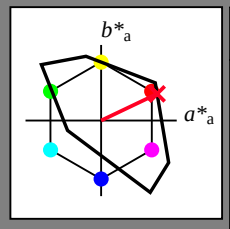
Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.071** **u* = r00j**

data for any colour:
lab*tch* **and** ***lab*ncu**** **elementary and device hue text:**
u* = r00j ***d* = m85o***



TLS18a; adapted (a) CIELAB data

Name	*L*=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

triangle lightness *t**

1,00
0,75
0,50
0,25
0,00

*n** = 0,00
*n** = 0,25
*n** = 0,50
*n** = 0,75
*n** = 1,00

relative blackness *n**

0,25 0,50 0,75 1,00
relative chroma *c*

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*=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*

1,00
0,75
0,25
0,00

*n**=0,00
*n**=0,20
*n**=0,40
*n**=0,60
*n**=0,80
*n**=1,00

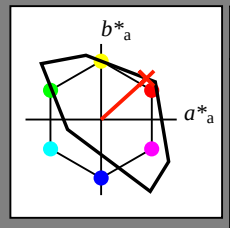
relative blackness *n**

0,00 0,20 0,40 0,60 0,80 1,00
relative chroma *c*

IE580−7N

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.117** **u* = r25j**

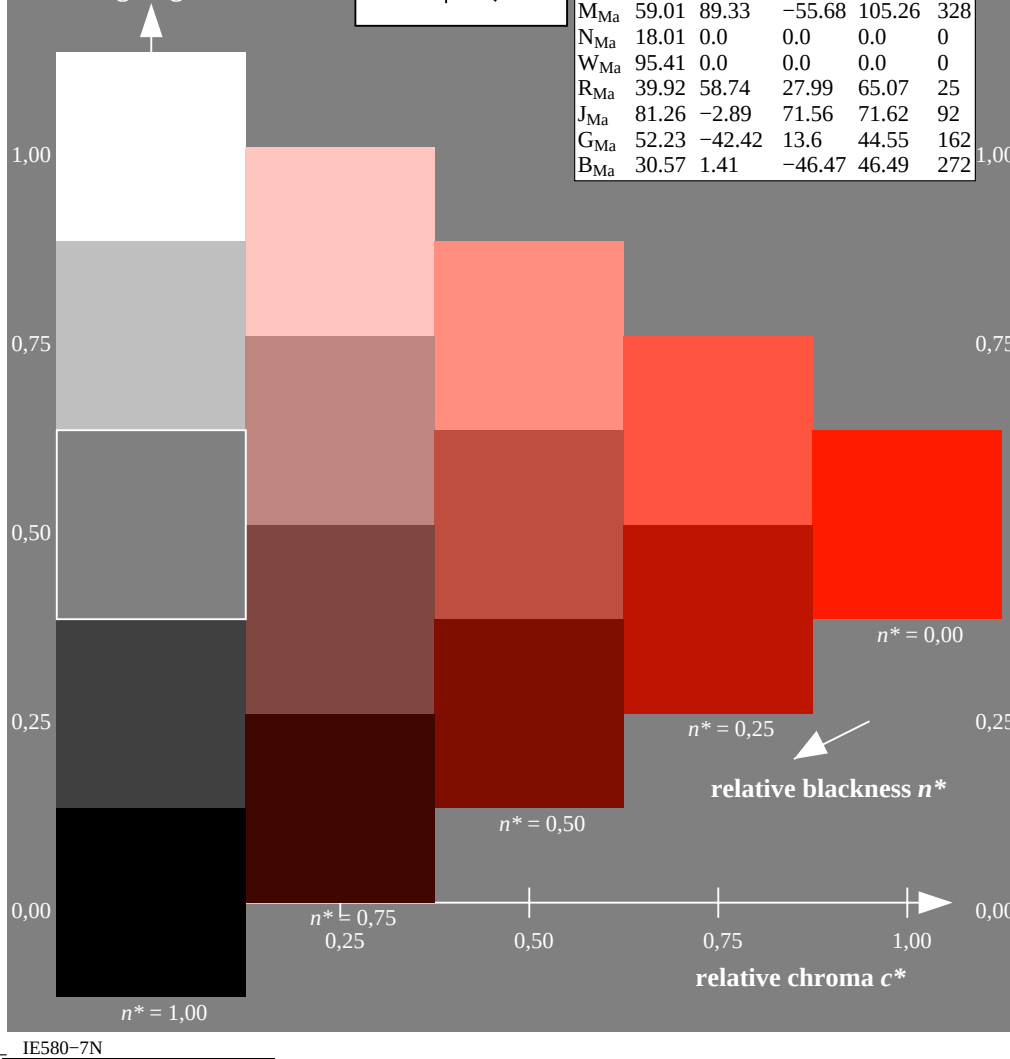
data for any colour:
lab*tch* **and** ***lab*ncu**** **elementary and device hue text:**
u* = r25j ***d* = o11y***



TLS18a; adapted (a) CIELAB data

Name	*L*=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

triangle lightness *t**



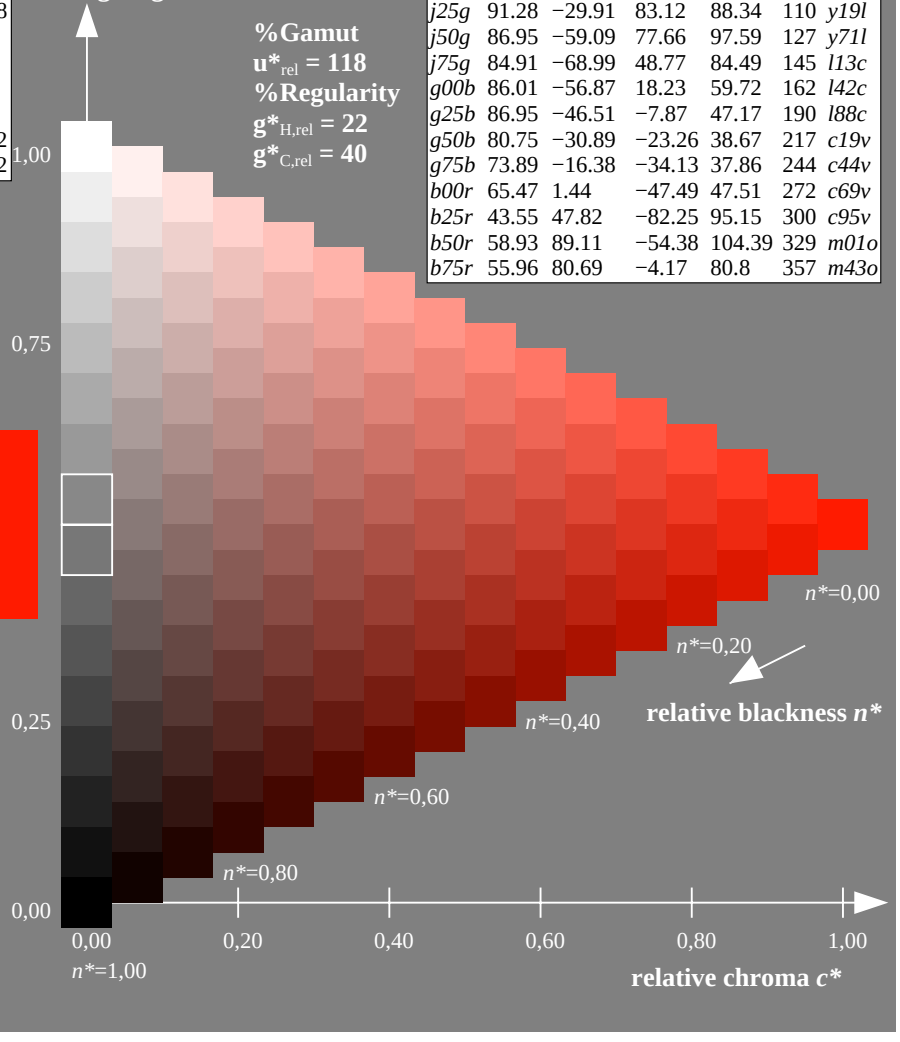
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 58 60 54**
LAB*LCH*$_{Ma}$**: 58 81 42**
lab*rgb*$_{Ma}$**: 1.0 0.25 0.0**
lab*olv*$_{Ma}$**: 1.0 0.11 0.0**

TLS18a; adapted (a) CIELAB data

*u**	*L*=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*

triangle lightness *t**

%Gamut
u*$_{rel}$ = 118
%Regularity
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

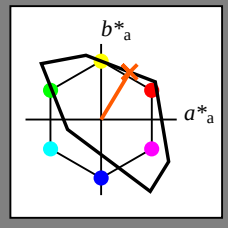


IE580−7N

input: *rgb (−>rgb*) setrgbcolor*
output: no change compared to input

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164** **u* = r50j**

data for any colour:
lab*tch* **and** ***lab*ncu**** **elementary and device hue text:**
u* = r50j ***d* = o35y***



TLS18a; adapted (a) CIELAB data

Name	*L*=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

triangle lightness *t**

1,00
0,75
0,50
0,25
0,00

*n** = 0,00
*n** = 0,25
*n** = 0,50
*n** = 0,75
*n** = 1,00

relative blackness *n**

0,25 0,50 0,75 1,00
relative chroma *c**

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*=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*

1,00
0,75
0,25
0,00

*n**=0,00
*n**=0,20
*n**=0,40
*n**=0,60
*n**=0,80
*n**=1,00

relative blackness *n**

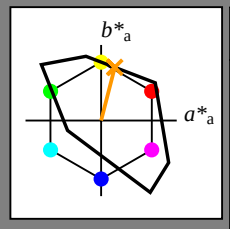
0,00 0,20 0,40 0,60 0,80 1,00
relative chroma *c**

IE580−7N

input: *rgb (−>rgb*) setrgbcolor*
output: no change compared to input

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.21** **u* = r75j**

data for any colour:
lab*tch* **and** ***lab*ncu**** **elementary and device hue text:**
u* = r75j ***d* = o59y***



TLS18a; adapted (a) CIELAB data

Name	*L*=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

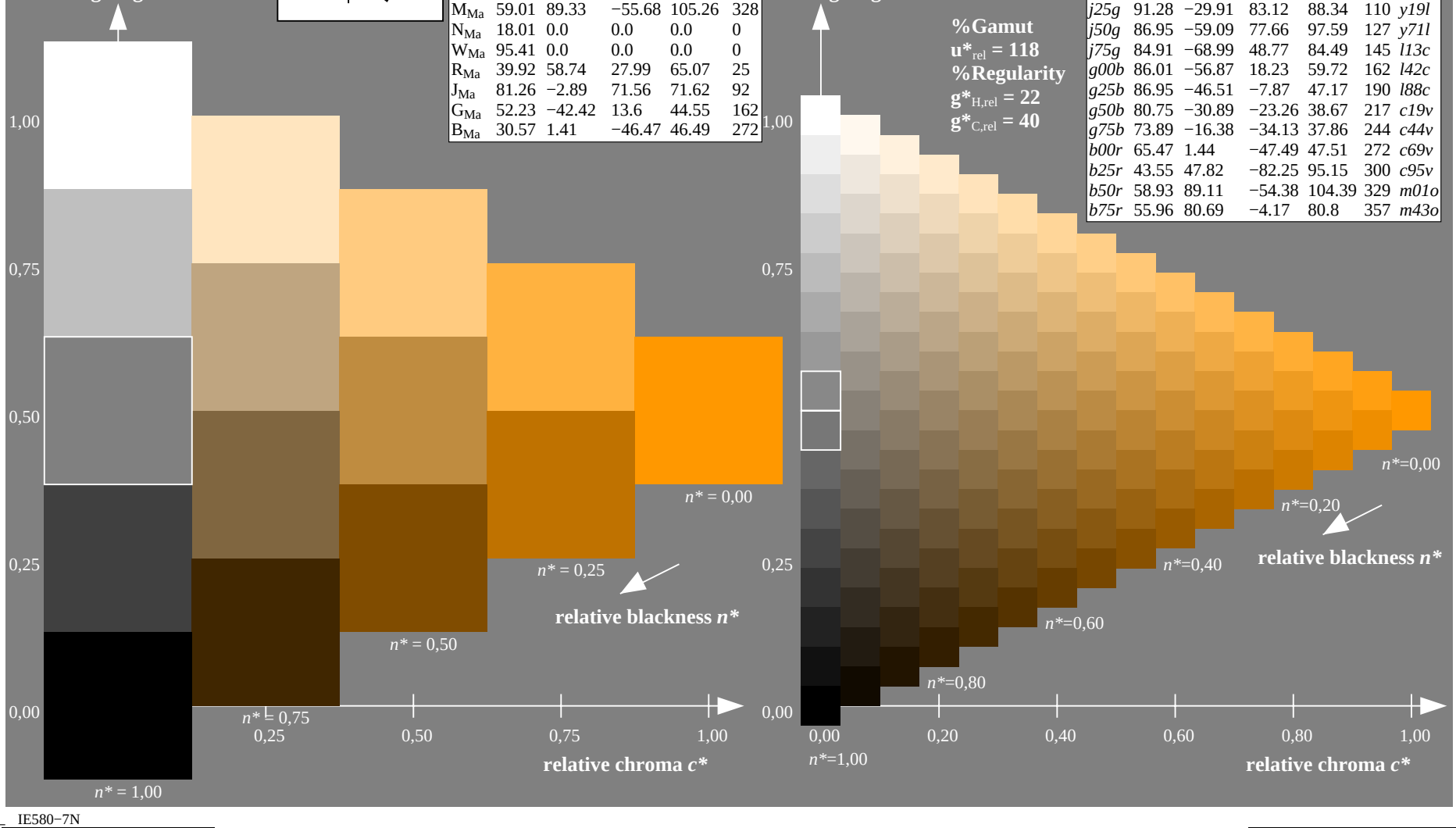
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 76 18 70**
LAB*LCH*$_{Ma}$**: 76 73 75**
lab*rgb*$_{Ma}$**: 1.0 0.75 0.0**
lab*olv*$_{Ma}$**: 1.0 0.6 0.0**

triangle lightness *t**

%Gamut
u*$_{rel}$ = 118
%Regularity
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

TLS18a; adapted (a) CIELAB data

*u**	*L*=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*

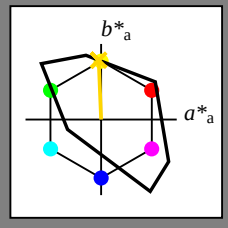


IE580−7N

input: *rgb (−>rgb*) setrgbcolor*
output: no change compared to input

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.256** **u* = j00g**

data for any colour:
lab*tch* **and** ***lab*ncu**** **elementary and device hue text:**
u* = j00g ***d* = o83y***



TLS18a; adapted (a) CIELAB data

Name	*L*=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

triangle lightness *t**

1,00
0,75
0,50
0,25
0,00

*n** = 0,00
*n** = 0,25
*n** = 0,50
*n** = 0,75
*n** = 1,00

relative blackness *n**

0,25 0,50 0,75 1,00
relative chroma *c*

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*=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*

1,00
0,75
0,25
0,00

*n**=0,00
*n**=0,20
*n**=0,40
*n**=0,60
*n**=0,80
*n**=1,00

relative blackness *n**

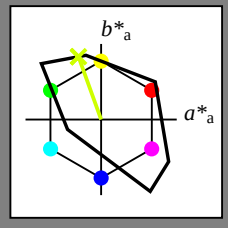
0,00 0,20 0,40 0,60 0,80 1,00
relative chroma *c*

IE580−7N

input: *rgb (−>rgb*) setrgbcolor*
output: no change compared to input

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.305** **u* = j25g**

data for any colour:
lab*tch* **and** ***lab*ncu**** **elementary and device hue text:**
u* = j25g ***d* = y19l***



TLS18a; adapted (a) CIELAB data

Name	*L*=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

triangle lightness *t**

1,00
0,75
0,50
0,25
0,00

*n** = 1,00
*n** = 0,75
*n** = 0,50
*n** = 0,25
*n** = 0,00

relative blackness *n**

0,25 0,50 0,75 1,00
relative chroma *c**

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*=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*

1,00
0,75
0,25
0,00

*n**=0,00
*n**=0,20
*n**=0,40
*n**=0,60
*n**=0,80
*n**=1,00

relative blackness *n**

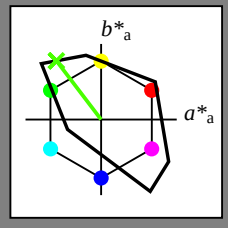
0,00 0,20 0,40 0,60 0,80 1,00
relative chroma *c**

IE580−7N

input: *rgb (−>rgb*) setrgbcolor*
output: no change compared to input

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.354** ***u* = j50g***

data for any colour:
lab*tch* **and** ***lab*ncu**** **elementary and device hue text:**
u* = j50g d* = y71l



TLS18a; adapted (a) CIELAB data

Name	*L*=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

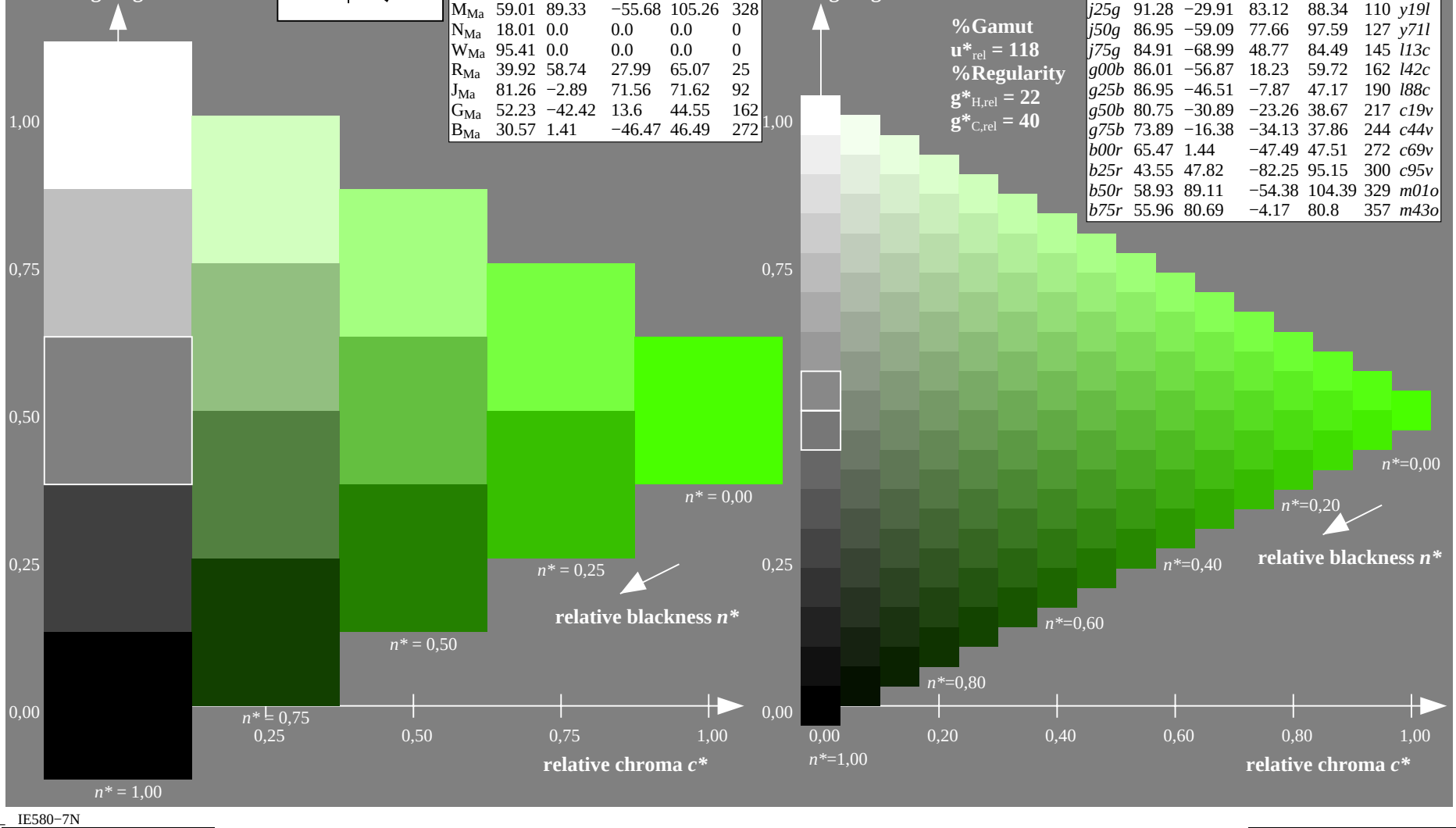
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 87 −59 78**
LAB*LCH*$_{Ma}$**: 87 98 127**
lab*rgb*$_{Ma}$**: 0.5 1.0 0.0**
lab*olv*$_{Ma}$**: 0.29 1.0 0.0**

triangle lightness *t**

%Gamut
u*$_{rel}$ = 118
%Regularity
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

TLS18a; adapted (a) CIELAB data

*u**	*L*=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*

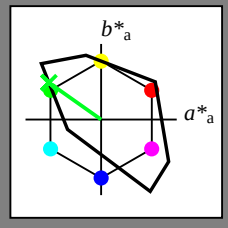


IE580−7N

input: *rgb (−>rgb*) setrgbcolor*
output: no change compared to input

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.402** **u* = j75g**

data for any colour:
lab*tch* **and** ***lab*ncu**** **elementary and device hue text:**
u* = j75g ***d* = l13c***



TLS18a; adapted (a) CIELAB data

Name	*L*=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

triangle lightness *t**

1,00
0,75
0,50
0,25
0,00

*n** = 1,00
*n** = 0,75
*n** = 0,50
*n** = 0,25
*n** = 0,00

relative blackness *n**

0,25 0,50 0,75 1,00
relative chroma *c**

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*=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*

1,00
0,75
0,25
0,00

*n**=0,00
*n**=0,20
*n**=0,40
*n**=0,60
*n**=0,80
*n**=1,00

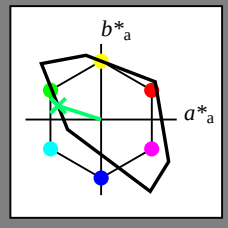
relative blackness *n**

0,00 0,20 0,40 0,60 0,80 1,00
relative chroma *c**

IE580−7N

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.451** **u* = g00b**

data for any colour:
lab*tch* **and** ***lab*ncu**** **elementary and device hue text:**
u* = g00b d* = l42c



TLS18a; adapted (a) CIELAB data

Name	*L*=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

triangle lightness *t**

1,00
0,75
0,50
0,25
0,00

*n** = 0,00
*n** = 0,25
*n** = 0,50
*n** = 0,75
*n** = 1,00

relative blackness *n**

0,25 0,50 0,75 1,00
relative chroma *c**

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*=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*

triangle lightness *t**

1,00
0,75
0,25
0,00

*n**=0,00
*n**=0,20
*n**=0,40
*n**=0,60
*n**=0,80
*n**=1,00

relative blackness *n**

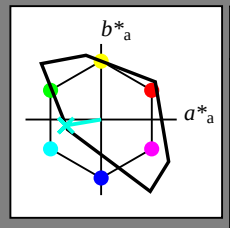
0,00 0,20 0,40 0,60 0,80 1,00
relative chroma *c**

IE580−7N

input: *rgb (−>rgb*) setrgbcolor*
output: no change compared to input

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.527** **u* = g25b**

data for any colour:
lab*tch* **and** ***lab*ncu**** **elementary and device hue text:**
u* = g25b d* = l88c



TLS18a; adapted (a) CIELAB data

Name	*L*=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

triangle lightness *t**

1,00
0,75
0,50
0,25
0,00

*n** = 0,00
*n** = 0,25
*n** = 0,50
*n** = 0,75
*n** = 1,00

relative blackness *n**

0,25 0,50 0,75 1,00
relative chroma *c**

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*=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*

1,00
0,75
0,25
0,00

*n**=0,00
*n**=0,20
*n**=0,40
*n**=0,60
*n**=0,80
*n**=1,00

relative blackness *n**

0,00 0,20 0,40 0,60 0,80 1,00
relative chroma *c**

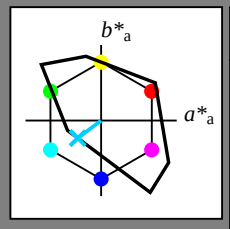
IE580−7N

input: *rgb (−>rgb*) setrgbcolor*
output: no change compared to input

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.603** **u* = g50b**

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

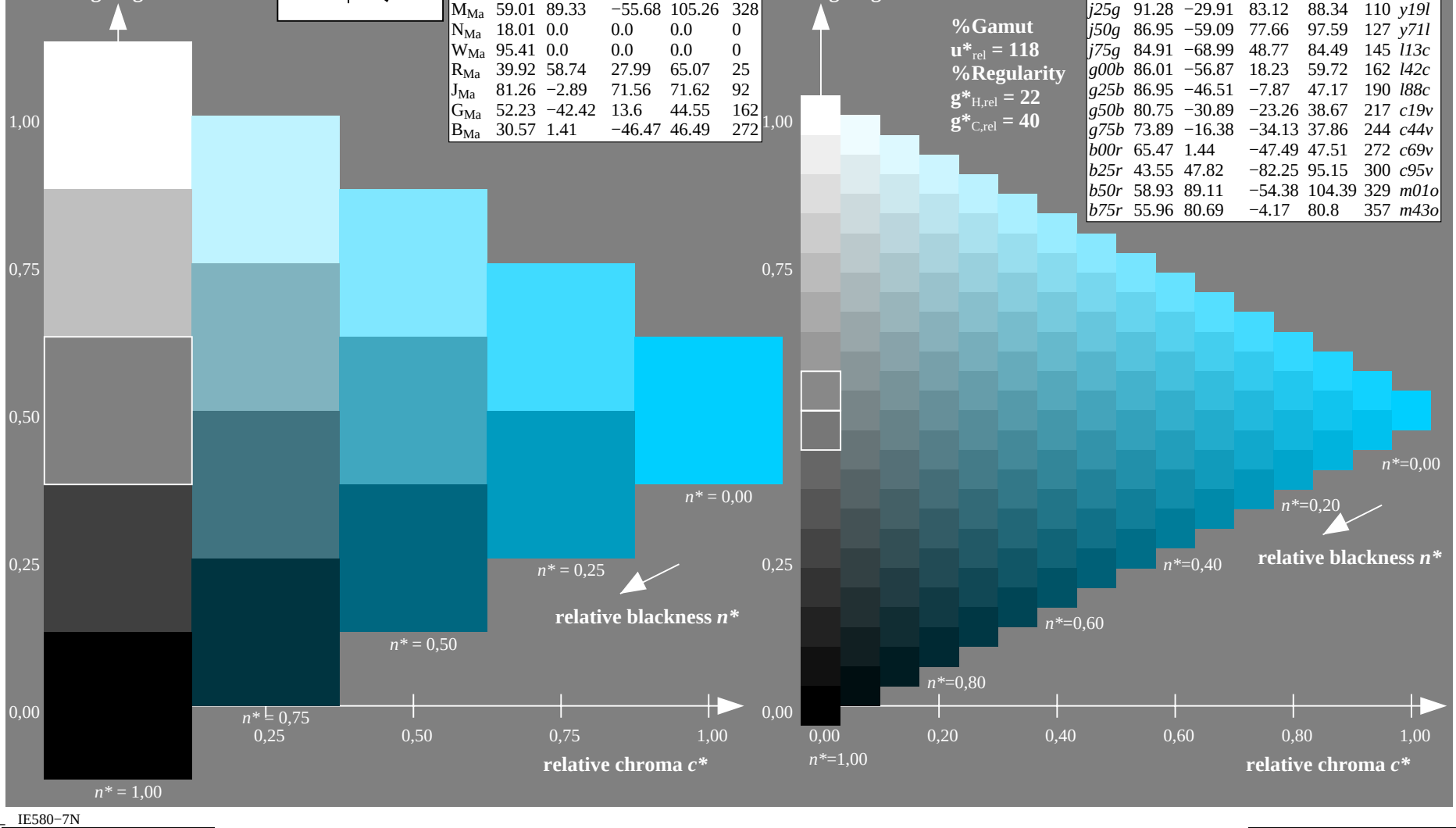
Name	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	52.76	71.63	49.88	87.29	35
Y_{Ma}	92.74	−20.03	84.97	87.3	103
L_{Ma}	84.0	−78.99	73.94	108.2	137
C_{Ma}	87.14	−44.42	−13.12	46.32	196
V_{Ma}	35.47	64.92	−95.07	115.12	304
M_{Ma}	59.01	89.33	−55.68	105.26	328
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	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*=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*

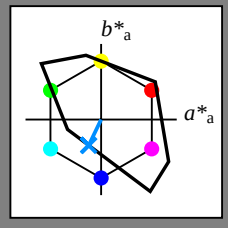


IE580−7N

input: *rgb (−>rgb*) setrgbcolor*
output: no change compared to input

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.679** **u* = g75b**

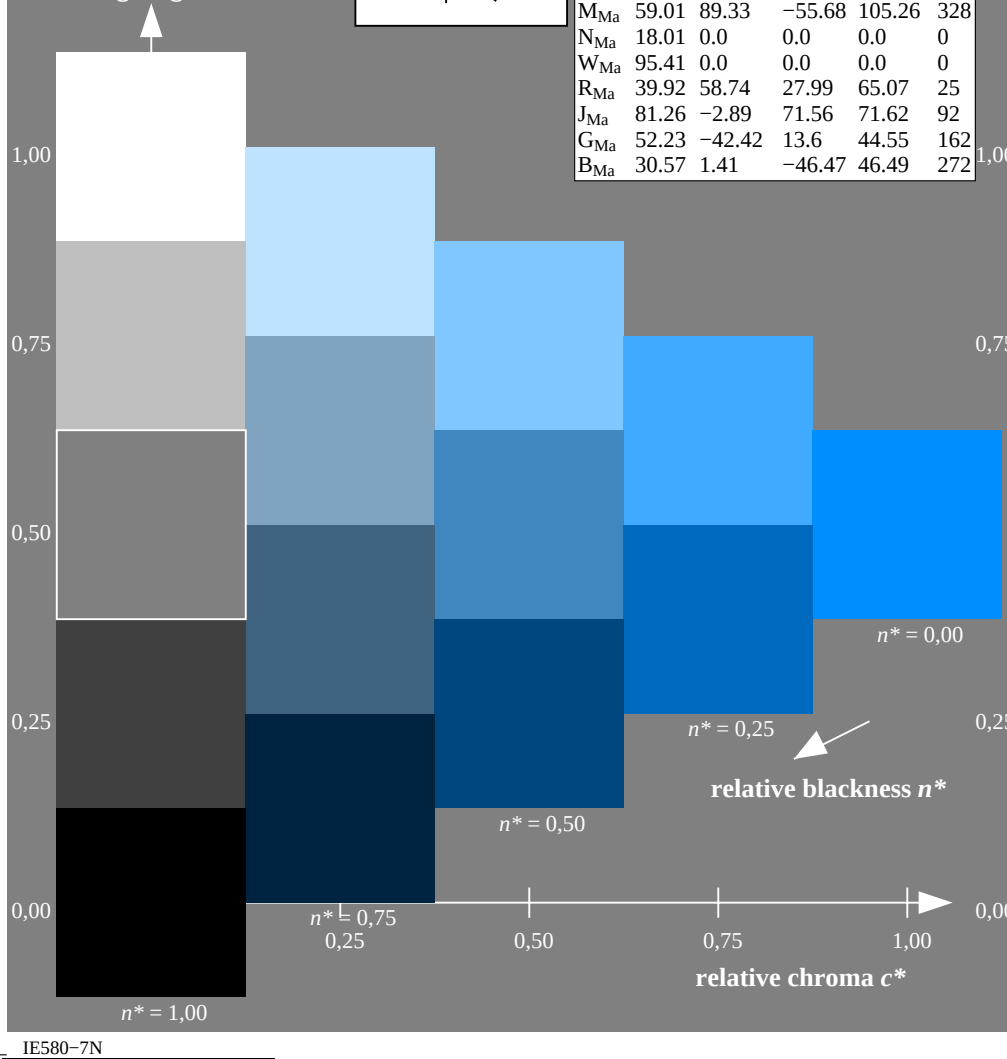
data for any colour:
lab*tch* **and** ***lab*ncu**** **elementary and device hue text:**
u* = g75b d* = c44v



TLS18a; adapted (a) CIELAB data

Name	*L*=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

triangle lightness *t**

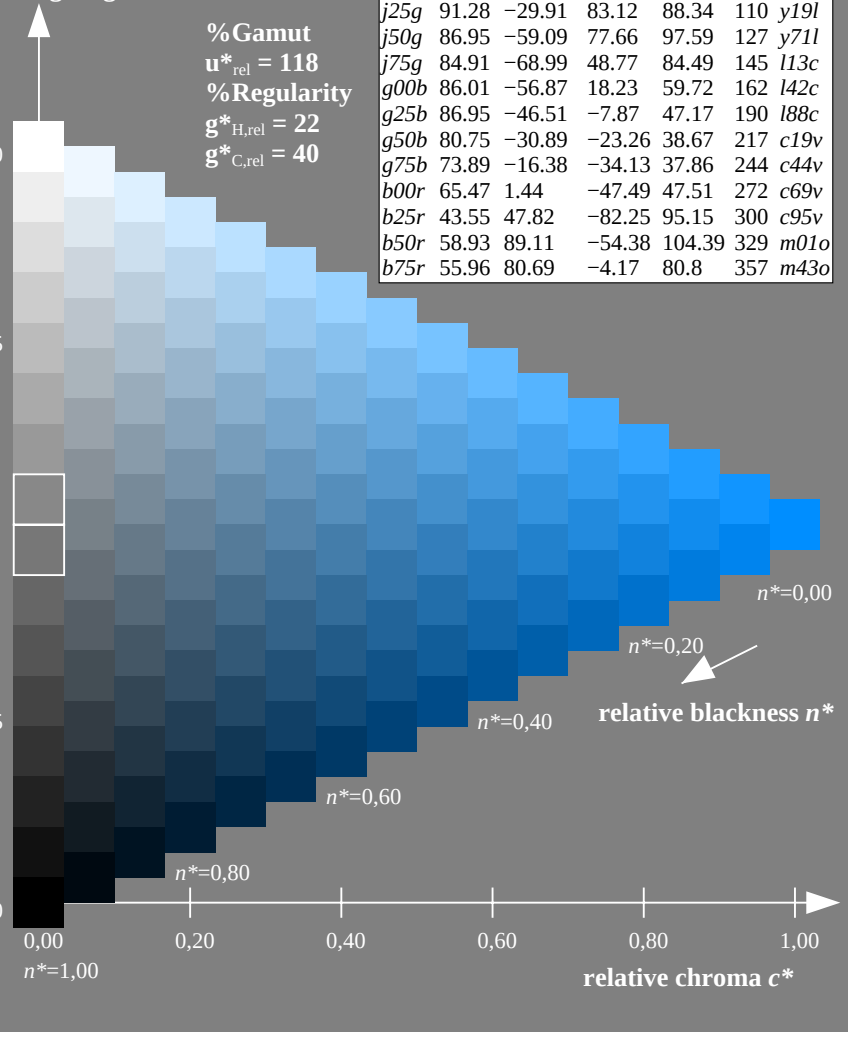


Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 74 −16 −34**
LAB*LCH*$_{Ma}$**: 74 38 244**
lab*rgb*$_{Ma}$**: 0.0 0.5 1.0**
lab*olv*$_{Ma}$**: 0.0 0.56 1.0**
triangle lightness *t**

%Gamut
u*$_{rel}$ = 118
%Regularity
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

TLS18a; adapted (a) CIELAB data

*u**	*L*=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*

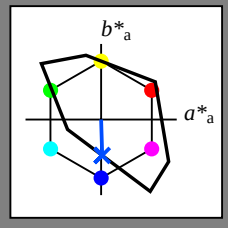


IE580−7N

input: *rgb (−>rgb*) setrgbcolor*
output: no change compared to input

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue $h^* = lab{*}h^* = h_{ab}/360 = 0.755$ **$u^* = b00r$**

data for any colour:
lab*tch* **and** ***lab*ncu**** **elementary and device hue text:**
u* = b00r d* = c69v



TLS18a; adapted (a) CIELAB data

Name	*L*=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

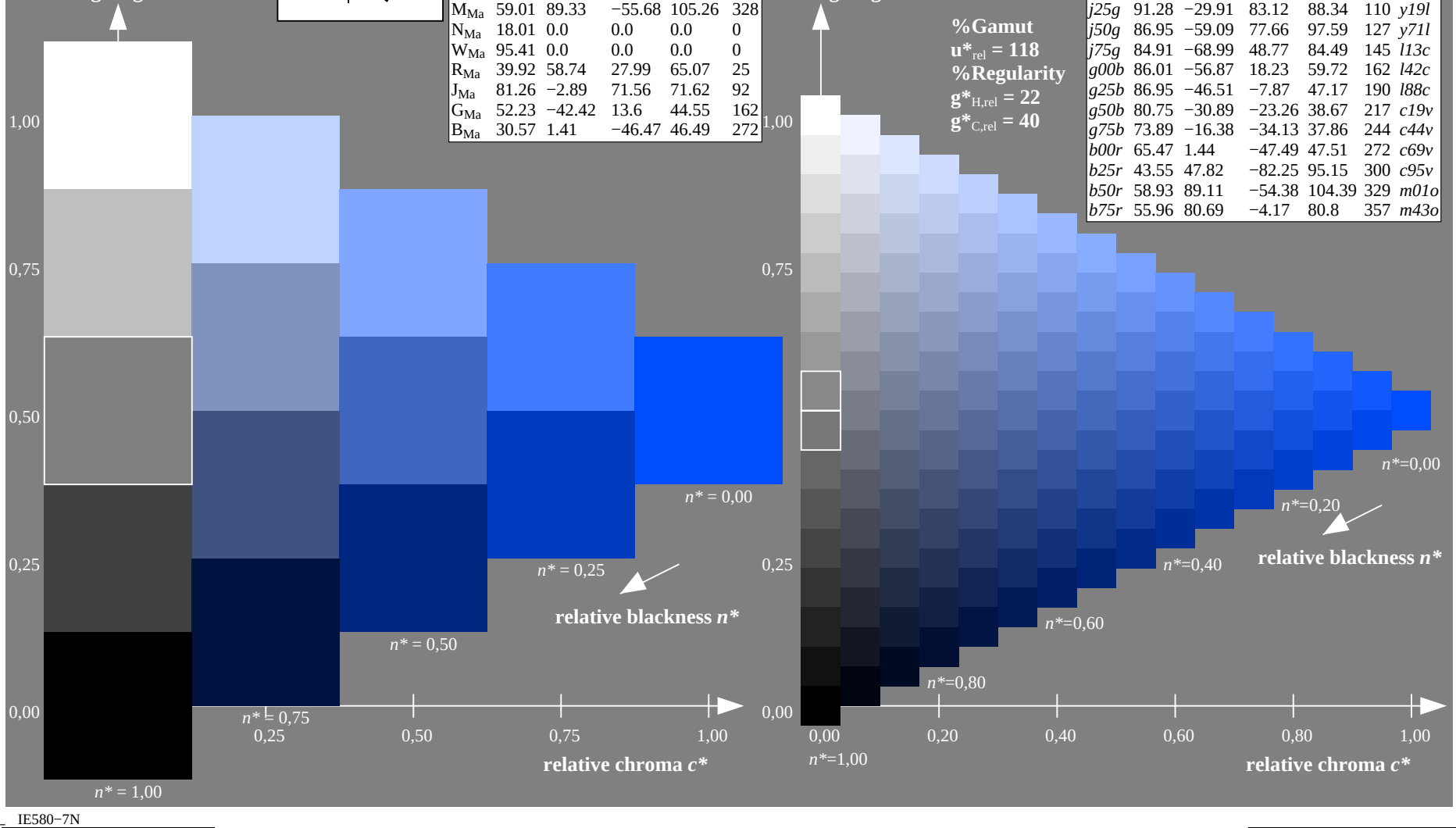
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 65 1 −47**
LAB*LCH*$_{Ma}$**: 65 48 271**
lab*rgb*$_{Ma}$**: 0.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.0 0.3 1.0**

triangle lightness *t**

%Gamut
u^*_{rel} = 118
%Regularity
$g^*_{H,rel}$ = 22
$g^*_{C,rel}$ = 40

TLS18a; adapted (a) CIELAB data

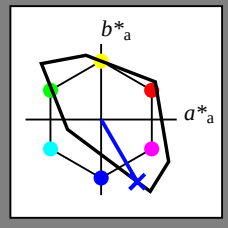
*u**	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*d**
r00j	53.62	74.08	35.3	82.06	25	*m85o*
r25j	57.85	59.96	54.35	80.93	42	*o11y*
r50j	67.48	37.89	62.8	73.34	59	*o35y*
r75j	76.12	18.07	70.39	72.67	76	*o59y*
j00g	85.39	−3.17	78.52	78.58	92	*o83y*
j25g	91.28	−29.91	83.12	88.34	110	*y19l*
j50g	86.95	−59.09	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 = 0.834** **u* = b25r**

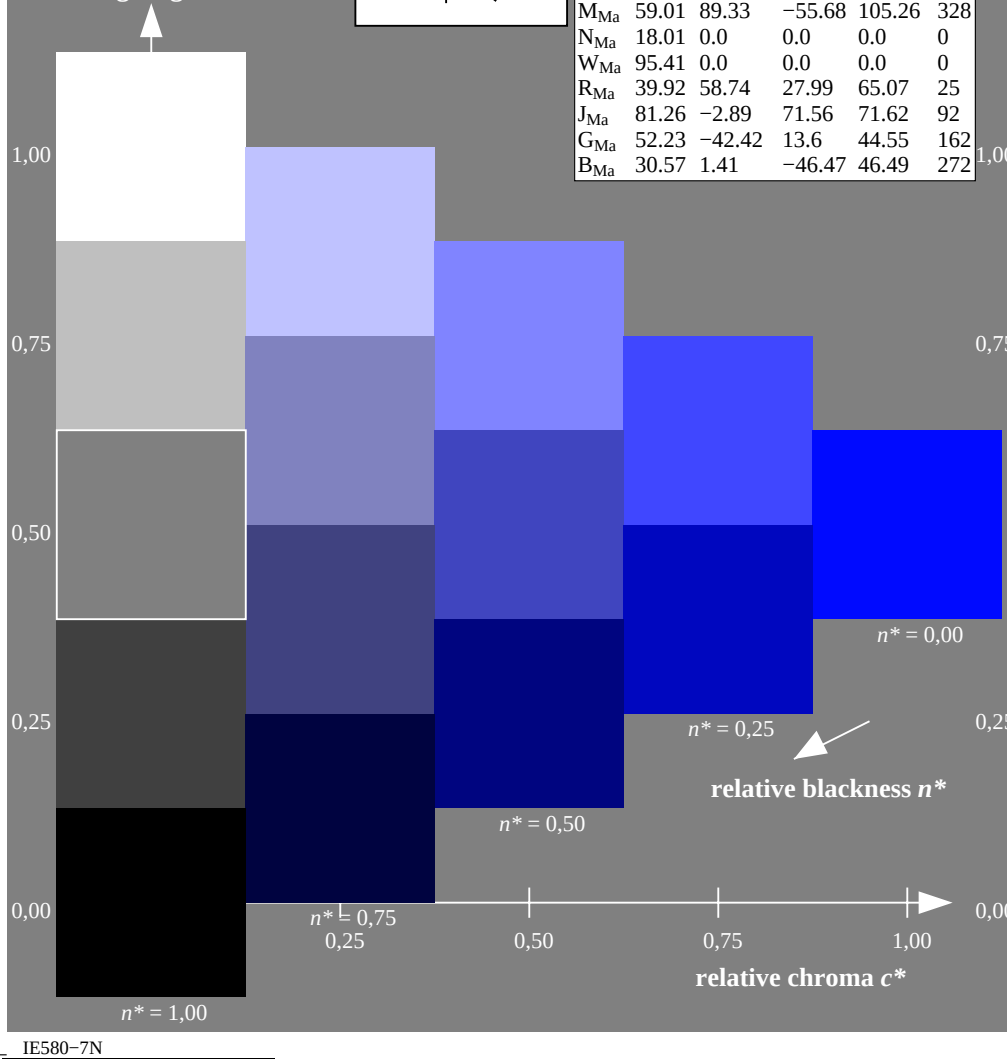
data for any colour:
lab*tch* **and** ***lab*ncu**** **elementary and device hue text:**
u* = b25r d* = c95v



TLS18a; adapted (a) CIELAB data

Name	*L*=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

triangle lightness *t**

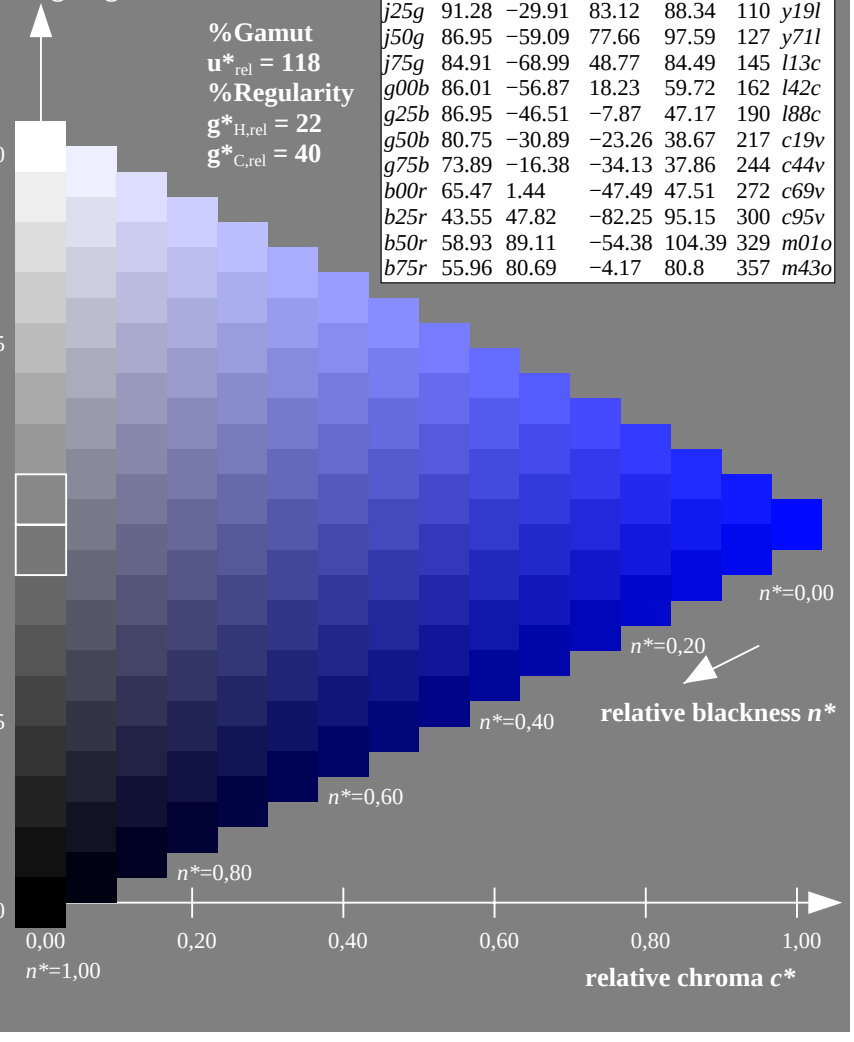


Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 44 48 −82**
LAB*LCH*$_{Ma}$**: 44 95 300**
lab*rgb*$_{Ma}$**: 0.5 0.0 1.0**
lab*olv*$_{Ma}$**: 0.0 0.04 1.0**
triangle lightness *t**

%Gamut
u*$_{rel}$ = 118
%Regularity
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

TLS18a; adapted (a) CIELAB data

*u**	*L*=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*

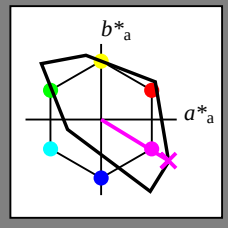


IE580−7N

input: *rgb (−>rgb*) setrgbcolor*
output: no change compared to input

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.913** **u* = b50r**

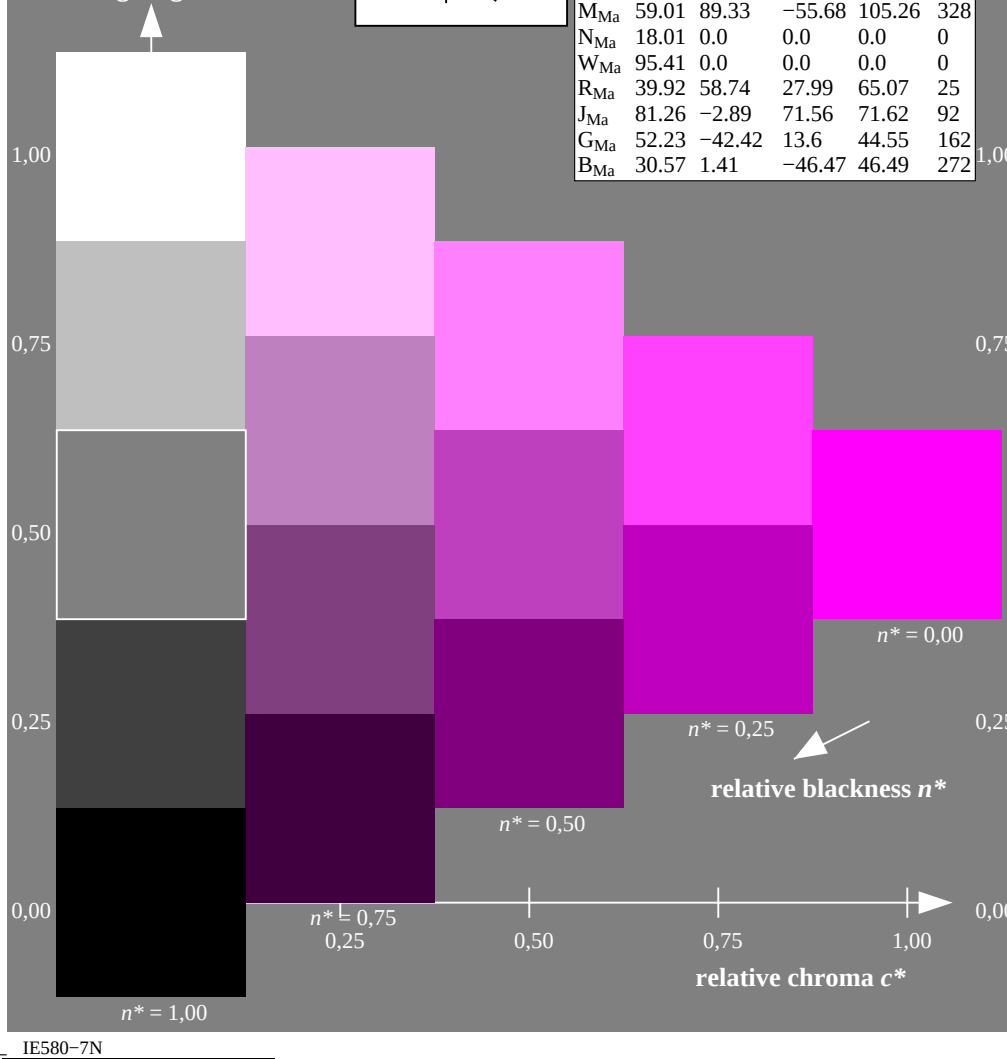
data for any colour:
lab*tch* **and** ***lab*ncu**** **elementary and device hue text:**
u* = b50r d* = m01o



TLS18a; adapted (a) CIELAB data

Name	*L*=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

triangle lightness *t**

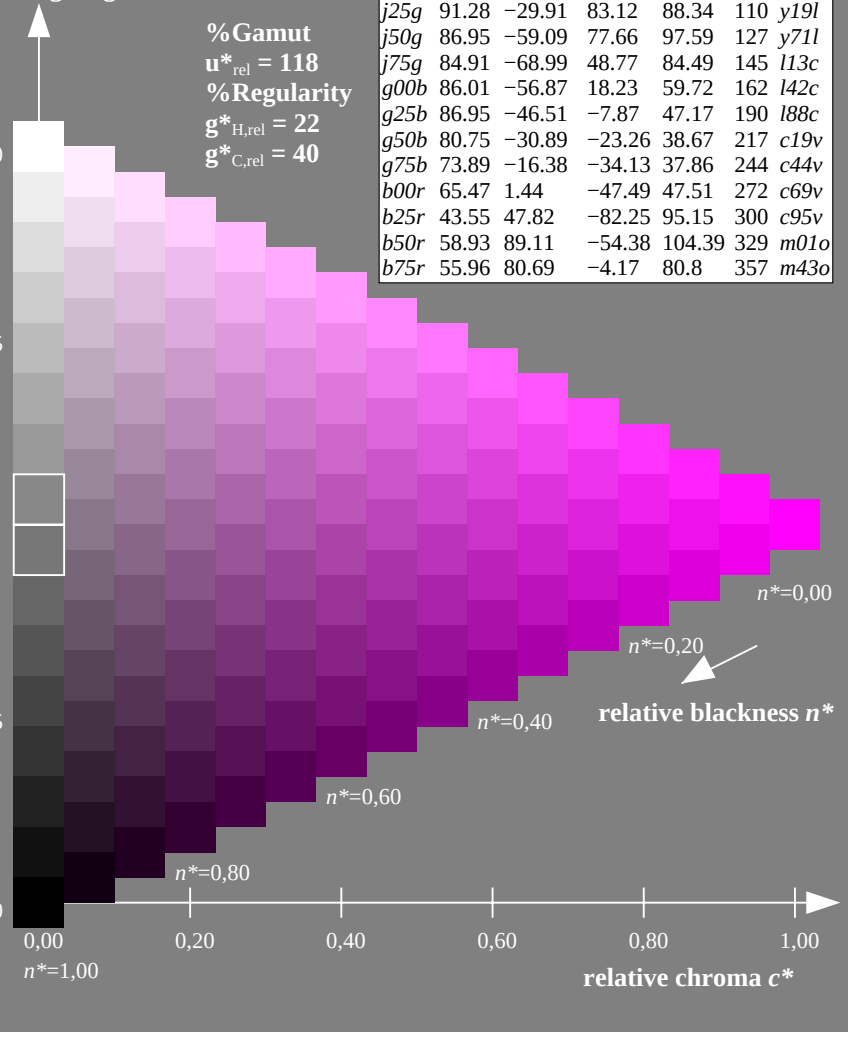


Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 59 89 −54**
LAB*LCH*$_{Ma}$**: 59 104 328**
lab*rgb*$_{Ma}$**: 1.0 0.0 1.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.99**
triangle lightness *t**

%Gamut
u*$_{rel}$ = 118
%Regularity
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

TLS18a; adapted (a) CIELAB data

*u**	*L*=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*

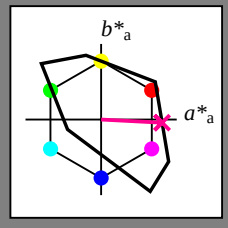


IE580−7N

input: *rgb (−>rgb*) setrgbcolor*
output: no change compared to input

Input and output: Colorimetric Television Luminous System TLS18a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.992** **u* = b75r**

data for any colour:
lab*tch* **and** ***lab*ncu**** **elementary and device hue text:**
u* = b75r d* = m43o



TLS18a; adapted (a) CIELAB data

Name	*L*=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

triangle lightness *t**

1,00
0,75
0,50
0,25
0,00

*n** = 0,00
*n** = 0,25
*n** = 0,50
*n** = 0,75
*n** = 1,00

relative blackness *n**

0,25 0,50 0,75 1,00
relative chroma *c**

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*=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*

1,00
0,75
0,25
0,00

*n**=0,00
*n**=0,20
*n**=0,40
*n**=0,60
*n**=0,80
*n**=1,00

relative blackness *n**

0,00 0,20 0,40 0,60 0,80 1,00
relative chroma *c**

IE580−7N

input: *rgb (−>rgb*) setrgbcolor*
output: no change compared to input