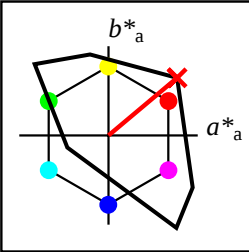


Input and output: Colorimetric Television Luminous System TLS00a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.111$
data for any colour:

lab^*tch^* and lab^*ncu^*
device and elementary
hue text:

$d^* = o00y$ $u^* = r22j$



TLS00a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.91	64.55	100.41	40
Y _{Ma}	92.66	-20.68	90.75	93.08	103
L _{Ma}	83.62	-82.74	79.9	115.02	136
C _{Ma}	86.88	-46.15	-13.54	48.1	196
V _{Ma}	30.39	76.06	-103.6	128.52	306
M _{Ma}	57.31	94.35	-58.4	110.96	328
N _{Ma}	0.01	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

Data for maximum colour (Ma):

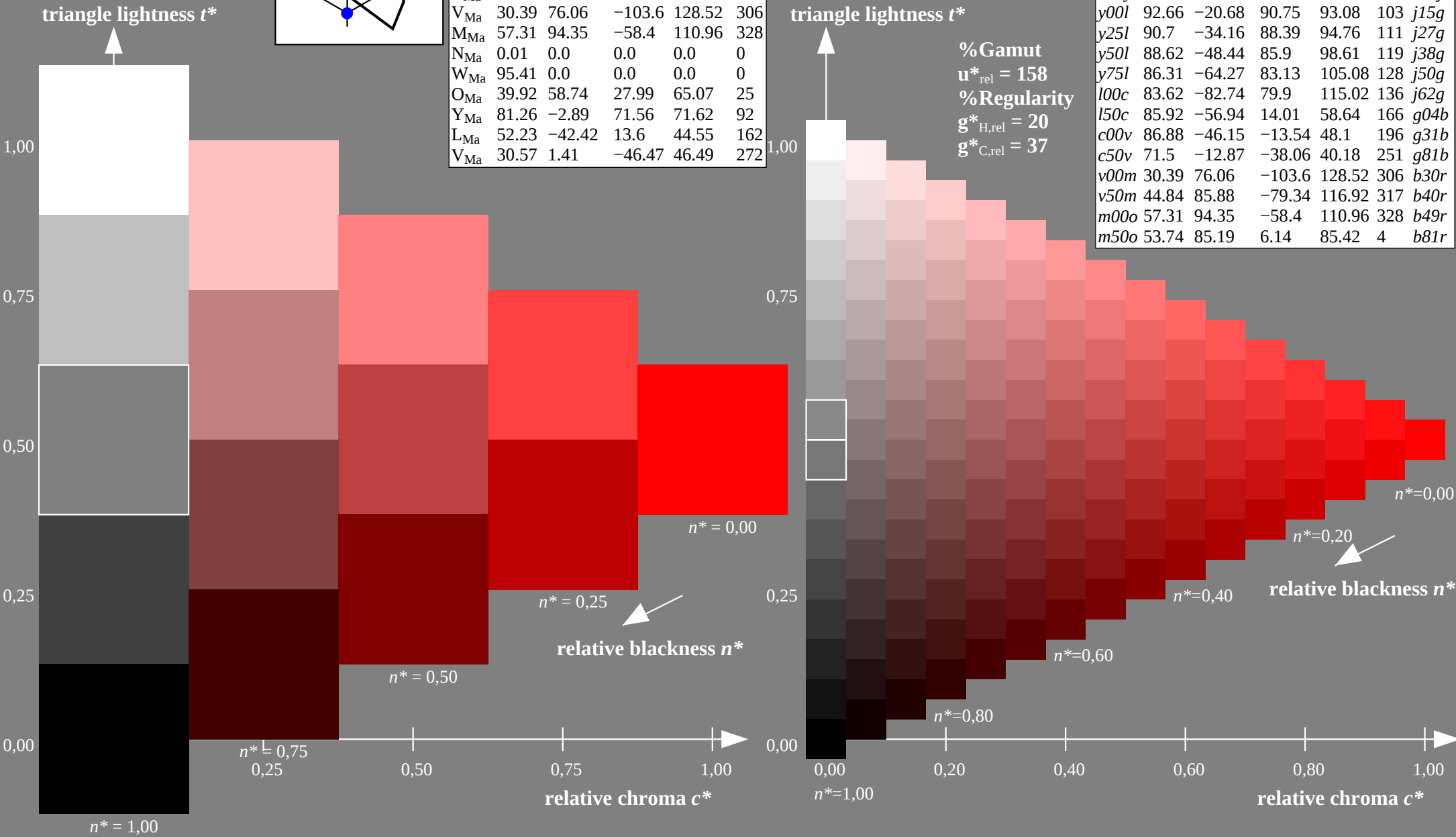
$LAB^*LAB^*_{Ma}$: 51 77 65

$LAB^*LCH^*_{Ma}$: 51 100 40

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

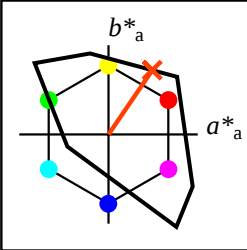
$lab^*rgb^*_{Ma}$: 1.0 0.22 0.0

TLS00a; adapted (a) CIELAB data							
d^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*	
$o00y$	50.5	76.91	64.55	100.41	40	$r22j$	
$o25y$	62.51	49.1	72.02	87.16	56	$r45j$	
$o50y$	72.38	26.27	78.15	82.44	71	$r68j$	
$o75y$	81.91	4.22	84.07	84.17	87	$r91j$	
$y00l$	92.66	-20.68	90.75	93.08	103	$j15g$	
$y25l$	90.7	-34.16	88.39	94.76	111	$j27g$	
$y50l$	88.62	-48.44	85.9	98.61	119	$j38g$	
$y75l$	86.31	-64.27	83.13	105.08	128	$j50g$	
$l00c$	83.62	-82.74	79.9	115.02	136	$j62g$	
$l50c$	85.92	-56.94	14.01	58.64	166	$g04b$	
$c00v$	86.88	-46.15	-13.54	48.1	196	$g31b$	
$c50v$	71.5	-12.87	-38.06	40.18	251	$g81b$	
$v00m$	30.39	76.06	-103.6	128.52	306	$b30r$	
$v50m$	44.84	85.88	-79.34	116.92	317	$b40r$	
$m00o$	57.31	94.35	-58.4	110.96	328	$b49r$	
$m50o$	53.74	85.19	6.14	85.42	4	$b81r$	



Input and output: Colorimetric Television Luminous System TLS00a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.155$
data for any colour:
 lab^*tch^* and lab^*ncu^*
device and elementary
hue text:
 $d^* = o25y$ $u^* = r45j$

$d^* = o25y$



TLS00a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.91	64.55	100.41	40
Y _{Ma}	92.66	-20.68	90.75	93.08	103
L _{Ma}	83.62	-82.74	79.9	115.02	136
C _{Ma}	86.88	-46.15	-13.54	48.1	196
V _{Ma}	30.39	76.06	-103.6	128.52	306
M _{Ma}	57.31	94.35	-58.4	110.96	328
N _{Ma}	0.01	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

Data for maximum colour (Ma):

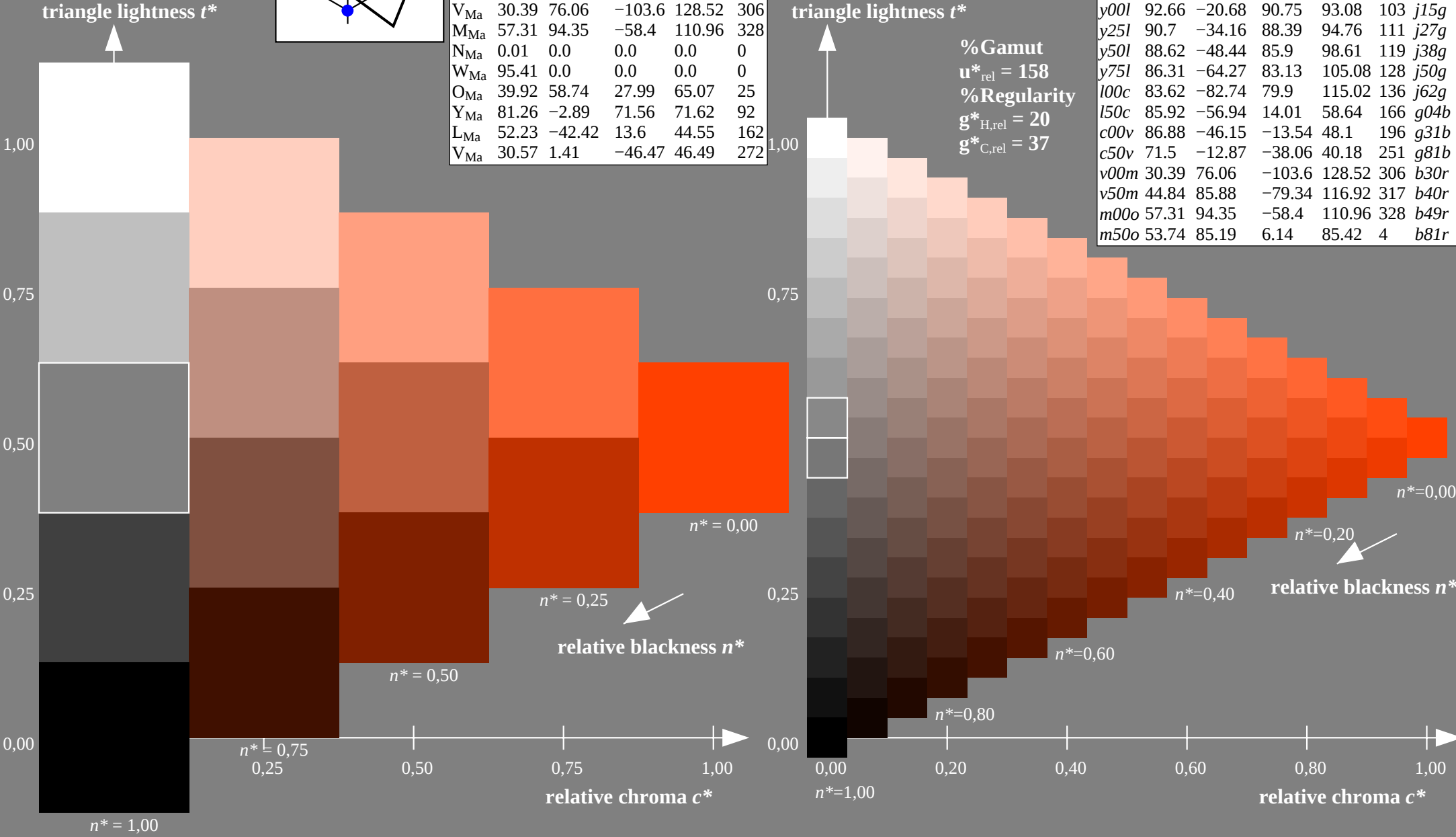
LAB*LAB*Ma: 63 49 72

LAB*LCH*Ma: 63 87 55

lab*olv*Ma: 1.0 0.25 0.0

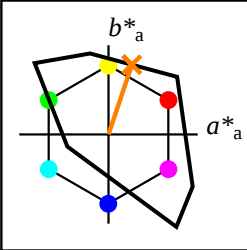
lab*rgb*Ma: 1.0 0.45 0.0

TLS00a; adapted (a) CIELAB data							
d*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*	
o00y	50.5	76.91	64.55	100.41	40	r22j	
o25y	62.51	49.1	72.02	87.16	56	r45j	
o50y	72.38	26.27	78.15	82.44	71	r68j	
o75y	81.91	4.22	84.07	84.17	87	r91j	
y00l	92.66	-20.68	90.75	93.08	103	j15g	
y25l	90.7	-34.16	88.39	94.76	111	j27g	
y50l	88.62	-48.44	85.9	98.61	119	j38g	
y75l	86.31	-64.27	83.13	105.08	128	j50g	
l00c	83.62	-82.74	79.9	115.02	136	j62g	
l50c	85.92	-56.94	14.01	58.64	166	g04b	
c00v	86.88	-46.15	-13.54	48.1	196	g31b	
c50v	71.5	-12.87	-38.06	40.18	251	g81b	
v00m	30.39	76.06	-103.6	128.52	306	b30r	
v50m	44.84	85.88	-79.34	116.92	317	b40r	
m00o	57.31	94.35	-58.4	110.96	328	b49r	
m50o	53.74	85.19	6.14	85.42	4	b81r	



Input and output: Colorimetric Television Luminous System TLS00a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.198$
data for any colour:
 lab^*tch^* and lab^*ncu^*
device and elementary
hue text:
 $d^* = o50y$ $u^* = r68j$

$d^* = o50y$



TLS00a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.91	64.55	100.41	40
Y _{Ma}	92.66	-20.68	90.75	93.08	103
L _{Ma}	83.62	-82.74	79.9	115.02	136
C _{Ma}	86.88	-46.15	-13.54	48.1	196
V _{Ma}	30.39	76.06	-103.6	128.52	306
M _{Ma}	57.31	94.35	-58.4	110.96	328
N _{Ma}	0.01	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

Data for maximum colour (Ma):

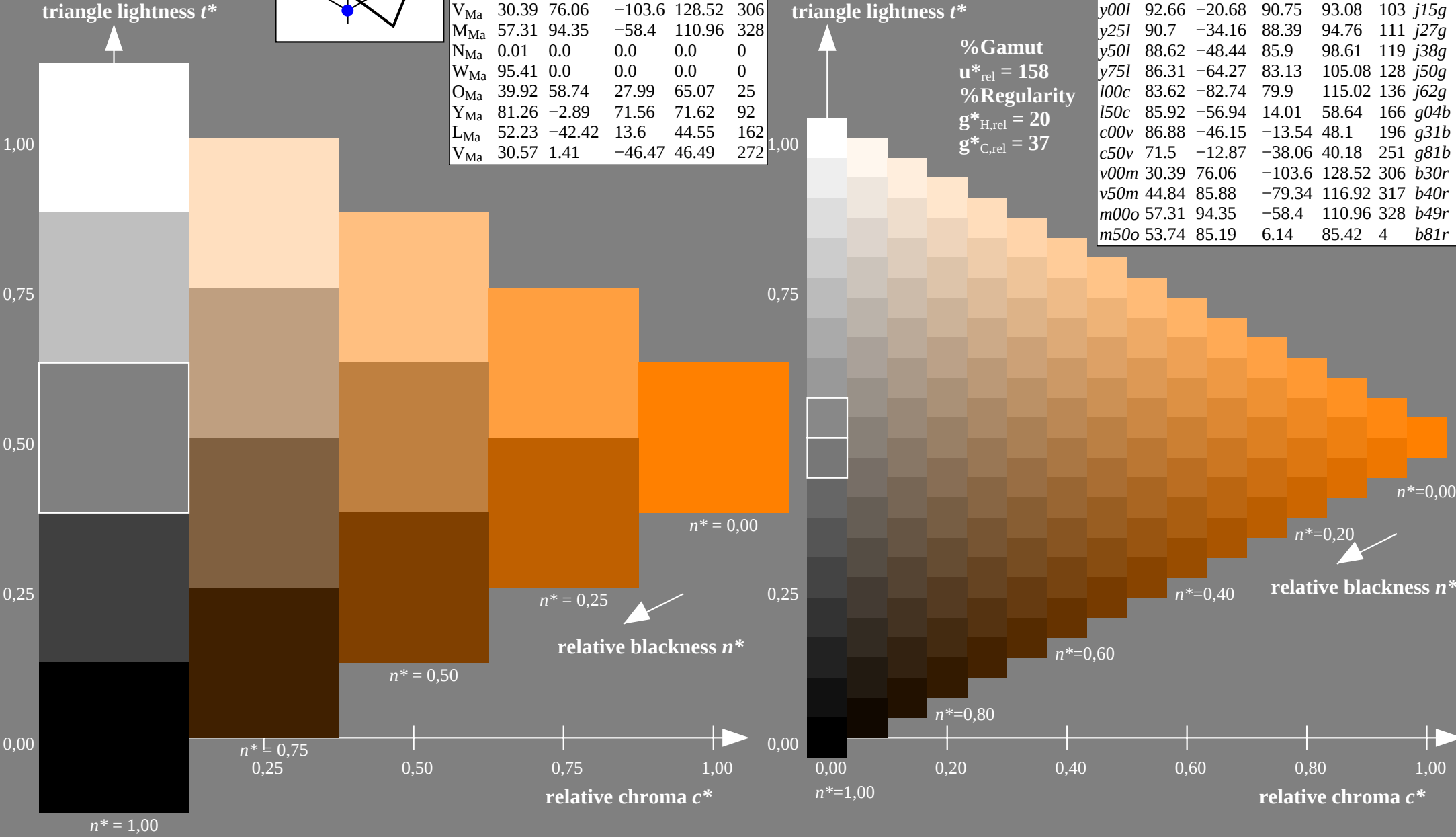
LAB*LAB*Ma: 72 26 78

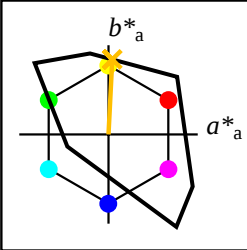
LAB*LCH*Ma: 72 82 71

lab*olv*Ma: 1.0 0.5 0.0

lab*rgb*Ma: 1.0 0.69 0.0

TLS00a; adapted (a) CIELAB data						
d^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*
o00y	50.5	76.91	64.55	100.41	40	r22j
o25y	62.51	49.1	72.02	87.16	56	r45j
o50y	72.38	26.27	78.15	82.44	71	r68j
o75y	81.91	4.22	84.07	84.17	87	r91j
y00l	92.66	-20.68	90.75	93.08	103	j15g
y25l	90.7	-34.16	88.39	94.76	111	j27g
y50l	88.62	-48.44	85.9	98.61	119	j38g
y75l	86.31	-64.27	83.13	105.08	128	j50g
l00c	83.62	-82.74	79.9	115.02	136	j62g
l50c	85.92	-56.94	14.01	58.64	166	g04b
c00v	86.88	-46.15	-13.54	48.1	196	g31b
c50v	71.5	-12.87	-38.06	40.18	251	g81b
v00m	30.39	76.06	-103.6	128.52	306	b30r
v50m	44.84	85.88	-79.34	116.92	317	b40r
m00o	57.31	94.35	-58.4	110.96	328	b49r
m50o	53.74	85.19	6.14	85.42	4	b81r





TLS00a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.91	64.55	100.41	40
Y _{Ma}	92.66	-20.68	90.75	93.08	103
L _{Ma}	83.62	-82.74	79.9	115.02	136
C _{Ma}	86.88	-46.15	-13.54	48.1	196
V _{Ma}	30.39	76.06	-103.6	128.52	306
M _{Ma}	57.31	94.35	-58.4	110.96	328
N _{Ma}	0.01	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

Data for maximum colour (Ma):

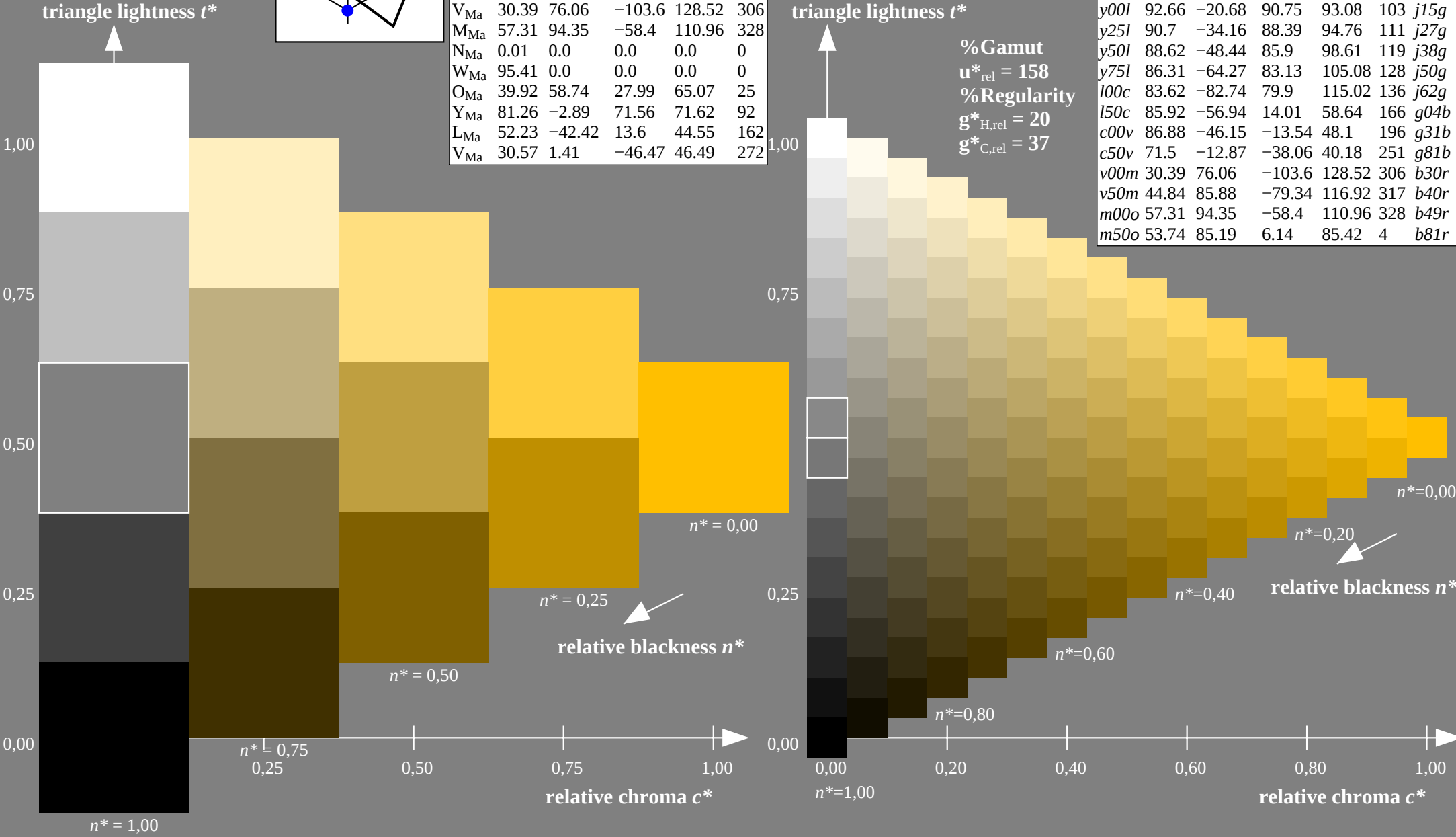
LAB*LAB*Ma: 82 4 84

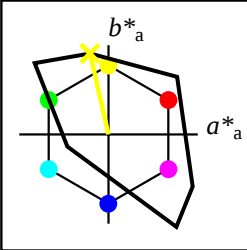
LAB*LCH*Ma: 82 84 87

lab*olv*Ma: 1.0 0.75 0.0

lab*rgb*Ma: 1.0 0.92 0.0

TLS00a; adapted (a) CIELAB data							
d^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*	
o00y	50.5	76.91	64.55	100.41	40	r22j	
o25y	62.51	49.1	72.02	87.16	56	r45j	
o50y	72.38	26.27	78.15	82.44	71	r68j	
o75y	81.91	4.22	84.07	84.17	87	r91j	
y00l	92.66	-20.68	90.75	93.08	103	j15g	
y25l	90.7	-34.16	88.39	94.76	111	j27g	
y50l	88.62	-48.44	85.9	98.61	119	j38g	
y75l	86.31	-64.27	83.13	105.08	128	j50g	
l00c	83.62	-82.74	79.9	115.02	136	j62g	
l50c	85.92	-56.94	14.01	58.64	166	g04b	
c00v	86.88	-46.15	-13.54	48.1	196	g31b	
c50v	71.5	-12.87	-38.06	40.18	251	g81b	
v00m	30.39	76.06	-103.6	128.52	306	b30r	
v50m	44.84	85.88	-79.34	116.92	317	b40r	
m00o	57.31	94.35	-58.4	110.96	328	b49r	
m50o	53.74	85.19	6.14	85.42	4	b81r	





TLS00a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.91	64.55	100.41	40
Y _{Ma}	92.66	-20.68	90.75	93.08	103
L _{Ma}	83.62	-82.74	79.9	115.02	136
C _{Ma}	86.88	-46.15	-13.54	48.1	196
V _{Ma}	30.39	76.06	-103.6	128.52	306
M _{Ma}	57.31	94.35	-58.4	110.96	328
N _{Ma}	0.01	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

Data for maximum colour (Ma):

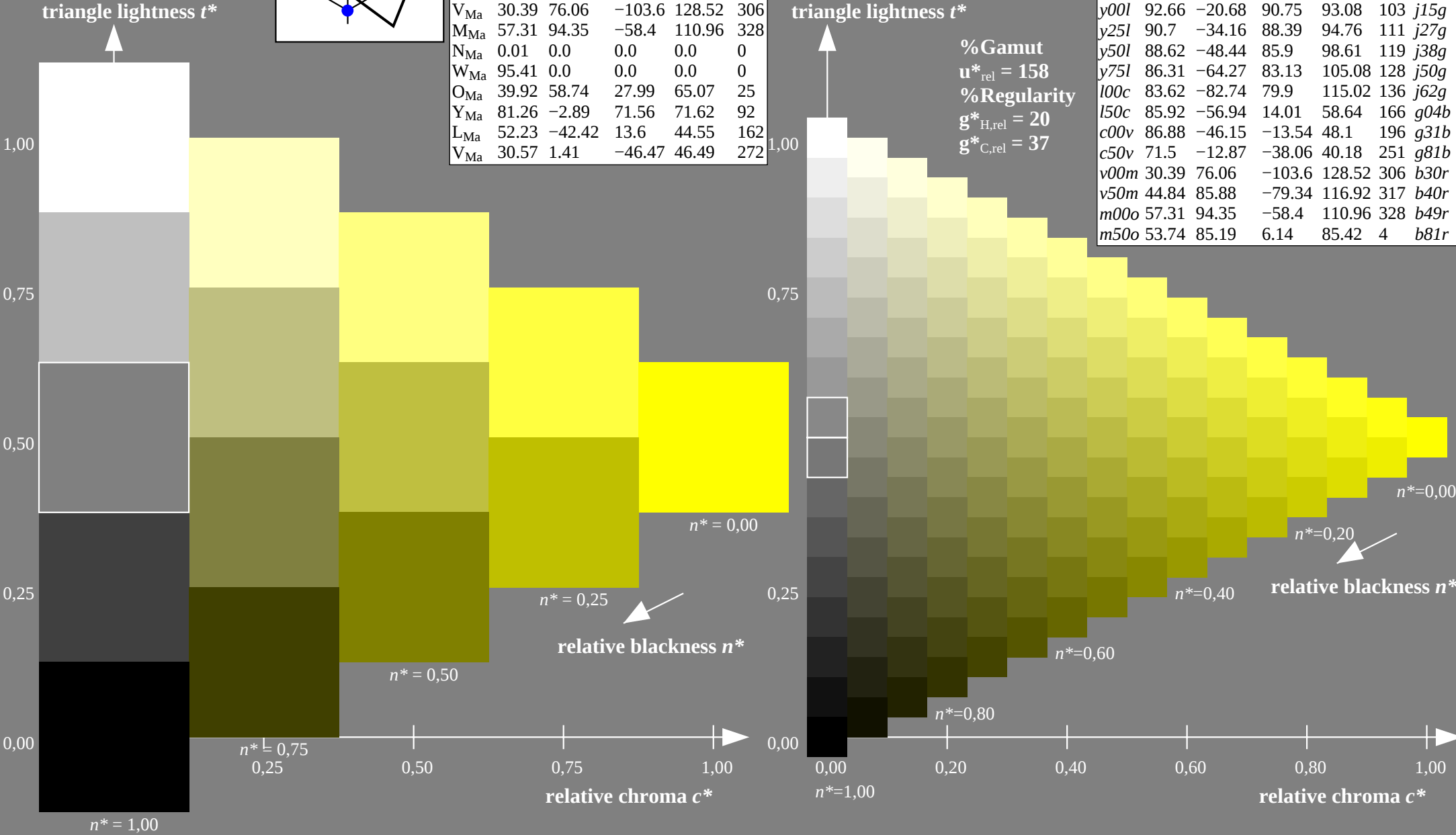
LAB*LAB*Ma: 93 -21 91

LAB*LCH*Ma: 93 93 102

lab*olv*Ma: 1.0 1.0 0.0

lab*rgb*Ma: 0.85 1.0 0.0

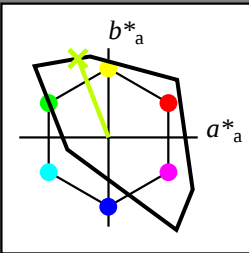
TLS00a; adapted (a) CIELAB data						
d*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*
o00y	50.5	76.91	64.55	100.41	40	r22j
o25y	62.51	49.1	72.02	87.16	56	r45j
o50y	72.38	26.27	78.15	82.44	71	r68j
o75y	81.91	4.22	84.07	84.17	87	r91j
y00l	92.66	-20.68	90.75	93.08	103	j15g
y25l	90.7	-34.16	88.39	94.76	111	j27g
y50l	88.62	-48.44	85.9	98.61	119	j38g
y75l	86.31	-64.27	83.13	105.08	128	j50g
l00c	83.62	-82.74	79.9	115.02	136	j62g
l50c	85.92	-56.94	14.01	58.64	166	g04b
c00v	86.88	-46.15	-13.54	48.1	196	g31b
c50v	71.5	-12.87	-38.06	40.18	251	g81b
v00m	30.39	76.06	-103.6	128.52	306	b30r
v50m	44.84	85.88	-79.34	116.92	317	b40r
m00o	57.31	94.35	-58.4	110.96	328	b49r
m50o	53.74	85.19	6.14	85.42	4	b81r



data for any colour:

lab^*tch^* and lab^*ncu^*
device and elementary
hue text:

$d^* = y25l$ $u^* = j27g$

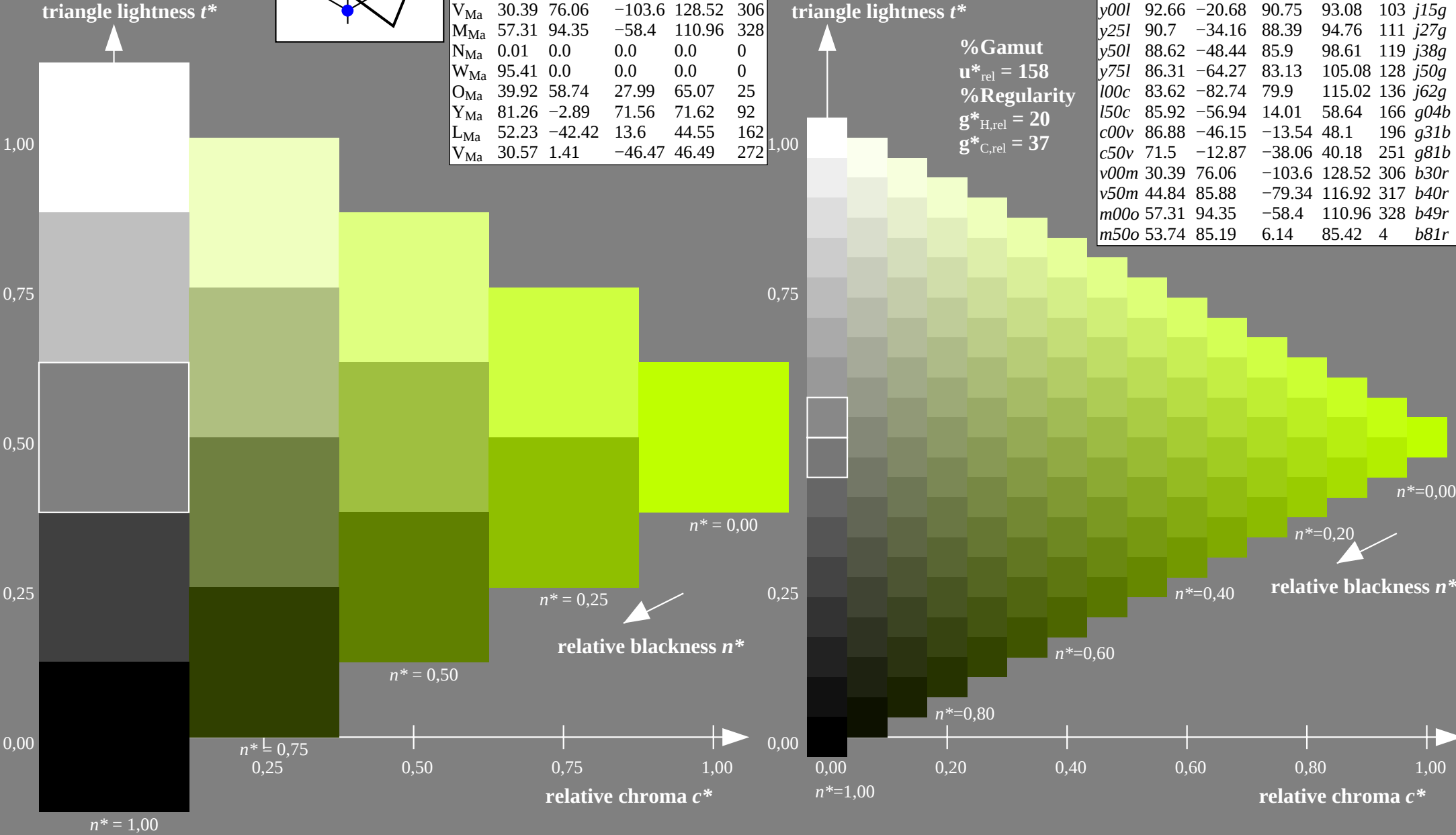


TLS00a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.91	64.55	100.41	40
Y _{Ma}	92.66	-20.68	90.75	93.08	103
L _{Ma}	83.62	-82.74	79.9	115.02	136
C _{Ma}	86.88	-46.15	-13.54	48.1	196
V _{Ma}	30.39	76.06	-103.6	128.52	306
M _{Ma}	57.31	94.35	-58.4	110.96	328
N _{Ma}	0.01	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

Data for maximum colour (Ma):

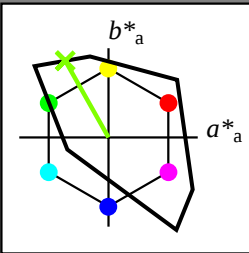
$LAB^*LAB^*_{Ma}$: 91 -34 88
 $LAB^*LCH^*_{Ma}$: 91 95 111
 $lab^*olv^*_{Ma}$: 0.75 1.0 0.0
 $lab^*rgb^*_{Ma}$: 0.73 1.0 0.0

TLS00a; adapted (a) CIELAB data						
d^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*
o00y	50.5	76.91	64.55	100.41	40	r22j
o25y	62.51	49.1	72.02	87.16	56	r45j
o50y	72.38	26.27	78.15	82.44	71	r68j
o75y	81.91	4.22	84.07	84.17	87	r91j
y00l	92.66	-20.68	90.75	93.08	103	j15g
y25l	90.7	-34.16	88.39	94.76	111	j27g
y50l	88.62	-48.44	85.9	98.61	119	j38g
y75l	86.31	-64.27	83.13	105.08	128	j50g
l00c	83.62	-82.74	79.9	115.02	136	j62g
l50c	85.92	-56.94	14.01	58.64	166	g04b
c00v	86.88	-46.15	-13.54	48.1	196	g31b
c50v	71.5	-12.87	-38.06	40.18	251	g81b
v00m	30.39	76.06	-103.6	128.52	306	b30r
v50m	44.84	85.88	-79.34	116.92	317	b40r
m00o	57.31	94.35	-58.4	110.96	328	b49r
m50o	53.74	85.19	6.14	85.42	4	b81r



data for any colour:

lab^*tch^* and lab^*ncu^*
device and elementary
hue text:
 $d^* = y50l$ $u^* = j38g$

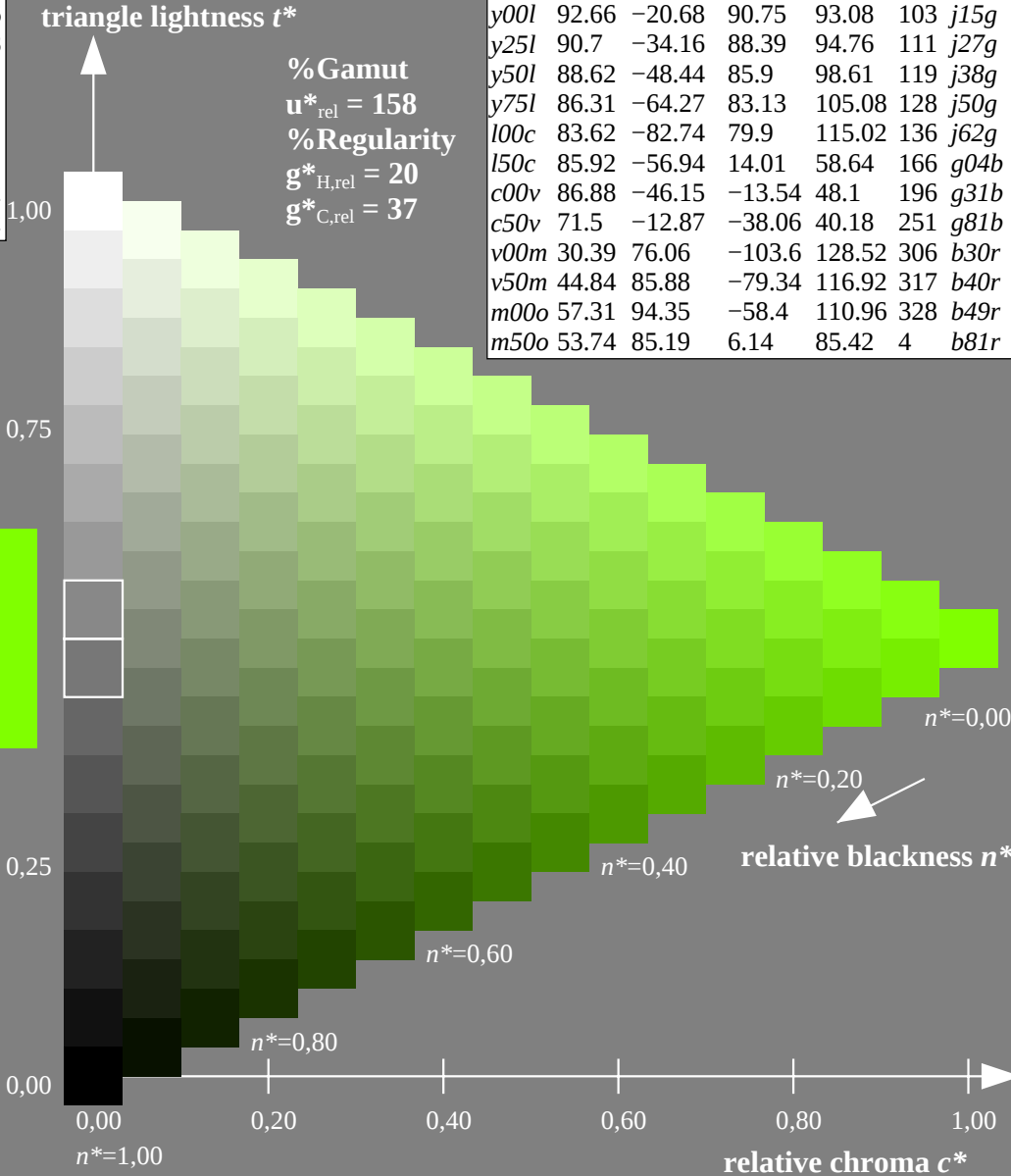
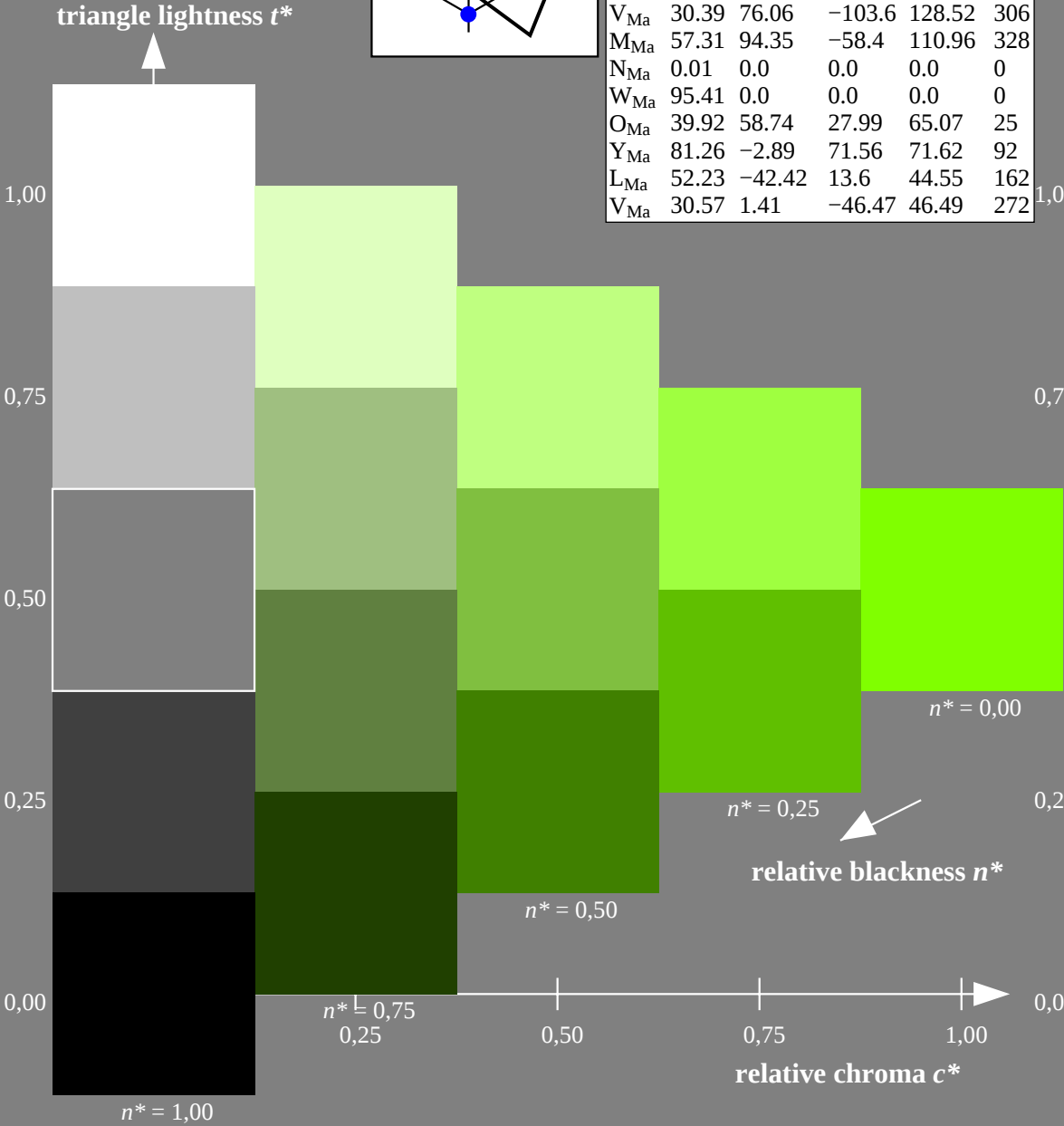


TLS00a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.91	64.55	100.41	40
Y _{Ma}	92.66	-20.68	90.75	93.08	103
L _{Ma}	83.62	-82.74	79.9	115.02	136
C _{Ma}	86.88	-46.15	-13.54	48.1	196
V _{Ma}	30.39	76.06	-103.6	128.52	306
M _{Ma}	57.31	94.35	-58.4	110.96	328
N _{Ma}	0.01	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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 89 -48 86
 $LAB^*LCH^*_{Ma}$: 89 99 119
 $lab^*olv^*_{Ma}$: 0.5 1.0 0.0
 $lab^*rgb^*_{Ma}$: 0.61 1.0 0.0

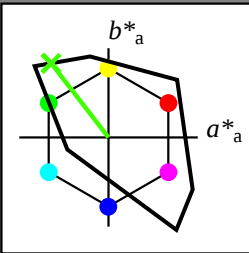
TLS00a; adapted (a) CIELAB data							
d^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*	
o00y	50.5	76.91	64.55	100.41	40	r22j	
o25y	62.51	49.1	72.02	87.16	56	r45j	
o50y	72.38	26.27	78.15	82.44	71	r68j	
o75y	81.91	4.22	84.07	84.17	87	r91j	
y00l	92.66	-20.68	90.75	93.08	103	j15g	
y25l	90.7	-34.16	88.39	94.76	111	j27g	
y50l	88.62	-48.44	85.9	98.61	119	j38g	
y75l	86.31	-64.27	83.13	105.08	128	j50g	
l00c	83.62	-82.74	79.9	115.02	136	j62g	
l50c	85.92	-56.94	14.01	58.64	166	g04b	
c00v	86.88	-46.15	-13.54	48.1	196	g31b	
c50v	71.5	-12.87	-38.06	40.18	251	g81b	
v00m	30.39	76.06	-103.6	128.52	306	b30r	
v50m	44.84	85.88	-79.34	116.92	317	b40r	
m00o	57.31	94.35	-58.4	110.96	328	b49r	
m50o	53.74	85.19	6.14	85.42	4	b81r	



data for any colour:

lab^*tch^* and lab^*ncu^*
device and elementary
hue text:

$d^* = y75l$ $u^* = j50g$

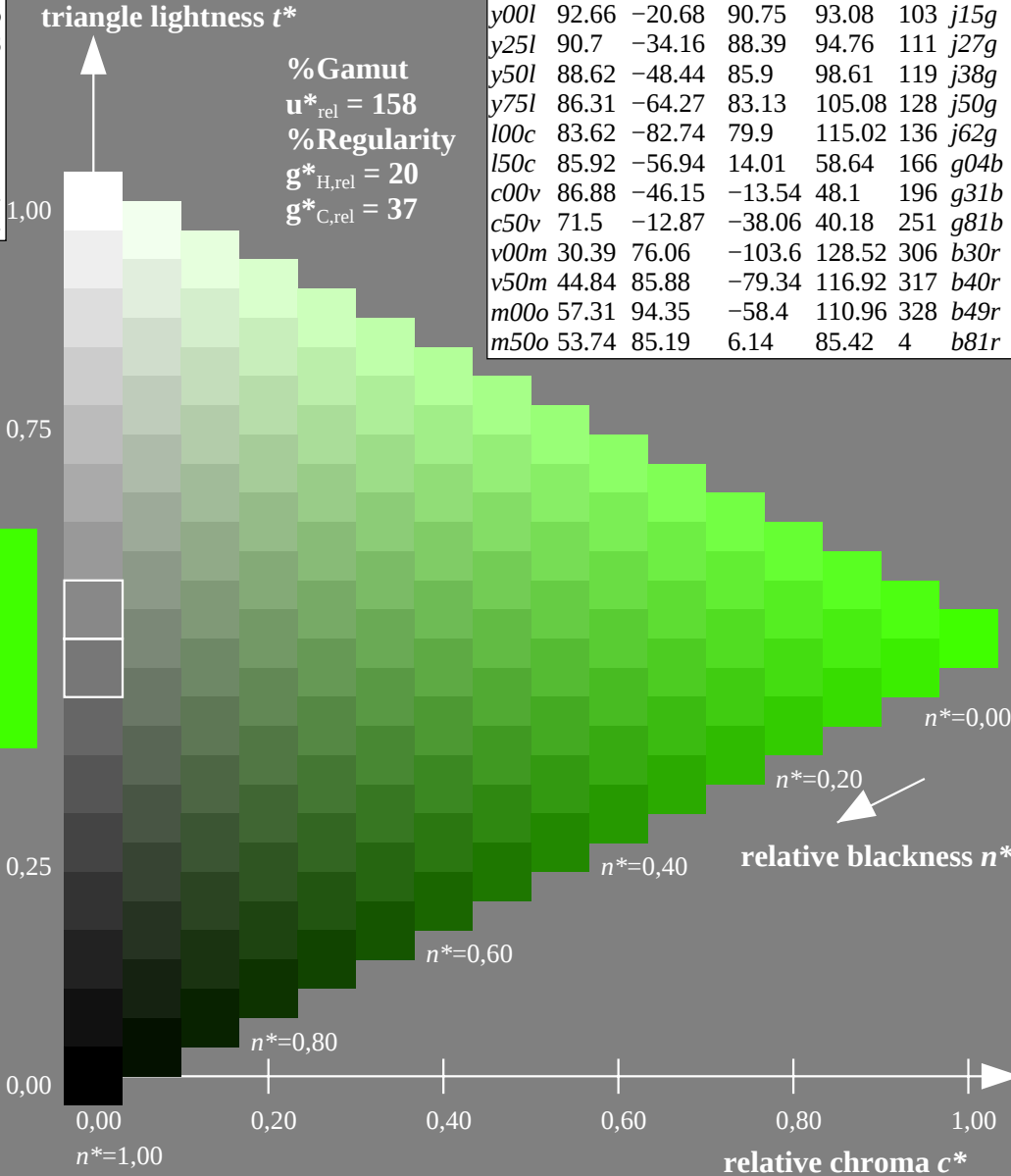
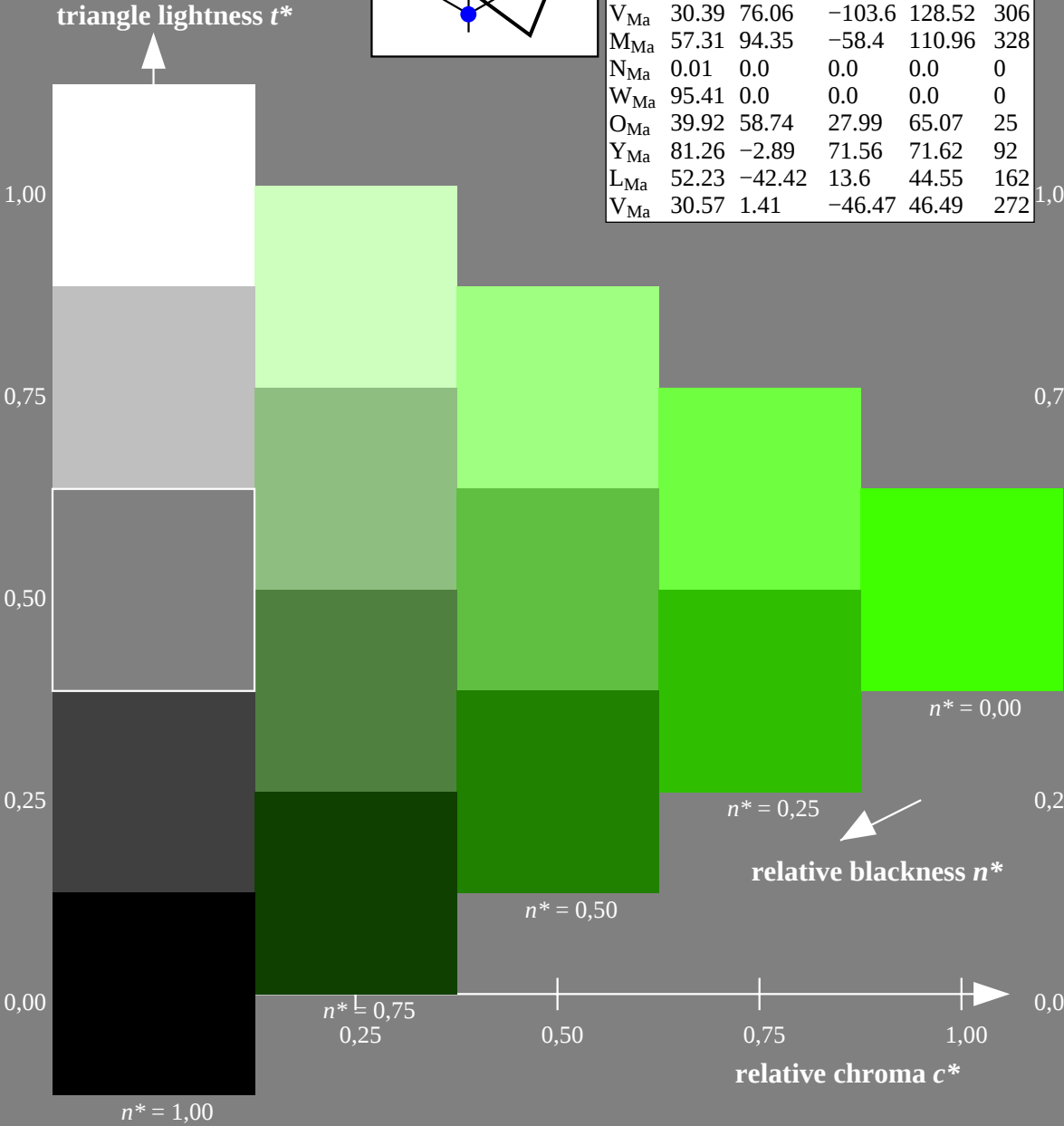


TLS00a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.91	64.55	100.41	40
Y _{Ma}	92.66	-20.68	90.75	93.08	103
L _{Ma}	83.62	-82.74	79.9	115.02	136
C _{Ma}	86.88	-46.15	-13.54	48.1	196
V _{Ma}	30.39	76.06	-103.6	128.52	306
M _{Ma}	57.31	94.35	-58.4	110.96	328
N _{Ma}	0.01	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

Data for maximum colour (Ma):

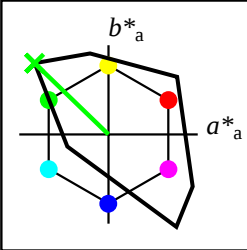
$LAB^*LAB^*_{Ma}$: 86 -64 83
 $LAB^*LCH^*_{Ma}$: 86 105 127
 $lab^*olv^*_{Ma}$: 0.25 1.0 0.0
 $lab^*rgb^*_{Ma}$: 0.49 1.0 0.0

TLS00a; adapted (a) CIELAB data							
d^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*	
o00y	50.5	76.91	64.55	100.41	40		r22j
o25y	62.51	49.1	72.02	87.16	56		r45j
o50y	72.38	26.27	78.15	82.44	71		r68j
o75y	81.91	4.22	84.07	84.17	87		r91j
y00l	92.66	-20.68	90.75	93.08	103		j15g
y25l	90.7	-34.16	88.39	94.76	111		j27g
y50l	88.62	-48.44	85.9	98.61	119		j38g
y75l	86.31	-64.27	83.13	105.08	128		j50g
l00c	83.62	-82.74	79.9	115.02	136		j62g
l50c	85.92	-56.94	14.01	58.64	166		g04b
c00v	86.88	-46.15	-13.54	48.1	196		g31b
c50v	71.5	-12.87	-38.06	40.18	251		g81b
v00m	30.39	76.06	-103.6	128.52	306		b30r
v50m	44.84	85.88	-79.34	116.92	317		b40r
m00o	57.31	94.35	-58.4	110.96	328		b49r
m50o	53.74	85.19	6.14	85.42	4		b81r



Input and output: Colorimetric Television Luminous System TLS00a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.378$
data for any colour:
 lab^*tch^* and lab^*ncu^*
device and elementary
hue text:
 $d^* = l00c$ $u^* = j62g$

$d^* = l00c$



TLS00a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.91	64.55	100.41	40
Y _{Ma}	92.66	-20.68	90.75	93.08	103
L _{Ma}	83.62	-82.74	79.9	115.02	136
C _{Ma}	86.88	-46.15	-13.54	48.1	196
V _{Ma}	30.39	76.06	-103.6	128.52	306
M _{Ma}	57.31	94.35	-58.4	110.96	328
N _{Ma}	0.01	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

Data for maximum colour (Ma):

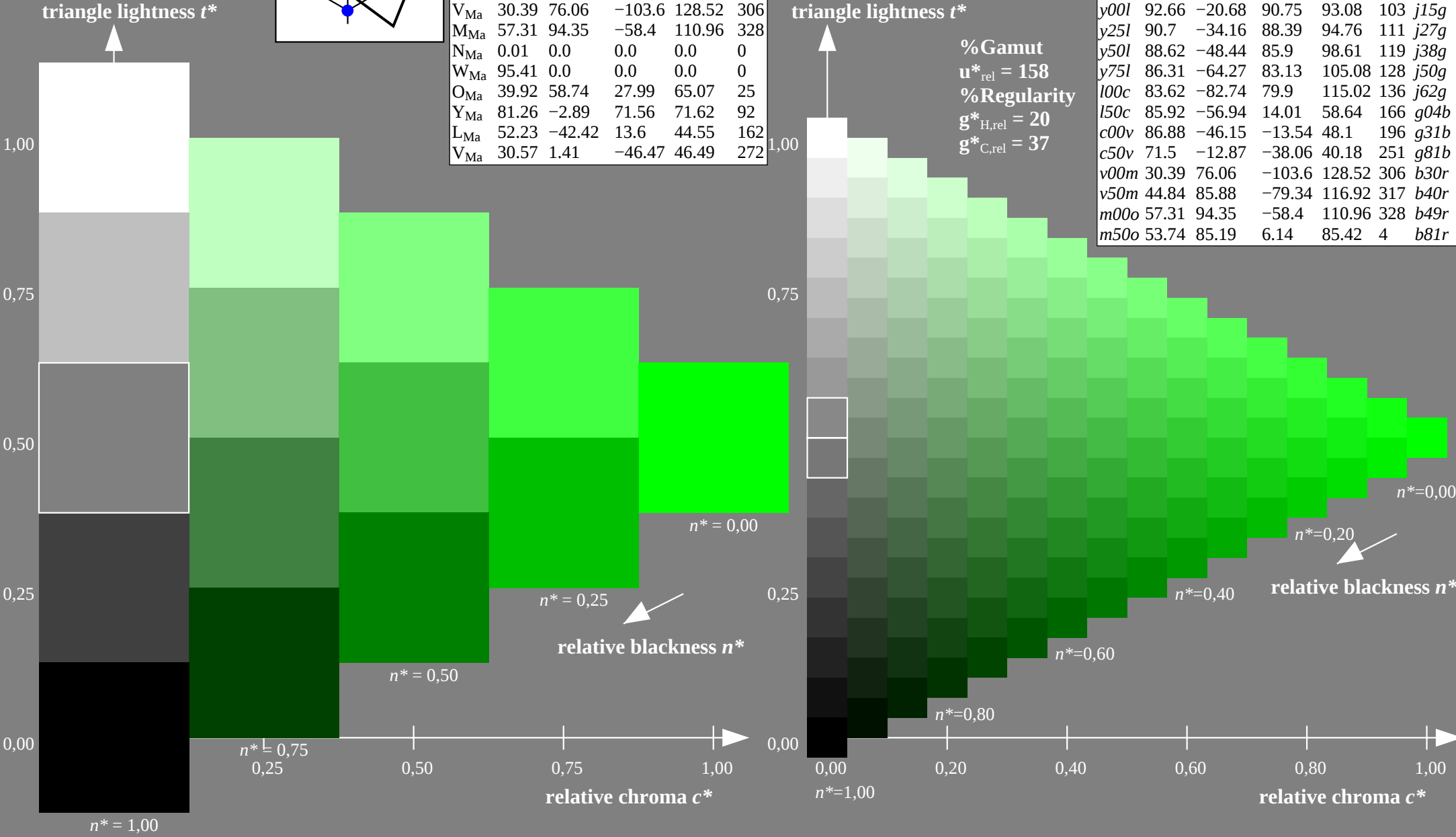
LAB*LAB*Ma: 84 -83 80

LAB*LCH*Ma: 84 115 136

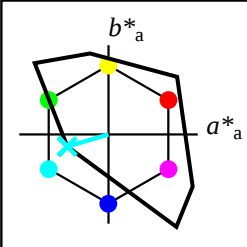
lab*olv*Ma: 0.0 1.0 0.0

lab*rgb*Ma: 0.38 1.0 0.0

TLS00a; adapted (a) CIELAB data							
d^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*	
o00y	50.5	76.91	64.55	100.41	40	r22j	
o25y	62.51	49.1	72.02	87.16	56	r45j	
o50y	72.38	26.27	78.15	82.44	71	r68j	
o75y	81.91	4.22	84.07	84.17	87	r91j	
y00l	92.66	-20.68	90.75	93.08	103	j15g	
y25l	90.7	-34.16	88.39	94.76	111	j27g	
y50l	88.62	-48.44	85.9	98.61	119	j38g	
y75l	86.31	-64.27	83.13	105.08	128	j50g	
l00c	83.62	-82.74	79.9	115.02	136	j62g	
l50c	85.92	-56.94	14.01	58.64	166	g04b	
c00v	86.88	-46.15	-13.54	48.1	196	g31b	
c50v	71.5	-12.87	-38.06	40.18	251	g81b	
v00m	30.39	76.06	-103.6	128.52	306	b30r	
v50m	44.84	85.88	-79.34	116.92	317	b40r	
m00o	57.31	94.35	-58.4	110.96	328	b49r	
m50o	53.74	85.19	6.14	85.42	4	b81r	

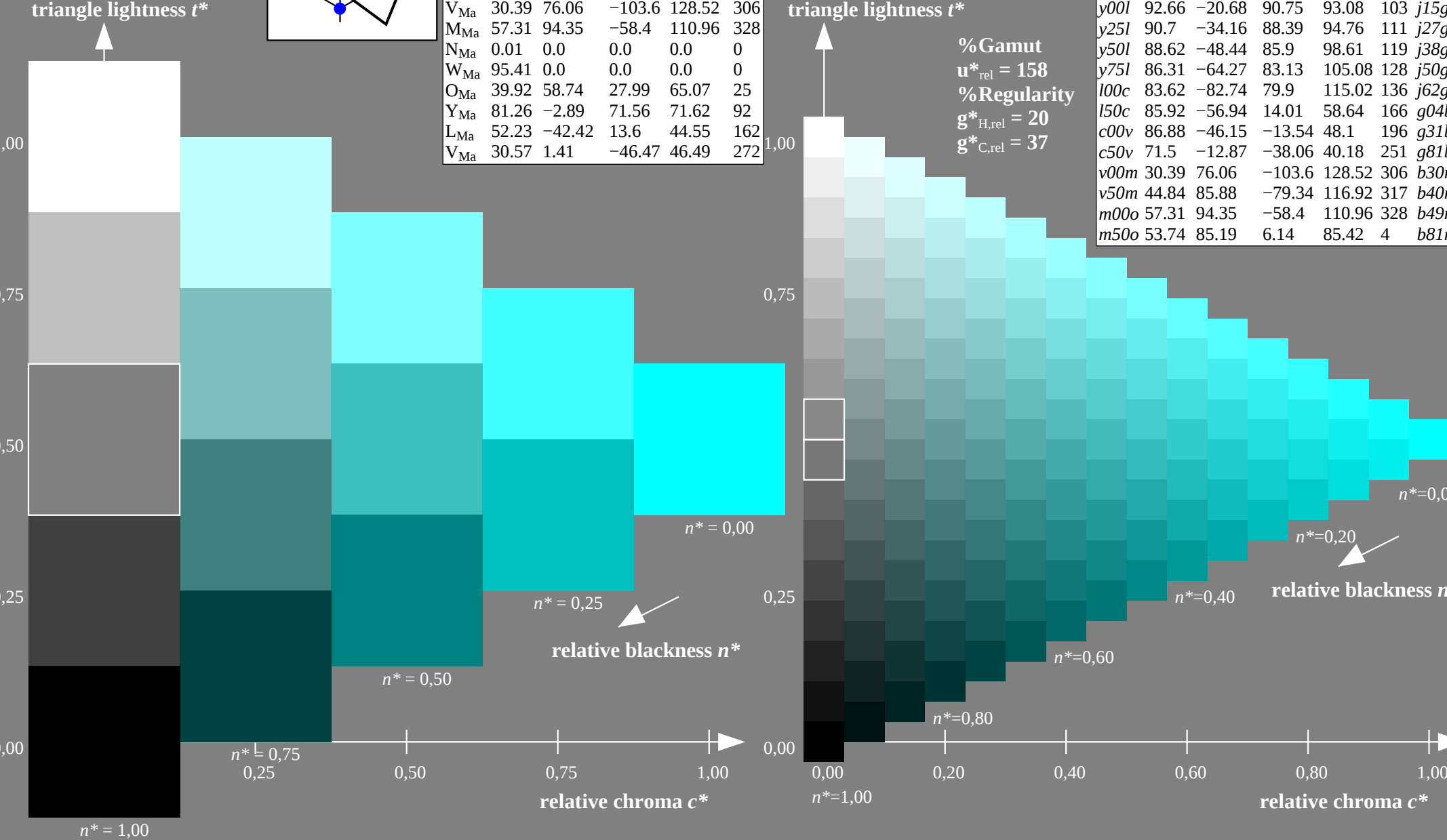


Input and output: Colorimetric Television Luminous System TLS00a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.545$
data for any colour:
 lab^*tch^* and lab^*ncu^*
device and elementary
hue text:
 $d^* = c00v$ $u^* = g31b$



TLS00a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.91	64.55	100.41	40
Y _{Ma}	92.66	-20.68	90.75	93.08	103
L _{Ma}	83.62	-82.74	79.9	115.02	136
C _{Ma}	86.88	-46.15	-13.54	48.1	196
V _{Ma}	30.39	76.06	-103.6	128.52	306
M _{Ma}	57.31	94.35	-58.4	110.96	328
N _{Ma}	0.01	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

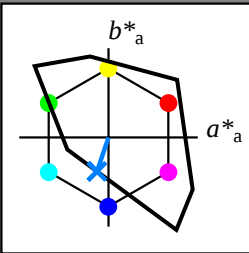
Data for maximum colour (Ma):
 $LAB^*LAB^*_{Ma}$: 87 -46 -14
 $LAB^*LCH^*_{Ma}$: 87 48 196
 $lab^*olv^*_{Ma}$: 0.0 1.0 1.0
 $lab^*rgb^*_{Ma}$: 0.0 1.0 0.62



data for any colour:

lab^*tch^* and lab^*ncu^*
device and elementary
hue text:

$d^* = c50v$ $u^* = g81b$



TLS00a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.91	64.55	100.41	40
Y _{Ma}	92.66	-20.68	90.75	93.08	103
L _{Ma}	83.62	-82.74	79.9	115.02	136
C _{Ma}	86.88	-46.15	-13.54	48.1	196
V _{Ma}	30.39	76.06	-103.6	128.52	306
M _{Ma}	57.31	94.35	-58.4	110.96	328
N _{Ma}	0.01	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

Data for maximum colour (Ma):

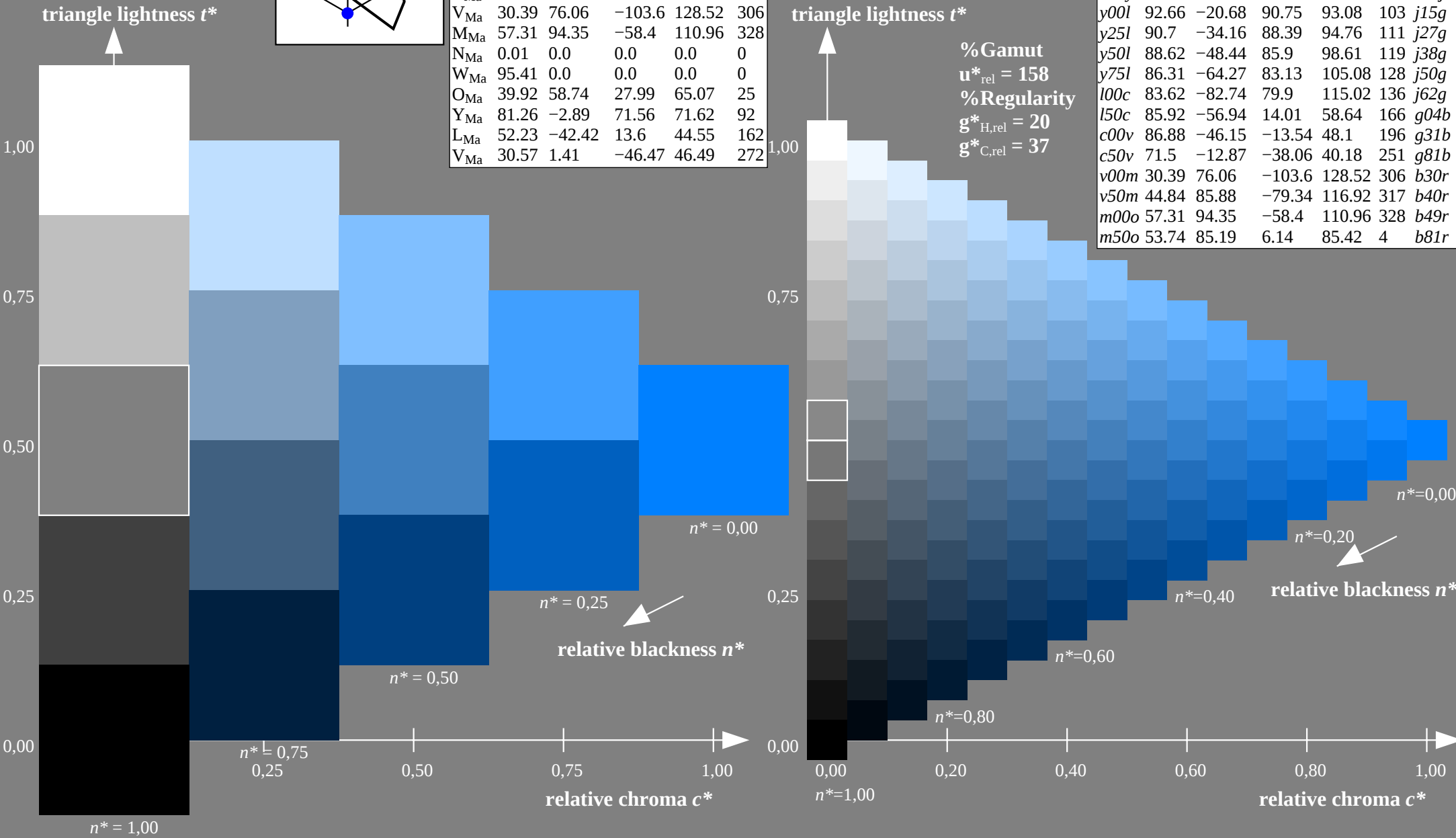
$LAB^*LAB^*_{Ma}$: 71 -13 -38

$LAB^*LCH^*_{Ma}$: 71 40 251

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

$lab^*rgb^*_{Ma}$: 0.0 0.37 1.0

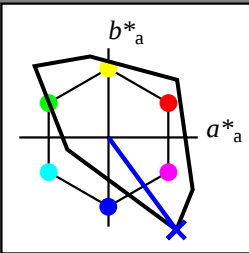
TLS00a; adapted (a) CIELAB data							
d^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*	
o00y	50.5	76.91	64.55	100.41	40	r22j	
o25y	62.51	49.1	72.02	87.16	56	r45j	
o50y	72.38	26.27	78.15	82.44	71	r68j	
o75y	81.91	4.22	84.07	84.17	87	r91j	
y00l	92.66	-20.68	90.75	93.08	103	j15g	
y25l	90.7	-34.16	88.39	94.76	111	j27g	
y50l	88.62	-48.44	85.9	98.61	119	j38g	
y75l	86.31	-64.27	83.13	105.08	128	j50g	
l00c	83.62	-82.74	79.9	115.02	136	j62g	
l50c	85.92	-56.94	14.01	58.64	166	g04b	
c00v	86.88	-46.15	-13.54	48.1	196	g31b	
c50v	71.5	-12.87	-38.06	40.18	251	g81b	
v00m	30.39	76.06	-103.6	128.52	306	b30r	
v50m	44.84	85.88	-79.34	116.92	317	b40r	
m00o	57.31	94.35	-58.4	110.96	328	b49r	
m50o	53.74	85.19	6.14	85.42	4	b81r	



data for any colour:

lab^*tch^* and lab^*ncu^*
device and elementary
hue text:

$d^* = v00m \quad u^* = b30r$

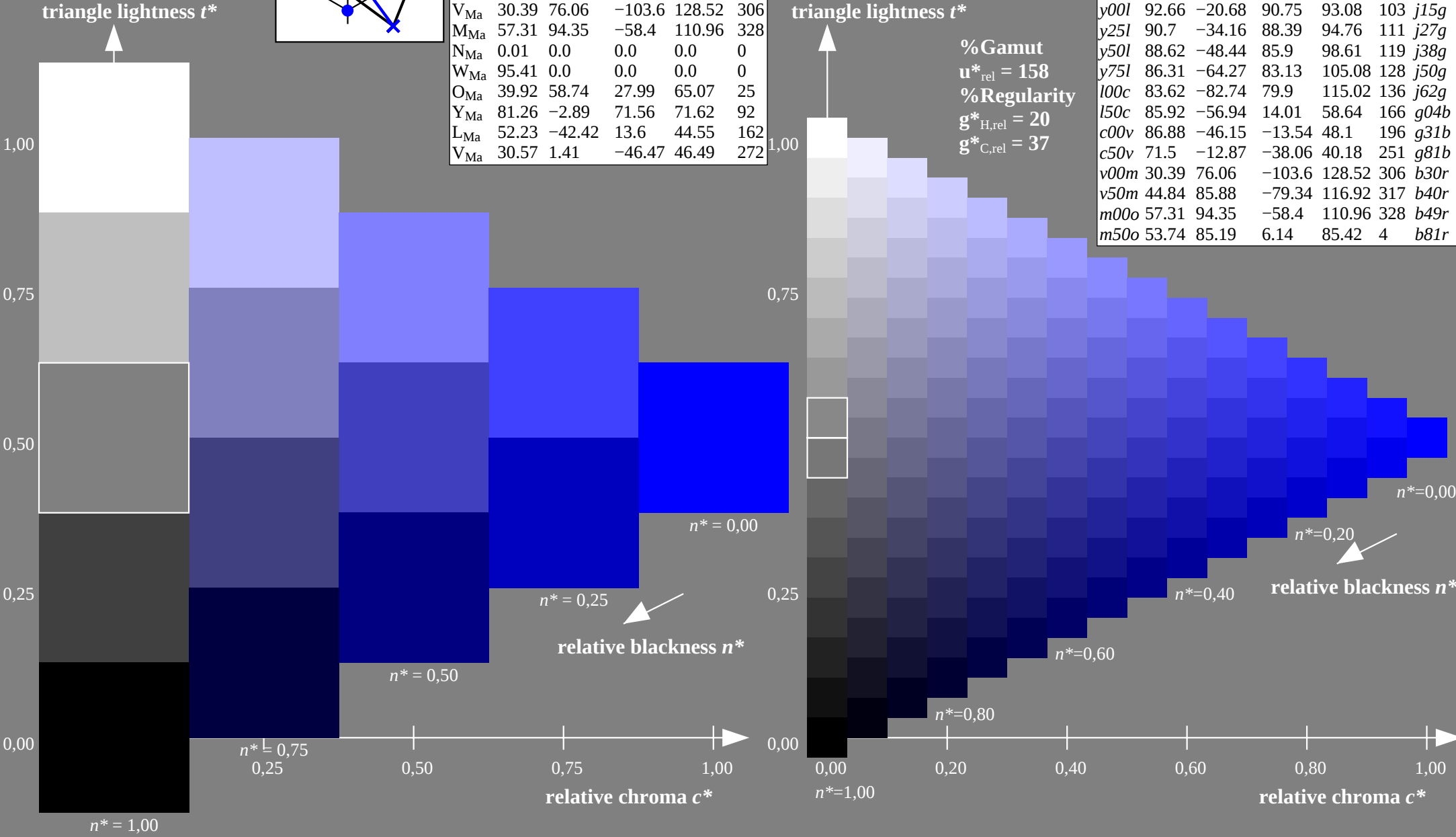


TLS00a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.91	64.55	100.41	40
Y _{Ma}	92.66	-20.68	90.75	93.08	103
L _{Ma}	83.62	-82.74	79.9	115.02	136
C _{Ma}	86.88	-46.15	-13.54	48.1	196
V _{Ma}	30.39	76.06	-103.6	128.52	306
M _{Ma}	57.31	94.35	-58.4	110.96	328
N _{Ma}	0.01	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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 30 76 -104
 $LAB^*LCH^*_{Ma}$: 30 129 306
 $lab^*olv^*_{Ma}$: 0.0 0.0 1.0
 $lab^*rgb^*_{Ma}$: 0.61 0.0 1.0

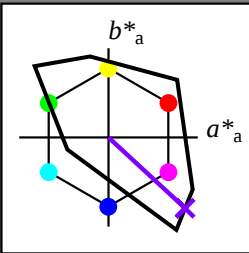
TLS00a; adapted (a) CIELAB data							
d^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*	
o00y	50.5	76.91	64.55	100.41	40	r22j	
o25y	62.51	49.1	72.02	87.16	56	r45j	
o50y	72.38	26.27	78.15	82.44	71	r68j	
o75y	81.91	4.22	84.07	84.17	87	r91j	
y00l	92.66	-20.68	90.75	93.08	103	j15g	
y25l	90.7	-34.16	88.39	94.76	111	j27g	
y50l	88.62	-48.44	85.9	98.61	119	j38g	
y75l	86.31	-64.27	83.13	105.08	128	j50g	
l00c	83.62	-82.74	79.9	115.02	136	j62g	
l50c	85.92	-56.94	14.01	58.64	166	g04b	
c00v	86.88	-46.15	-13.54	48.1	196	g31b	
c50v	71.5	-12.87	-38.06	40.18	251	g81b	
v00m	30.39	76.06	-103.6	128.52	306	b30r	
v50m	44.84	85.88	-79.34	116.92	317	b40r	
m00o	57.31	94.35	-58.4	110.96	328	b49r	
m50o	53.74	85.19	6.14	85.42	4	b81r	



data for any colour:

lab^*tch^* and lab^*ncu^*
device and elementary
hue text:

$d^* = v50m$ $u^* = b40r$

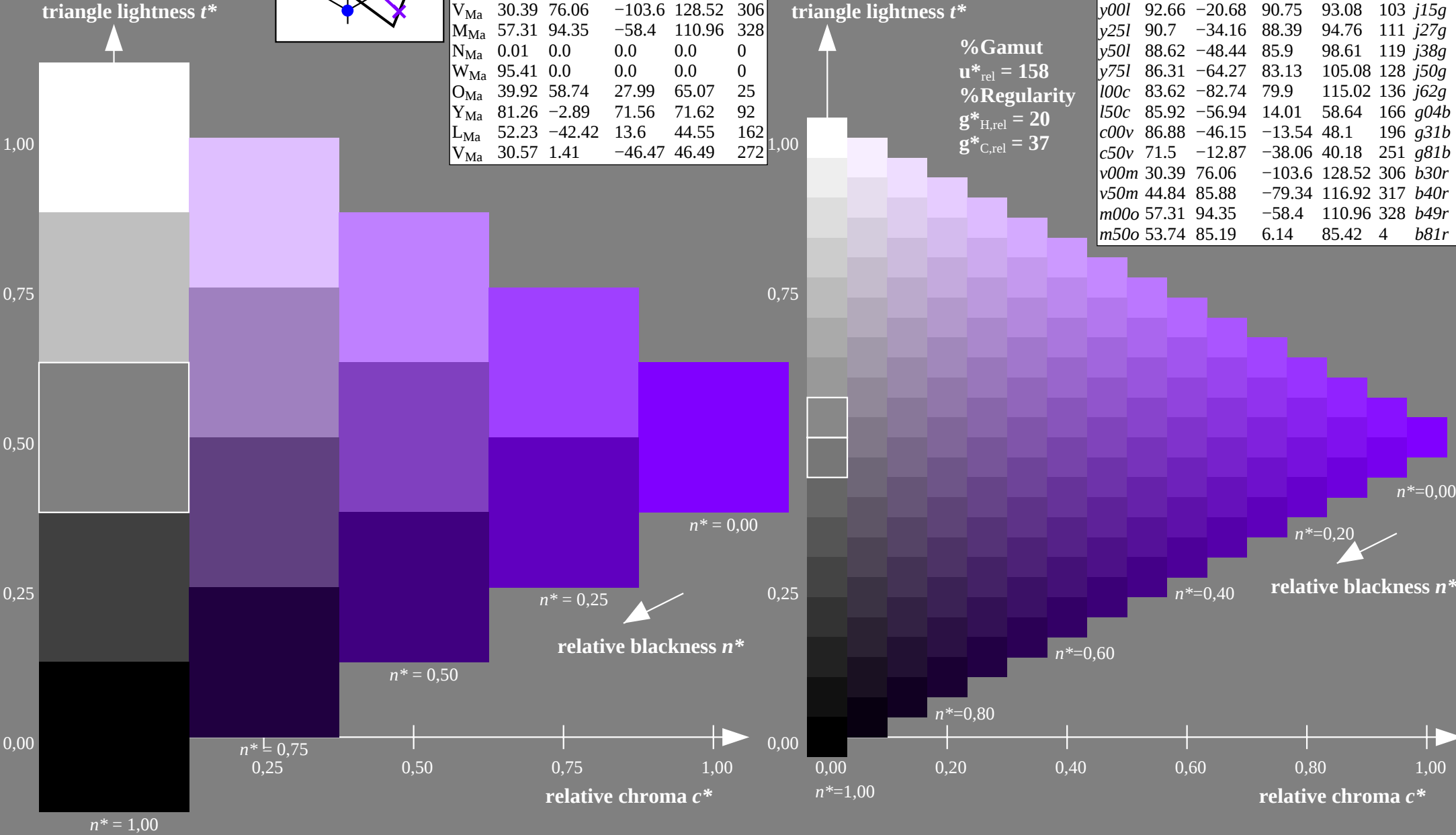


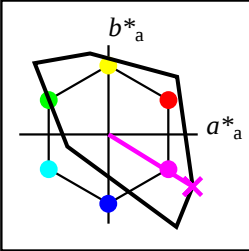
TLS00a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.91	64.55	100.41	40
Y _{Ma}	92.66	-20.68	90.75	93.08	103
L _{Ma}	83.62	-82.74	79.9	115.02	136
C _{Ma}	86.88	-46.15	-13.54	48.1	196
V _{Ma}	30.39	76.06	-103.6	128.52	306
M _{Ma}	57.31	94.35	-58.4	110.96	328
N _{Ma}	0.01	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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 45 86 -79
 $LAB^*LCH^*_{Ma}$: 45 117 317
 $lab^*olv^*_{Ma}$: 0.5 0.0 1.0
 $lab^*rgb^*_{Ma}$: 0.8 0.0 1.0

TLS00a; adapted (a) CIELAB data							
d^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*	
o00y	50.5	76.91	64.55	100.41	40	r22j	
o25y	62.51	49.1	72.02	87.16	56	r45j	
o50y	72.38	26.27	78.15	82.44	71	r68j	
o75y	81.91	4.22	84.07	84.17	87	r91j	
y00l	92.66	-20.68	90.75	93.08	103	j15g	
y25l	90.7	-34.16	88.39	94.76	111	j27g	
y50l	88.62	-48.44	85.9	98.61	119	j38g	
y75l	86.31	-64.27	83.13	105.08	128	j50g	
l00c	83.62	-82.74	79.9	115.02	136	j62g	
l50c	85.92	-56.94	14.01	58.64	166	g04b	
c00v	86.88	-46.15	-13.54	48.1	196	g31b	
c50v	71.5	-12.87	-38.06	40.18	251	g81b	
v00m	30.39	76.06	-103.6	128.52	306	b30r	
v50m	44.84	85.88	-79.34	116.92	317	b40r	
m00o	57.31	94.35	-58.4	110.96	328	b49r	
m50o	53.74	85.19	6.14	85.42	4	b81r	





TLS00a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.91	64.55	100.41	40
Y _{Ma}	92.66	-20.68	90.75	93.08	103
L _{Ma}	83.62	-82.74	79.9	115.02	136
C _{Ma}	86.88	-46.15	-13.54	48.1	196
V _{Ma}	30.39	76.06	-103.6	128.52	306
M _{Ma}	57.31	94.35	-58.4	110.96	328
N _{Ma}	0.01	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

Data for maximum colour (Ma):

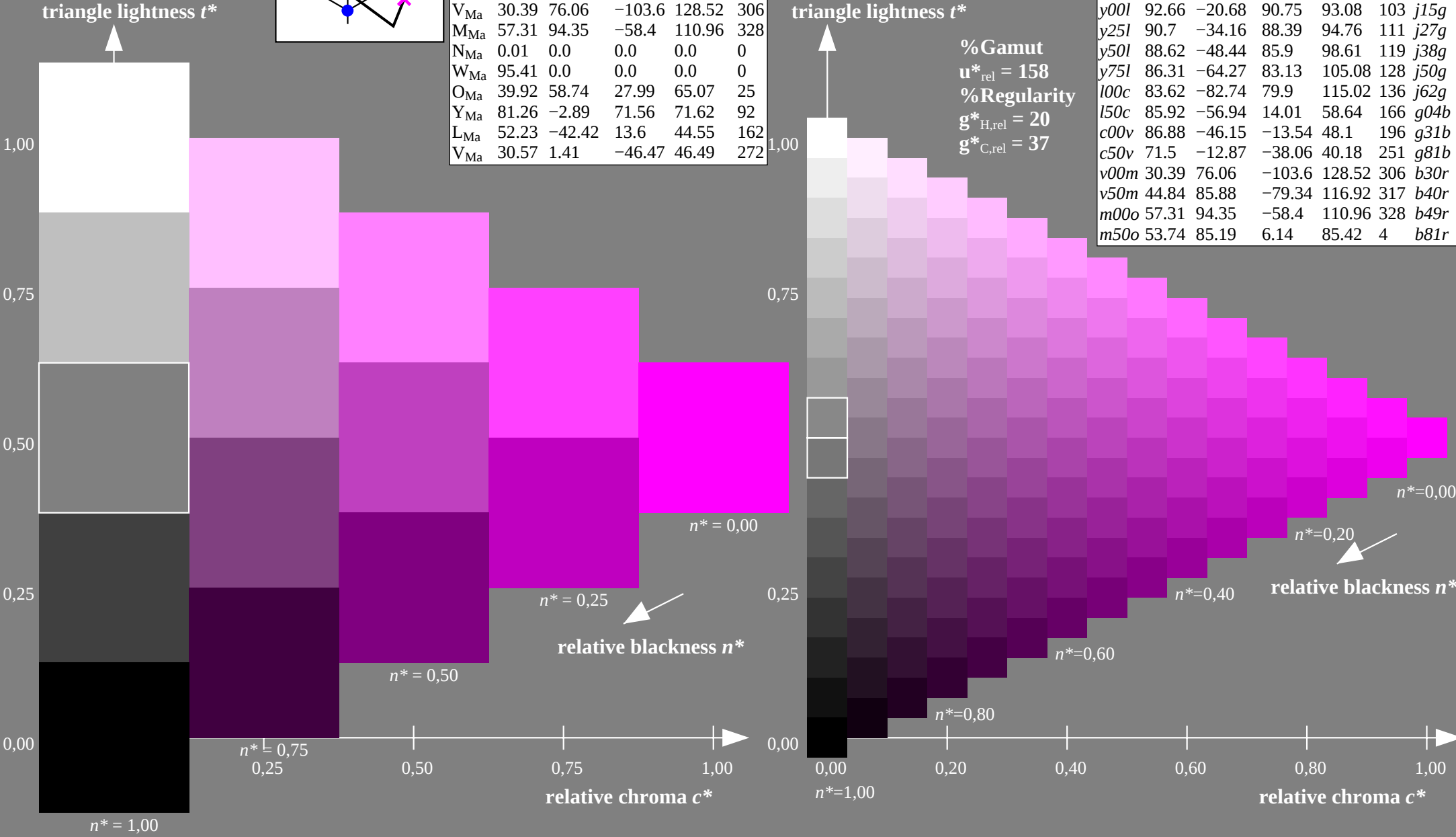
LAB*LAB*Ma: 57 94 -58

LAB*LCH*Ma: 57 111 328

lab*olv*Ma: 1.0 0.0 1.0

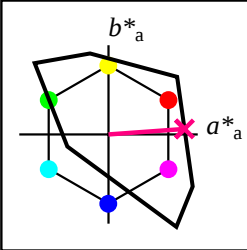
lab*rgb*Ma: 0.99 0.0 1.0

TLS00a; adapted (a) CIELAB data						
d^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*
<i>o00y</i>	50.5	76.91	64.55	100.41	40	<i>r22j</i>
<i>o25y</i>	62.51	49.1	72.02	87.16	56	<i>r45j</i>
<i>o50y</i>	72.38	26.27	78.15	82.44	71	<i>r68j</i>
<i>o75y</i>	81.91	4.22	84.07	84.17	87	<i>r91j</i>
<i>y00l</i>	92.66	-20.68	90.75	93.08	103	<i>j15g</i>
<i>y25l</i>	90.7	-34.16	88.39	94.76	111	<i>j27g</i>
<i>y50l</i>	88.62	-48.44	85.9	98.61	119	<i>j38g</i>
<i>y75l</i>	86.31	-64.27	83.13	105.08	128	<i>j50g</i>
<i>l00c</i>	83.62	-82.74	79.9	115.02	136	<i>j62g</i>
<i>l50c</i>	85.92	-56.94	14.01	58.64	166	<i>g04b</i>
<i>c00v</i>	86.88	-46.15	-13.54	48.1	196	<i>g31b</i>
<i>c50v</i>	71.5	-12.87	-38.06	40.18	251	<i>g81b</i>
<i>v00m</i>	30.39	76.06	-103.6	128.52	306	<i>b30r</i>
<i>v50m</i>	44.84	85.88	-79.34	116.92	317	<i>b40r</i>
<i>m00o</i>	57.31	94.35	-58.4	110.96	328	<i>b49r</i>
<i>m50o</i>	53.74	85.19	6.14	85.42	4	<i>b81r</i>



Input and output: Colorimetric Television Luminous System TLS00a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.011$
data for any colour:
 lab^*tch^* and lab^*ncu^*
device and elementary
hue text:
 $d^* = m50o$ $u^* = b81r$

$d^* = m50o$



TLS00a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.91	64.55	100.41	40
Y _{Ma}	92.66	-20.68	90.75	93.08	103
L _{Ma}	83.62	-82.74	79.9	115.02	136
C _{Ma}	86.88	-46.15	-13.54	48.1	196
V _{Ma}	30.39	76.06	-103.6	128.52	306
M _{Ma}	57.31	94.35	-58.4	110.96	328
N _{Ma}	0.01	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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 54 85 6
 $LAB^*LCH^*_{Ma}$: 54 85 4
 $lab^*olv^*_{Ma}$: 1.0 0.0 0.5
 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.38

TLS00a; adapted (a) CIELAB data							
d^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*	
o00y	50.5	76.91	64.55	100.41	40	r22j	
o25y	62.51	49.1	72.02	87.16	56	r45j	
o50y	72.38	26.27	78.15	82.44	71	r68j	
o75y	81.91	4.22	84.07	84.17	87	r91j	
y00l	92.66	-20.68	90.75	93.08	103	j15g	
y25l	90.7	-34.16	88.39	94.76	111	j27g	
y50l	88.62	-48.44	85.9	98.61	119	j38g	
y75l	86.31	-64.27	83.13	105.08	128	j50g	
l00c	83.62	-82.74	79.9	115.02	136	j62g	
l50c	85.92	-56.94	14.01	58.64	166	g04b	
c00v	86.88	-46.15	-13.54	48.1	196	g31b	
c50v	71.5	-12.87	-38.06	40.18	251	g81b	
v00m	30.39	76.06	-103.6	128.52	306	b30r	
v50m	44.84	85.88	-79.34	116.92	317	b40r	
m00o	57.31	94.35	-58.4	110.96	328	b49r	
m50o	53.74	85.19	6.14	85.42	4	b81r	

