*_e = b29r$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): *LAB*LAB**$_{Ma}$: 26 31 −44 *LAB*LCH**$_{Ma}$: 26 54 305 *lab*ovl**$_{Ma}$: 0.0 0.0 1.0 *lab*rgb**$_{Ma}$: 0.58 0.0 1.0

triangle lightness t^*





ORS18_95aM; CIELAB data

u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	47.94	65.31	52.07	83.53	39
Y_{Ma}	90.37	−11.16	96.17	96.82	97
L_{Ma}	50.9	−62.97	36.71	72.89	150
C_{Ma}	58.62	−30.63	−42.75	52.59	234
V_{Ma}	25.72	31.45	−44.36	54.38	305
M_{Ma}	48.13	75.2	−6.8	75.51	355
N_{Ma}	18.01	0.5	−0.47	0.69	317
W_{Ma}	95.41	−0.99	4.76	4.86	102
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

ORS18_95aM; adapted (a) CIELAB data

u^*_d	L^*_{ab}	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
o00y	47.94	65.39	50.52	82.63	38	r18j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00v	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29v
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r

Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.915$ $u^*_d = v50m$

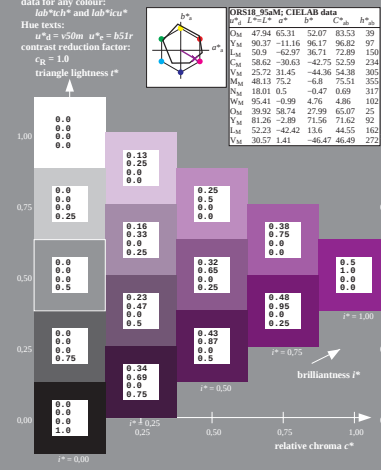
data for any colour: *lab*ch* and lab*icu**

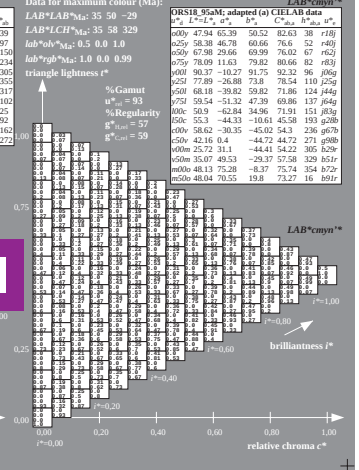
Hue texts: $u^*_d = v50m$ $u^*_e = b51r$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): *LAB*LAB**$_{Ma}$: 35 50 −29 *LAB*LCH**$_{Ma}$: 35 58 329 *lab*ovl**$_{Ma}$: 0.5 0.0 1.0 *lab*rgb**$_{Ma}$: 1.0 0.0 0.99

triangle lightness t^*





ORS18_95aM; CIELAB data

u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	47.94	65.31	52.07	83.53	39
Y_{Ma}	90.37	−11.16	96.17	96.82	97
L_{Ma}	50.9	−62.97	36.71	72.89	150
C_{Ma}	58.62	−30.63	−42.75	52.59	234
V_{Ma}	25.72	31.45	−44.36	54.38	305
M_{Ma}	48.13	75.2	−6.8	75.51	355
N_{Ma}	18.01	0.5	−0.47	0.69	317
W_{Ma}	95.41	−0.99	4.76	4.86	102
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

ORS18_95aM; adapted (a) CIELAB data

u^*_d	L^*_{ab}	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
o00y	47.94	65.39	50.52	82.63	38	r18j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00v	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29v
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r

Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.982$ $u^*_d = m00o$

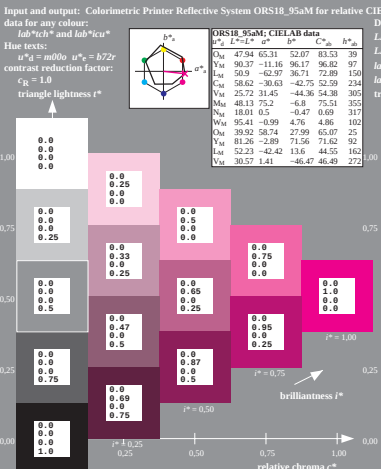
data for any colour: *lab*ch* and lab*icu**

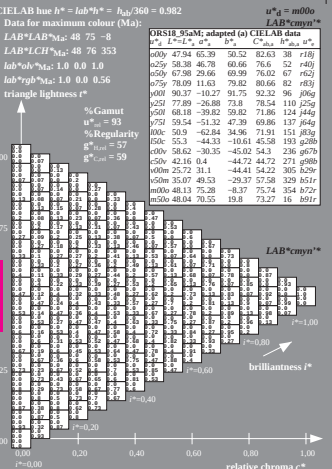
Hue texts: $u^*_d = m00o$ $u^*_e = b72r$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): *LAB*LAB**$_{Ma}$: 48 75 −8 *LAB*LCH**$_{Ma}$: 48 76 353 *lab*ovl**$_{Ma}$: 1.0 0.0 1.0 *lab*rgb**$_{Ma}$: 1.0 0.0 0.56

triangle lightness t^*





ORS18_95aM; CIELAB data

u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	47.94	65.31	52.07	83.53	39
Y_{Ma}	90.37	−11.16	96.17	96.82	97
L_{Ma}	50.9	−62.97	36.71	72.89	150
C_{Ma}	58.62	−30.63	−42.75	52.59	234
V_{Ma}	25.72	31.45	−44.36	54.38	305
M_{Ma}	48.13	75.2	−6.8	75.51	355
N_{Ma}	18.01	0.5	−0.47	0.69	317
W_{Ma}	95.41	−0.99	4.76	4.86	102
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

ORS18_95aM; adapted (a) CIELAB data

u^*_d	L^*_{ab}	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
o00y	47.94	65.39	50.52	82.63	38	r18j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00v	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29v
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r

Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.044$ $u^*_d = m50o$

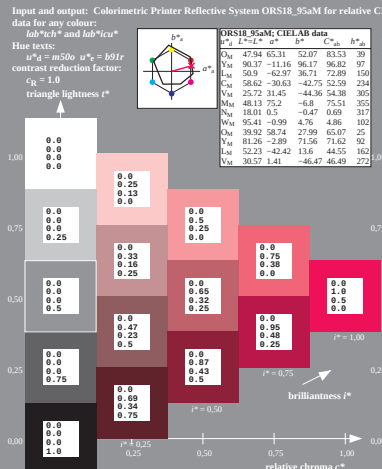
data for any colour: *lab*ch* and lab*icu**

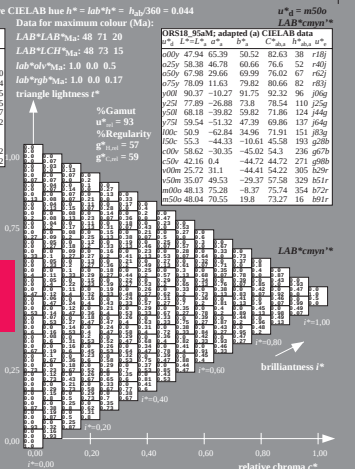
Hue texts: $u^*_d = m50o$ $u^*_e = b91r$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): *LAB*LAB**$_{Ma}$: 48 71 20 *LAB*LCH**$_{Ma}$: 48 73 15 *lab*ovl**$_{Ma}$: 1.0 0.0 0.5 *lab*rgb**$_{Ma}$: 1.0 0.0 0.17

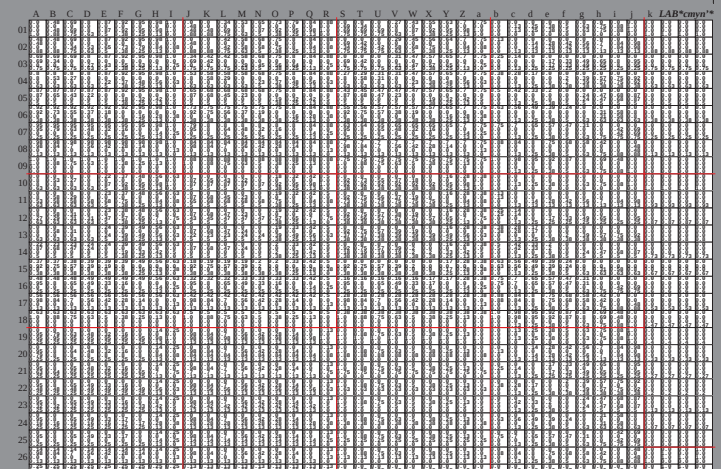
triangle lightness t^*





ORS18_95aM; CIELAB data

u^*_d	L^*_{ab}	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Ma}	47.94	65.31	52.07	83.53	39
Y_{Ma}	90.37	−11.16	96.17	96.82	97
L_{Ma}	50.9	−62.97	36.71	72.89	150
C_{Ma}	58.62	−30.63	−42.75	52.59	234
V_{Ma}	25.72	31.45	−44.36	54.38	305
M_{Ma}	48.13	75.2	−6.8	75.51	355
N_{Ma}	18.01	0.5	−0.47	0.69	317
W_{Ma}	95.41	−0.99	4.76	4.86	102
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

ORS18_95aM; adapted (a) CIELAB data

u^*_d	L^*_{ab}	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
o00y	47.94	65.39	50.52	82.63	38	r18j
o25y	58.38	46.78	60.66	76.6	52	r40j
o50y	67.98	29.66	69.99	76.02	67	r62j
o75y	78.09	11.63	79.82	80.66	82	r83j
y00f	90.37	−10.27	91.75	92.32	96	j06g
y25f	77.89	−26.88	73.8	78.54	110	j25g
y50f	68.118	−39.82	59.82	71.86	124	j44g
y75f	59.54	−51.32	47.39	69.86	137	j64g
l00c	50.9	−62.84	34.96	71.91	151	j83g
l50c	55.3	−44.33	−10.61	45.58	193	g28b
c00v	58.62	−30.35	−45.02	54.3	236	g67b
c50v	42.16	0.4	−44.72	44.72	271	g98b
v00m	25.72	31.1	−44.41	54.22	305	b29v
v50m	35.07	49.53	−29.37	57.58	329	b51r
m00o	48.13	75.28	−8.37	75.74	354	b72r
m50o	48.04	70.55	19.8	73.27	16	b91r