See for similar files: http://www.ps.bam.de/PE50/
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

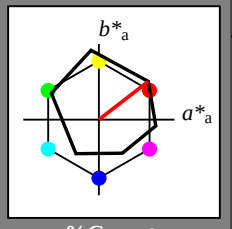
BAM registration: 20060101-PE50/10L/L50E00FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
/PE50/ Form: 1/10, Serie: 1/1, Page: 1 Page: count: 1

Input: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 38/360 = 0.105*
*lab*tch* and *lab*nch*

D50: hue O
LCH*Ma: 48 83 38
olv*Ma: 1.0 0.0 0.0

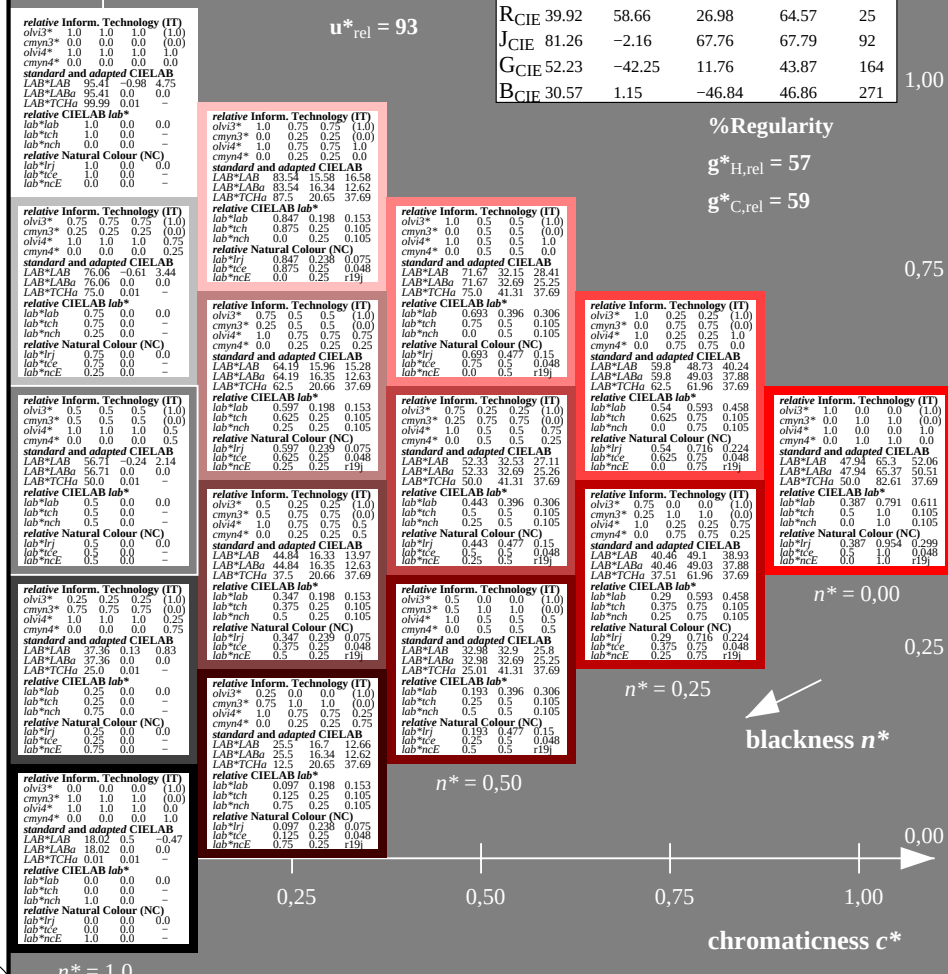
triangle lightness *t**



%Gamut
u^*_{rel} = 93

ORS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

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

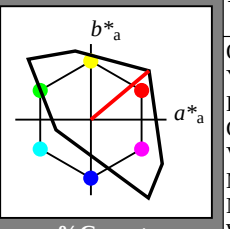


Output: Colorimetric Television Luminous System TLS00

for hue *h* = lab*h = 40/360 = 0.111*
*lab*tch* and *lab*nch*

D50: hue O
LCH*Ma: 51 100 40
olv*Ma: 1.0 0.0 0.0

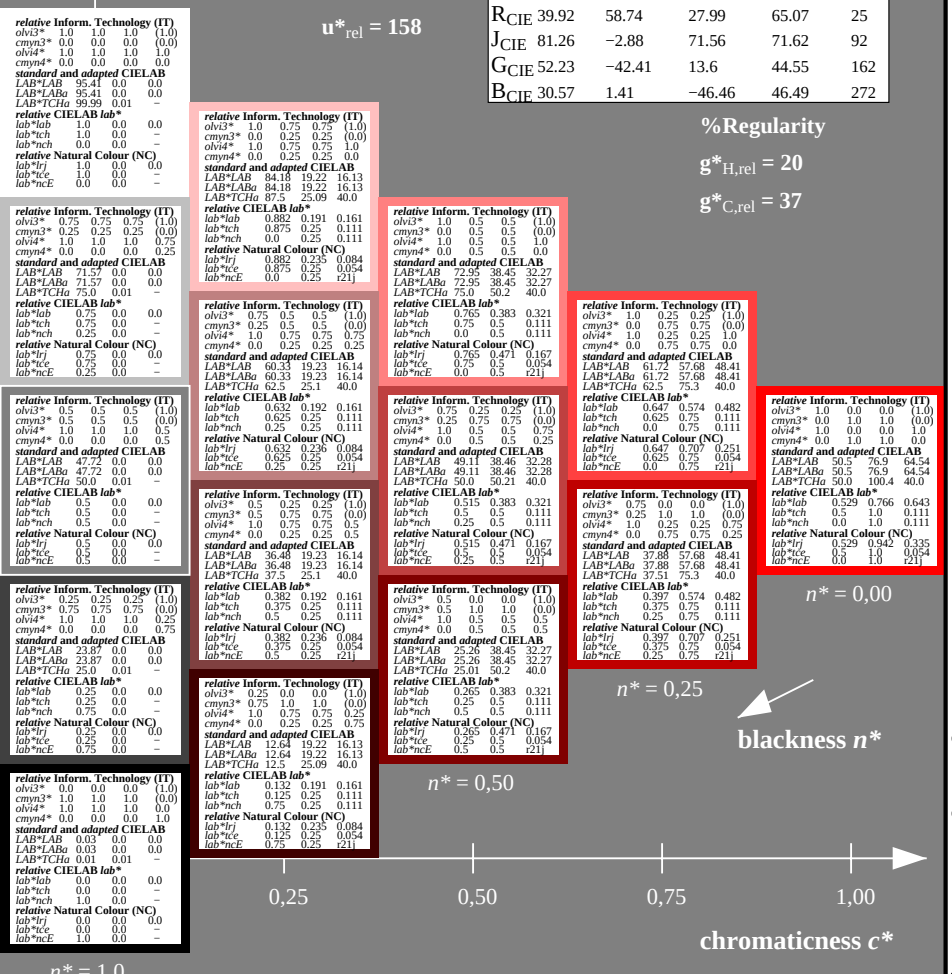
triangle lightness *t**



%Gamut
u^*_{rel} = 158

TLS00; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularity
$g^*_{H,rel}$ = 20
$g^*_{C,rel}$ = 37



PE500−7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

5 step scales for constant CIELAB hue 40/360 = 0.111 (right)

BAM-test chart PE50; Colorimetric systems ORS18 & TLS00
D50: 2 coordinate data of 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv* setrgbcolor / w* setgray*

See for similar files: http://www.ps.bam.de/PE50/
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

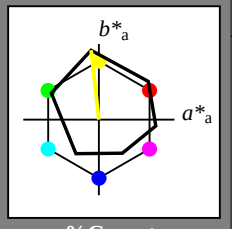
BAM registration: 20060101-PE50/10L/L50E01FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
/PE50/ Form: 2/10, Serie: 1/1, Page: 2 Page: count: 2

Input: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 96/360 = 0.268*
lab*tch* and *lab*nch

D50: hue Y
LCH*Ma: 90 92 96
olv*Ma: 1.0 1.0 0.0

triangle lightness *t**



%Gamut

u*rel = 93

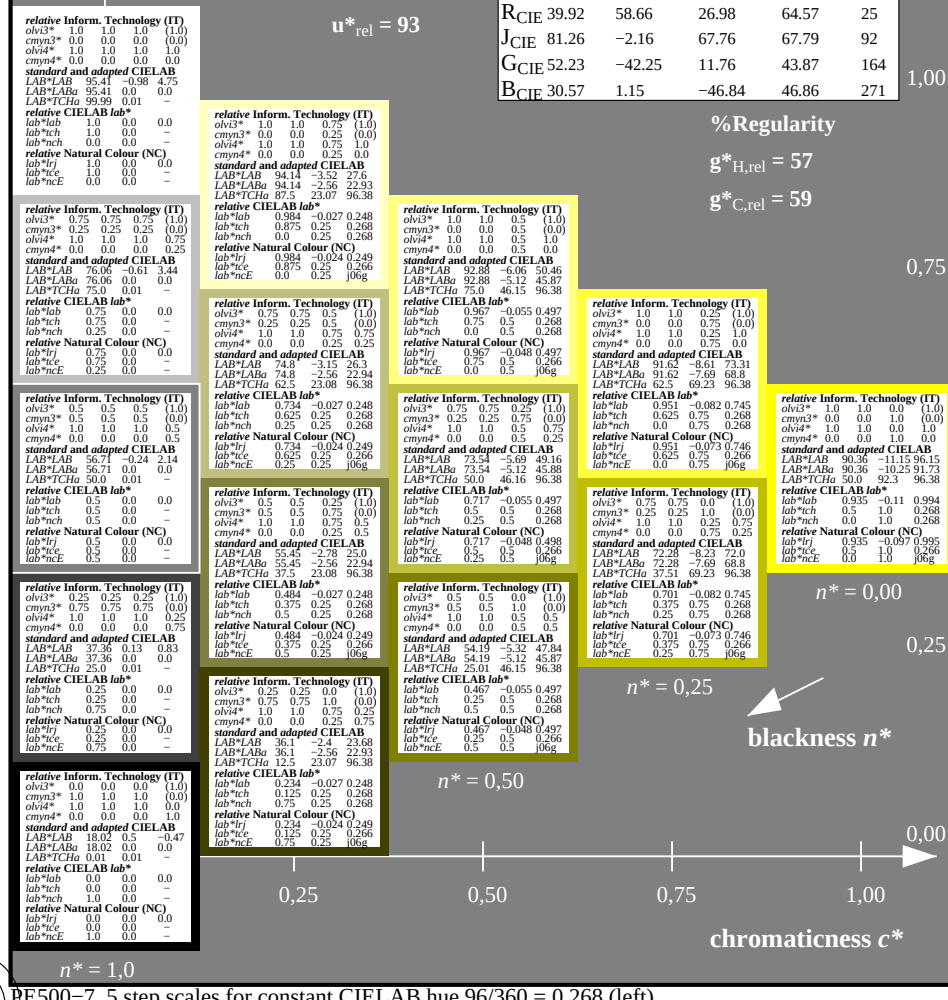
ORS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	−10.26	91.75	92.32	96
LMa	50.9	−62.83	34.96	71.91	151
CMa	58.62	−30.34	−45.01	54.3	236
VMa	25.72	31.1	−44.4	54.22	305
MMa	48.13	75.28	−8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	−2.16	67.76	67.79	92
GCIE	52.23	−42.25	11.76	43.87	164
BCIE	30.57	1.15	−46.84	46.86	271

%Regularity

g*H,rel = 57

g*C,rel = 59

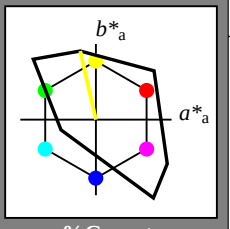


Output: Colorimetric Television Luminous System TLS00

for hue *h* = lab*h = 103/360 = 0.286*
lab*tch* and *lab*nch

D50: hue Y
LCH*Ma: 93 93 103
olv*Ma: 1.0 1.0 0.0

triangle lightness *t**



%Gamut

u*rel = 158

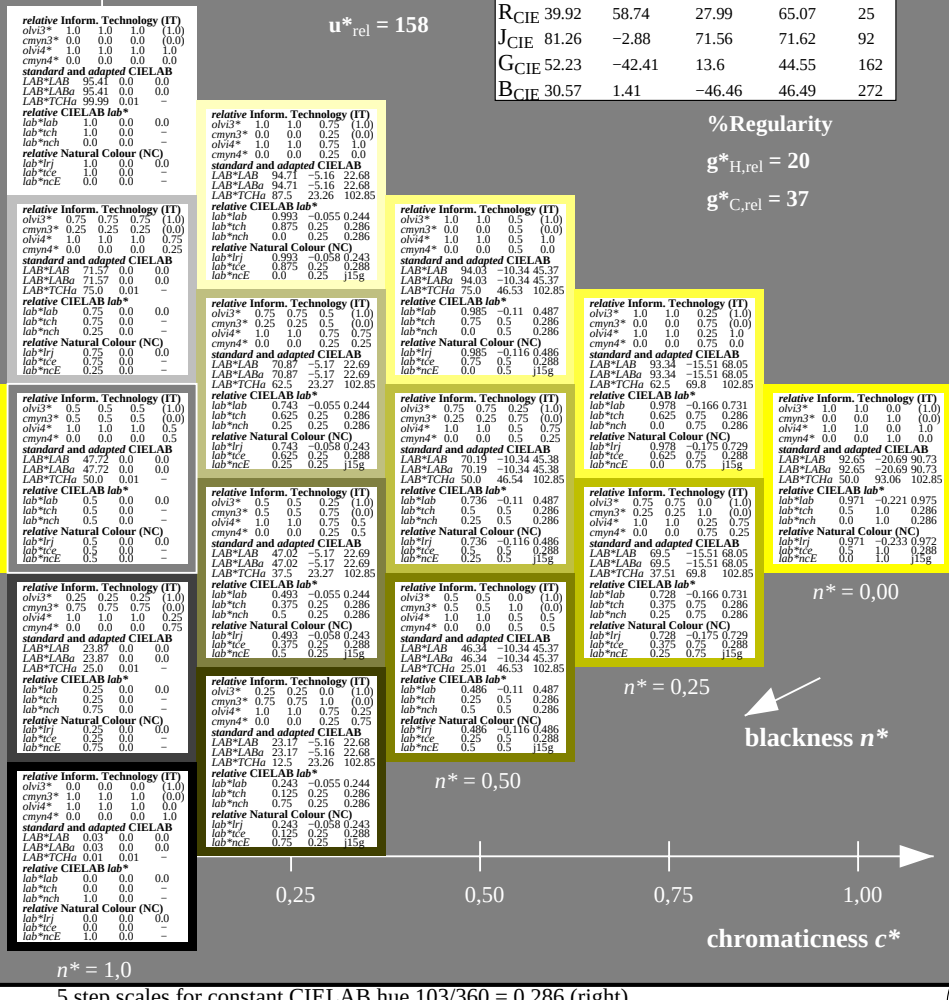
TLS00; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	50.5	76.92	64.55	100.42	40
YMa	92.66	−20.69	90.75	93.08	103
LMa	83.63	−82.75	79.9	115.04	136
CMa	86.88	−46.16	−13.55	48.12	196
VMa	30.39	76.06	−103.59	128.52	306
MMa	57.3	94.35	−58.41	110.97	328
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	−2.88	71.56	71.62	92
GCIE	52.23	−42.41	13.6	44.55	162
BCIE	30.57	1.41	−46.46	46.49	272

%Regularity

g*H,rel = 20

g*C,rel = 37



PE500−7, 5 step scales for constant CIELAB hue 96/360 = 0.268 (left)

5 step scales for constant CIELAB hue 103/360 = 0.286 (right)

BAM-test chart PE50; Colorimetric systems ORS18 & TLS00
D50: 2 coordinate data of 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv* setrgbcolor / w* setgray*

See for similar files: http://www.ps.bam.de/PE50/
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

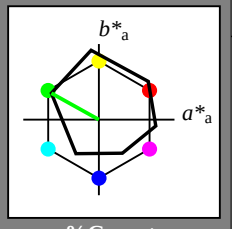
BAM registration: 20060101-PE50/10L/L50E02FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
/PE50/ Form: 3/10, Serie: 1/1, Page: 3 Page: count: 3

Input: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 151/360 = 0.419*
lab*tch* and *lab*nch

D50: hue L
LCH*Ma: 51 72 151
olv*Ma: 0.0 1.0 0.0

triangle lightness *t**



%Gamut

u*rel = 93

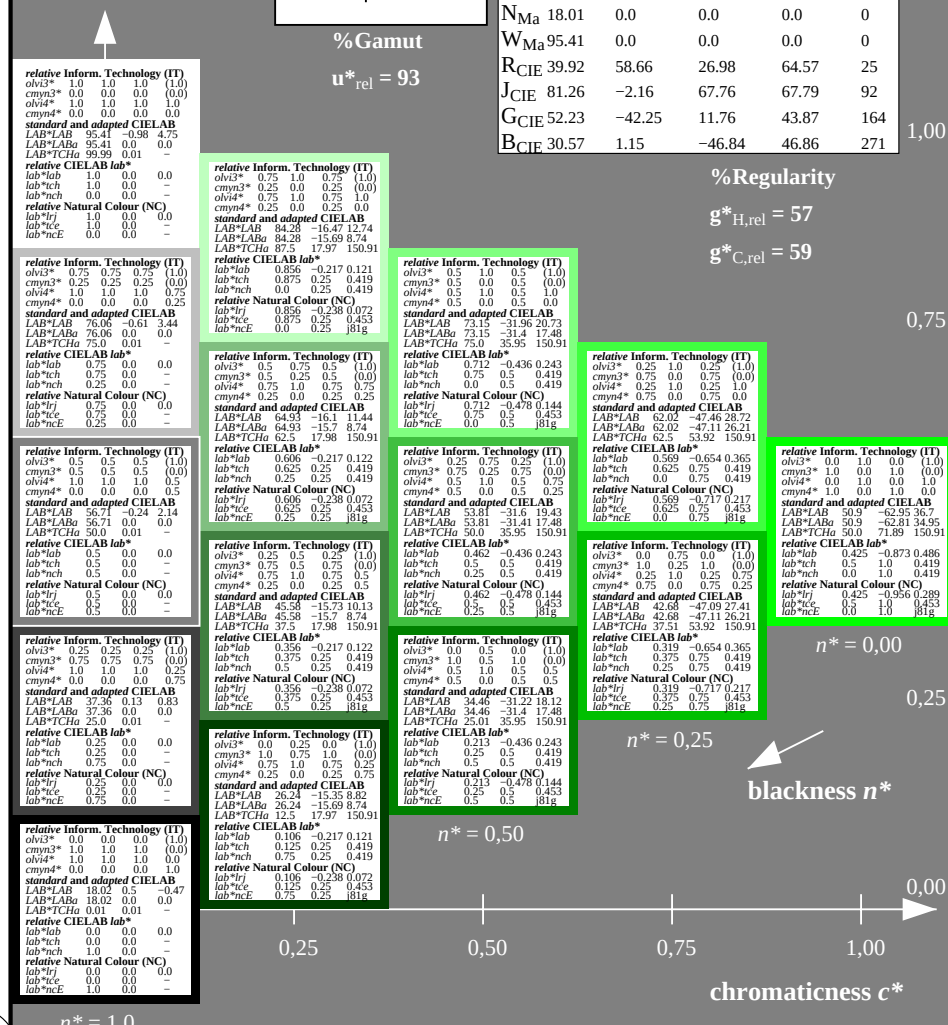
ORS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	−10.26	91.75	92.32	96
LMa	50.9	−62.83	34.96	71.91	151
CMa	58.62	−30.34	−45.01	54.3	236
VMa	25.72	31.1	−44.4	54.22	305
MMa	48.13	75.28	−8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	−2.16	67.76	67.79	92
GCIE	52.23	−42.25	11.76	43.87	164
BCIE	30.57	1.15	−46.84	46.86	271

%Regularity

g*H,rel = 57

g*C,rel = 59



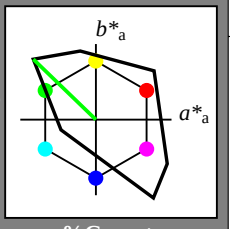
PE500−7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

Output: Colorimetric Television Luminous System TLS00

for hue *h* = lab*h = 136/360 = 0.378*
lab*tch* and *lab*nch

D50: hue L
LCH*Ma: 84 115 136
olv*Ma: 0.0 1.0 0.0

triangle lightness *t**



%Gamut

u*rel = 158

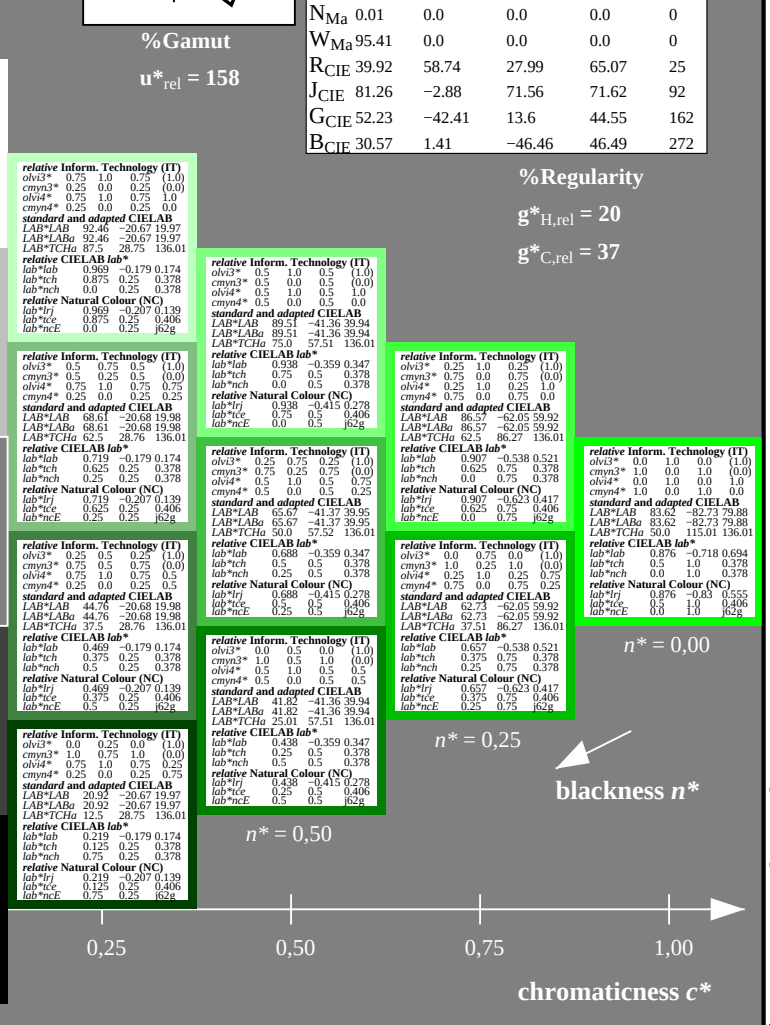
TLS00; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	50.5	76.92	64.55	100.42	40
YMa	92.66	−20.69	90.75	93.08	103
LMa	83.63	−82.75	79.9	115.04	136
CMa	86.88	−46.16	−13.55	48.12	196
VMa	30.39	76.06	−103.59	128.52	306
MMa	57.3	94.35	−58.41	110.97	328
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	−2.88	71.56	71.62	92
GCIE	52.23	−42.41	13.6	44.55	162
BCIE	30.57	1.41	−46.46	46.49	272

%Regularity

g*H,rel = 20

g*C,rel = 37



5 step scales for constant CIELAB hue 136/360 = 0.378 (right)

See for similar files: http://www.ps.bam.de/PE50/
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

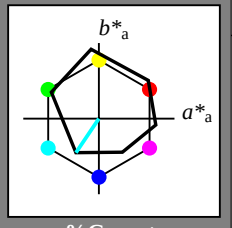
BAM registration: 20060101-PE50/10L/L50E03FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
/PE50/ Form: 4/10, Serie: 1/1, Page: 4 Page: count: 4

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$
*lab*tch* and *lab*nch*

D50: hue C
LCH*Ma: 59 54 236
olv*Ma: 0.0 1.0 1.0

triangle lightness t^*

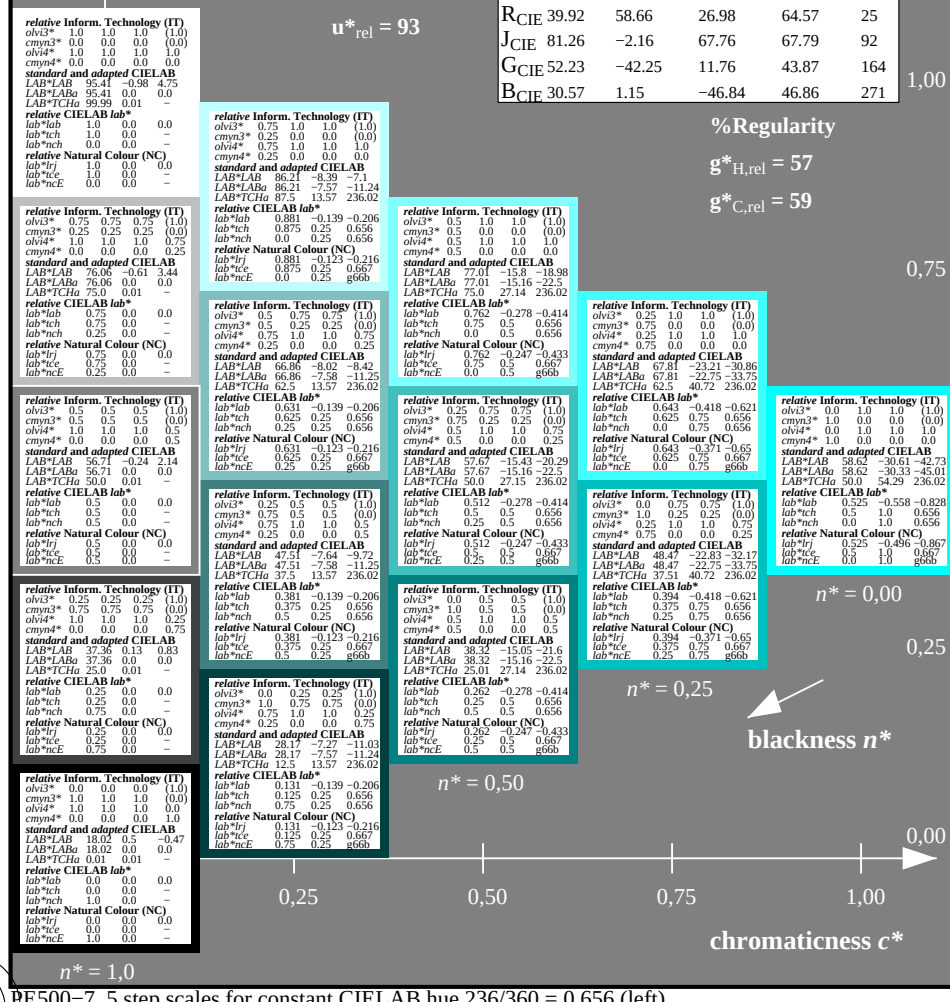


%Gamut
$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

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



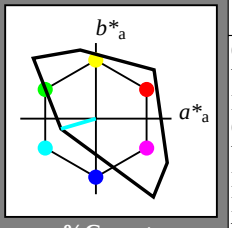
PE500−7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 196/360 = 0.545$
*lab*tch* and *lab*nch*

D50: hue C
LCH*Ma: 87 48 196
olv*Ma: 0.0 1.0 1.0

triangle lightness t^*

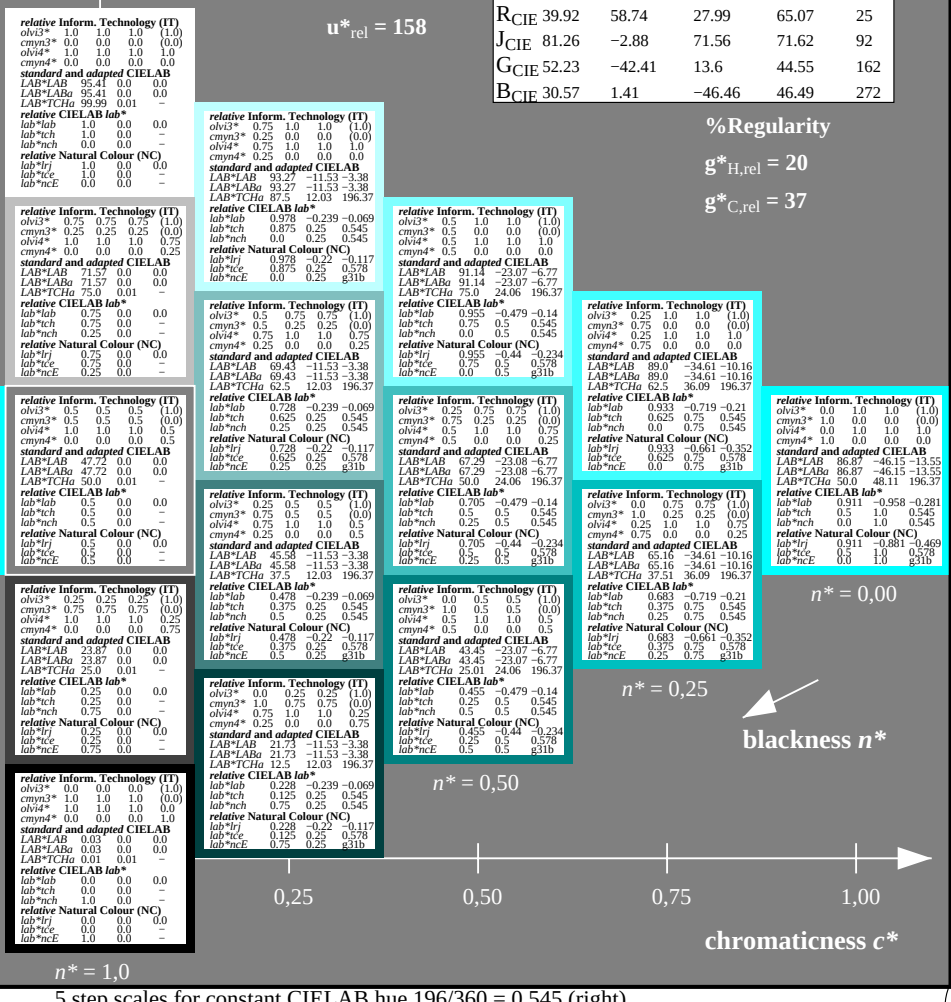


%Gamut
$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularity
$g^*_{H,rel} = 20$
$g^*_{C,rel} = 37$



5 step scales for constant CIELAB hue 196/360 = 0.545 (right)

BAM-test chart PE50; Colorimetric systems ORS18 & TLS00
D50: 2 coordinate data of 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv* setrgbcolor / w* setgray*

See for similar files: http://www.ps.bam.de/PE50/
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

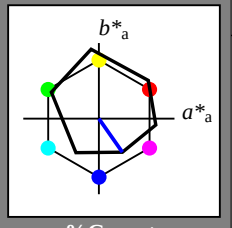
BAM registration: 20060101-PE50/10L/L50E04FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta

Input: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 305/360 = 0.847*
lab*tch* and *lab*nch

D50: hue V
LCH*Ma: 26 54 305
olv*Ma: 0.0 0.0 1.0

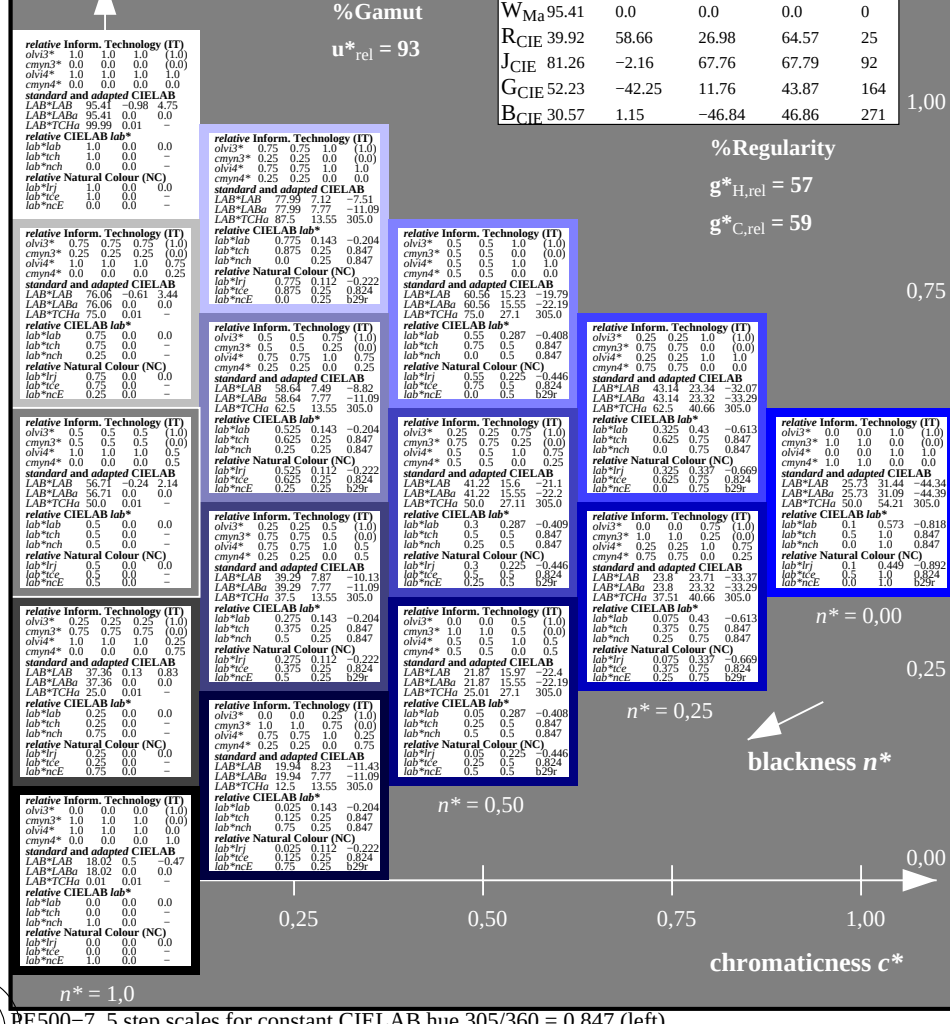
triangle lightness *t**



%Gamut
u*rel = 93

ORS18; adapted (a) CIELAB data	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

%Regularity
g*H,rel = 57
g*C,rel = 59



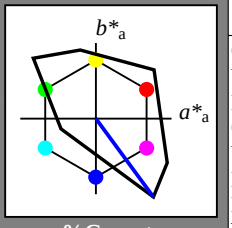
PE500−7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

Output: Colorimetric Television Luminous System TLS00

for hue *h* = lab*h = 306/360 = 0.851*
lab*tch* and *lab*nch

D50: hue V
LCH*Ma: 30 129 306
olv*Ma: 0.0 0.0 1.0

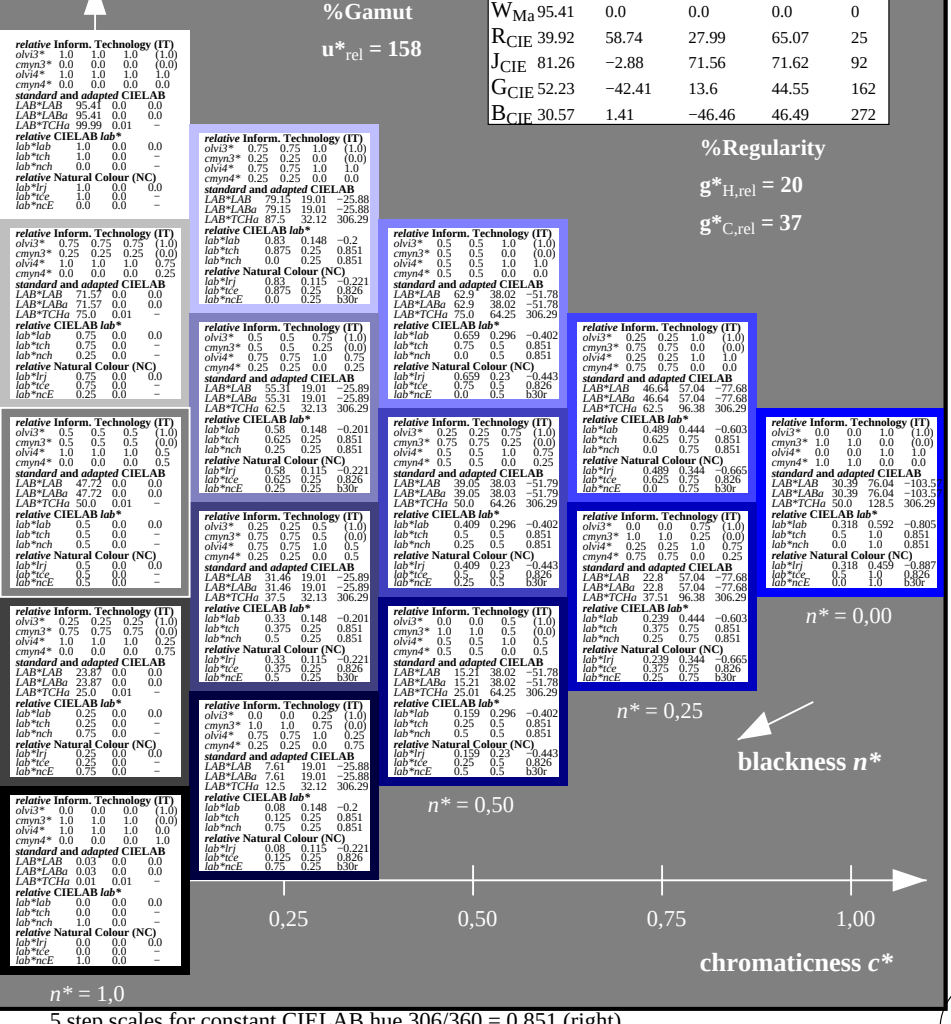
triangle lightness *t**



%Gamut
u*rel = 158

TLS00; adapted (a) CIELAB data	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularity
g*H,rel = 20
g*C,rel = 37



5 step scales for constant CIELAB hue 306/360 = 0.851 (right)

See for similar files: http://www.ps.bam.de/PE50/
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

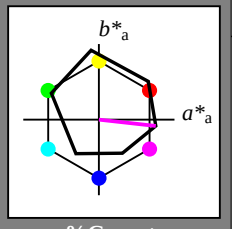
BAM registration: 20060101-PE50/10L/L50E05FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
/PE50/ Form: 6/10, Serie: 1/1, Page: 6 Page: count: 6

Input: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 354/360 = 0.982*
lab*tch* and *lab*nch

D50: hue M
LCH*Ma: 48 76 354
olv*Ma: 1.0 0.0 1.0

triangle lightness *t**

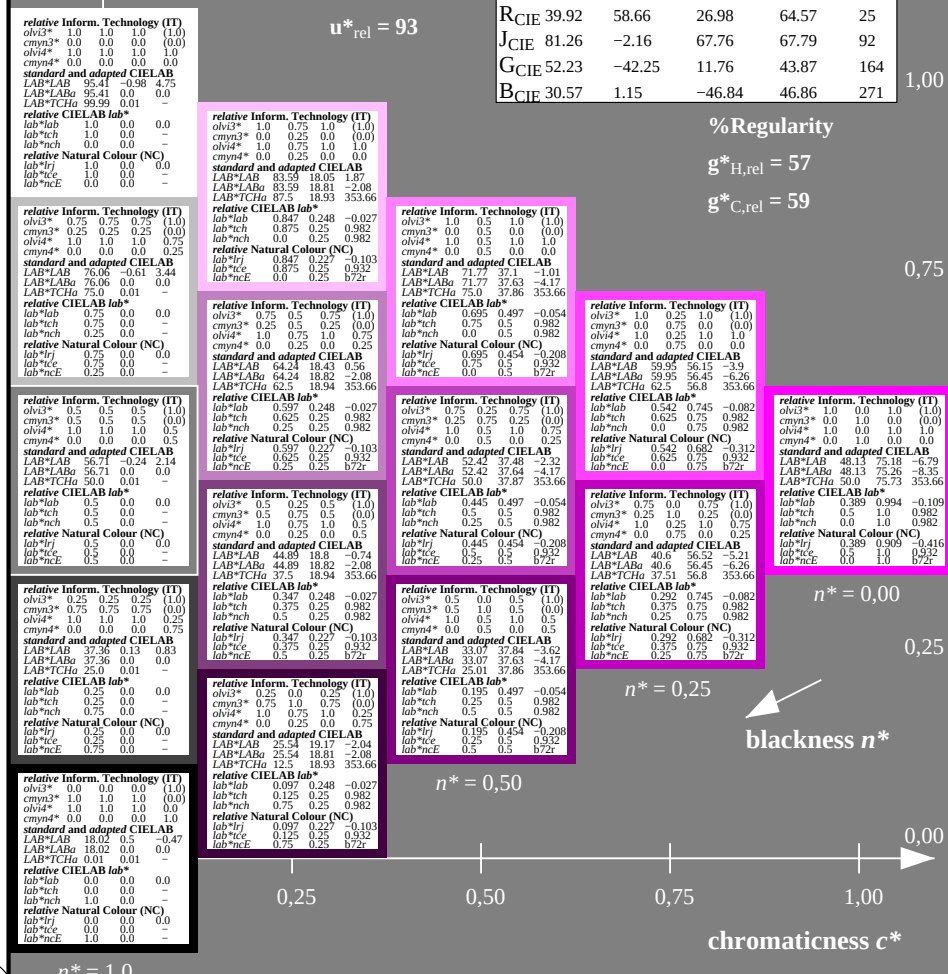


%Gamut
u*rel = 93

ORS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

%Regularity
g*H,rel = 57
g*C,rel = 59

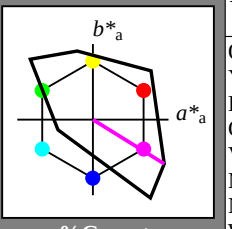


Output: Colorimetric Television Luminous System TLS00

for hue *h* = lab*h = 328/360 = 0.912*
lab*tch* and *lab*nch

D50: hue M
LCH*Ma: 57 111 328
olv*Ma: 1.0 0.0 1.0

triangle lightness *t**

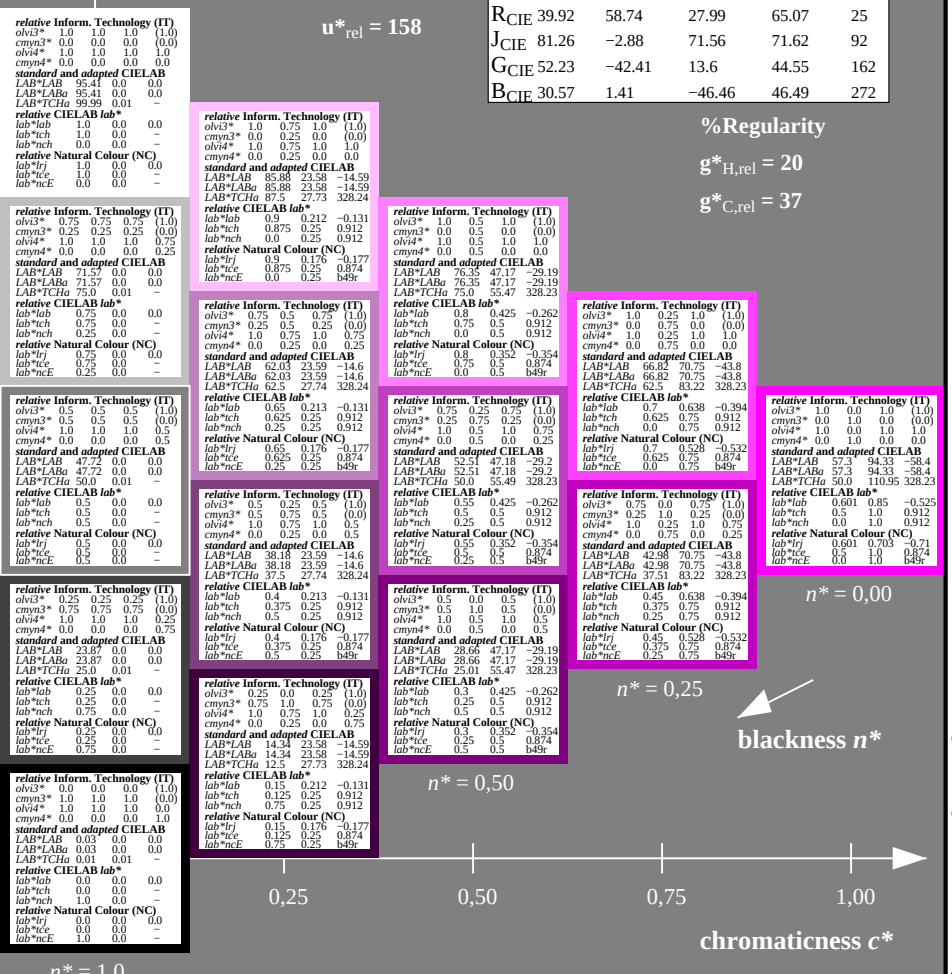


%Gamut
u*rel = 158

TLS00; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularity
g*H,rel = 20
g*C,rel = 37



PE500−7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

5 step scales for constant CIELAB hue 328/360 = 0.912 (right)

BAM-test chart PE50; Colorimetric systems ORS18 & TLS00
D50: 2 coordinate data of 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv* setrgbcolor / w* setgray*

See for similar files: http://www.ps.bam.de/PE50/
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

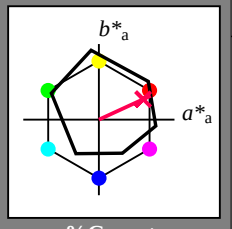
BAM registration: 20060101-PE50/10L/L50E06FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
/PE50/ Form: 7/10, Serie: 1/1, Page: 7 Page: count: 7

Input: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 25/360 = 0.069*
lab*tch* and *lab*nch

D50: hue R
LCH*Ma: 48 75 25
olv*Ma: 1.0 0.0 0.32

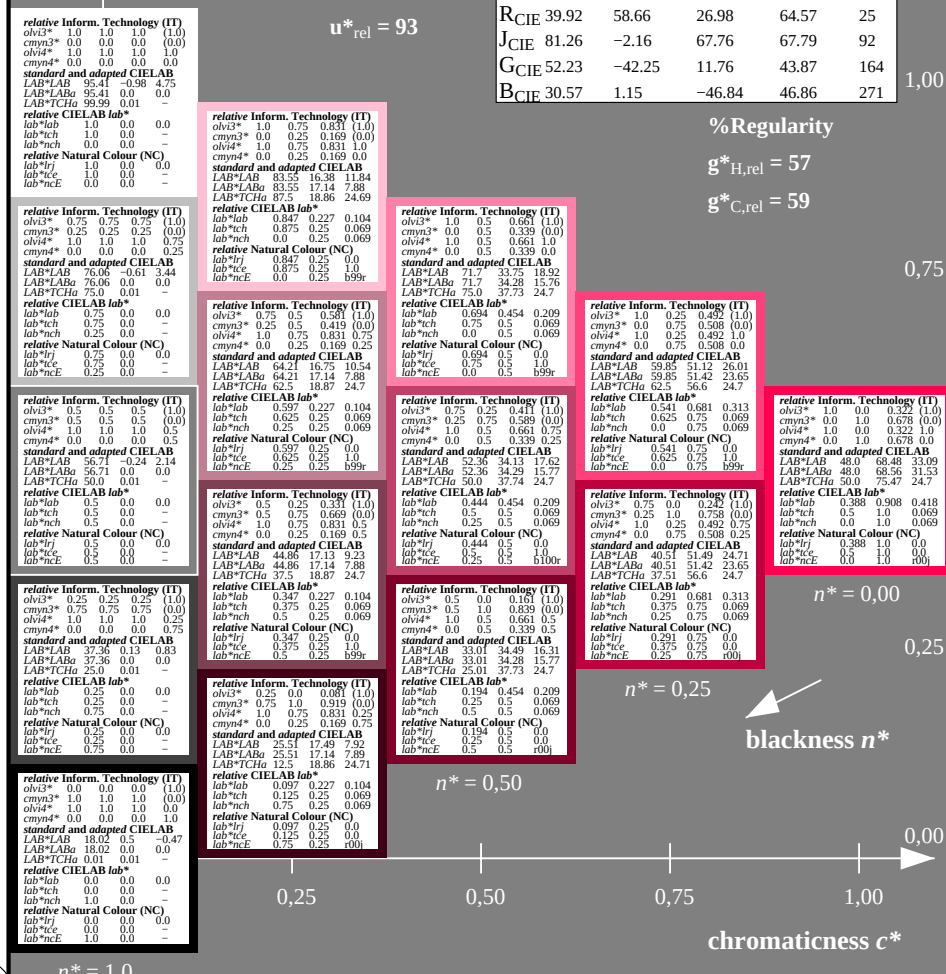
triangle lightness *t**



%Gamut
u*rel = 93

ORS18; adapted (a) CIELAB data	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

%Regularity
g*H,rel = 57
g*C,rel = 59

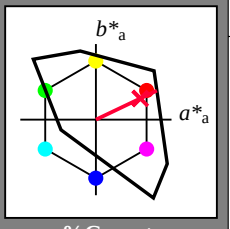


Output: Colorimetric Television Luminous System TLS00

for hue *h* = lab*h = 25/360 = 0.071*
lab*tch* and *lab*nch

D50: hue R
LCH*Ma: 52 89 25
olv*Ma: 1.0 0.0 0.21

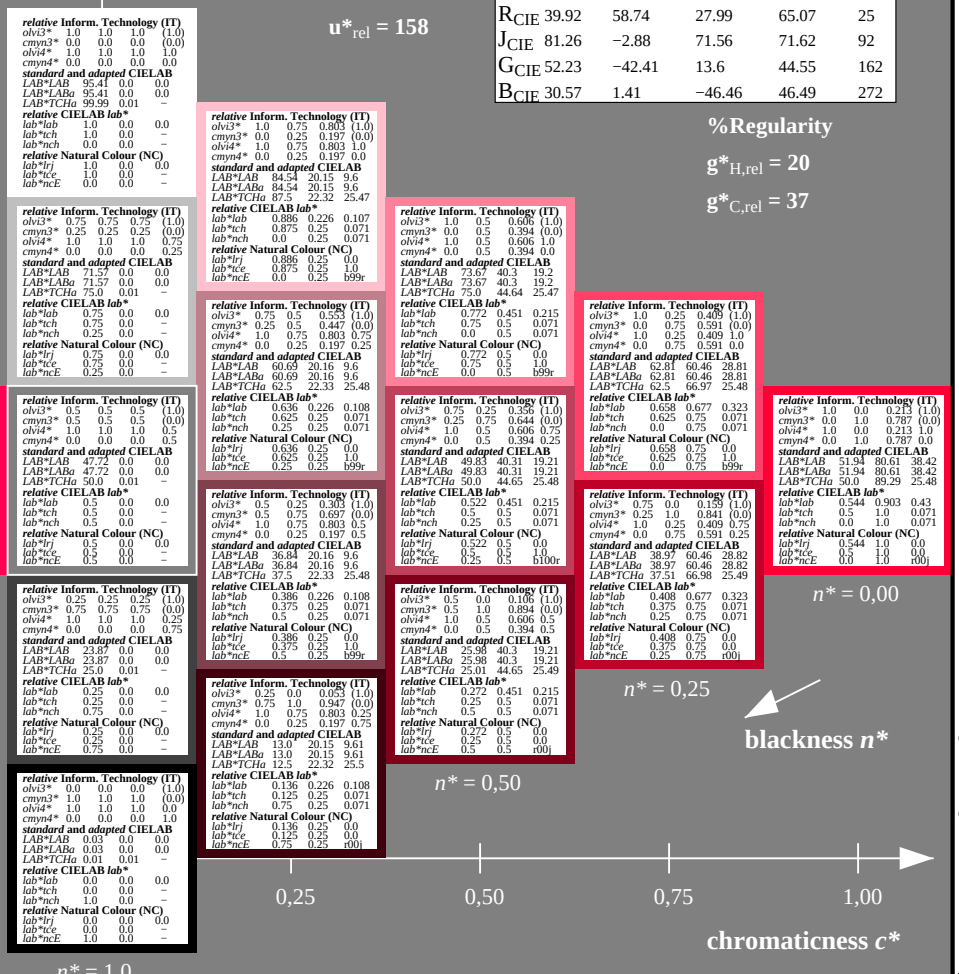
triangle lightness *t**



%Gamut
u*rel = 158

TLS00; adapted (a) CIELAB data	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularity
g*H,rel = 20
g*C,rel = 37



PE500−7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

BAM-test chart PE50; Colorimetric systems ORS18 & TLS00
D50: 2 coordinate data of 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv* setrgbcolor / w* setgray*

See for similar files: http://www.ps.bam.de/PE50/
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

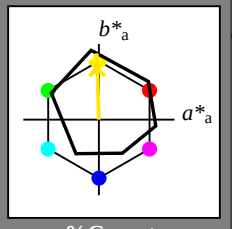
BAM registration: 20060101-PE50/10L/L50E07FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
/PE50/ Form: 8/10, Serie: 1/1, Page: 8 Page: count: 8

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$
*lab*tch* and *lab*nch*

D50: hue J
LCH*Ma: 86 88 92
olv*Ma: 1.0 0.9 0.0

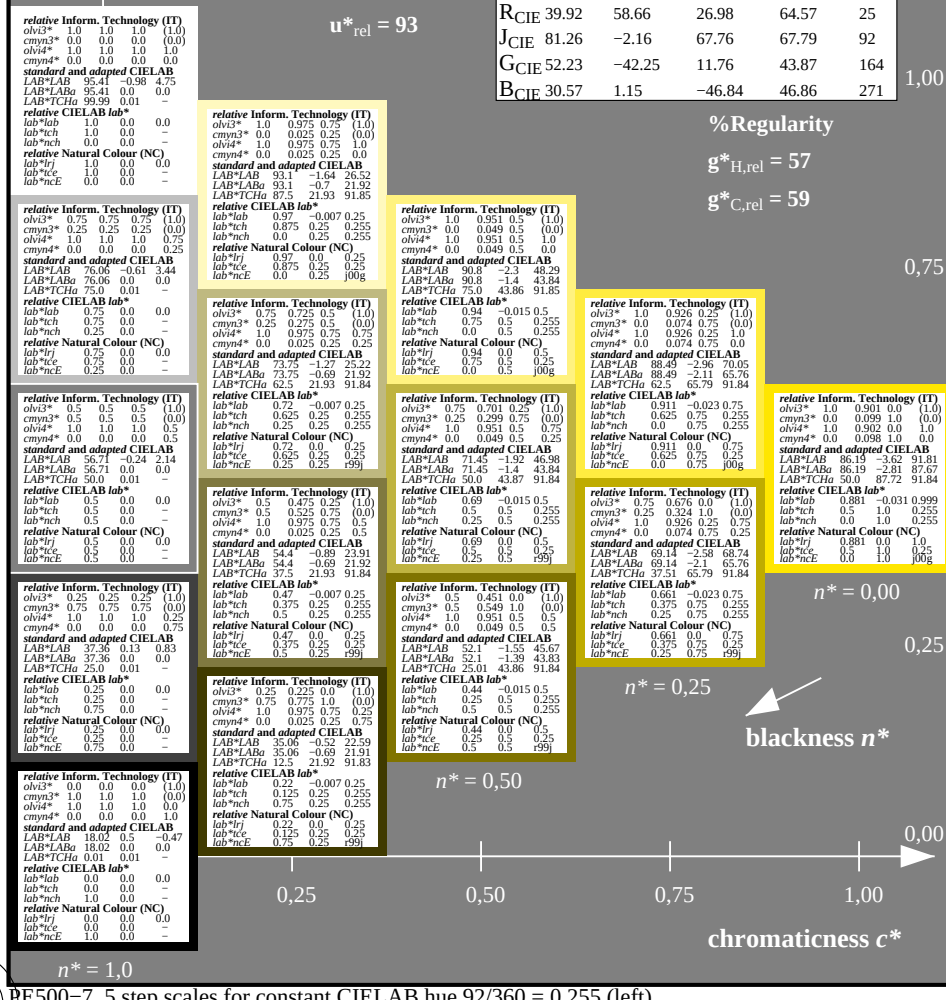
triangle lightness t^*



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

ORS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

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



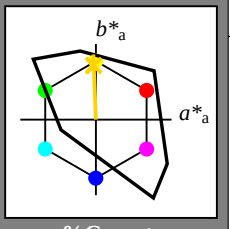
PE500−7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 92/360 = 0.256$
*lab*tch* and *lab*nch*

D50: hue J
LCH*Ma: 85 86 92
olv*Ma: 1.0 0.82 0.0

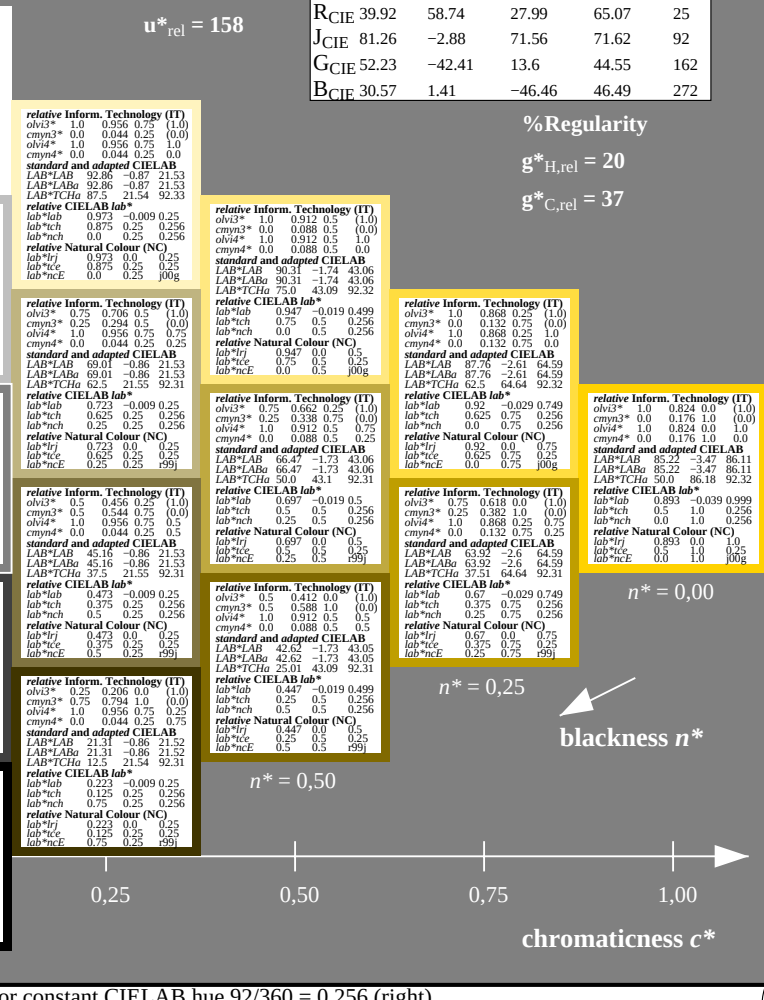
triangle lightness t^*



%Gamut
$u^*_{rel} = 158$

TLS00; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularity
$g^*_{H,rel} = 20$
$g^*_{C,rel} = 37$



5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

BAM-test chart PE50; Colorimetric systems ORS18 & TLS00
D50: 2 coordinate data of 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv* setrgbcolor / w* setgray*

See for similar files: http://www.ps.bam.de/PE50/
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

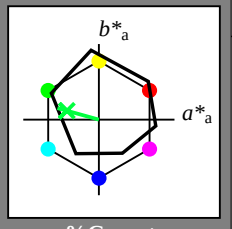
BAM registration: 20060101-PE50/10L/L50E08FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
/PE50/ Form: 9/10, Serie: 1/1, Page: 9 Page: count: 9

Input: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 164/360 = 0.457*
*lab*tch* and *lab*nch*

D50: hue G
LCH*Ma: 53 57 164
olv*Ma: 0.0 1.0 0.25

triangle lightness *t**

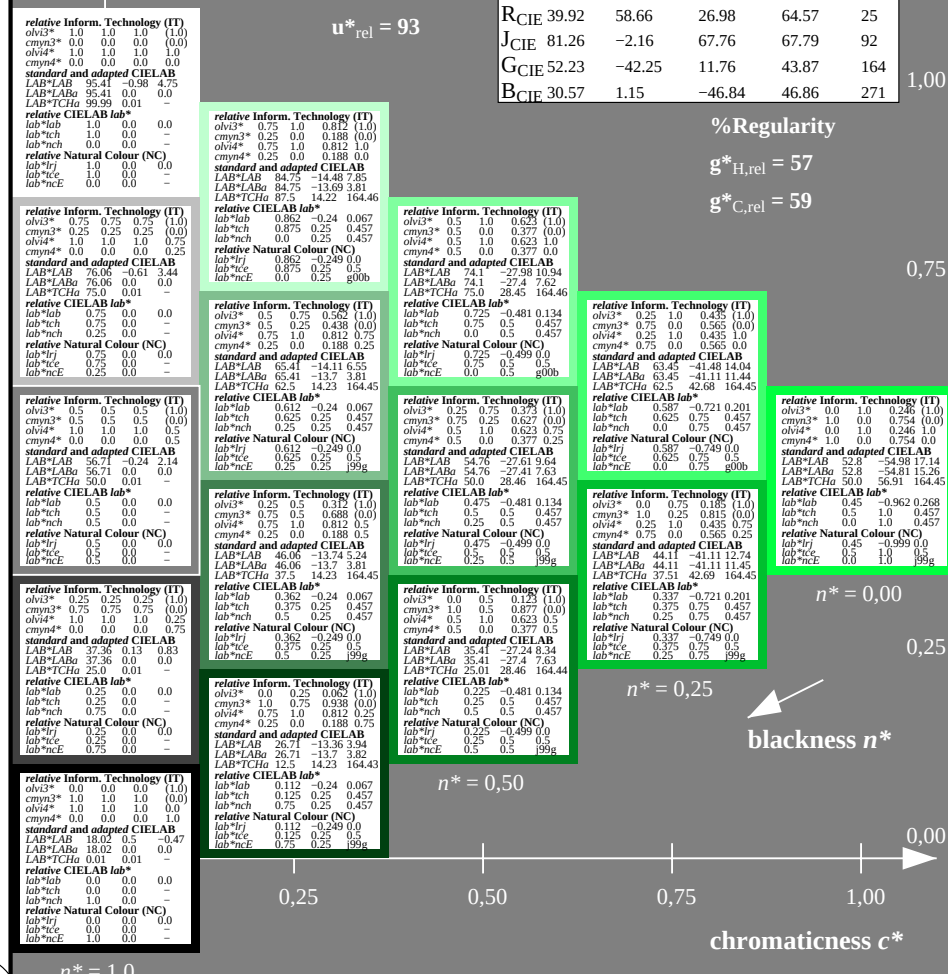


%Gamut
u^*_{rel} = 93

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

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



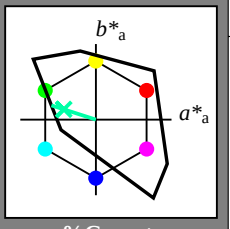
PE500−7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

Output: Colorimetric Television Luminous System TLS00

for hue *h* = lab*h = 162/360 = 0.451*
*lab*tch* and *lab*nch*

D50: hue G
LCH*Ma: 86 62 162
olv*Ma: 0.0 1.0 0.65

triangle lightness *t**

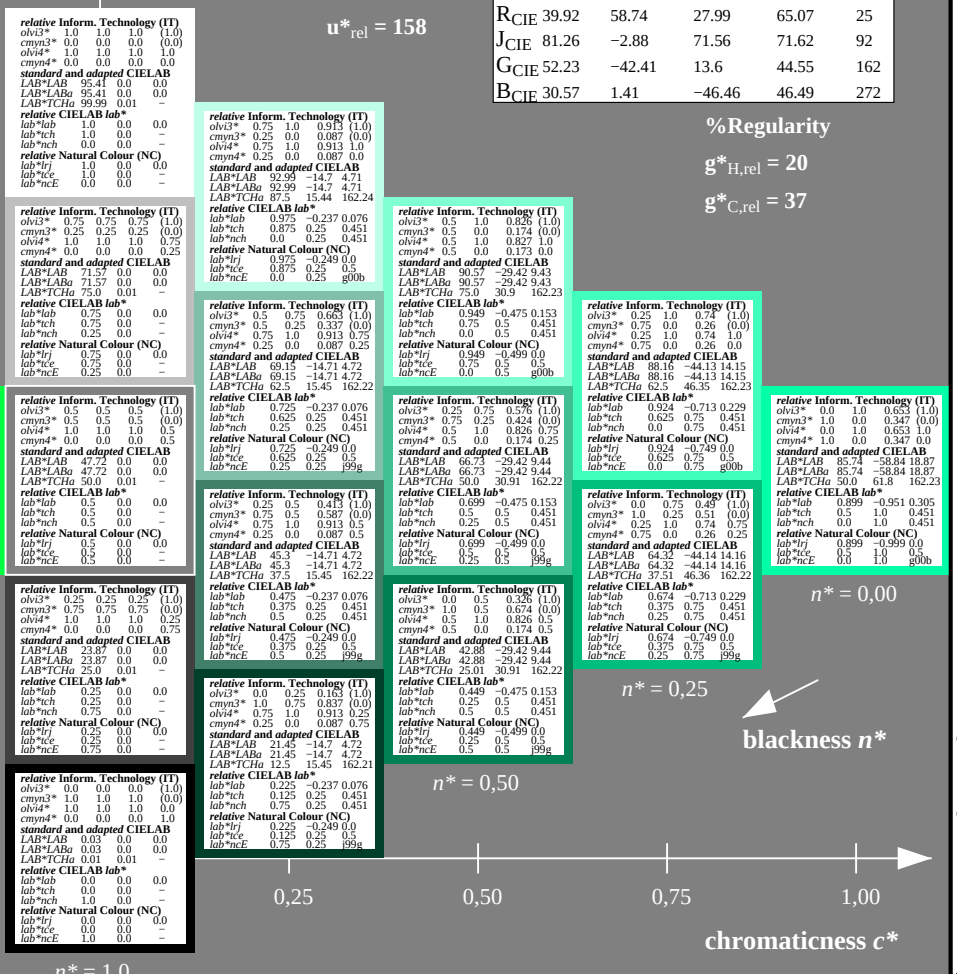


%Gamut
u^*_{rel} = 158

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularity
$g^*_{H,rel}$ = 20
$g^*_{C,rel}$ = 37



5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

See for similar files: http://www.ps.bam.de/PE50/
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, CIELAB

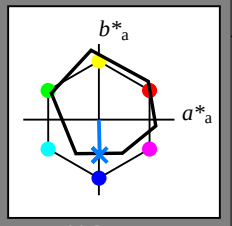
BAM registration: 20060101-PE50/10L/L50E09FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta
/PE50/ Form: 10/10,Serie: 1/1, Page: 10 Page: count: 10

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$
lab*tch* and *lab*nch

D50: hue B
LCH*Ma: 42 45 271
olv*Ma: 0.0 0.49 1.0

triangle lightness t^*

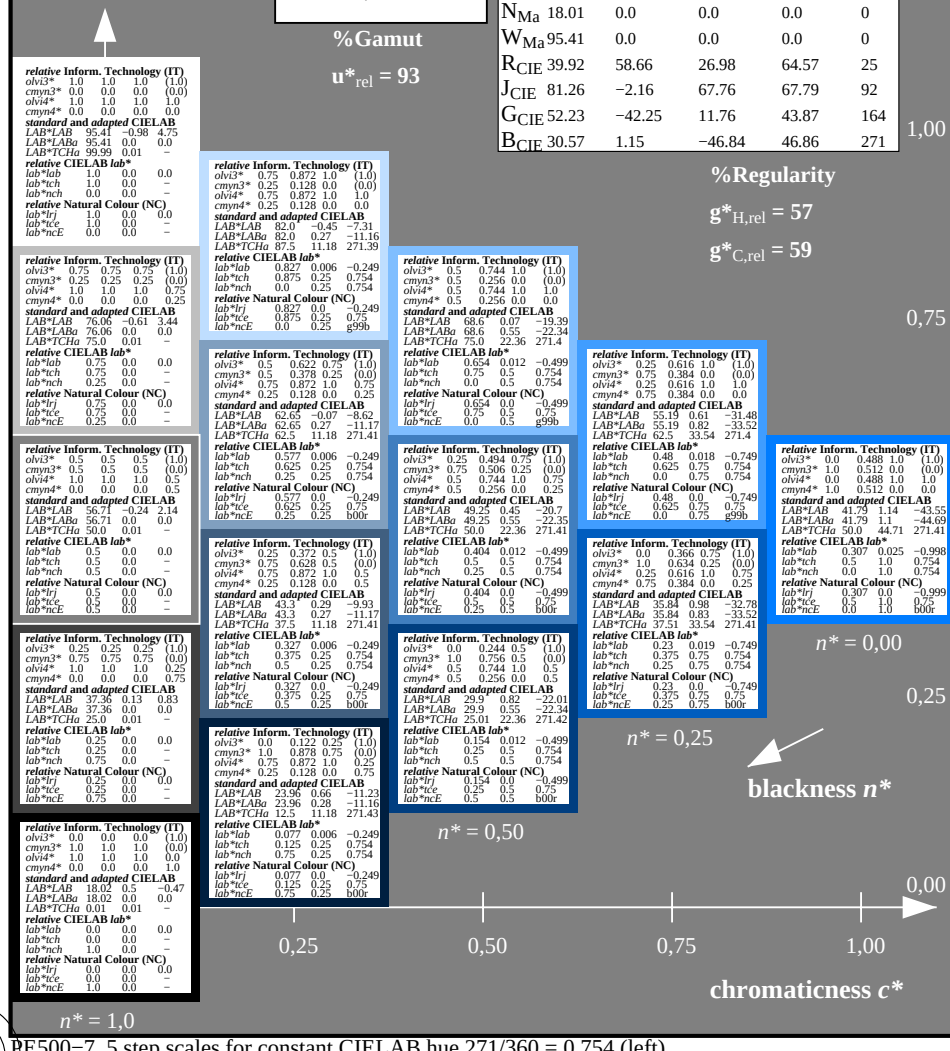


%Gamut
u^*_{rel} = 93

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	−2.16	67.76	67.79	92
G_{CIE}	52.23	−42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.86	271

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



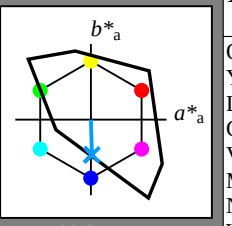
PE500−7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 272/360 = 0.755$
lab*tch* and *lab*nch

D50: hue B
LCH*Ma: 65 49 272
olv*Ma: 0.0 0.61 1.0

triangle lightness t^*

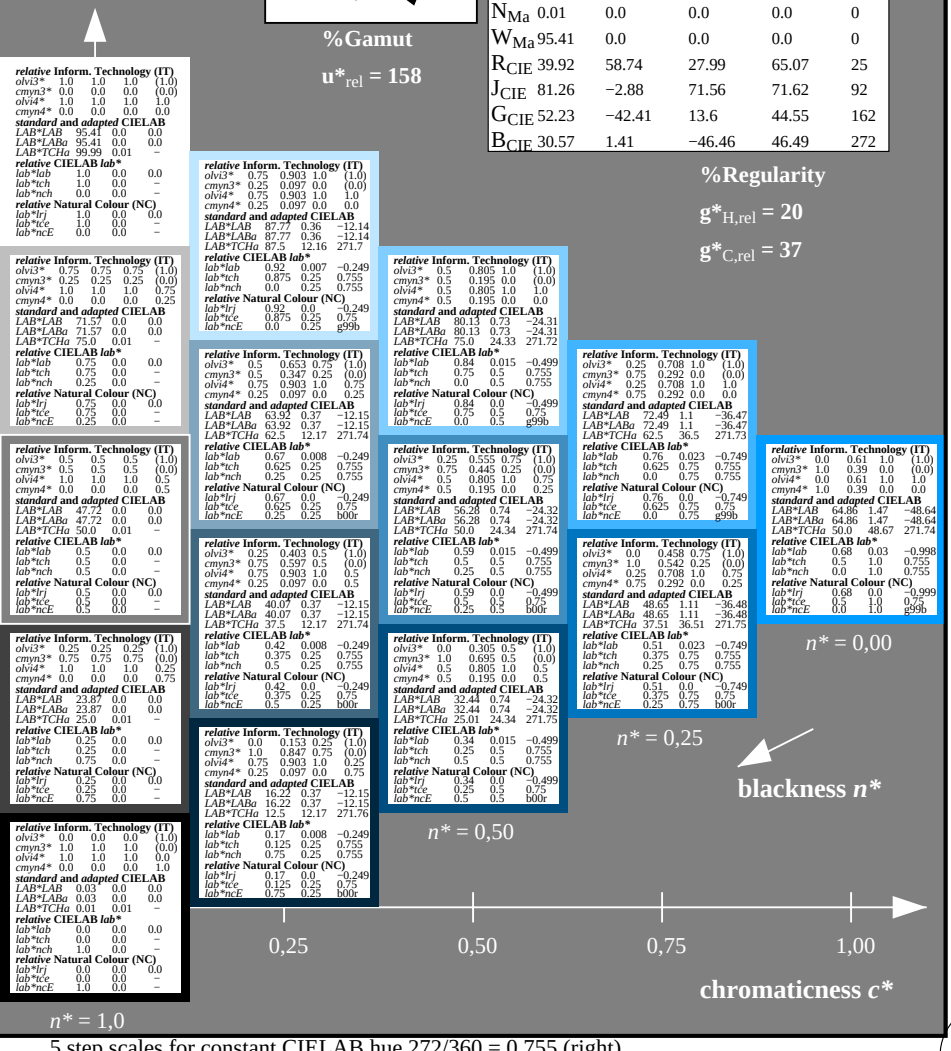


%Gamut
u^*_{rel} = 158

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.92	64.55	100.42	40
Y_{Ma}	92.66	−20.69	90.75	93.08	103
L_{Ma}	83.63	−82.75	79.9	115.04	136
C_{Ma}	86.88	−46.16	−13.55	48.12	196
V_{Ma}	30.39	76.06	−103.59	128.52	306
M_{Ma}	57.3	94.35	−58.41	110.97	328
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.88	71.56	71.62	92
G_{CIE}	52.23	−42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.46	46.49	272

%Regularity
$g^*_{H,rel}$ = 20
$g^*_{C,rel}$ = 37



5 step scales for constant CIELAB hue 272/360 = 0.755 (right)