

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

data for any colour:

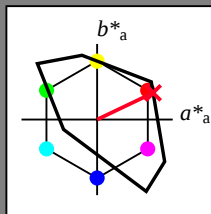
lab^*tch^* and lab^*ncu^*

elementary and device

hue text:

$u^* = r00j$ $d^* = m85o$

triangle lightness t^*



TLS18a; adapted (a) CIELAB data					
Name	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.03	84.97	87.3	103
L _{Ma}	84.0	-78.99	73.94	108.2	137
C _{Ma}	87.14	-44.42	-13.12	46.32	196
V _{Ma}	35.47	64.92	-95.07	115.12	304
M _{Ma}	59.01	89.33	-55.68	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 54 74 35

$LAB^*LCH^*_{Ma}$: 54 82 25

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

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

triangle lightness t^*

% Gamut

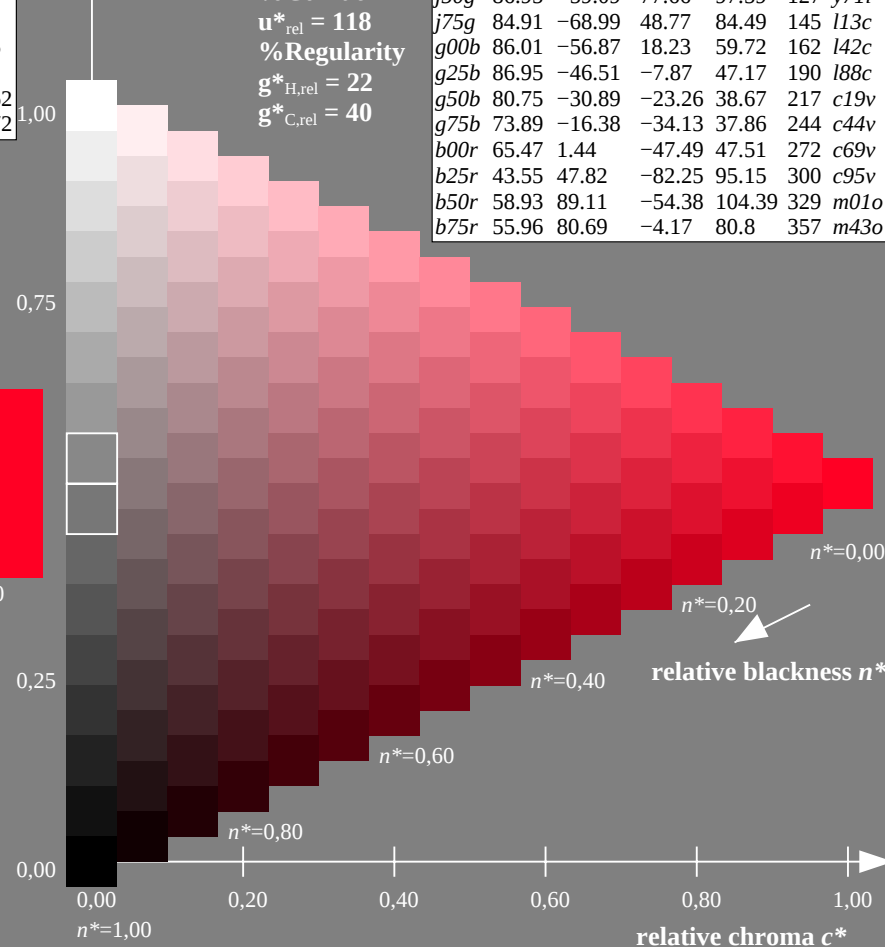
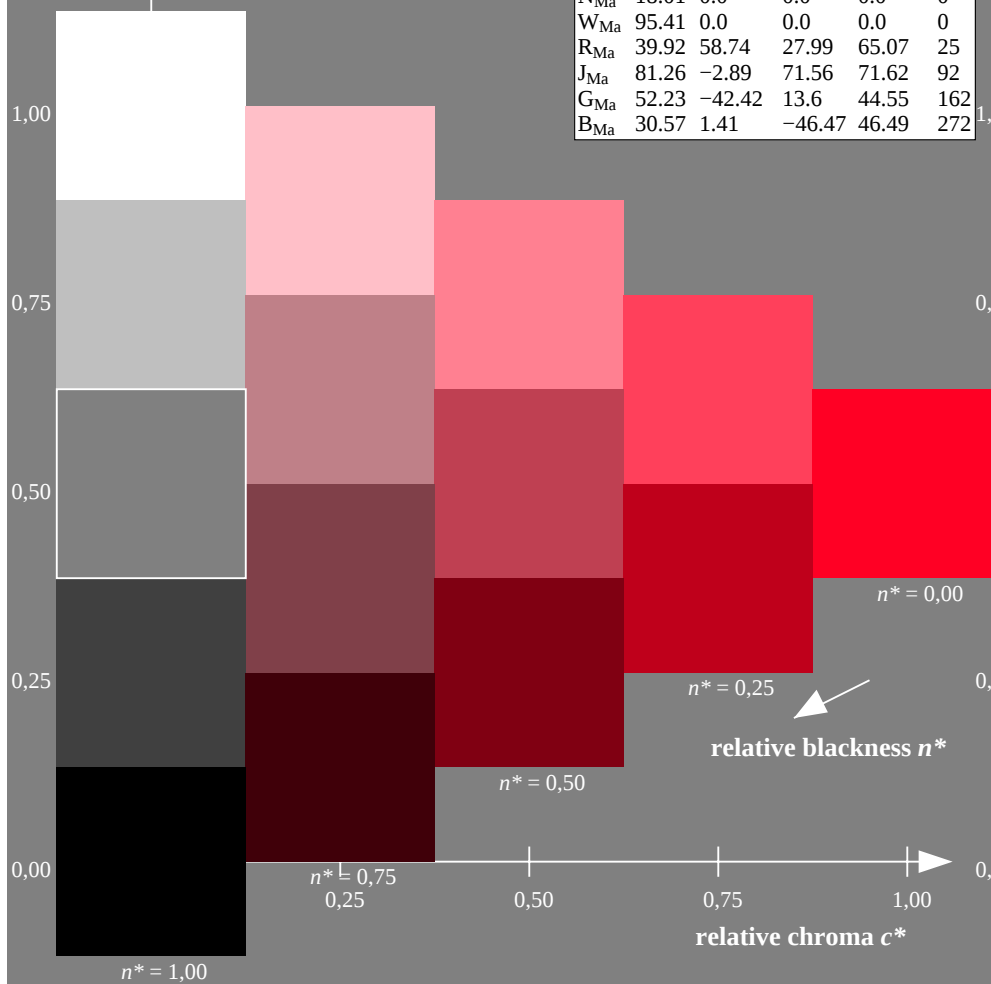
$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18a; adapted (a) CIELAB data					
u^*	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	53.62	74.08	35.3	82.06	25
r25j	57.85	59.96	54.35	80.93	42
r50j	67.48	37.89	62.8	73.34	59
r75j	76.12	18.07	70.39	72.67	76
j00g	85.39	-3.17	78.52	78.58	92
j25g	91.28	-29.91	83.12	88.34	110
j50g	86.95	-59.09	77.66	97.59	127
j75g	84.91	-68.99	48.77	84.49	145
g00b	86.01	-56.87	18.23	59.72	162
g25b	86.95	-46.51	-7.87	47.17	190
g50b	80.75	-30.89	-23.26	38.67	217
g75b	73.89	-16.38	-34.13	37.86	244
b00r	65.47	1.44	-47.49	47.51	272
b25r	43.55	47.82	-82.25	95.15	300
b50r	58.93	89.11	-54.38	104.39	329
b75r	55.96	80.69	-4.17	80.8	357



IE580-7N

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$

data for any colour:

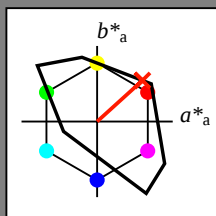
lab^*tch^* and lab^*ncu^*

elementary and device

hue text:

$u^* = r25j$ $d^* = o11y$

triangle lightness t^*



TLS18a; adapted (a) CIELAB data					
Name	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.03	84.97	87.3	103
L _{Ma}	84.0	-78.99	73.94	108.2	137
C _{Ma}	87.14	-44.42	-13.12	46.32	196
V _{Ma}	35.47	64.92	-95.07	115.12	304
M _{Ma}	59.01	89.33	-55.68	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 60 54

$LAB^*LCH^*_{Ma}$: 58 81 42

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

$lab^*olv^*_{Ma}$: 1.0 0.11 0.0

triangle lightness t^*

% Gamut

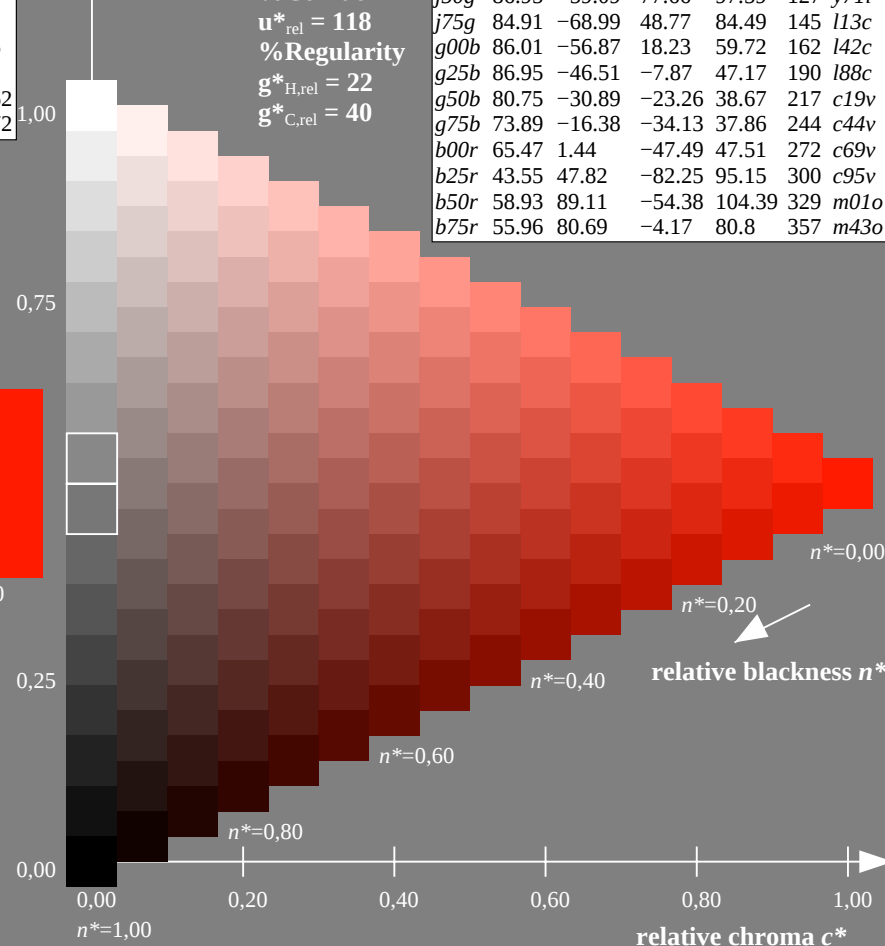
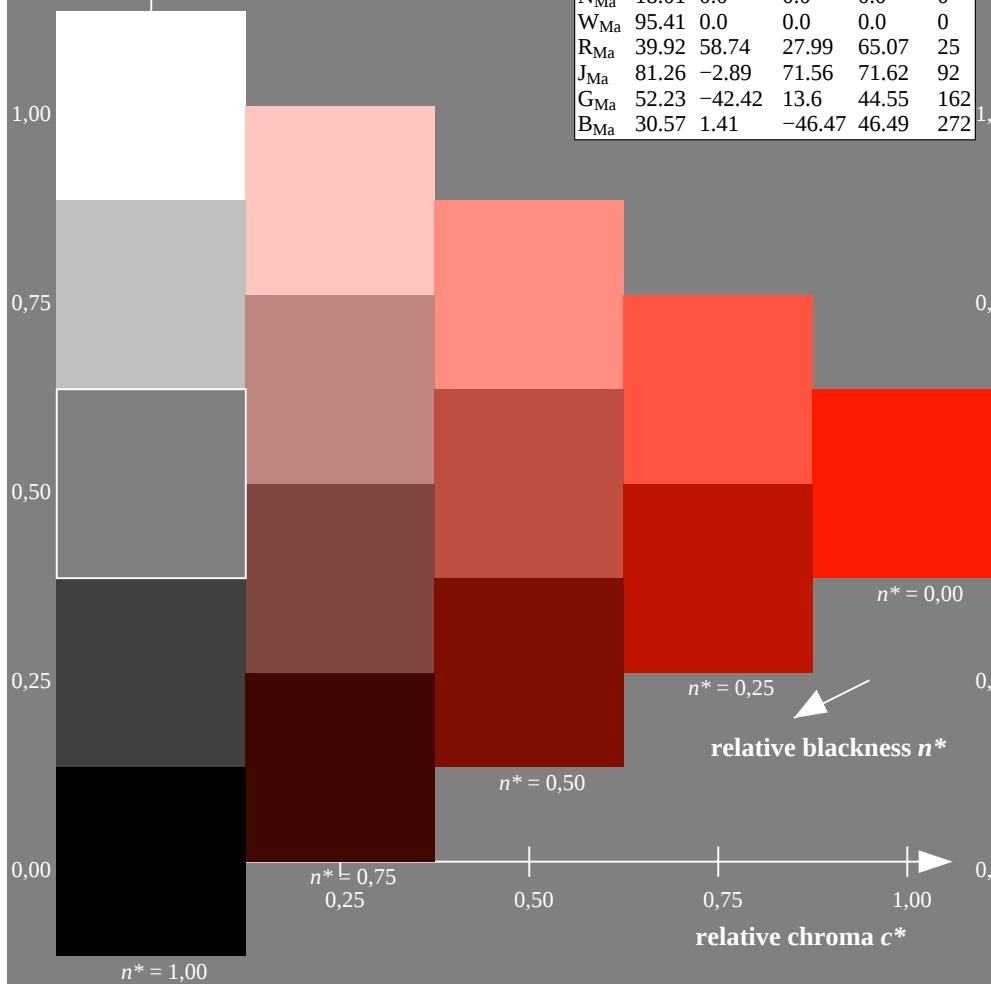
$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18a; adapted (a) CIELAB data						
u^*	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	d^*
r00j	53.62	74.08	35.3	82.06	25	m85o
r25j	57.85	59.96	54.35	80.93	42	o11y
r50j	67.48	37.89	62.8	73.34	59	o35y
r75j	76.12	18.07	70.39	72.67	76	o59y
j00g	85.39	-3.17	78.52	78.58	92	o83y
j25g	91.28	-29.91	83.12	88.34	110	y19l
j50g	86.95	-59.09	77.66	97.59	127	y71l
j75g	84.91	-68.99	48.77	84.49	145	l13c
g00b	86.01	-56.87	18.23	59.72	162	l42c
g25b	86.95	-46.51	-7.87	47.17	190	l88c
g50b	80.75	-30.89	-23.26	38.67	217	c19v
g75b	73.89	-16.38	-34.13	37.86	244	c44v
b00r	65.47	1.44	-47.49	47.51	272	c69v
b25r	43.55	47.82	-82.25	95.15	300	c95v
b50r	58.93	89.11	-54.38	104.39	329	m01o
b75r	55.96	80.69	-4.17	80.8	357	m43o



Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:

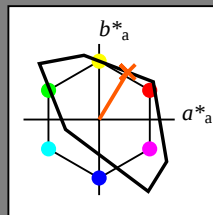
lab^*tch^* and lab^*ncu^*

elementary and device

hue text:

$u^* = r50j$ $d^* = o35y$

triangle lightness t^*



TLS18a; adapted (a) CIELAB data					
Name	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.03	84.97	87.3	103
L _{Ma}	84.0	-78.99	73.94	108.2	137
C _{Ma}	87.14	-44.42	-13.12	46.32	196
V _{Ma}	35.47	64.92	-95.07	115.12	304
M _{Ma}	59.01	89.33	-55.68	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 67 38 63

$LAB^*LCH^*_{Ma}$: 67 73 58

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

$lab^*olv^*_{Ma}$: 1.0 0.35 0.0

triangle lightness t^*

% Gamut

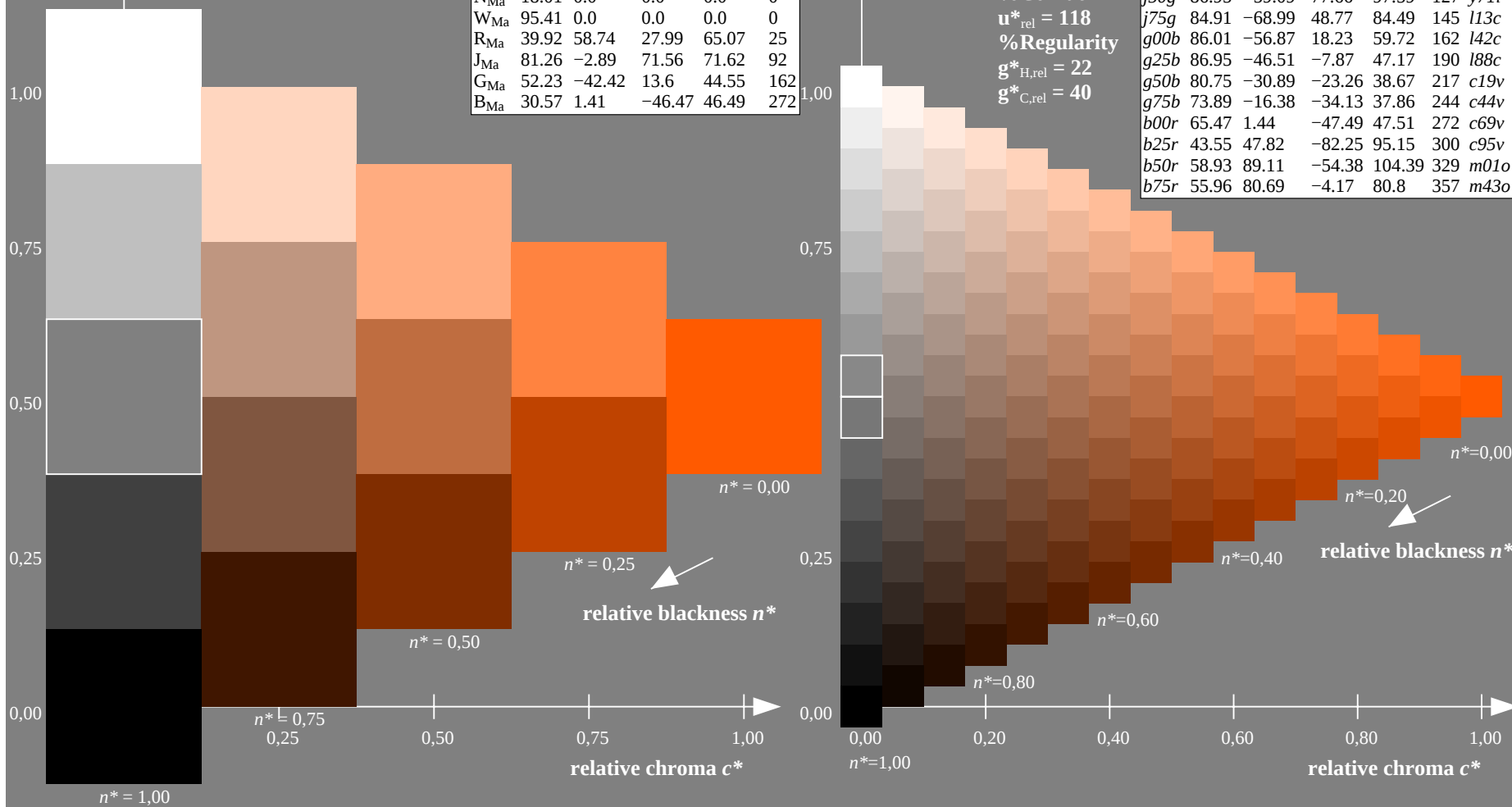
$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18a; adapted (a) CIELAB data					
u^*	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	53.62	74.08	35.3	82.06	25
r25j	57.85	59.96	54.35	80.93	42
r50j	67.48	37.89	62.8	73.34	59
r75j	76.12	18.07	70.39	72.67	76
j00g	85.39	-3.17	78.52	78.58	92
j25g	91.28	-29.91	83.12	88.34	110
j50g	86.95	-59.09	77.66	97.59	127
j75g	84.91	-68.99	48.77	84.49	145
g00b	86.01	-56.87	18.23	59.72	162
g25b	86.95	-46.51	-7.87	47.17	190
g50b	80.75	-30.89	-23.26	38.67	217
g75b	73.89	-16.38	-34.13	37.86	244
b00r	65.47	1.44	-47.49	47.51	272
b25r	43.55	47.82	-82.25	95.15	300
b50r	58.93	89.11	-54.38	104.39	329
b75r	55.96	80.69	-4.17	80.8	357



Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

data for any colour:

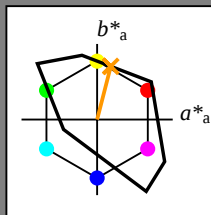
lab^*tch^* and lab^*ncu^*

elementary and device

hue text:

$u^* = r75j$ $d^* = o59y$

triangle lightness t^*



TLS18a; adapted (a) CIELAB data					
Name	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.03	84.97	87.3	103
L _{Ma}	84.0	-78.99	73.94	108.2	137
C _{Ma}	87.14	-44.42	-13.12	46.32	196
V _{Ma}	35.47	64.92	-95.07	115.12	304
M _{Ma}	59.01	89.33	-55.68	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 76 18 70

$LAB^*LCH^*_{Ma}$: 76 73 75

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

$lab^*olv^*_{Ma}$: 1.0 0.6 0.0

triangle lightness t^*

% Gamut

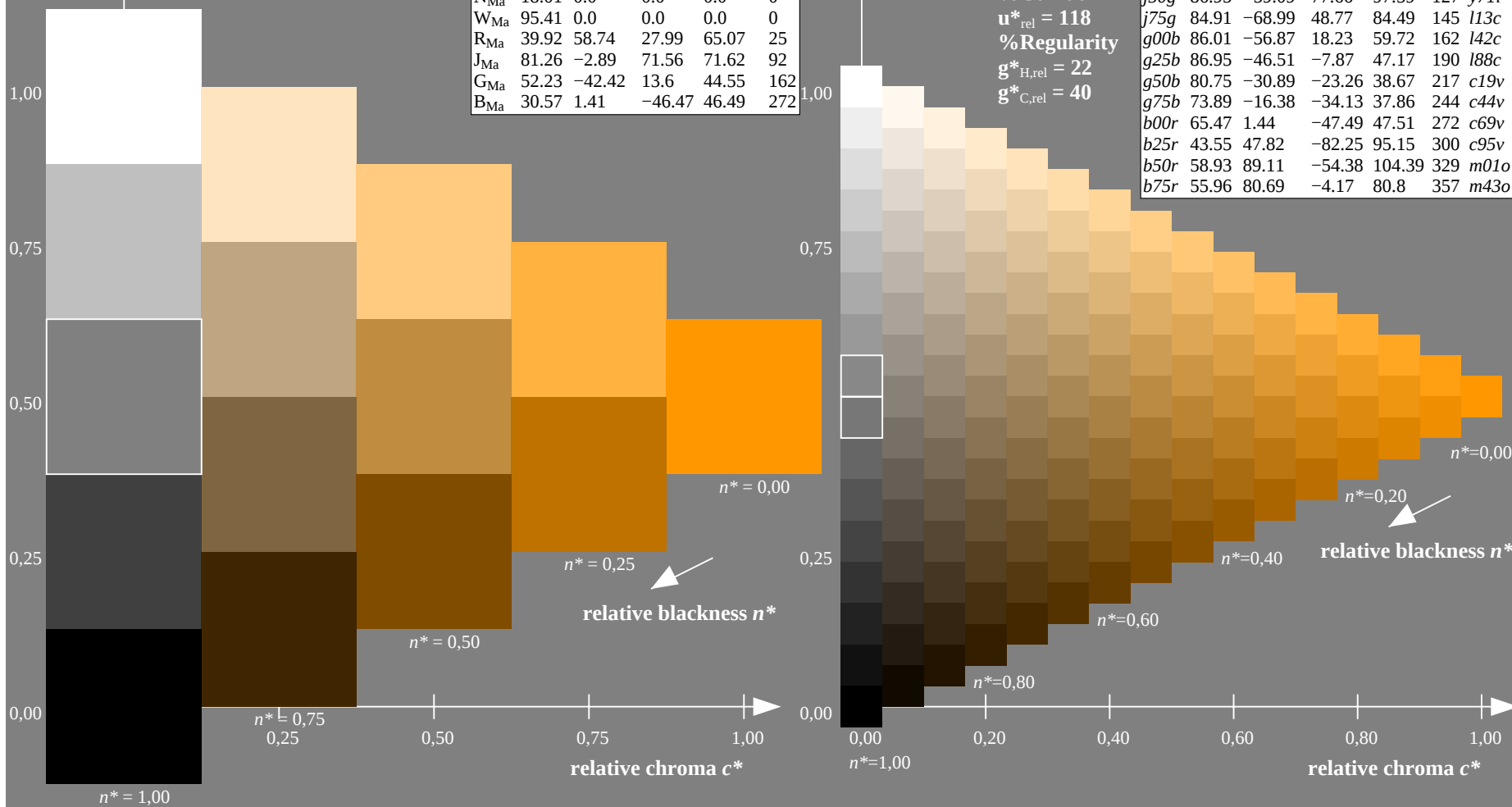
$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18a; adapted (a) CIELAB data					
u^*	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	53.62	74.08	35.3	82.06	25
r25j	57.85	59.96	54.35	80.93	42
r50j	67.48	37.89	62.8	73.34	59
r75j	76.12	18.07	70.39	72.67	76
j00g	85.39	-3.17	78.52	78.58	92
j25g	91.28	-29.91	83.12	88.34	110
j50g	86.95	-59.09	77.66	97.59	127
j75g	84.91	-68.99	48.77	84.49	145
g00b	86.01	-56.87	18.23	59.72	162
g25b	86.95	-46.51	-7.87	47.17	190
g50b	80.75	-30.89	-23.26	38.67	217
g75b	73.89	-16.38	-34.13	37.86	244
b00r	65.47	1.44	-47.49	47.51	272
b25r	43.55	47.82	-82.25	95.15	300
b50r	58.93	89.11	-54.38	104.39	329
b75r	55.96	80.69	-4.17	80.8	357



Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

data for any colour:

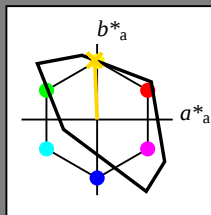
lab^*tch^* and lab^*ncu^*

elementary and device

hue text:

$u^* = j00g$ $d^* = o83y$

triangle lightness t^*



TLS18a; adapted (a) CIELAB data					
Name	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.03	84.97	87.3	103
L _{Ma}	84.0	-78.99	73.94	108.2	137
C _{Ma}	87.14	-44.42	-13.12	46.32	196
V _{Ma}	35.47	64.92	-95.07	115.12	304
M _{Ma}	59.01	89.33	-55.68	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 85 -3 79

$LAB^*LCH^*_{Ma}$: 85 79 92

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

$lab^*olv^*_{Ma}$: 1.0 0.84 0.0

triangle lightness t^*

% Gamut

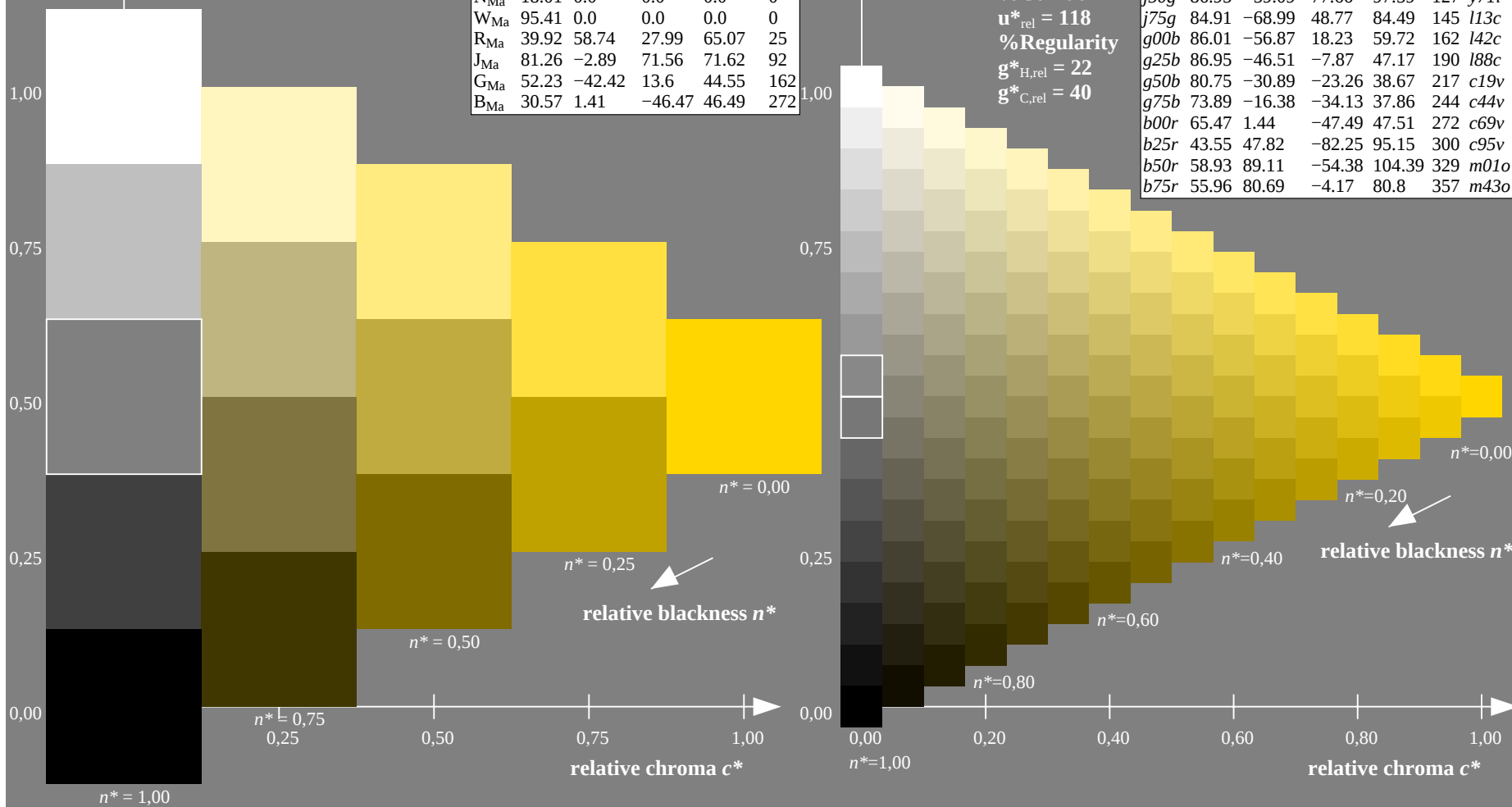
$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18a; adapted (a) CIELAB data					
u^*	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	53.62	74.08	35.3	82.06	25
r25j	57.85	59.96	54.35	80.93	42
r50j	67.48	37.89	62.8	73.34	59
r75j	76.12	18.07	70.39	72.67	76
j00g	85.39	-3.17	78.52	78.58	92
j25g	91.28	-29.91	83.12	88.34	110
j50g	86.95	-59.09	77.66	97.59	127
j75g	84.91	-68.99	48.77	84.49	145
g00b	86.01	-56.87	18.23	59.72	162
g25b	86.95	-46.51	-7.87	47.17	190
g50b	80.75	-30.89	-23.26	38.67	217
g75b	73.89	-16.38	-34.13	37.86	244
b00r	65.47	1.44	-47.49	47.51	272
b25r	43.55	47.82	-82.25	95.15	300
b50r	58.93	89.11	-54.38	104.39	329
b75r	55.96	80.69	-4.17	80.8	357



Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

data for any colour:

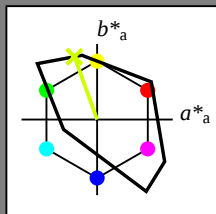
lab^*tch^* and lab^*ncu^*

elementary and device

hue text:

$u^* = j25g$ $d^* = y19l$

triangle lightness t^*



TLS18a; adapted (a) CIELAB data					
Name	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.03	84.97	87.3	103
L _{Ma}	84.0	-78.99	73.94	108.2	137
C _{Ma}	87.14	-44.42	-13.12	46.32	196
V _{Ma}	35.47	64.92	-95.07	115.12	304
M _{Ma}	59.01	89.33	-55.68	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 91 -30 83

$LAB^*LCH^*_{Ma}$: 91 88 109

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

$lab^*olv^*_{Ma}$: 0.81 1.0 0.0

triangle lightness t^*

% Gamut

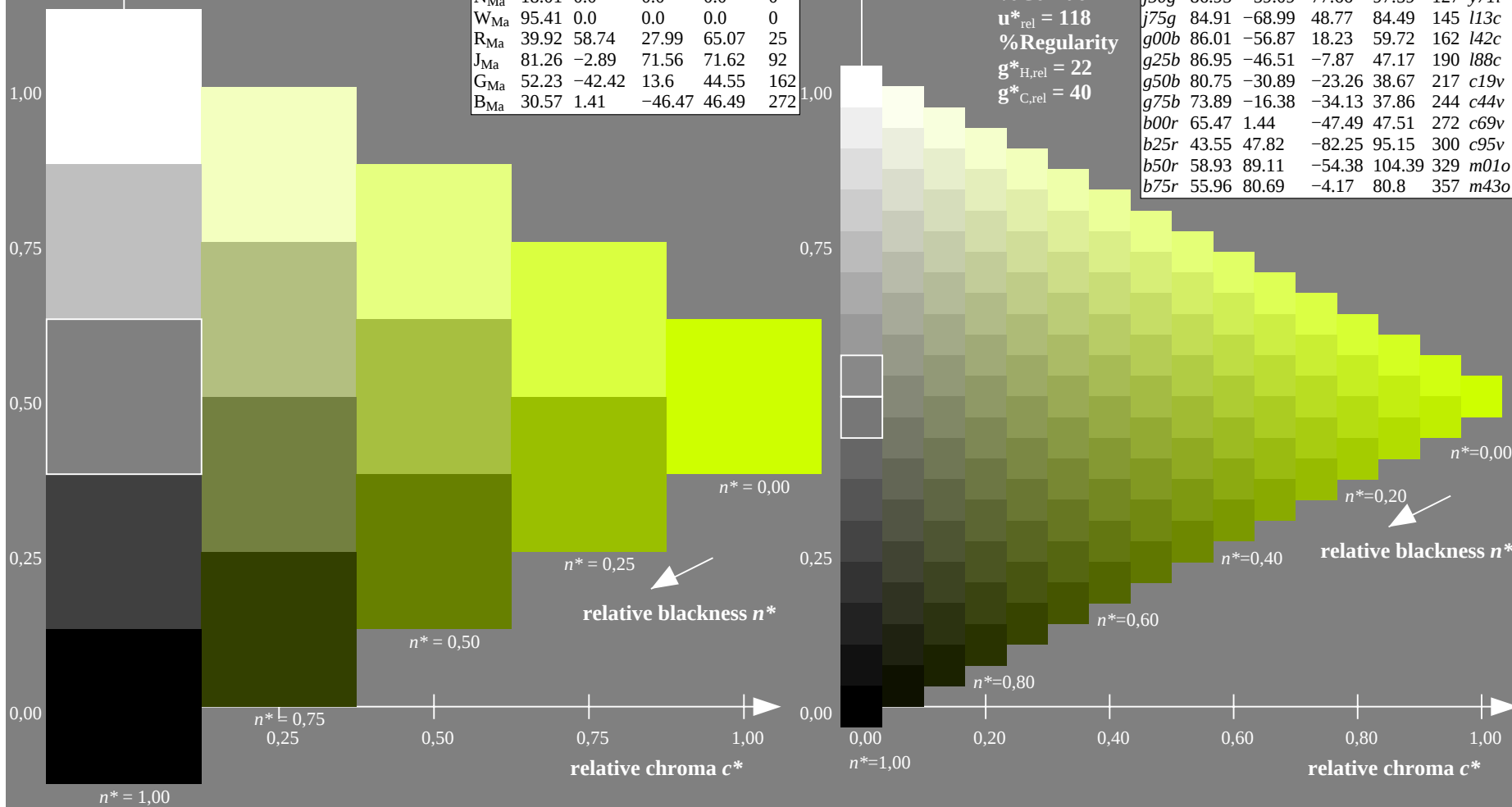
$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18a; adapted (a) CIELAB data					
u^*	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	53.62	74.08	35.3	82.06	25
r25j	57.85	59.96	54.35	80.93	42
r50j	67.48	37.89	62.8	73.34	59
r75j	76.12	18.07	70.39	72.67	76
j00g	85.39	-3.17	78.52	78.58	92
j25g	91.28	-29.91	83.12	88.34	110
j50g	86.95	-59.09	77.66	97.59	127
j75g	84.91	-68.99	48.77	84.49	145
g00b	86.01	-56.87	18.23	59.72	162
g25b	86.95	-46.51	-7.87	47.17	190
g50b	80.75	-30.89	-23.26	38.67	217
g75b	73.89	-16.38	-34.13	37.86	244
b00r	65.47	1.44	-47.49	47.51	272
b25r	43.55	47.82	-82.25	95.15	300
b50r	58.93	89.11	-54.38	104.39	329
b75r	55.96	80.69	-4.17	80.8	357



Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

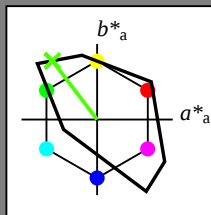
lab^*tch^* and lab^*ncu^*

elementary and device

hue text:

$u^* = j50g$ $d^* = y71l$

triangle lightness t^*



TLS18a; adapted (a) CIELAB data					
Name	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.03	84.97	87.3	103
L _{Ma}	84.0	-78.99	73.94	108.2	137
C _{Ma}	87.14	-44.42	-13.12	46.32	196
V _{Ma}	35.47	64.92	-95.07	115.12	304
M _{Ma}	59.01	89.33	-55.68	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -59 78

$LAB^*LCH^*_{Ma}$: 87 98 127

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

$lab^*olv^*_{Ma}$: 0.29 1.0 0.0

triangle lightness t^*

% Gamut

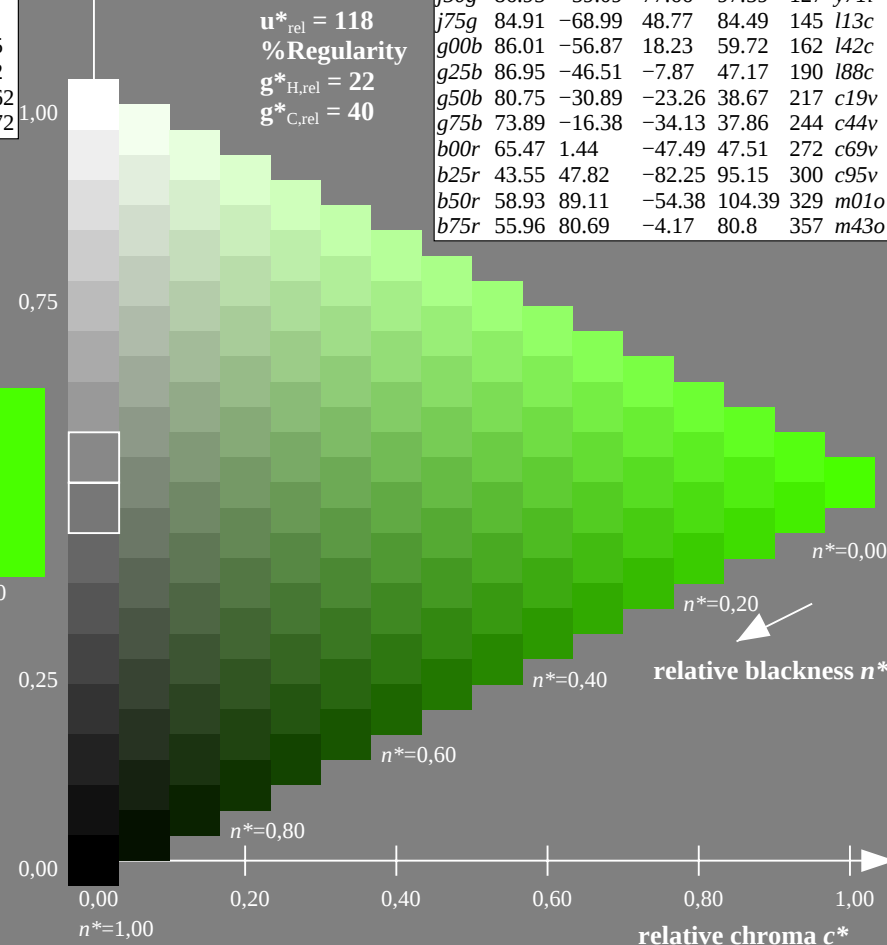
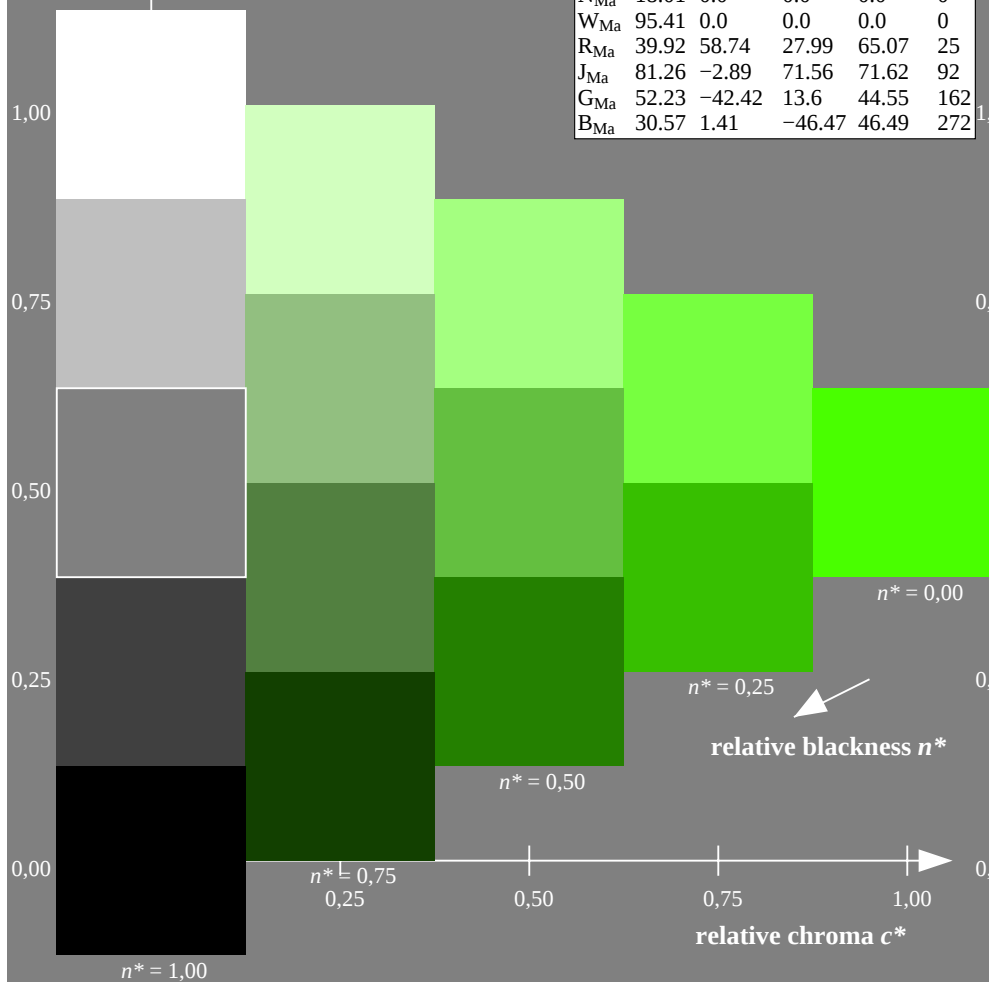
$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18a; adapted (a) CIELAB data					
u^*	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	53.62	74.08	35.3	82.06	25
r25j	57.85	59.96	54.35	80.93	42
r50j	67.48	37.89	62.8	73.34	59
r75j	76.12	18.07	70.39	72.67	76
j00g	85.39	-3.17	78.52	78.58	92
j25g	91.28	-29.91	83.12	88.34	110
j50g	86.95	-59.09	77.66	97.59	127
j75g	84.91	-68.99	48.77	84.49	145
g00b	86.01	-56.87	18.23	59.72	162
g25b	86.95	-46.51	-7.87	47.17	190
g50b	80.75	-30.89	-23.26	38.67	217
g75b	73.89	-16.38	-34.13	37.86	244
b00r	65.47	1.44	-47.49	47.51	272
b25r	43.55	47.82	-82.25	95.15	300
b50r	58.93	89.11	-54.38	104.39	329
b75r	55.96	80.69	-4.17	80.8	357



IE580-7N

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

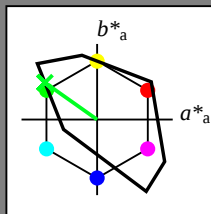
lab^*tch^* and lab^*ncu^*

elementary and device

hue text:

$u^* = j75g$ $d^* = l13c$

triangle lightness t^*



TLS18a; adapted (a) CIELAB data					
Name	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.03	84.97	87.3	103
L _{Ma}	84.0	-78.99	73.94	108.2	137
C _{Ma}	87.14	-44.42	-13.12	46.32	196
V _{Ma}	35.47	64.92	-95.07	115.12	304
M _{Ma}	59.01	89.33	-55.68	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 85 -69 49

$LAB^*LCH^*_{Ma}$: 85 84 144

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.13

triangle lightness t^*

% Gamut

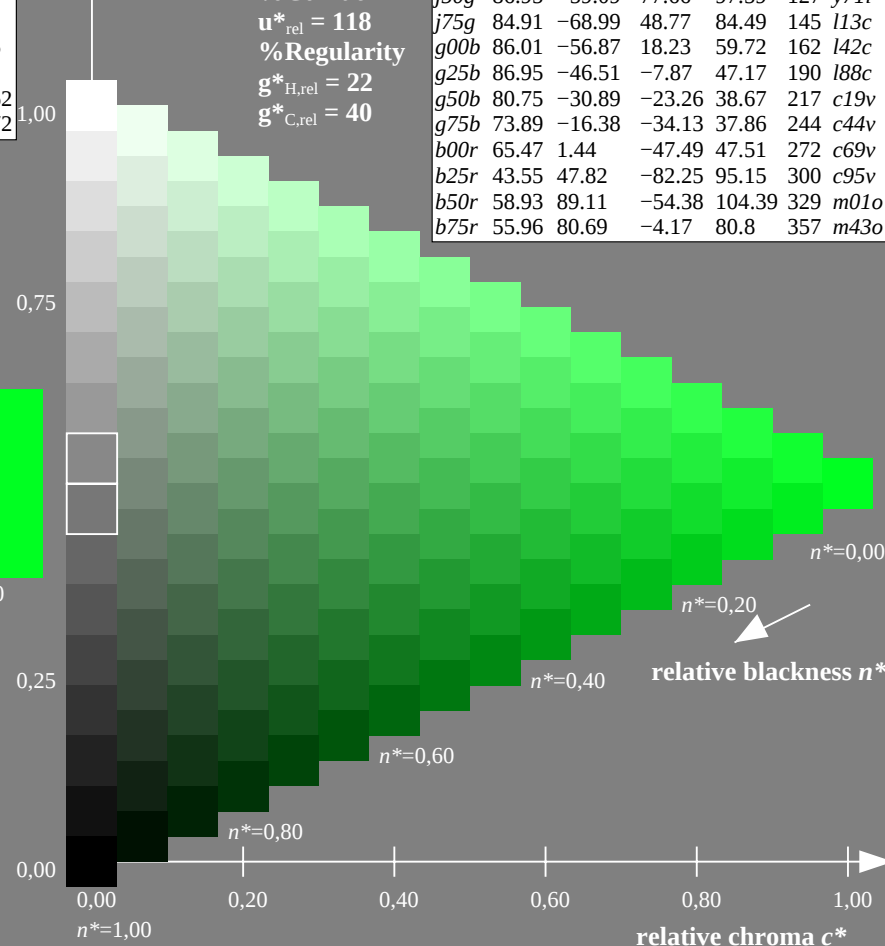
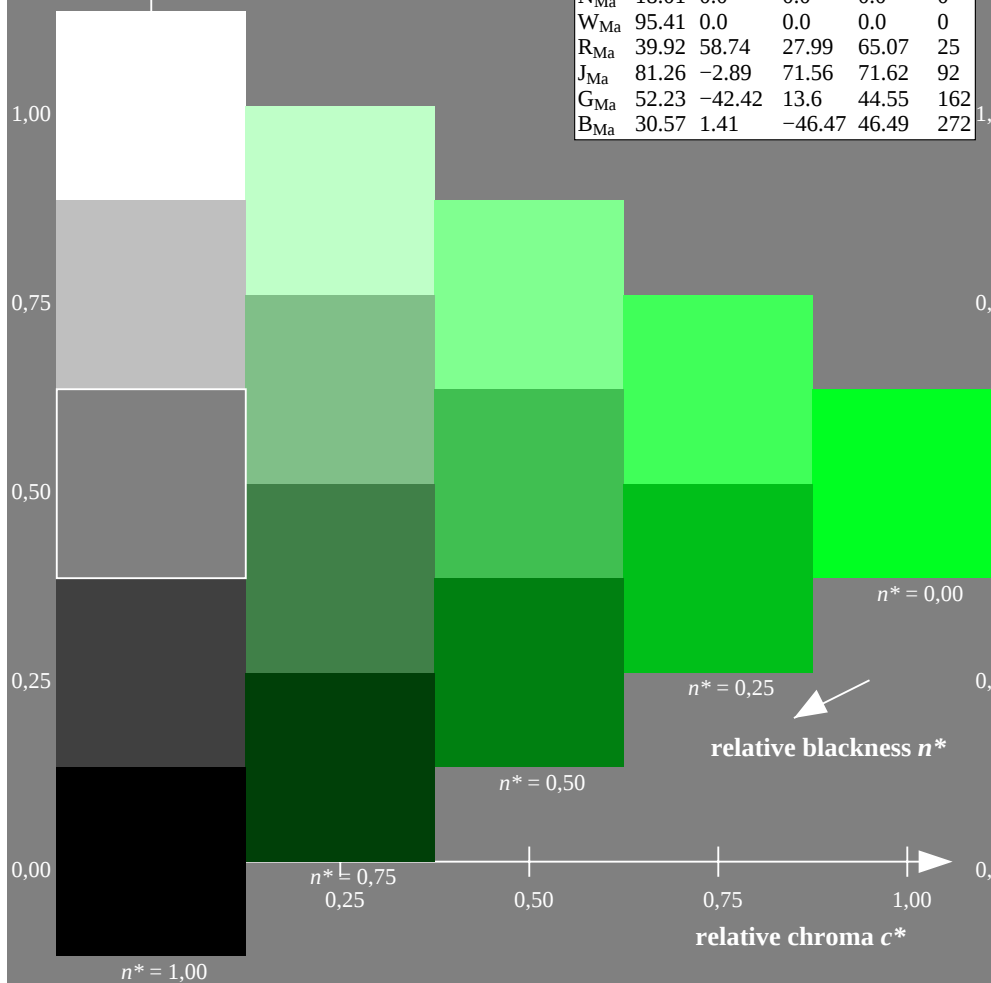
$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18a; adapted (a) CIELAB data					
u^*	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	53.62	74.08	35.3	82.06	25
r25j	57.85	59.96	54.35	80.93	42
r50j	67.48	37.89	62.8	73.34	59
r75j	76.12	18.07	70.39	72.67	76
j00g	85.39	-3.17	78.52	78.58	92
j25g	91.28	-29.91	83.12	88.34	110
j50g	86.95	-59.09	77.66	97.59	127
j75g	84.91	-68.99	48.77	84.49	145
g00b	86.01	-56.87	18.23	59.72	162
g25b	86.95	-46.51	-7.87	47.17	190
g50b	80.75	-30.89	-23.26	38.67	217
g75b	73.89	-16.38	-34.13	37.86	244
b00r	65.47	1.44	-47.49	47.51	272
b25r	43.55	47.82	-82.25	95.15	300
b50r	58.93	89.11	-54.38	104.39	329
b75r	55.96	80.69	-4.17	80.8	357



IE580-7N

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

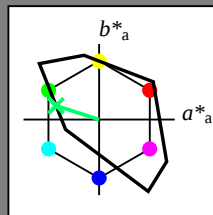
lab^*tch^* and lab^*ncu^*

elementary and device

hue text:

$u^* = g00b$ $d^* = l42c$

triangle lightness t^*



TLS18a; adapted (a) CIELAB data					
Name	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.03	84.97	87.3	103
L _{Ma}	84.0	-78.99	73.94	108.2	137
C _{Ma}	87.14	-44.42	-13.12	46.32	196
V _{Ma}	35.47	64.92	-95.07	115.12	304
M _{Ma}	59.01	89.33	-55.68	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 86 -57 18

$LAB^*LCH^*_{Ma}$: 86 60 162

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.43

triangle lightness t^*

% Gamut

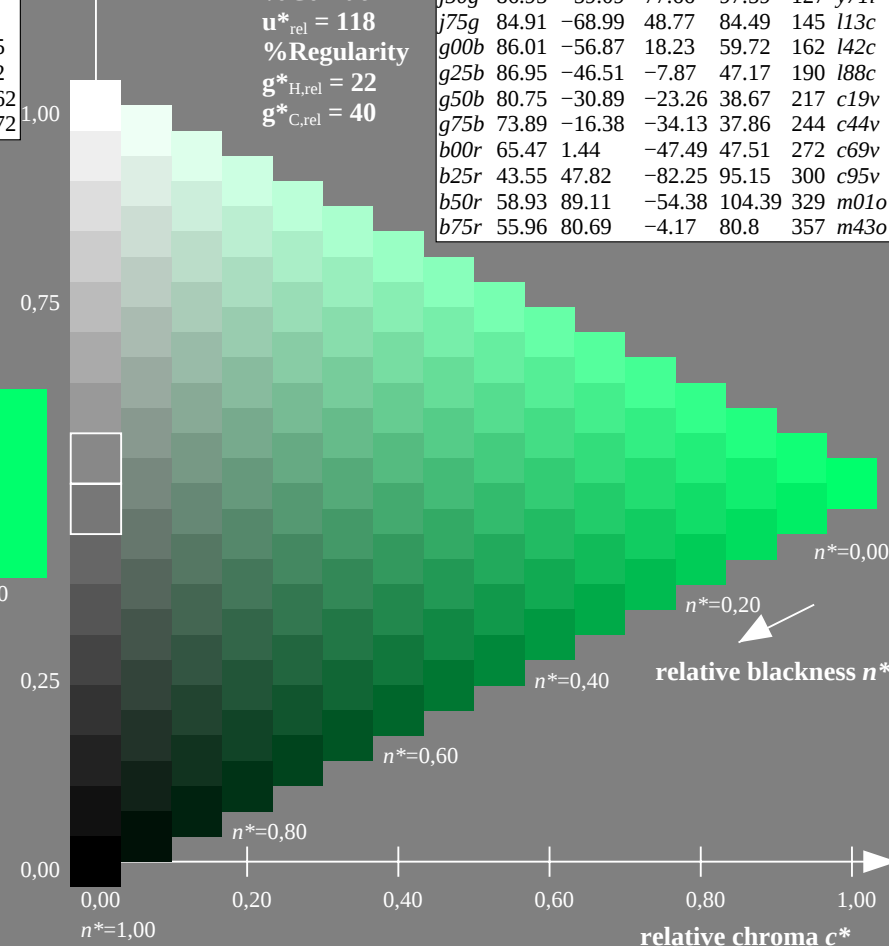
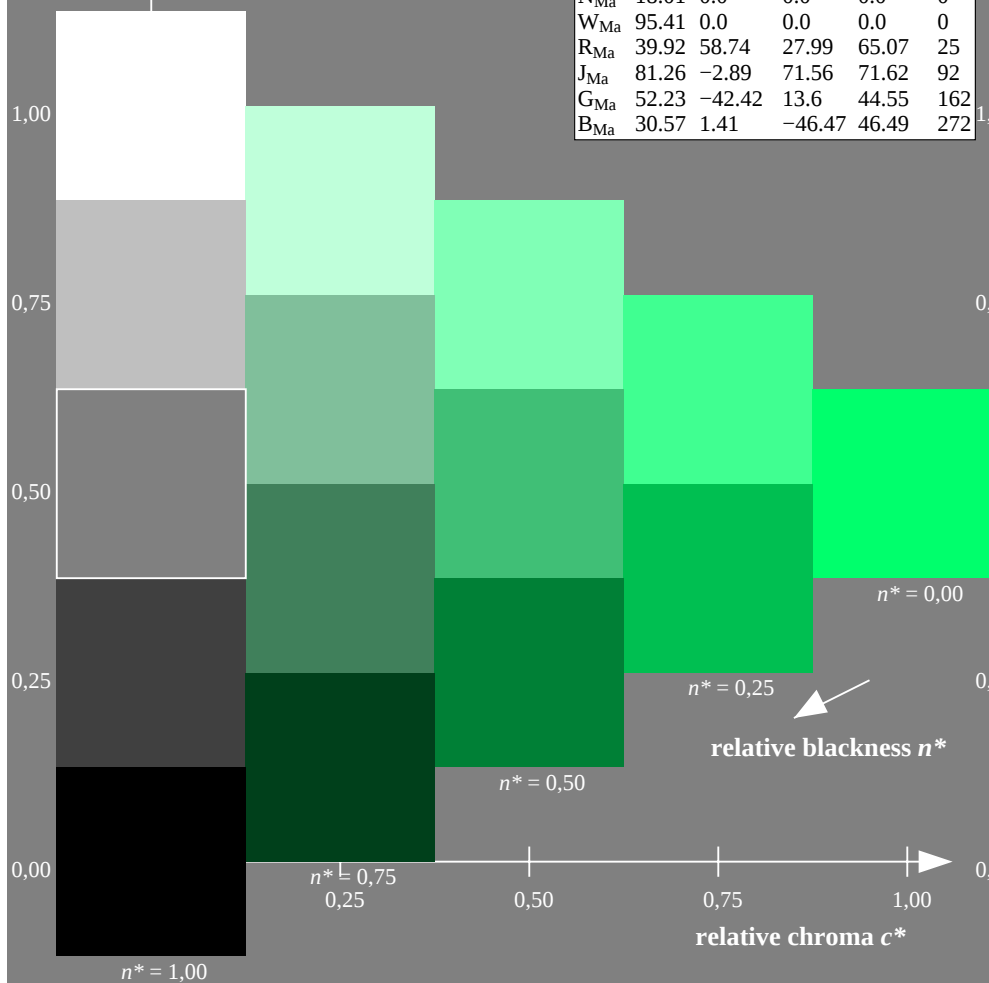
$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18a; adapted (a) CIELAB data					
u^*	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	53.62	74.08	35.3	82.06	25
r25j	57.85	59.96	54.35	80.93	42
r50j	67.48	37.89	62.8	73.34	59
r75j	76.12	18.07	70.39	72.67	76
j00g	85.39	-3.17	78.52	78.58	92
j25g	91.28	-29.91	83.12	88.34	110
j50g	86.95	-59.09	77.66	97.59	127
j75g	84.91	-68.99	48.77	84.49	145
g00b	86.01	-56.87	18.23	59.72	162
g25b	86.95	-46.51	-7.87	47.17	190
g50b	80.75	-30.89	-23.26	38.67	217
g75b	73.89	-16.38	-34.13	37.86	244
b00r	65.47	1.44	-47.49	47.51	272
b25r	43.55	47.82	-82.25	95.15	300
b50r	58.93	89.11	-54.38	104.39	329
b75r	55.96	80.69	-4.17	80.8	357



IE580-7N

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$

data for any colour:

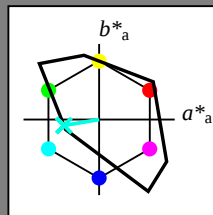
lab^*tch^* and lab^*ncu^*

elementary and device

hue text:

$u^* = g25b$ $d^* = l88c$

triangle lightness t^*



TLS18a; adapted (a) CIELAB data					
Name	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.03	84.97	87.3	103
L _{Ma}	84.0	-78.99	73.94	108.2	137
C _{Ma}	87.14	-44.42	-13.12	46.32	196
V _{Ma}	35.47	64.92	-95.07	115.12	304
M _{Ma}	59.01	89.33	-55.68	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -47 -8

$LAB^*LCH^*_{Ma}$: 87 47 189

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.88

triangle lightness t^*

% Gamut

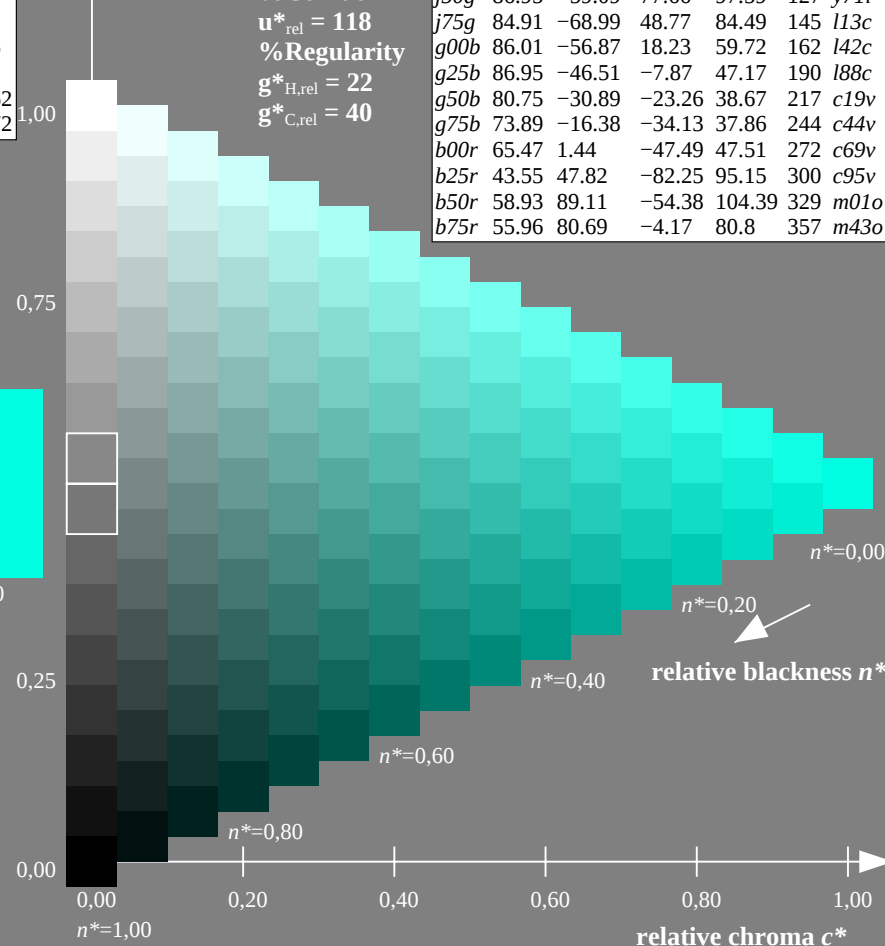
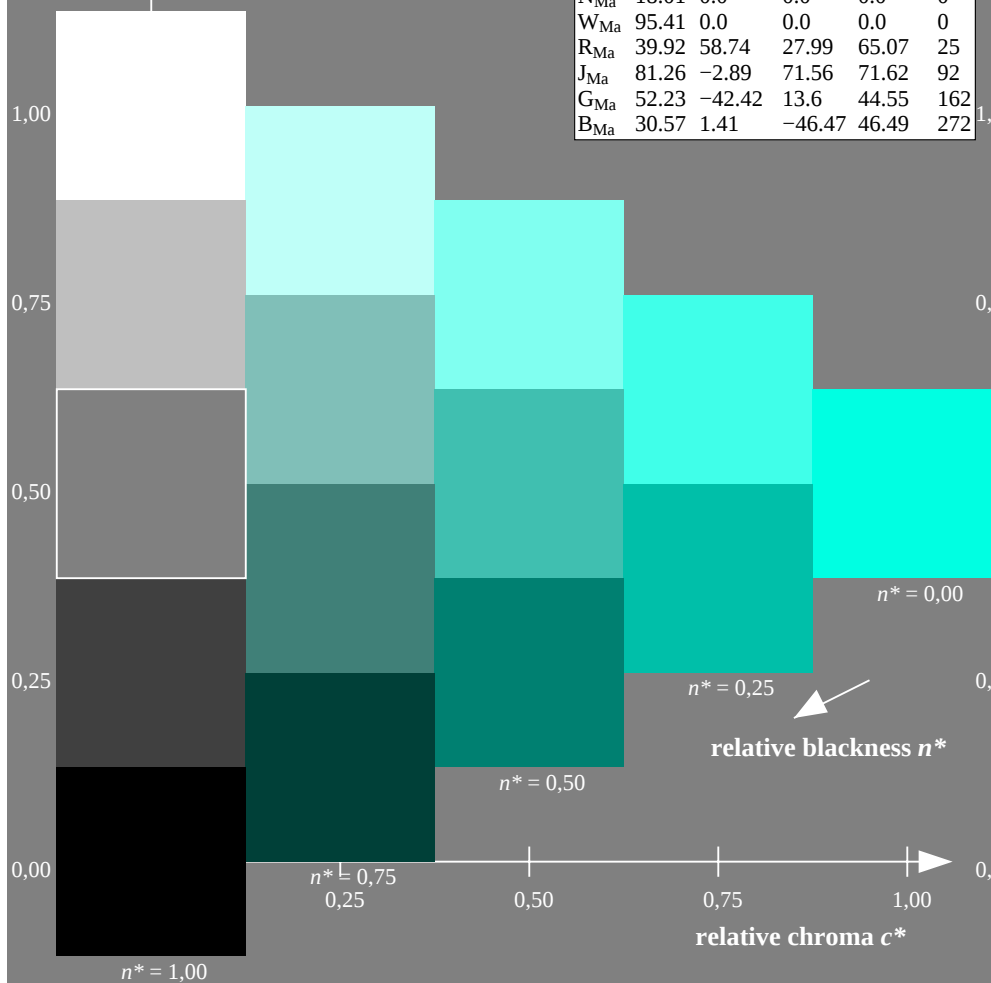
$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18a; adapted (a) CIELAB data					
u^*	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	53.62	74.08	35.3	82.06	25
r25j	57.85	59.96	54.35	80.93	42
r50j	67.48	37.89	62.8	73.34	59
r75j	76.12	18.07	70.39	72.67	76
j00g	85.39	-3.17	78.52	78.58	92
j25g	91.28	-29.91	83.12	88.34	110
j50g	86.95	-59.09	77.66	97.59	127
j75g	84.91	-68.99	48.77	84.49	145
g00b	86.01	-56.87	18.23	59.72	162
g25b	86.95	-46.51	-7.87	47.17	190
g50b	80.75	-30.89	-23.26	38.67	217
g75b	73.89	-16.38	-34.13	37.86	244
b00r	65.47	1.44	-47.49	47.51	272
b25r	43.55	47.82	-82.25	95.15	300
b50r	58.93	89.11	-54.38	104.39	329
b75r	55.96	80.69	-4.17	80.8	357



Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$

data for any colour:

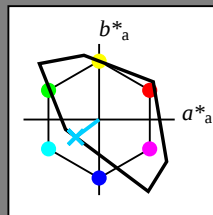
lab^*tch^* and lab^*ncu^*

elementary and device

hue text:

$u^* = g50b$ $d^* = c19v$

triangle lightness t^*



TLS18a; adapted (a) CIELAB data					
Name	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.03	84.97	87.3	103
L _{Ma}	84.0	-78.99	73.94	108.2	137
C _{Ma}	87.14	-44.42	-13.12	46.32	196
V _{Ma}	35.47	64.92	-95.07	115.12	304
M _{Ma}	59.01	89.33	-55.68	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 81 -31 -23

$LAB^*LCH^*_{Ma}$: 81 39 216

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

$lab^*olv^*_{Ma}$: 0.0 0.81 1.0

triangle lightness t^*

% Gamut

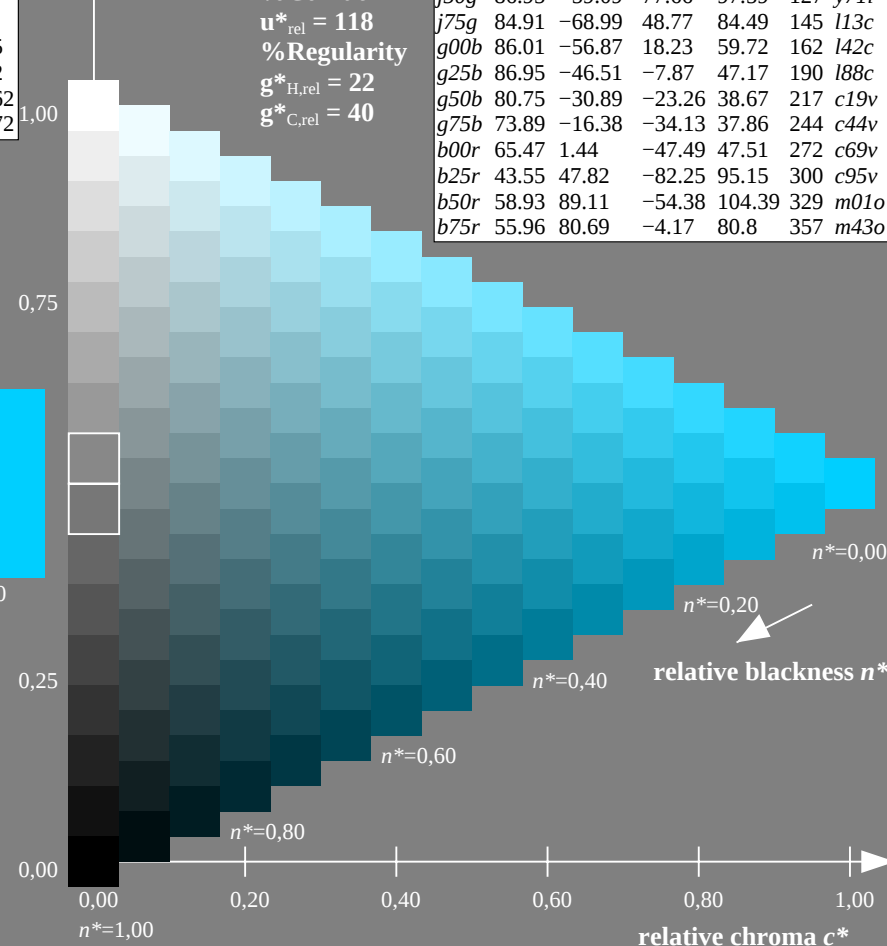
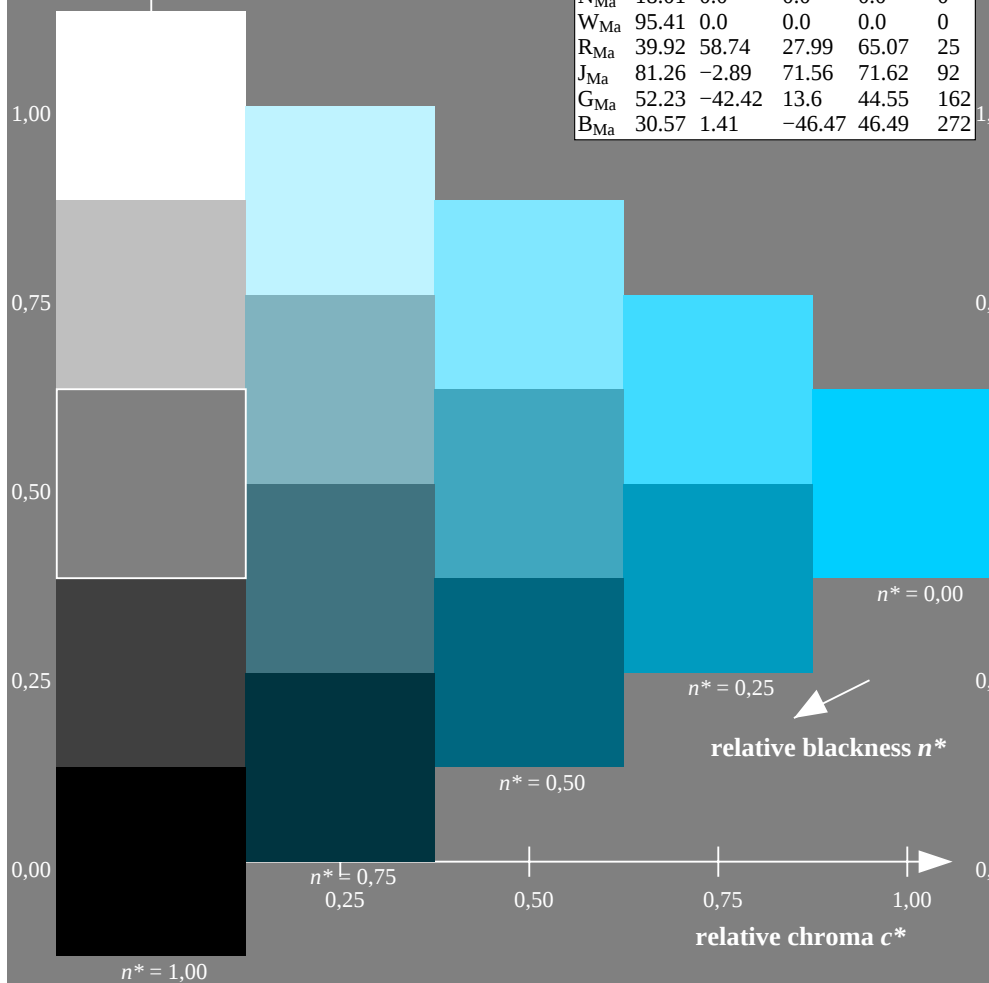
$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18a; adapted (a) CIELAB data					
u^*	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	53.62	74.08	35.3	82.06	25
r25j	57.85	59.96	54.35	80.93	42
r50j	67.48	37.89	62.8	73.34	59
r75j	76.12	18.07	70.39	72.67	76
j00g	85.39	-3.17	78.52	78.58	92
j25g	91.28	-29.91	83.12	88.34	110
j50g	86.95	-59.09	77.66	97.59	127
j75g	84.91	-68.99	48.77	84.49	145
g00b	86.01	-56.87	18.23	59.72	162
g25b	86.95	-46.51	-7.87	47.17	190
g50b	80.75	-30.89	-23.26	38.67	217
g75b	73.89	-16.38	-34.13	37.86	244
b00r	65.47	1.44	-47.49	47.51	272
b25r	43.55	47.82	-82.25	95.15	300
b50r	58.93	89.11	-54.38	104.39	329
b75r	55.96	80.69	-4.17	80.8	357



Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$

data for any colour:

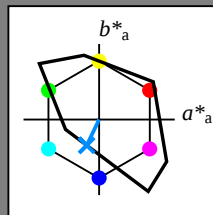
lab^*tch^* and lab^*ncu^*

elementary and device

hue text:

$u^* = g75b$ $d^* = c44v$

triangle lightness t^*



TLS18a; adapted (a) CIELAB data					
Name	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.03	84.97	87.3	103
L _{Ma}	84.0	-78.99	73.94	108.2	137
C _{Ma}	87.14	-44.42	-13.12	46.32	196
V _{Ma}	35.47	64.92	-95.07	115.12	304
M _{Ma}	59.01	89.33	-55.68	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 74 -16 -34

$LAB^*LCH^*_{Ma}$: 74 38 244

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

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

triangle lightness t^*

% Gamut

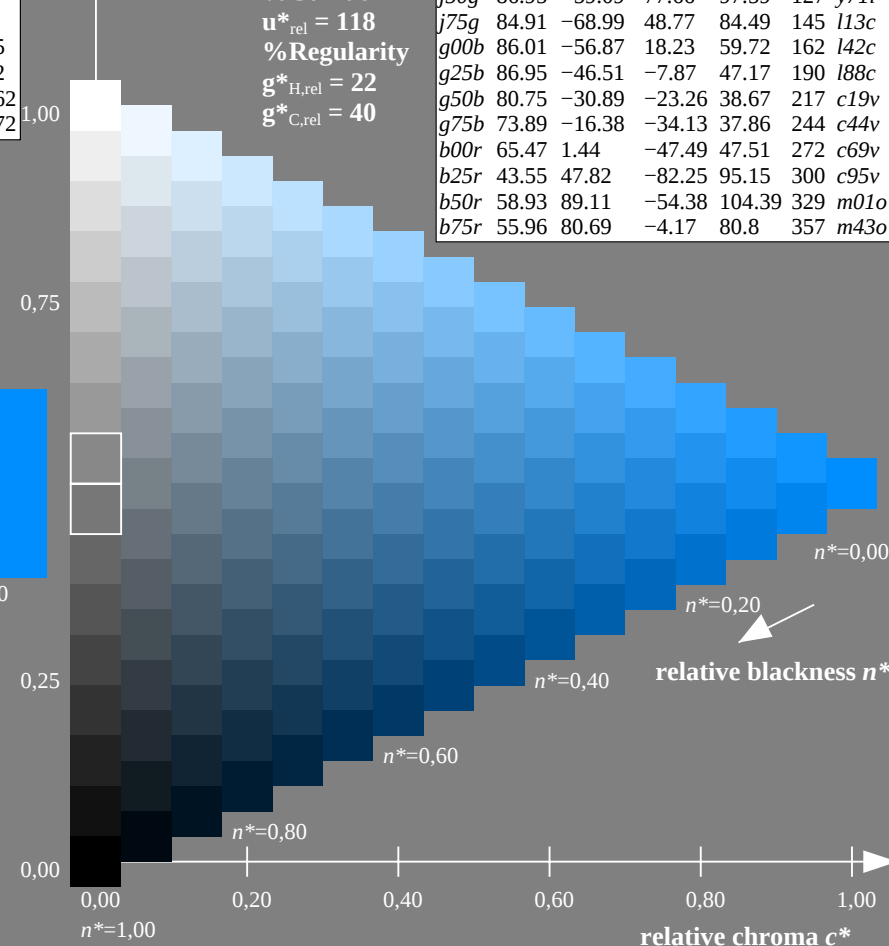
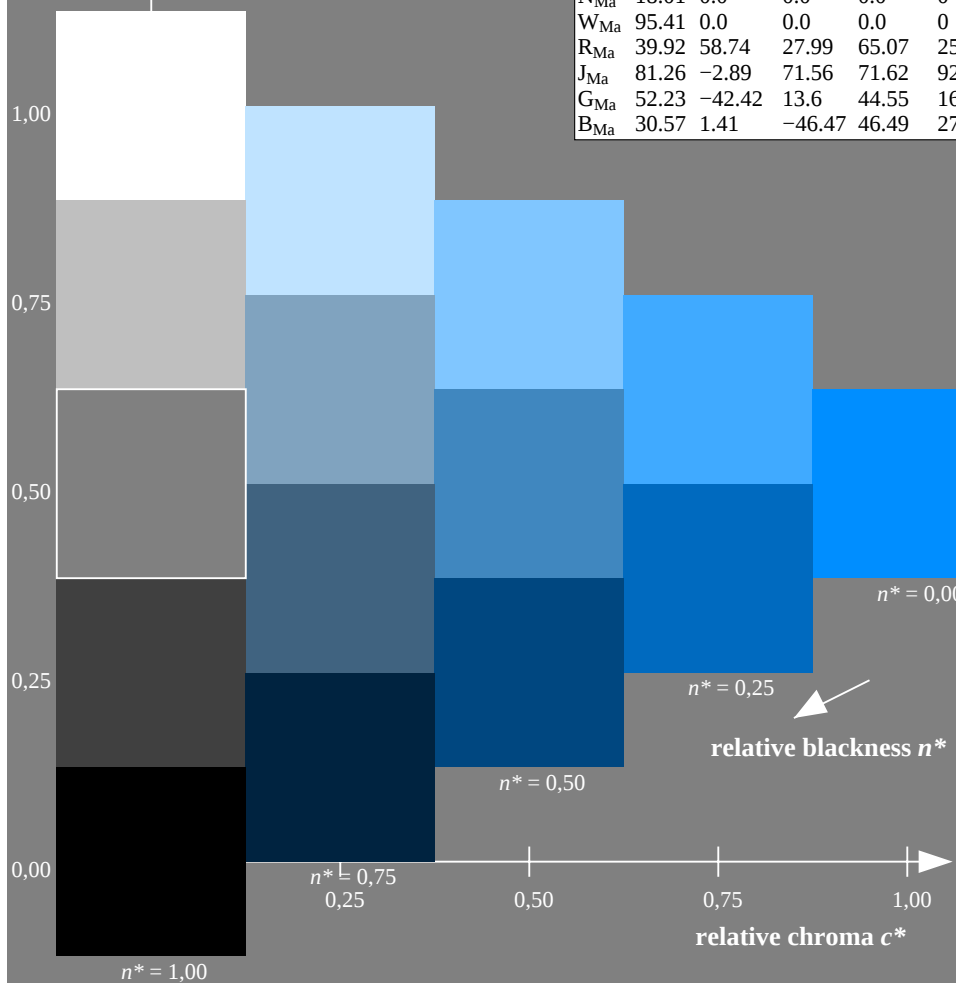
$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18a; adapted (a) CIELAB data					
u^*	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	53.62	74.08	35.3	82.06	25
r25j	57.85	59.96	54.35	80.93	42
r50j	67.48	37.89	62.8	73.34	59
r75j	76.12	18.07	70.39	72.67	76
j00g	85.39	-3.17	78.52	78.58	92
j25g	91.28	-29.91	83.12	88.34	110
j50g	86.95	-59.09	77.66	97.59	127
j75g	84.91	-68.99	48.77	84.49	145
g00b	86.01	-56.87	18.23	59.72	162
g25b	86.95	-46.51	-7.87	47.17	190
g50b	80.75	-30.89	-23.26	38.67	217
g75b	73.89	-16.38	-34.13	37.86	244
b00r	65.47	1.44	-47.49	47.51	272
b25r	43.55	47.82	-82.25	95.15	300
b50r	58.93	89.11	-54.38	104.39	329
b75r	55.96	80.69	-4.17	80.8	357



Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

data for any colour:

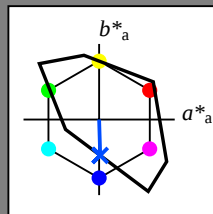
lab^*tch^* and lab^*ncu^*

elementary and device

hue text:

$u^* = b00r$ $d^* = c69v$

triangle lightness t^*



TLS18a; adapted (a) CIELAB data					
Name	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.03	84.97	87.3	103
L _{Ma}	84.0	-78.99	73.94	108.2	137
C _{Ma}	87.14	-44.42	-13.12	46.32	196
V _{Ma}	35.47	64.92	-95.07	115.12	304
M _{Ma}	59.01	89.33	-55.68	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 65 1 -47

$LAB^*LCH^*_{Ma}$: 65 48 271

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

$lab^*olv^*_{Ma}$: 0.0 0.3 1.0

triangle lightness t^*

% Gamut

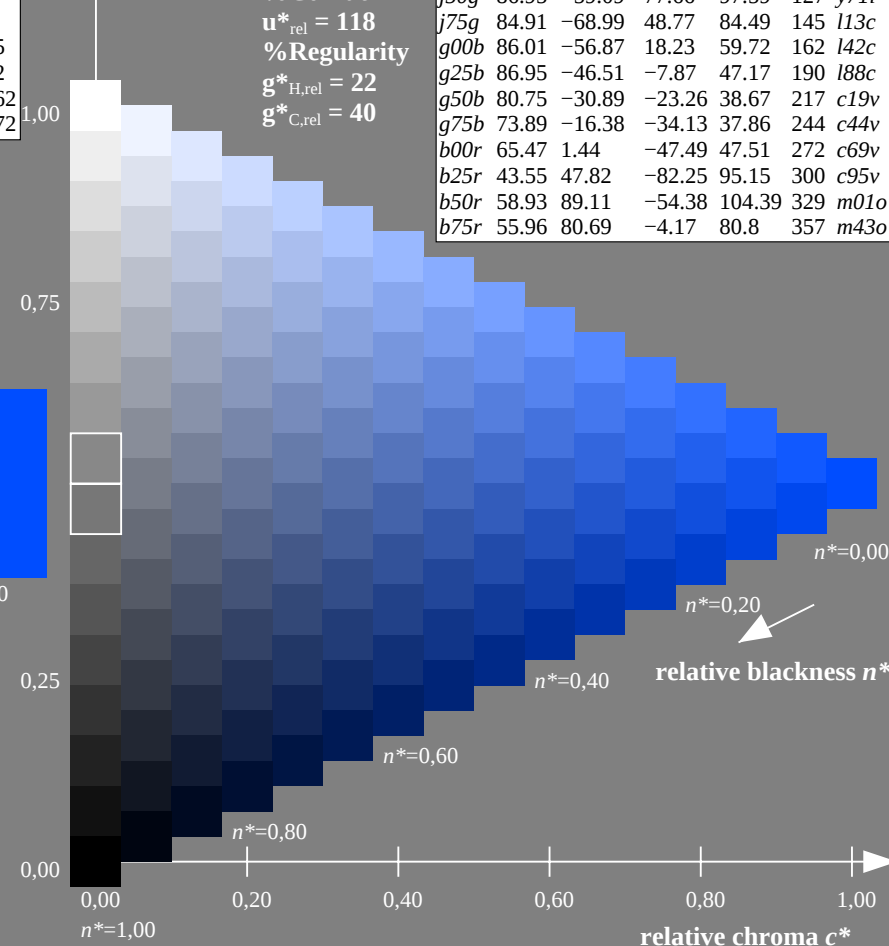
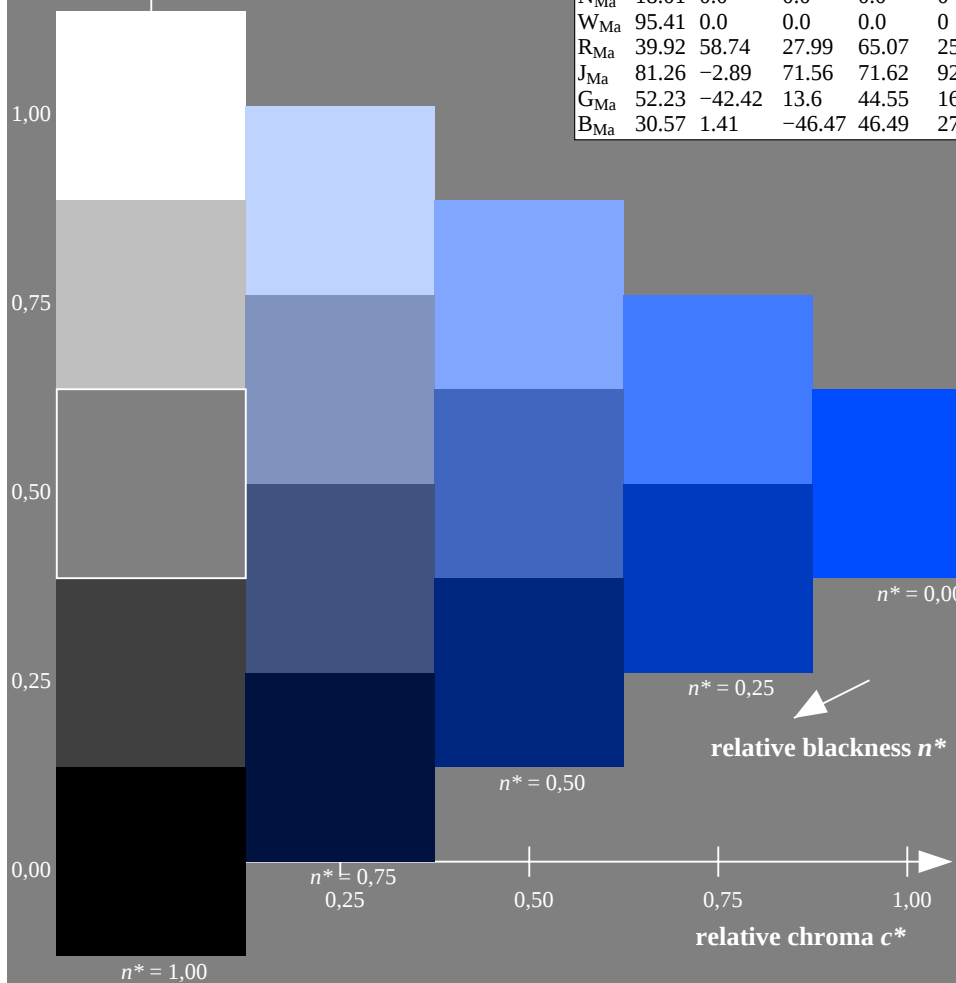
$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18a; adapted (a) CIELAB data					
u^*	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	53.62	74.08	35.3	82.06	25
r25j	57.85	59.96	54.35	80.93	42
r50j	67.48	37.89	62.8	73.34	59
r75j	76.12	18.07	70.39	72.67	76
j00g	85.39	-3.17	78.52	78.58	92
j25g	91.28	-29.91	83.12	88.34	110
j50g	86.95	-59.09	77.66	97.59	127
j75g	84.91	-68.99	48.77	84.49	145
g00b	86.01	-56.87	18.23	59.72	162
g25b	86.95	-46.51	-7.87	47.17	190
g50b	80.75	-30.89	-23.26	38.67	217
g75b	73.89	-16.38	-34.13	37.86	244
b00r	65.47	1.44	-47.49	47.51	272
b25r	43.55	47.82	-82.25	95.15	300
b50r	58.93	89.11	-54.38	104.39	329
b75r	55.96	80.69	-4.17	80.8	357



Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$

data for any colour:

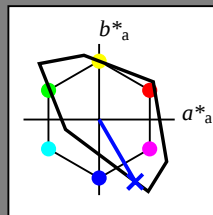
lab^*tch^* and lab^*ncu^*

elementary and device

hue text:

$u^* = b25r$ $d^* = c95v$

triangle lightness t^*



TLS18a; adapted (a) CIELAB data					
Name	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.03	84.97	87.3	103
LMa	84.0	-78.99	73.94	108.2	137
CMa	87.14	-44.42	-13.12	46.32	196
VMa	35.47	64.92	-95.07	115.12	304
MMa	59.01	89.33	-55.68	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RMa	39.92	58.74	27.99	65.07	25
JMa	81.26	-2.89	71.56	71.62	92
GMa	52.23	-42.42	13.6	44.55	162
BMa	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 44 48 -82

$LAB^*LCH^*_{Ma}$: 44 95 300

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

$lab^*olv^*_{Ma}$: 0.0 0.04 1.0

triangle lightness t^*

% Gamut

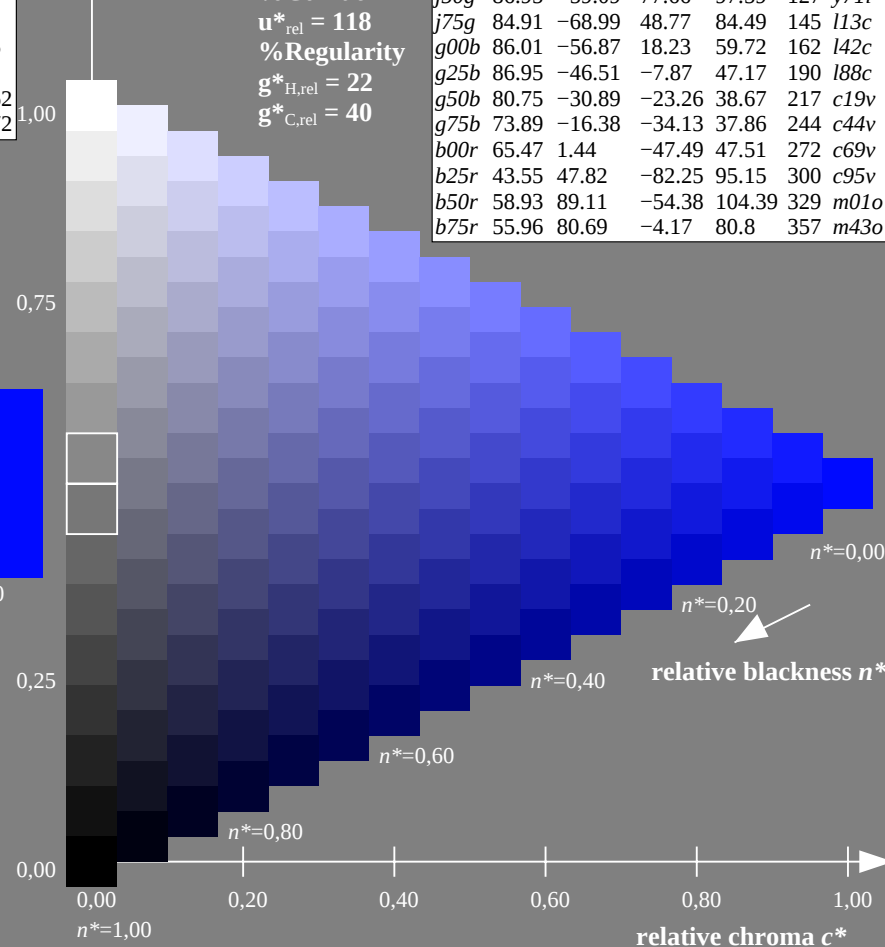
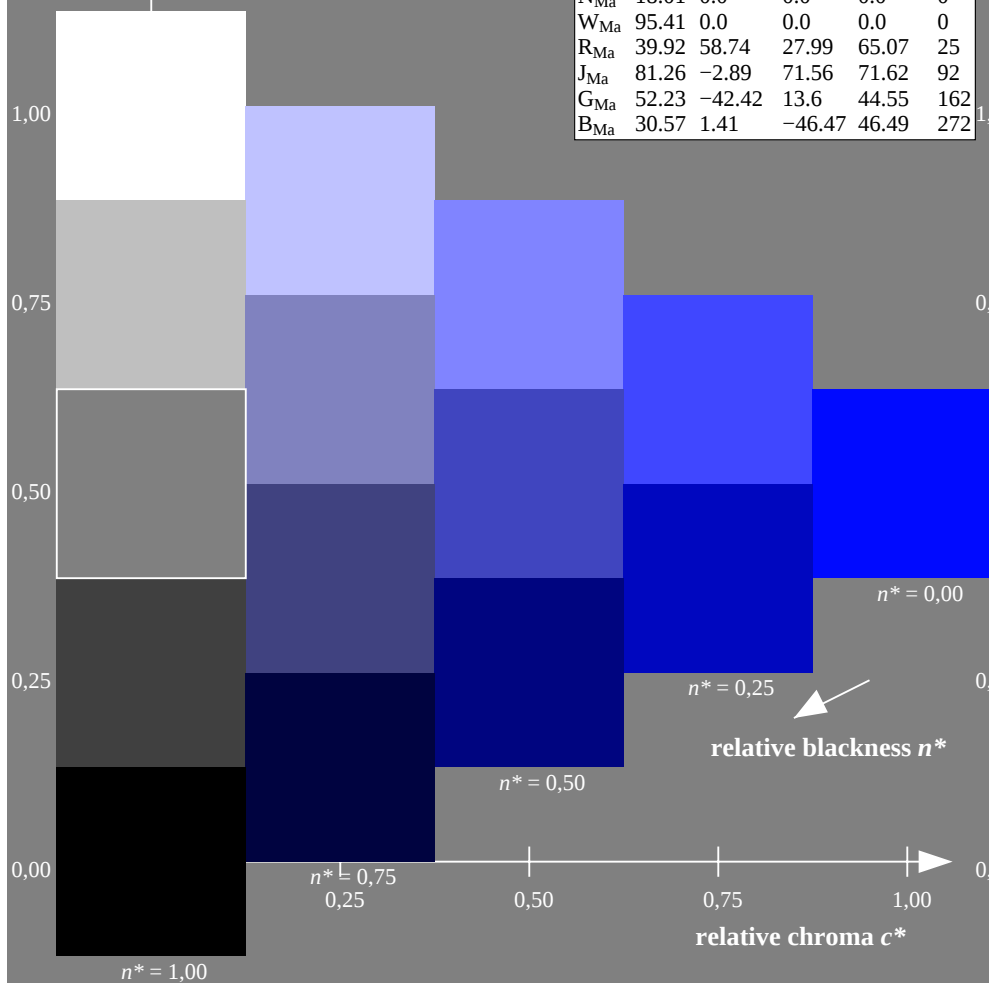
$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18a; adapted (a) CIELAB data						
u^*	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	d^*
r00j	53.62	74.08	35.3	82.06	25	m85o
r25j	57.85	59.96	54.35	80.93	42	o11y
r50j	67.48	37.89	62.8	73.34	59	o35y
r75j	76.12	18.07	70.39	72.67	76	o59y
j00g	85.39	-3.17	78.52	78.58	92	o83y
j25g	91.28	-29.91	83.12	88.34	110	y19l
j50g	86.95	-59.09	77.66	97.59	127	y71l
j75g	84.91	-68.99	48.77	84.49	145	l13c
g00b	86.01	-56.87	18.23	59.72	162	l42c
g25b	86.95	-46.51	-7.87	47.17	190	l88c
g50b	80.75	-30.89	-23.26	38.67	217	c19v
g75b	73.89	-16.38	-34.13	37.86	244	c44v
b00r	65.47	1.44	-47.49	47.51	272	c69v
b25r	43.55	47.82	-82.25	95.15	300	c95v
b50r	58.93	89.11	-54.38	104.39	329	m01o
b75r	55.96	80.69	-4.17	80.8	357	m43o



IE580-7N

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$

data for any colour:

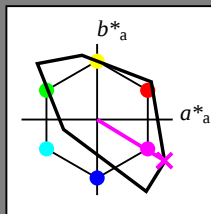
lab^*tch^* and lab^*ncu^*

elementary and device

hue text:

$u^* = b50r$ $d^* = m01o$

triangle lightness t^*



TLS18a; adapted (a) CIELAB data					
Name	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.03	84.97	87.3	103
L _{Ma}	84.0	-78.99	73.94	108.2	137
C _{Ma}	87.14	-44.42	-13.12	46.32	196
V _{Ma}	35.47	64.92	-95.07	115.12	304
M _{Ma}	59.01	89.33	-55.68	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 59 89 -54

$LAB^*LCH^*_{Ma}$: 59 104 328

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

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

triangle lightness t^*

% Gamut

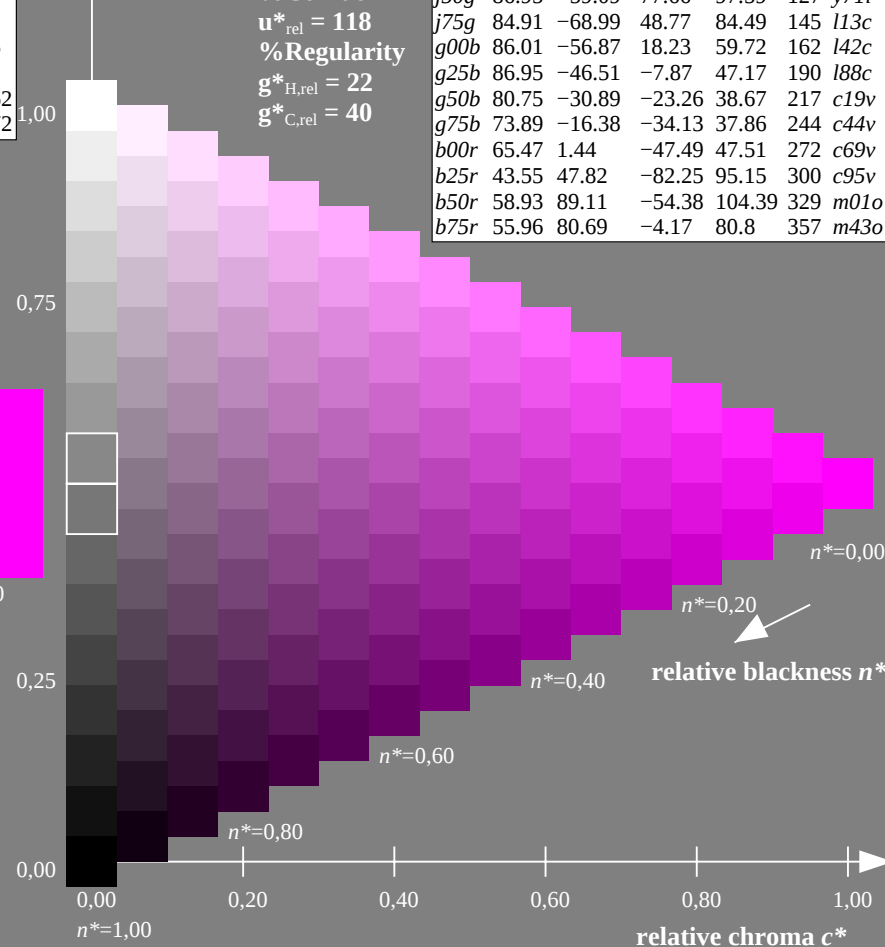
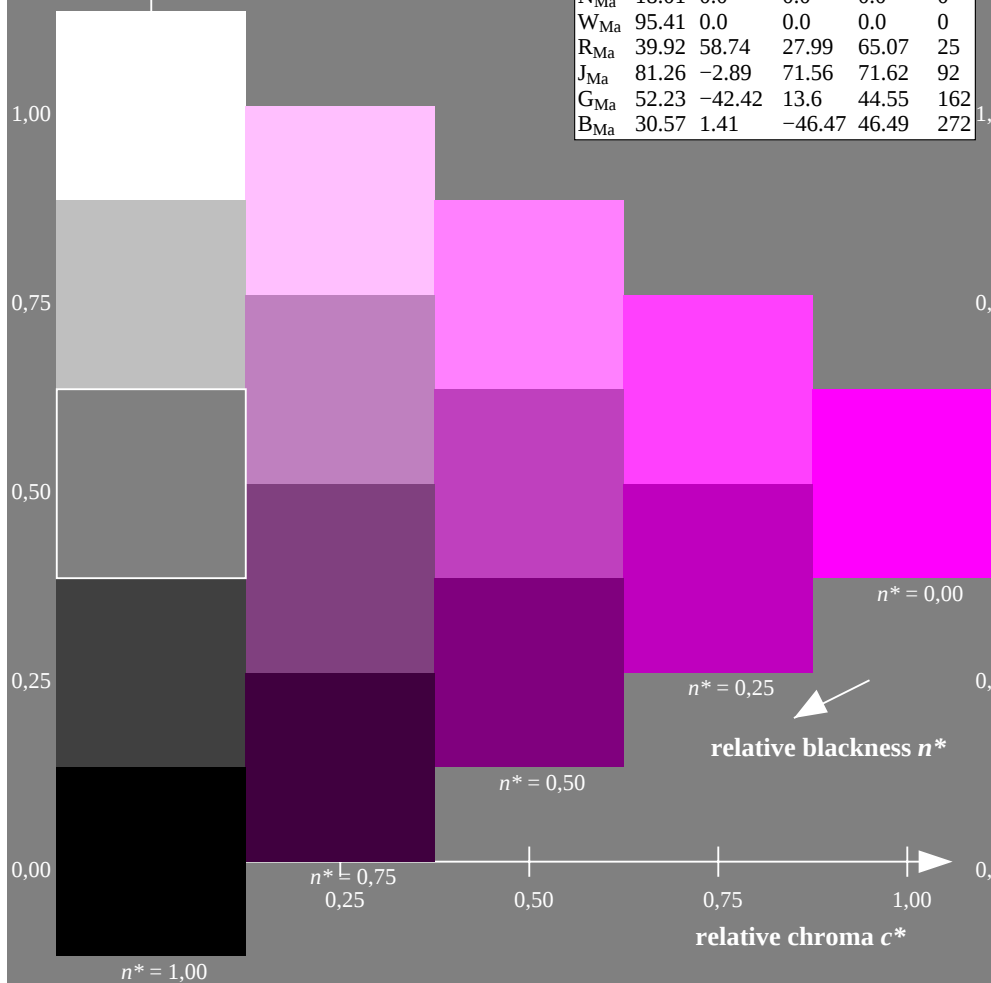
$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18a; adapted (a) CIELAB data					
u^*	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	53.62	74.08	35.3	82.06	25
r25j	57.85	59.96	54.35	80.93	42
r50j	67.48	37.89	62.8	73.34	59
r75j	76.12	18.07	70.39	72.67	76
j00g	85.39	-3.17	78.52	78.58	92
j25g	91.28	-29.91	83.12	88.34	110
j50g	86.95	-59.09	77.66	97.59	127
j75g	84.91	-68.99	48.77	84.49	145
g00b	86.01	-56.87	18.23	59.72	162
g25b	86.95	-46.51	-7.87	47.17	190
g50b	80.75	-30.89	-23.26	38.67	217
g75b	73.89	-16.38	-34.13	37.86	244
b00r	65.47	1.44	-47.49	47.51	272
b25r	43.55	47.82	-82.25	95.15	300
b50r	58.93	89.11	-54.38	104.39	329
b75r	55.96	80.69	-4.17	80.8	357



IE580-7N

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$

data for any colour:

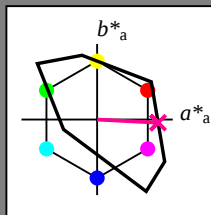
lab^*tch^* and lab^*ncu^*

elementary and device

hue text:

$u^* = b75r$ $d^* = m43o$

triangle lightness t^*



TLS18a; adapted (a) CIELAB data					
Name	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.03	84.97	87.3	103
L _{Ma}	84.0	-78.99	73.94	108.2	137
C _{Ma}	87.14	-44.42	-13.12	46.32	196
V _{Ma}	35.47	64.92	-95.07	115.12	304
M _{Ma}	59.01	89.33	-55.68	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 81 -4

$LAB^*LCH^*_{Ma}$: 56 81 357

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 118$

% Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18a; adapted (a) CIELAB data					
u^*	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	53.62	74.08	35.3	82.06	25
r25j	57.85	59.96	54.35	80.93	42
r50j	67.48	37.89	62.8	73.34	59
r75j	76.12	18.07	70.39	72.67	76
j00g	85.39	-3.17	78.52	78.58	92
j25g	91.28	-29.91	83.12	88.34	110
j50g	86.95	-59.09	77.66	97.59	127
j75g	84.91	-68.99	48.77	84.49	145
g00b	86.01	-56.87	18.23	59.72	162
g25b	86.95	-46.51	-7.87	47.17	190
g50b	80.75	-30.89	-23.26	38.67	217
g75b	73.89	-16.38	-34.13	37.86	244
b00r	65.47	1.44	-47.49	47.51	272
b25r	43.55	47.82	-82.25	95.15	300
b50r	58.93	89.11	-54.38	104.39	329
b75r	55.96	80.69	-4.17	80.8	357

