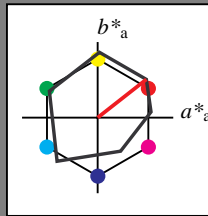


Input: Colorimetric Offset Reflective System ORS18

for hue  $h^* = lab^*h = 38/360 = 0.106$   
 $lab^*tch$  and  $lab^*nch$

A: hue O  
LCH\*Ma: 48 82 38  
olv\*Ma: 1.0 0.0 0.0  
triangle lightness

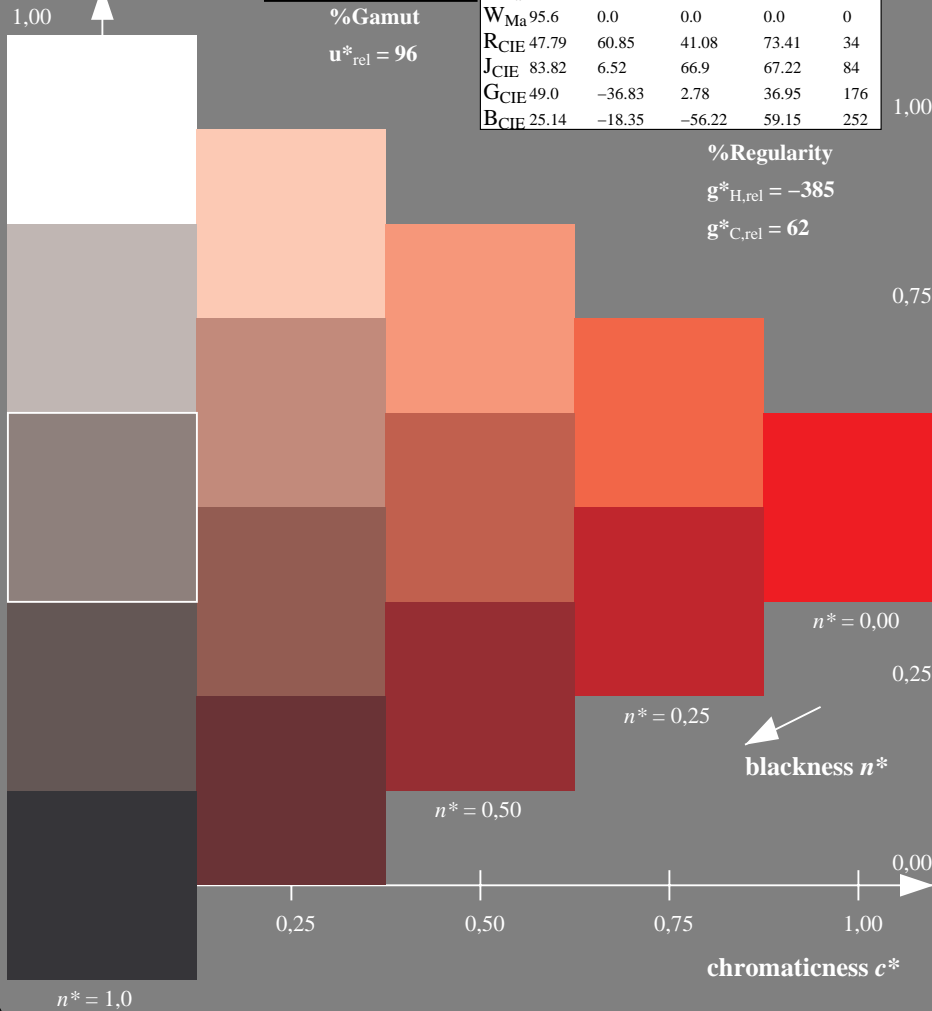


ORS18; adapted (a) CIELAB data table with columns L\*, a\*, b\*, C\*, h\* and rows OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

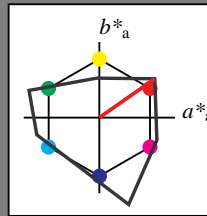


SE400-7, 5 step scales for constant CIELAB hue 38/360 = 0.106 (left)

Output: Colorimetric Television Luminous System TLS00

for hue  $h^* = lab^*h = 35/360 = 0.097$   
 $lab^*tch$  and  $lab^*nch$

A: hue O  
LCH\*Ma: 66 90 35  
olv\*Ma: 1.0 0.0 0.0  
triangle lightness

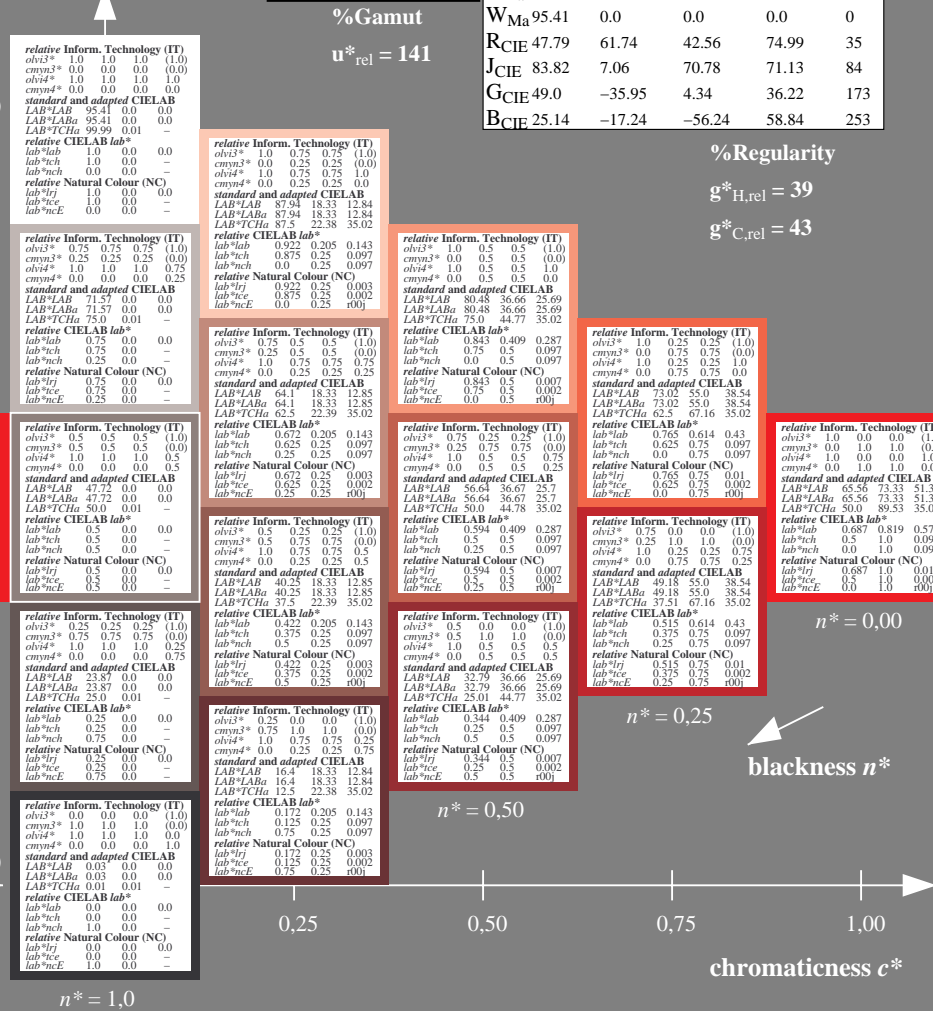


TLS00; adapted (a) CIELAB data table with columns L\*, a\*, b\*, C\*, h\* and rows OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$



5 step scales for constant CIELAB hue 35/360 = 0.097 (right)

BAM-test chart SE40; Colorimetric systems ORS18 & ORS18

A: 5 step colour scales and coordinate data for 10 hues

input:  $cmY0^*$  setcmYcolor

output: Startup (S) data dependend

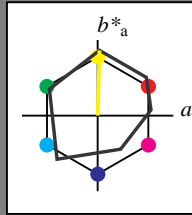
Input: Colorimetric Offset Reflective System ORS18

for hue  $h^* = lab^*h = 88/360 = 0.246$

$lab^*tch$  and  $lab^*nch$

A: hue Y  
LCH\*Ma: 93 86 88  
olv\*Ma: 1.0 1.0 0.0

triangle lightness

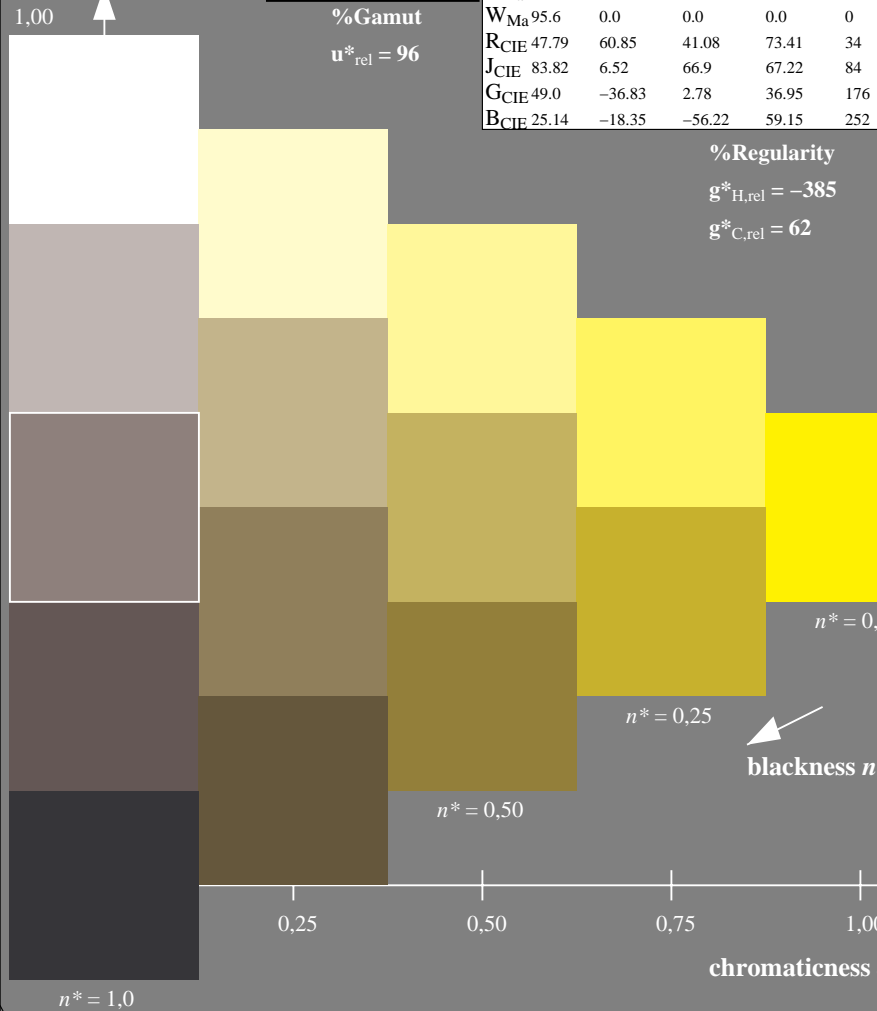


ORS18; adapted (a) CIELAB data table with columns L\*, a\*, b\*, C\*, h\* and rows OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$



SE400-7, 5 step scales for constant CIELAB hue 88/360 = 0.246 (left)

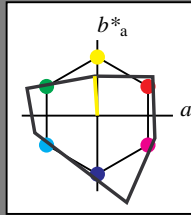
Output: Colorimetric Television Luminous System TLS00

for hue  $h^* = lab^*h = 94/360 = 0.261$

$lab^*tch$  and  $lab^*nch$

A: hue Y  
LCH\*Ma: 95 52 94  
olv\*Ma: 1.0 1.0 0.0

triangle lightness

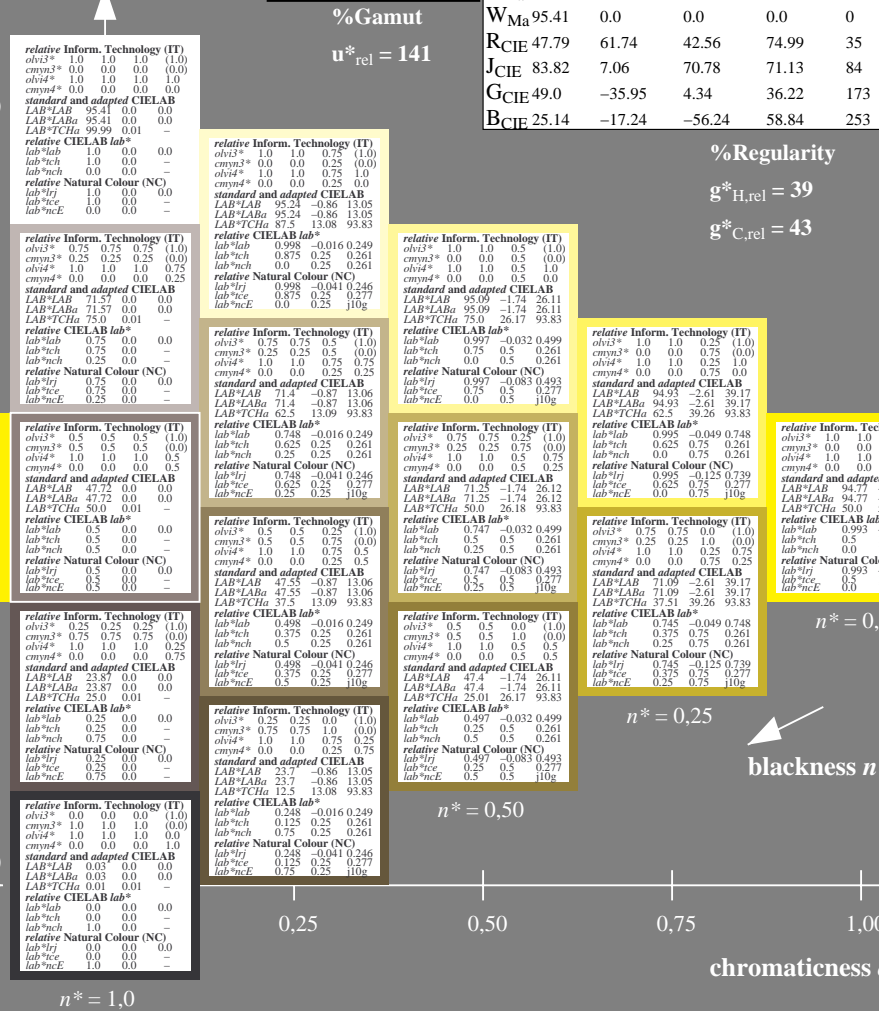


TLS00; adapted (a) CIELAB data table with columns L\*, a\*, b\*, C\*, h\* and rows OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$



5 step scales for constant CIELAB hue 94/360 = 0.261 (right)

BAM-test chart SE40; Colorimetric systems ORS18 & ORS18

A: 5 step colour scales and coordinate data for 10 hues

input:  $cmY^*_{set}$  *setcmYcolor*

output: *Startup (S) data dependend*

See for similar files: <http://www.ps.bam.de/SE40/>

Technical information: <http://www.ps.bam.de>

Version 2.1, io=0,0?

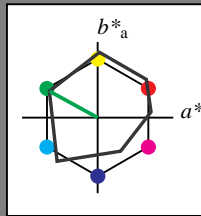
BAM registration: 20060101-SE40/10Q/Q40E01SP.PS/.PDF application for evaluation and measurement of printer or monitor systems

BAM material: code=rhadtA

Input: Colorimetric Offset Reflective System ORS18

for hue  $h^* = lab^*h = 151/360 = 0.42$   
 $lab^*tch$  and  $lab^*nch$

A: hue L  
LCH\*Ma: 51 73 151  
olv\*Ma: 0.0 1.0 0.0  
triangle lightness

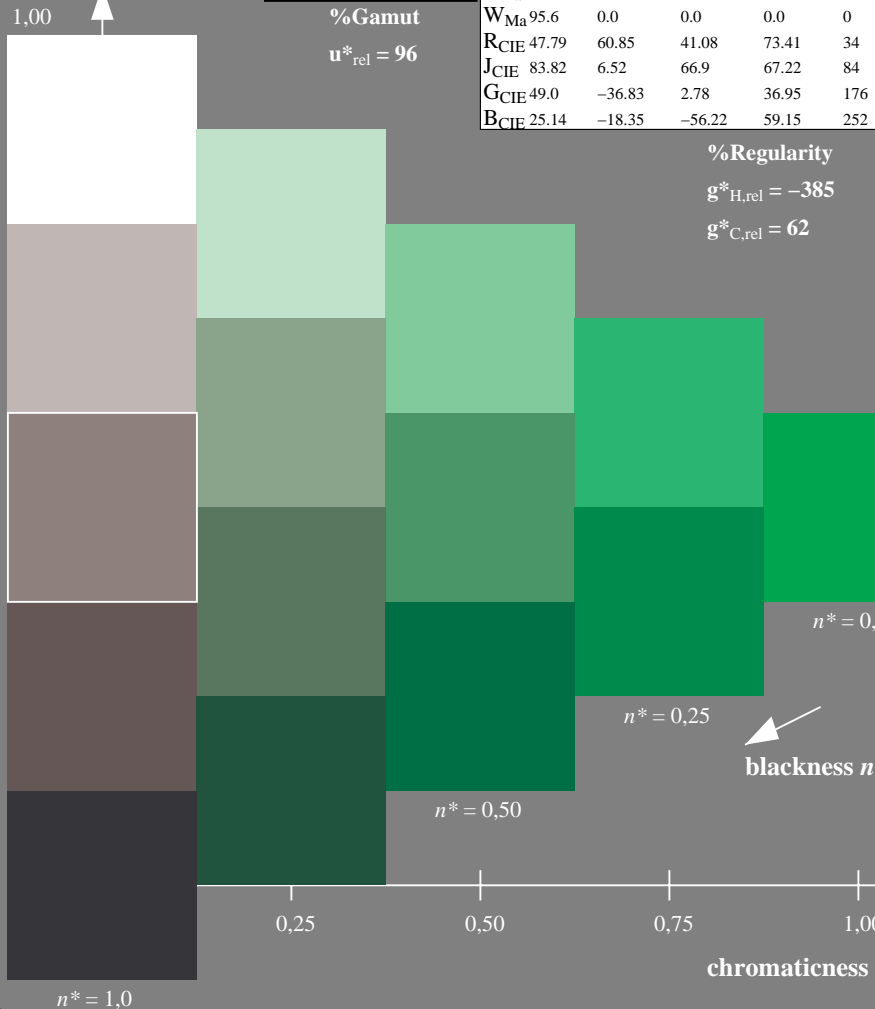


ORS18; adapted (a) CIELAB data table with columns L\*, a\*, b\*, C\*, h\* and rows OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

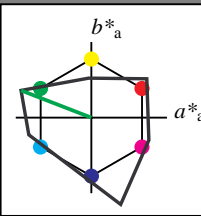


SE400-7, 5 step scales for constant CIELAB hue 151/360 = 0.42 (left)

Output: Colorimetric Television Luminous System TLS00

for hue  $h^* = lab^*h = 159/360 = 0.441$   
 $lab^*tch$  and  $lab^*nch$

A: hue L  
LCH\*Ma: 77 100 159  
olv\*Ma: 0.0 1.0 0.0  
triangle lightness

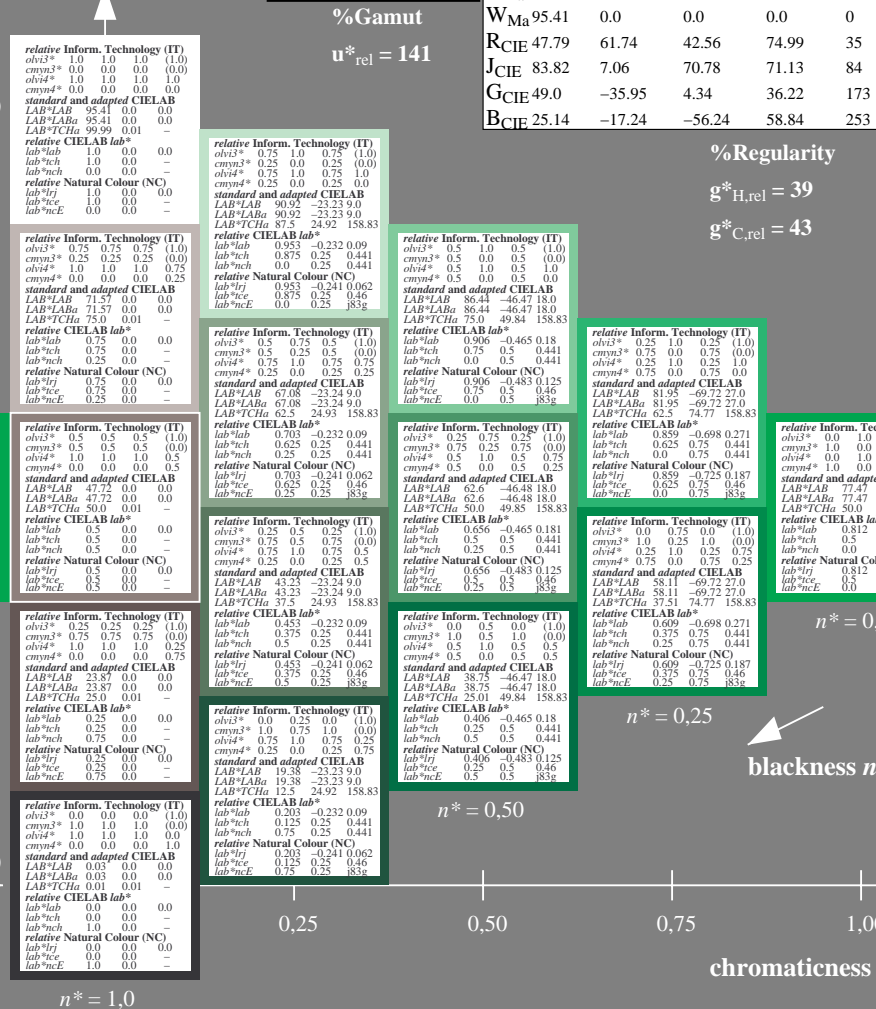


TLS00; adapted (a) CIELAB data table with columns L\*, a\*, b\*, C\*, h\* and rows OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$



5 step scales for constant CIELAB hue 159/360 = 0.441 (right)

BAM-test chart SE40; Colorimetric systems ORS18 & ORS18

A: 5 step colour scales and coordinate data for 10 hues

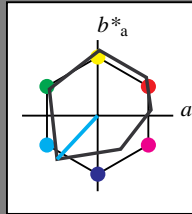
input:  $cmY0^*$  setcmYcolor

output: Startup (S) data dependend

Input: Colorimetric Offset Reflective System ORS18

for hue  $h^* = lab^*h = 227/360 = 0.631$   
 $lab^*tch$  and  $lab^*nch$

A: hue C  
LCH\*Ma: 51 79 227  
olv\*Ma: 0.0 1.0 1.0  
triangle lightness

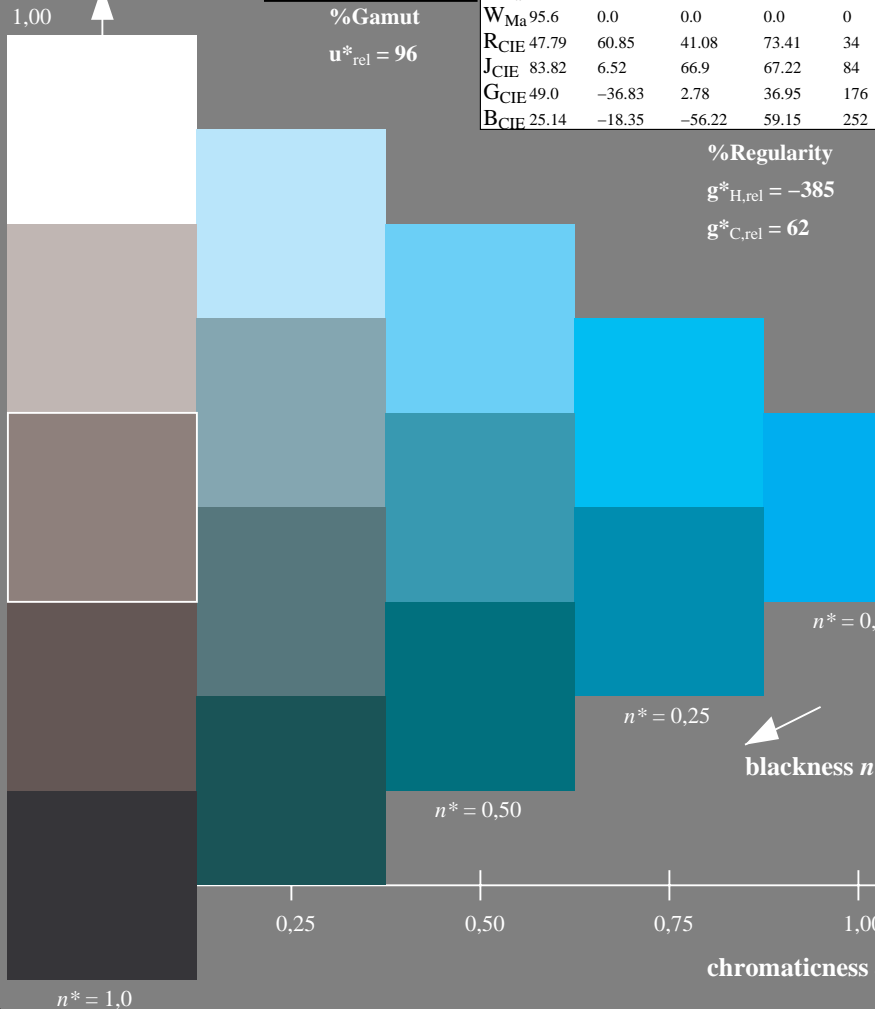


ORS18; adapted (a) CIELAB data table with columns L\*, a\*, b\*, C\*, h\* and rows OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

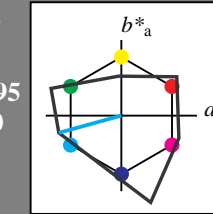


SE400-7, 5 step scales for constant CIELAB hue 227/360 = 0.631 (left)

Output: Colorimetric Television Luminous System TLS00

for hue  $h^* = lab^*h = 195/360 = 0.543$   
 $lab^*tch$  and  $lab^*nch$

A: hue C  
LCH\*Ma: 78 86 195  
olv\*Ma: 0.0 1.0 1.0  
triangle lightness

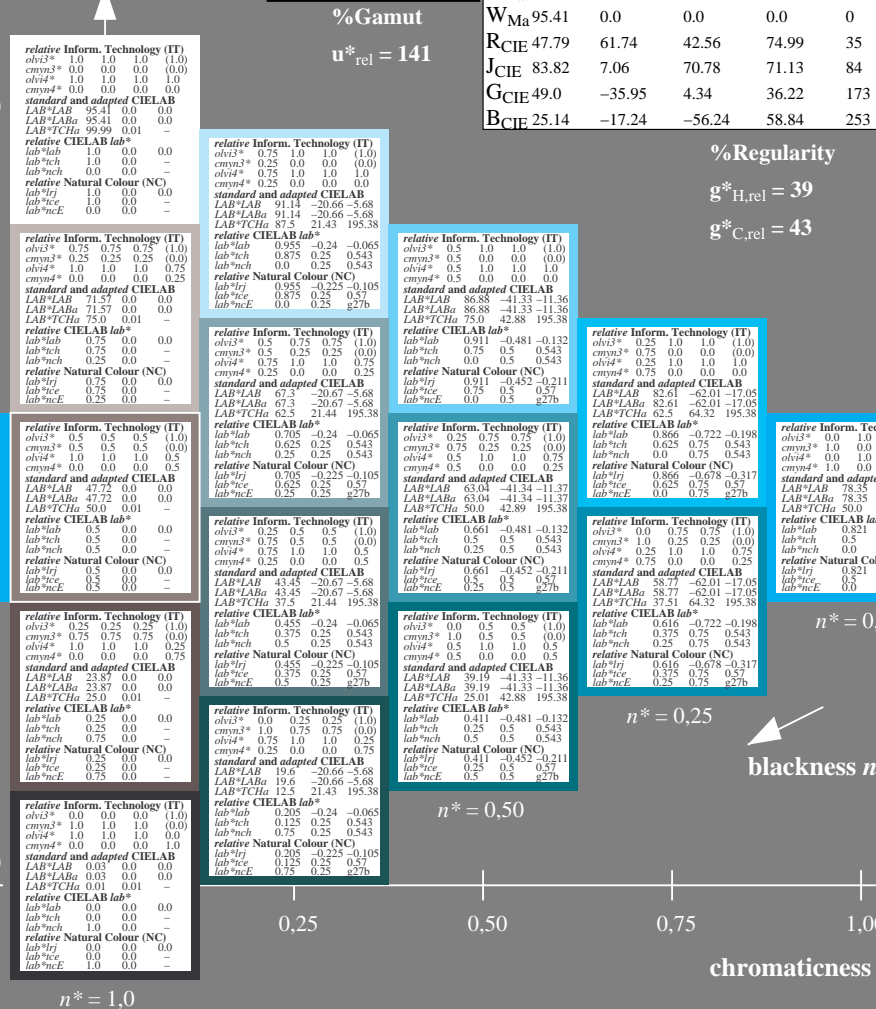


TLS00; adapted (a) CIELAB data table with columns L\*, a\*, b\*, C\*, h\* and rows OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$



5 step scales for constant CIELAB hue 195/360 = 0.543 (right)

BAM-test chart SE40; Colorimetric systems ORS18 & ORS18

A: 5 step color scales and coordinate data for 10 hues

input:  $cmY0^*$  setcmYcolor

output: Startup (S) data dependent

See for similar files: http://www.ps.bam.de/SE40/ Technical information: http://www.ps.bam.de Version 2.1, io=0,0?

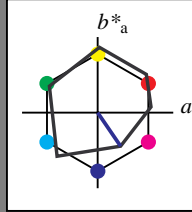
BAM registration: 20060101-SE40/10Q/Q40E03SP.PS/.PDF application for evaluation and measurement of printer or monitor systems BAM material: code=rhadt4

Input: Colorimetric Offset Reflective System ORS18

for hue  $h^* = lab^*h = 304/360 = 0.845$

$lab^*tch$  and  $lab^*nch$

A: hue V  
LCH\*Ma: 26 54 304  
olv\*Ma: 0.0 0.0 1.0  
triangle lightness



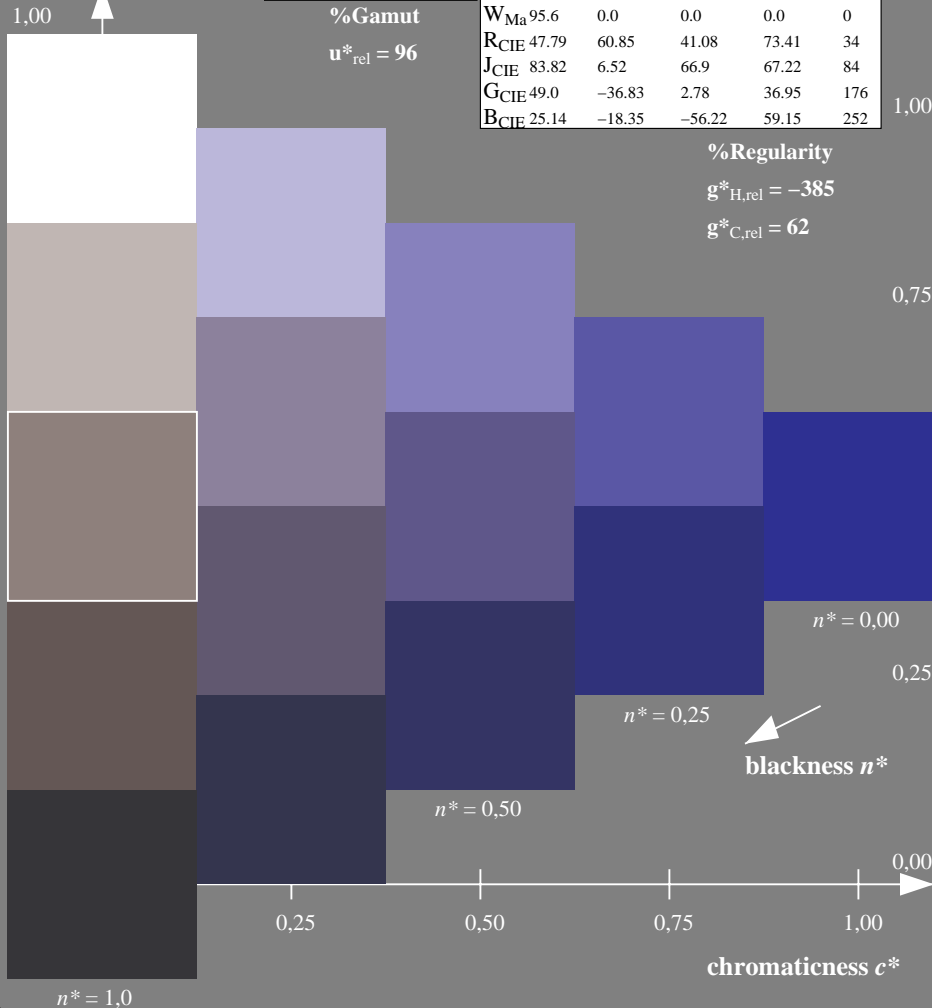
ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	47.94	64.42	50.58	81.9	38
Y <sub>Ma</sub>	92.62	2.41	86.36	86.39	88
L <sub>Ma</sub>	50.9	-63.82	35.02	72.81	151
C <sub>Ma</sub>	51.25	-53.68	-57.69	78.82	227
V <sub>Ma</sub>	25.72	30.34	-44.37	53.76	304
M <sub>Ma</sub>	56.25	70.59	7.57	70.99	6
N <sub>Ma</sub>	18.11	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.6	0.0	0.0	0.0	0
R <sub>CIE</sub>	47.79	60.85	41.08	73.41	34
J <sub>CIE</sub>	83.82	6.52	66.9	67.22	84
G <sub>CIE</sub>	49.0	-36.83	2.78	36.95	176
B <sub>CIE</sub>	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$



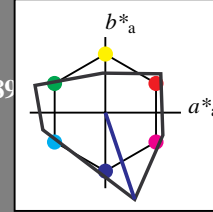
SE400-7, 5 step scales for constant CIELAB hue 304/360 = 0.845 (left)

Output: Colorimetric Television Luminous System TLS00

for hue  $h^* = lab^*h = 289/360 = 0.802$

$lab^*tch$  and  $lab^*nch$

A: hue V  
LCH\*Ma: 13 121 289  
olv\*Ma: 0.0 0.0 1.0  
triangle lightness



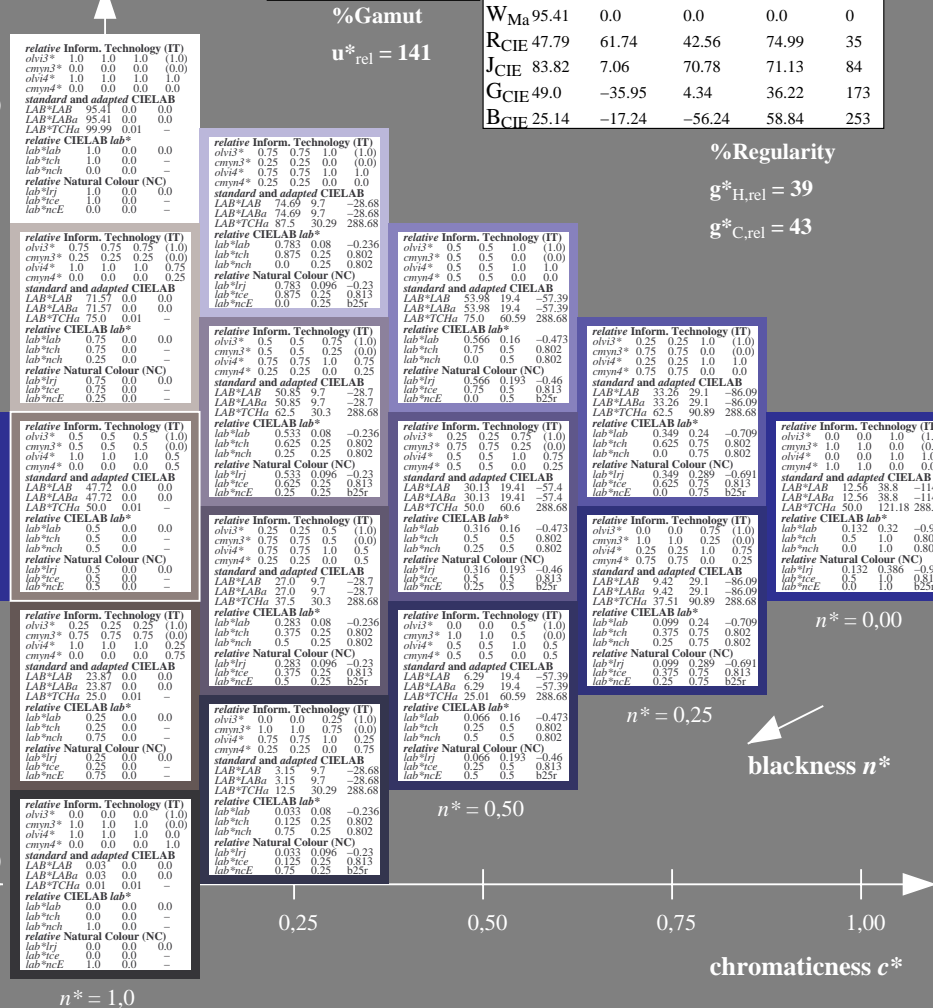
TLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	65.56	73.34	51.39	89.55	35
Y <sub>Ma</sub>	94.78	-3.49	52.24	52.36	94
L <sub>Ma</sub>	77.48	-92.97	36.0	99.71	159
C <sub>Ma</sub>	78.36	-82.69	-22.74	85.77	195
V <sub>Ma</sub>	12.55	38.81	-114.81	121.2	289
M <sub>Ma</sub>	66.71	76.08	-29.8	81.71	339
N <sub>Ma</sub>	0.01	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	47.79	61.74	42.56	74.99	35
J <sub>CIE</sub>	83.82	7.06	70.78	71.13	84
G <sub>CIE</sub>	49.0	-35.95	4.34	36.22	173
B <sub>CIE</sub>	25.14	-17.24	-56.24	58.84	253

%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$



5 step scales for constant CIELAB hue 289/360 = 0.802 (right)

BAM-test chart SE40; Colorimetric systems ORS18 & ORS18

A: 5 step colour scales and coordinate data for 10 hues

input:  $cmY0^*$  setcmYcolor

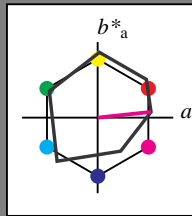
output: Startup (S) data dependend

Input: Colorimetric Offset Reflective System ORS18

for hue  $h^* = lab^*h = 6/360 = 0.017$

$lab^*tch$  and  $lab^*nch$

A: hue M  
LCH\*Ma: 56 71 6  
olv\*Ma: 1.0 0.0 1.0  
triangle lightness

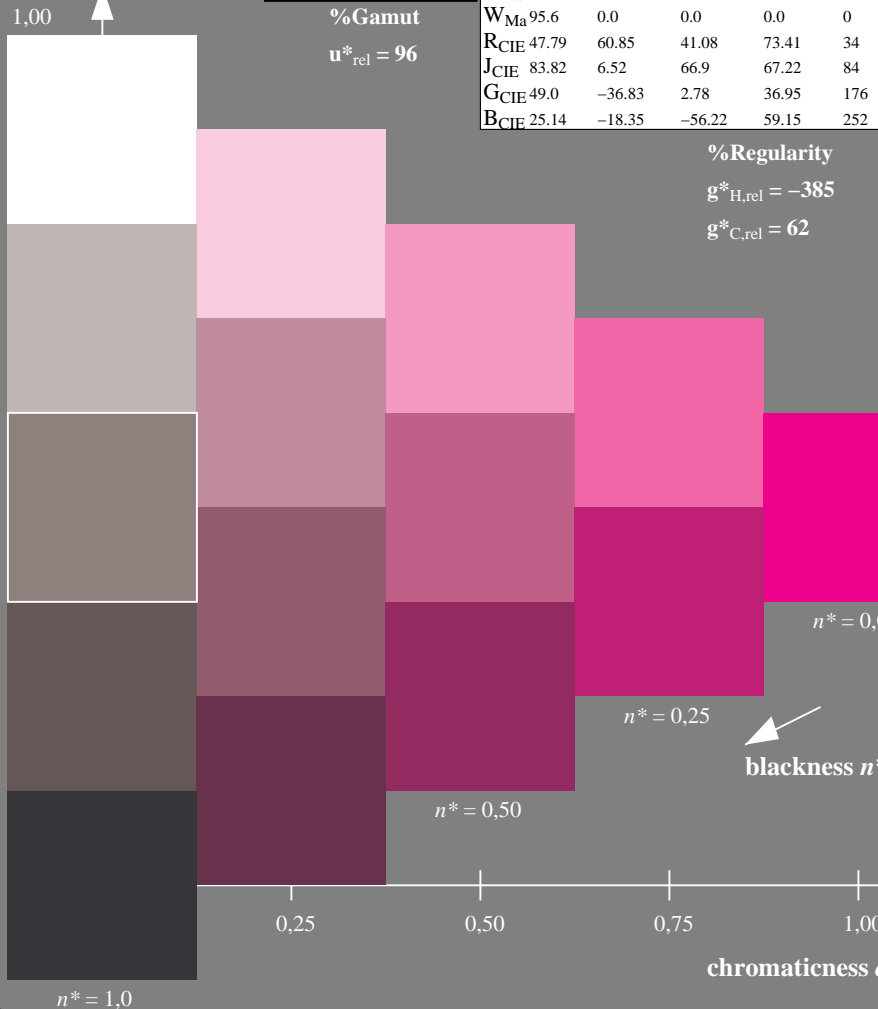


ORS18; adapted (a) CIELAB data table with columns L\*, a\*, b\*, C\*, h\* and rows OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

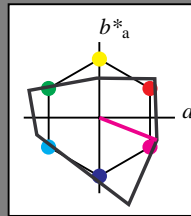


Output: Colorimetric Television Luminous System TLS00

for hue  $h^* = lab^*h = 339/360 = 0.941$

$lab^*tch$  and  $lab^*nch$

A: hue M  
LCH\*Ma: 67 82 339  
olv\*Ma: 1.0 0.0 1.0  
triangle lightness

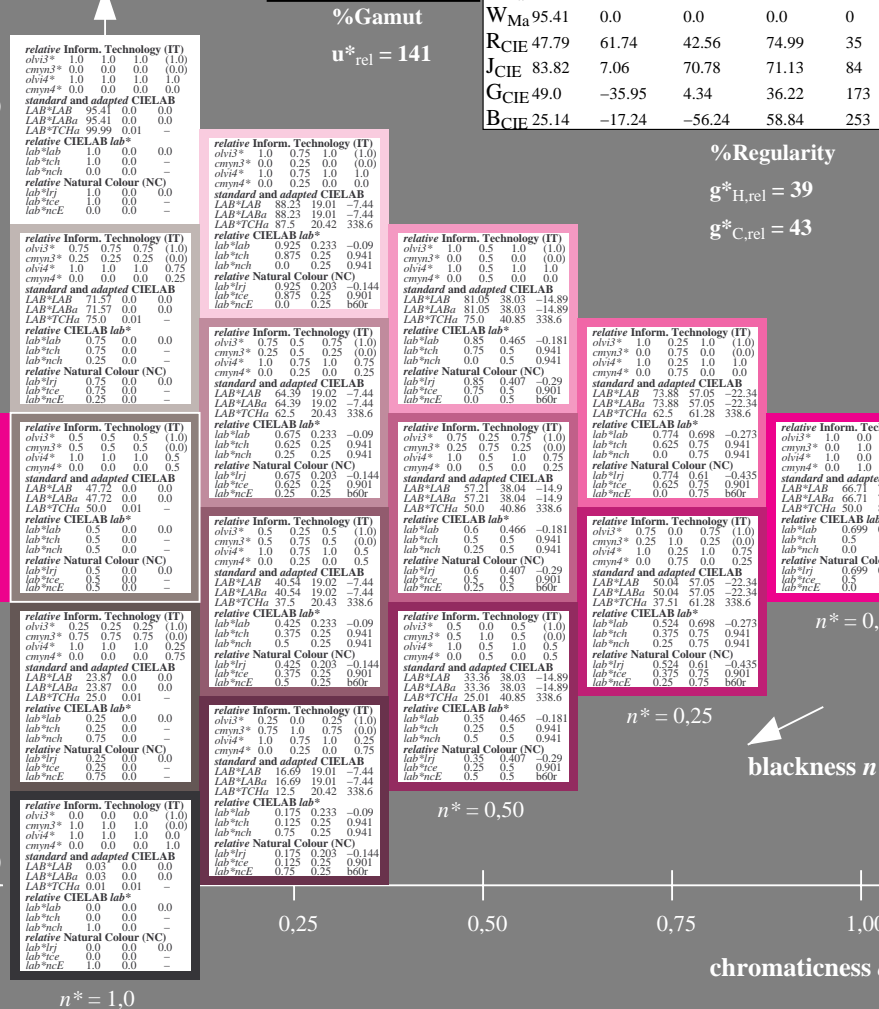


TLS00; adapted (a) CIELAB data table with columns L\*, a\*, b\*, C\*, h\* and rows OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$



SE400-7, 5 step scales for constant CIELAB hue 6/360 = 0.017 (left)

5 step scales for constant CIELAB hue 339/360 = 0.941 (right)

BAM-test chart SE40; Colorimetric systems ORS18 & ORS18

A: 5 step colour scales and coordinate data for 10 hues

input:  $cmY0^*$  setcmYcolor

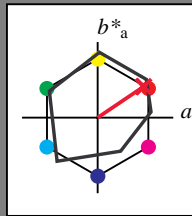
output: Startup (S) data dependend

Input: Colorimetric Offset Reflective System ORS18

for hue  $h^* = lab^*h = 34/360 = 0.095$

$lab^*tch$  and  $lab^*nch$

A: hue R  
LCH\*Ma: 49 79 34  
olv\*Ma: 1.0 0.0 0.15  
triangle lightness

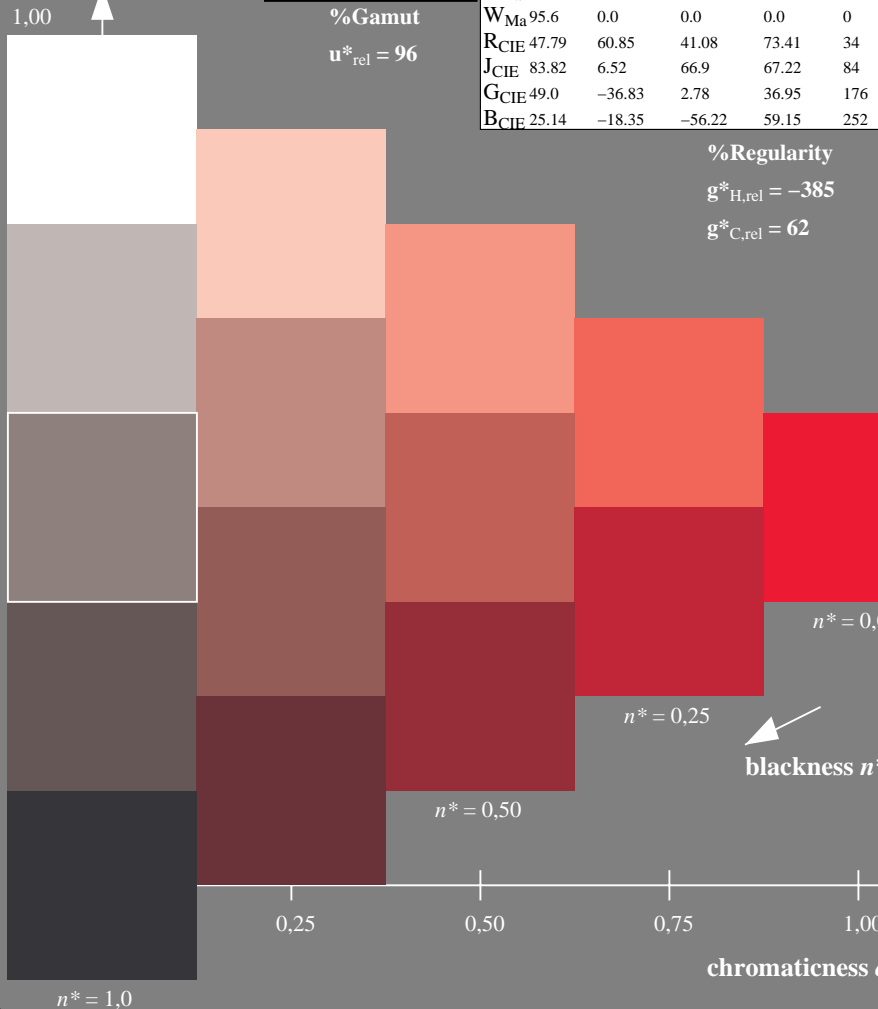


ORS18; adapted (a) CIELAB data table with columns L\*, a\*, b\*, C\*, h\* and rows OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$



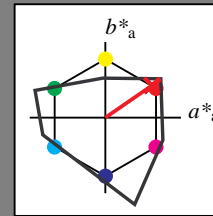
SE400-7, 5 step scales for constant CIELAB hue 34/360 = 0.095 (left)

Output: Colorimetric Television Luminous System TLS00

for hue  $h^* = lab^*h = 35/360 = 0.096$

$lab^*tch$  and  $lab^*nch$

A: hue R  
LCH\*Ma: 66 89 35  
olv\*Ma: 1.0 0.0 0.01  
triangle lightness

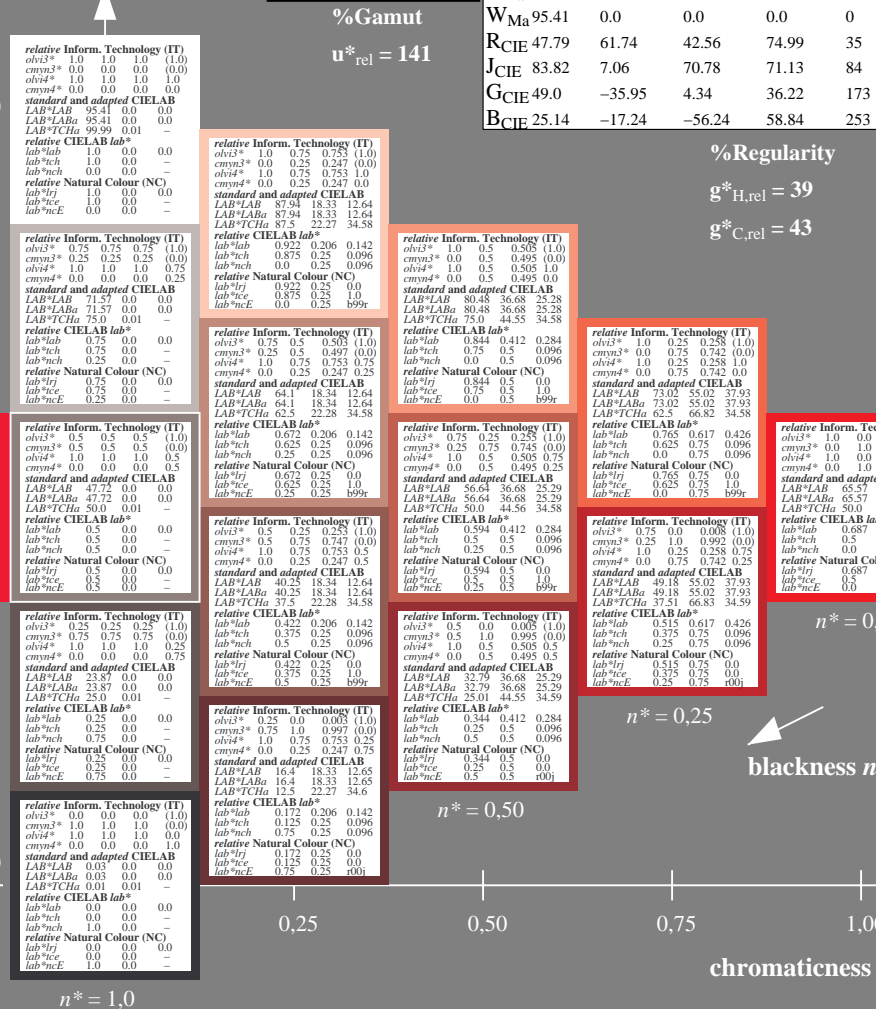


TLS00; adapted (a) CIELAB data table with columns L\*, a\*, b\*, C\*, h\* and rows OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$



5 step scales for constant CIELAB hue 35/360 = 0.096 (right)

BAM-test chart SE40; Colorimetric systems ORS18 & ORS18

A: 5 step colour scales and coordinate data for 10 hues

input:  $cmY0^*$  setcmYcolor

output: Startup (S) data dependend

See for similar files: http://www.ps.bam.de/SE40/ Technical information: http://www.ps.bam.de Version 2.1, io=0,0?

BAM registration: 20060101-SE40/10Q/Q40E06SP.PS/.PDF application for evaluation and measurement of printer or monitor systems BAM material: code=rhadt4

Input: Colorimetric Offset Reflective System ORS18

for hue  $h^* = lab^*h = 84/360 = 0.235$

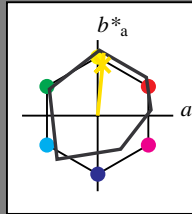
$lab^*tch$  and  $lab^*nch$

A: hue J

LCH\*Ma: 89 83 84

olv\*Ma: 1.0 0.91 0.0

triangle lightness



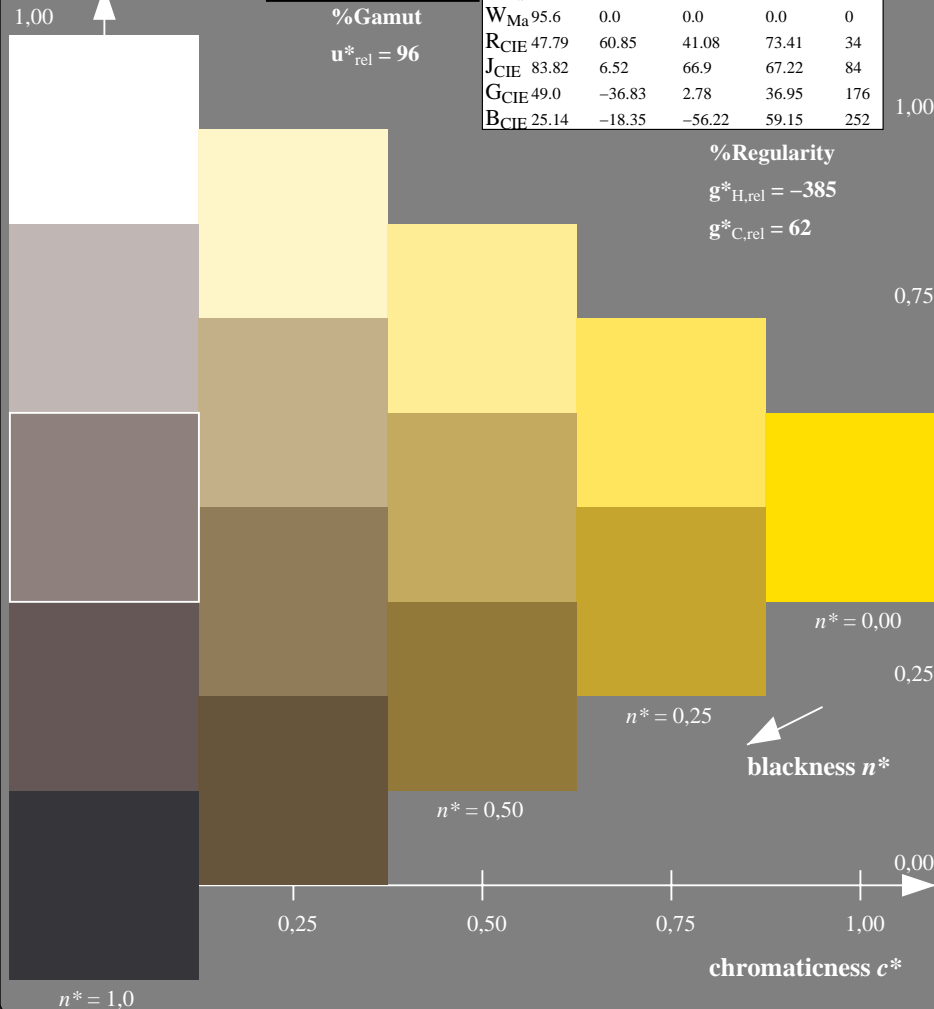
ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	47.94	64.42	50.58	81.9	38
Y <sub>Ma</sub>	92.62	2.41	86.36	86.39	88
L <sub>Ma</sub>	50.9	-63.82	35.02	72.81	151
C <sub>Ma</sub>	51.25	-53.68	-57.69	78.82	227
V <sub>Ma</sub>	25.72	30.34	-44.37	53.76	304
M <sub>Ma</sub>	56.25	70.59	7.57	70.99	6
N <sub>Ma</sub>	18.11	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.6	0.0	0.0	0.0	0
R <sub>CIE</sub>	47.79	60.85	41.08	73.41	34
J <sub>CIE</sub>	83.82	6.52	66.9	67.22	84
G <sub>CIE</sub>	49.0	-36.83	2.78	36.95	176
B <sub>CIE</sub>	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$



SE400-7, 5 step scales for constant CIELAB hue 84/360 = 0.235 (left)

Output: Colorimetric Television Luminous System TLS00

for hue  $h^* = lab^*h = 84/360 = 0.234$

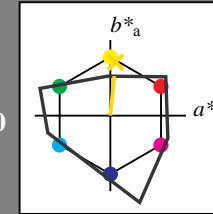
$lab^*tch$  and  $lab^*nch$

A: hue J

LCH\*Ma: 91 52 84

olv\*Ma: 1.0 0.89 0.0

triangle lightness



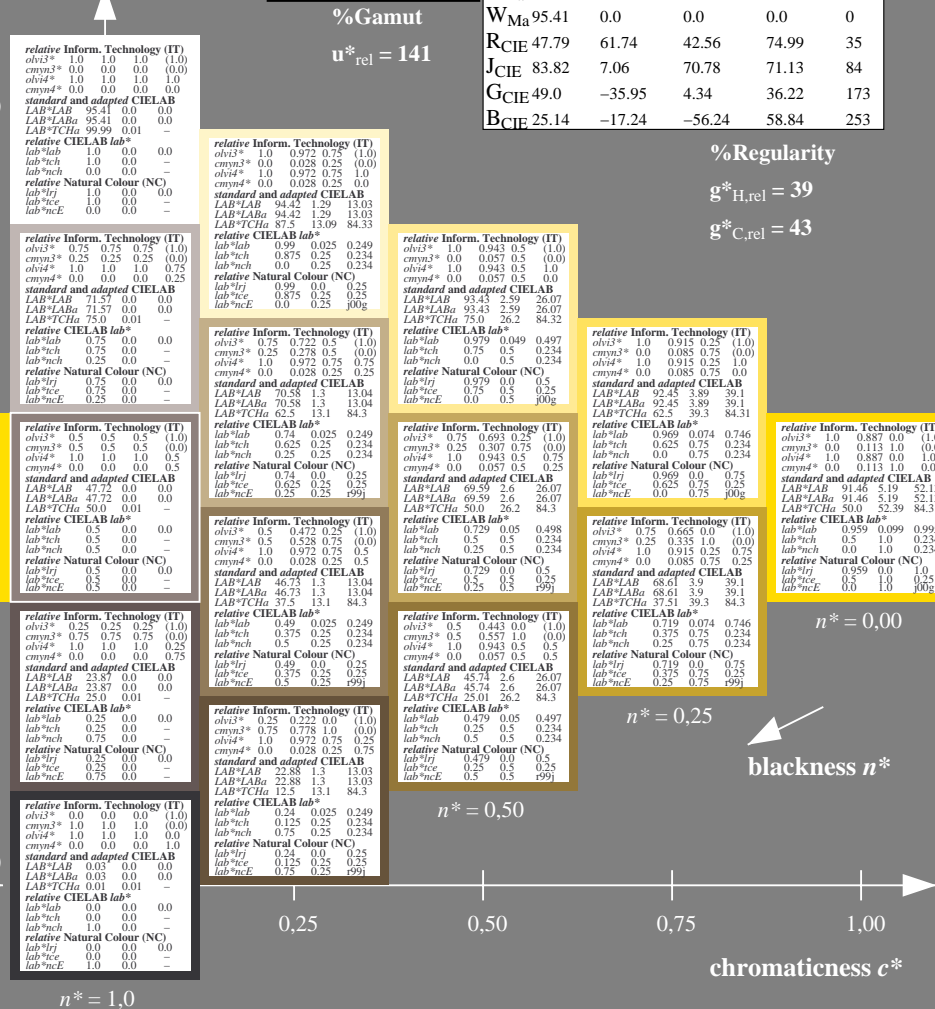
TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	65.56	73.34	51.39	89.55	35
Y <sub>Ma</sub>	94.78	-3.49	52.24	52.36	94
L <sub>Ma</sub>	77.48	-92.97	36.0	93.71	159
C <sub>Ma</sub>	78.36	-82.69	-22.74	85.77	195
V <sub>Ma</sub>	12.55	38.81	-114.81	121.2	289
M <sub>Ma</sub>	66.71	76.08	-29.8	81.71	339
N <sub>Ma</sub>	0.01	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	47.79	61.74	42.56	74.99	35
J <sub>CIE</sub>	83.82	7.06	70.78	71.13	84
G <sub>CIE</sub>	49.0	-35.95	4.34	36.22	173
B <sub>CIE</sub>	25.14	-17.24	-56.24	58.84	253

%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$



5 step scales for constant CIELAB hue 84/360 = 0.234 (right)

BAM-test chart SE40; Colorimetric systems ORS18 & ORS18

A: 5 step colour scales and coordinate data for 10 hues

input:  $cmY0^*$  setcmYcolor

output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/SE40/>  
Technical information: <http://www.ps.bam.de> Version 2.1, io=0,0?

BAM registration: 20060101-SE40/10Q/Q40E07SP.PS/.PDF  
application for evaluation and measurement of printer or monitor systems  
BAM material: code=rhadt4  
SE400 Form: 8/10, Serie: 1/1, Page: 8  
Page count: 8



Input: Colorimetric Offset Reflective System ORS18

for hue  $h^* = lab^*h = 176/360 = 0.488$

$lab^*tch$  and  $lab^*nch$

A: hue G

LCH\*Ma: 51 61 176

olv\*Ma: 0.0 1.0 0.33

triangle lightness

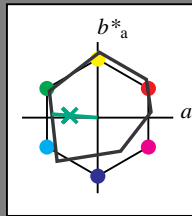
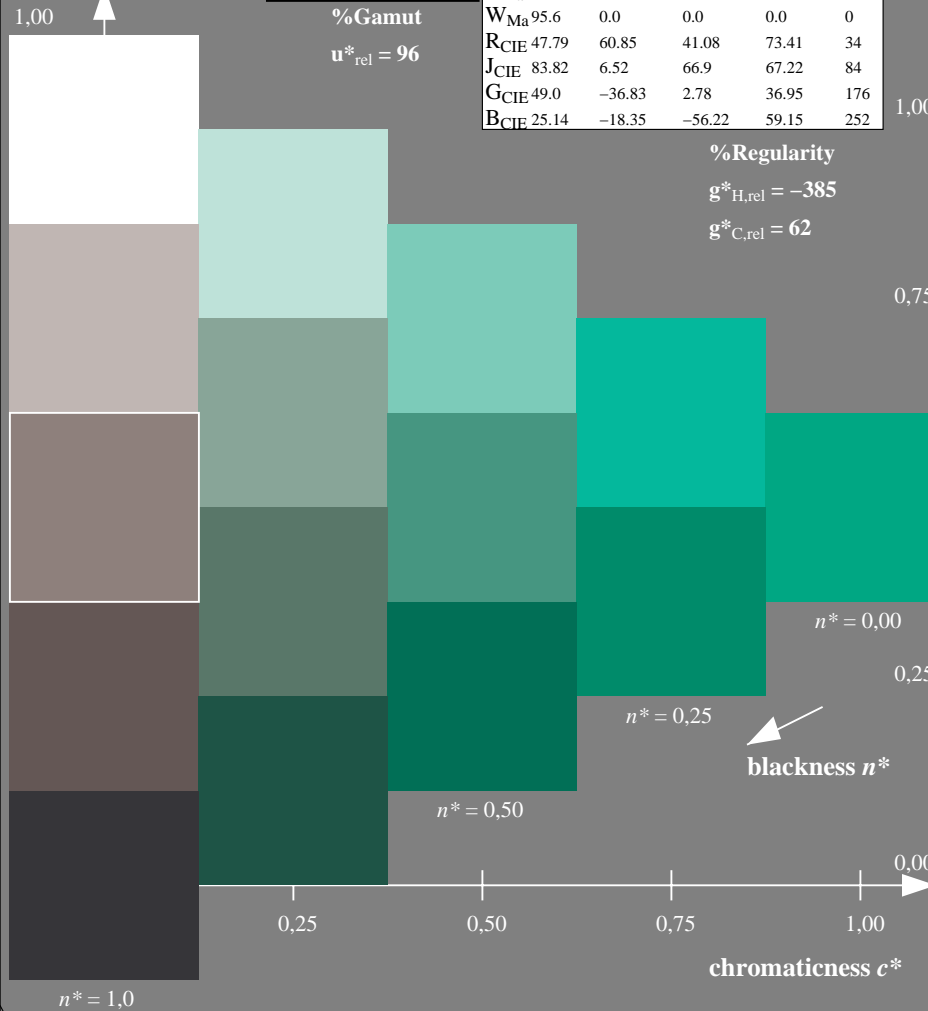


Table with 5 columns: L\*, a\*, b\*, C\*, h\*. Rows include OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$



SE400-7, 5 step scales for constant CIELAB hue 176/360 = 0.488 (left)

Output: Colorimetric Television Luminous System TLS00

for hue  $h^* = lab^*h = 173/360 = 0.481$

$lab^*tch$  and  $lab^*nch$

A: hue G

LCH\*Ma: 78 89 173

olv\*Ma: 0.0 1.0 0.43

triangle lightness

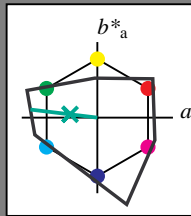
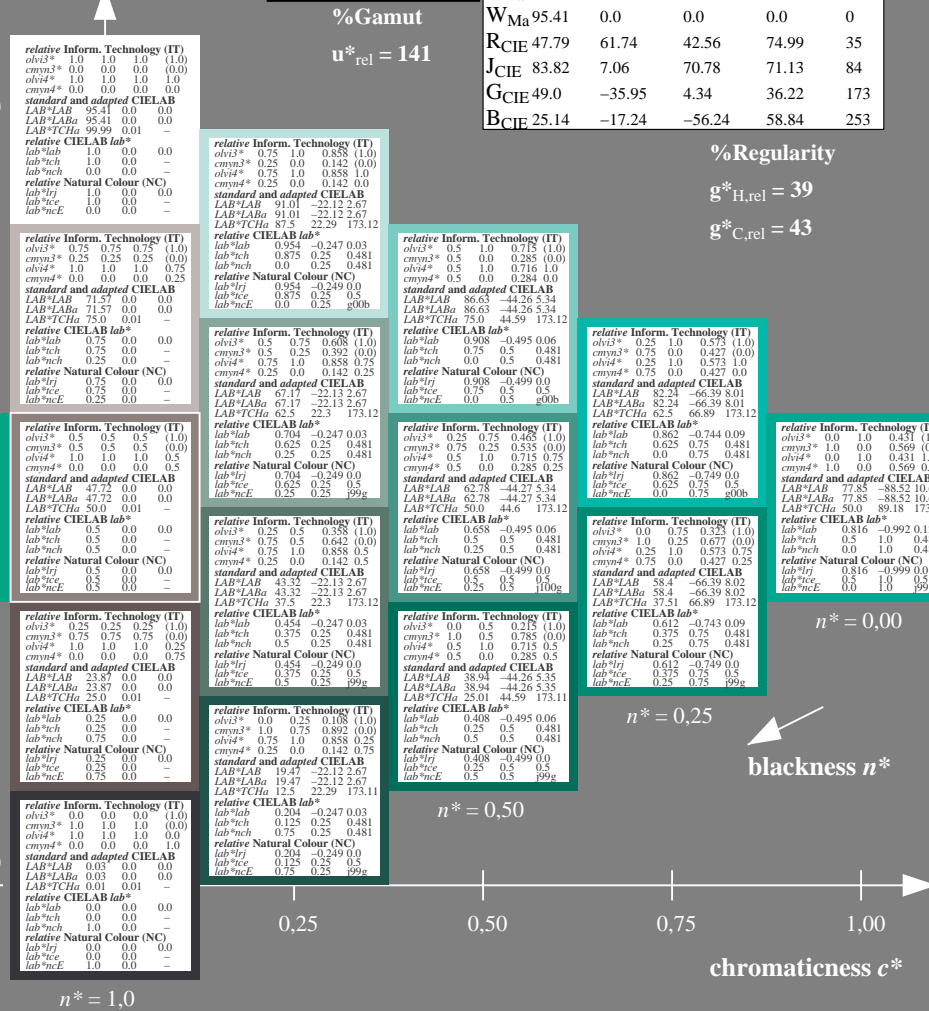


Table with 5 columns: L\*, a\*, b\*, C\*, h\*. Rows include OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$



5 step scales for constant CIELAB hue 173/360 = 0.481 (right)

BAM-test chart SE40; Colorimetric systems ORS18 & ORS18

A: 5 step colour scales and coordinate data for 10 hues

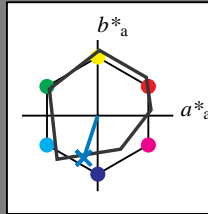
input:  $cmY0^*$  setcmYcolor

output: Startup (S) data dependend

Input: Colorimetric Offset Reflective System ORS18

for hue  $h^* = lab^*h = 252/360 = 0.7$   
 $lab^*tch$  and  $lab^*nch$

A: hue B  
LCH\*Ma: 40 55 252  
olv\*Ma: 0.0 0.56 1.0  
triangle lightness

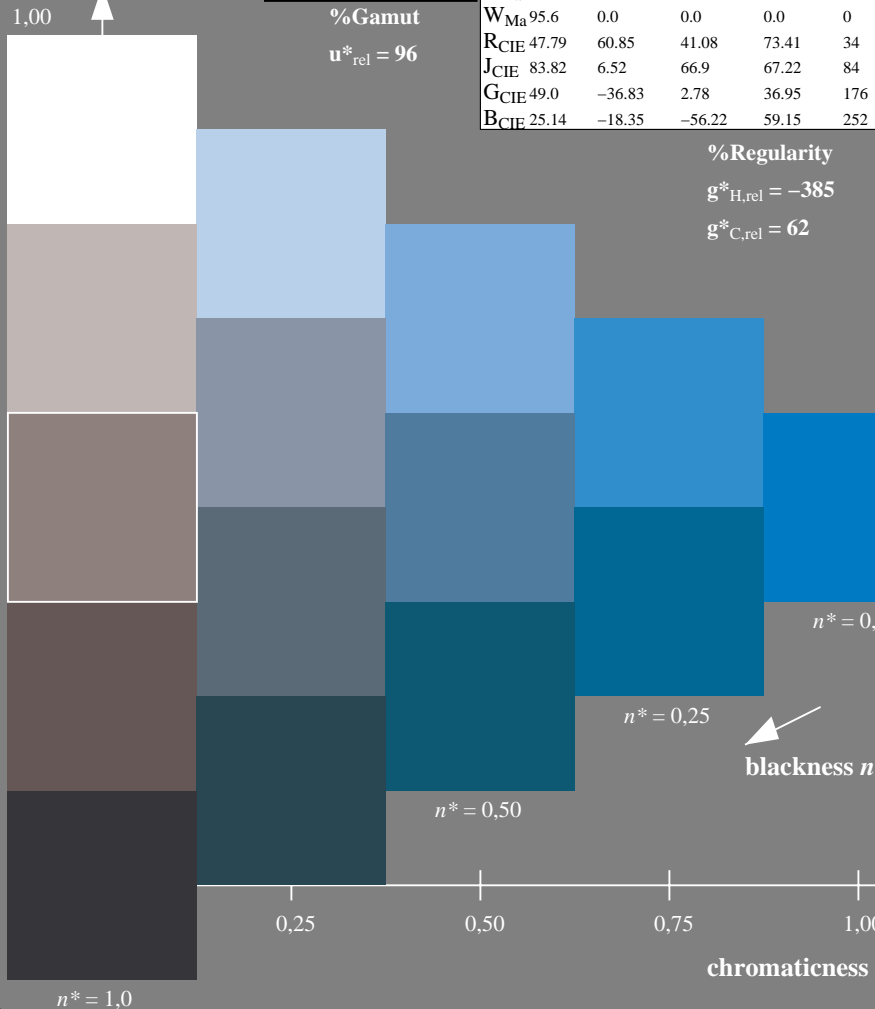


ORS18; adapted (a) CIELAB data table with columns L\*, a\*, b\*, C\*, h\* and rows OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Regularity

$g^*_{H,rel} = -385$

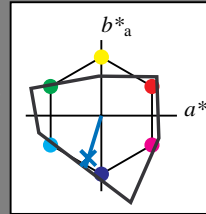
$g^*_{C,rel} = 62$



Output: Colorimetric Television Luminous System TLS00

for hue  $h^* = lab^*h = 253/360 = 0.703$   
 $lab^*tch$  and  $lab^*nch$

A: hue B  
LCH\*Ma: 45 72 253  
olv\*Ma: 0.0 0.49 1.0  
triangle lightness

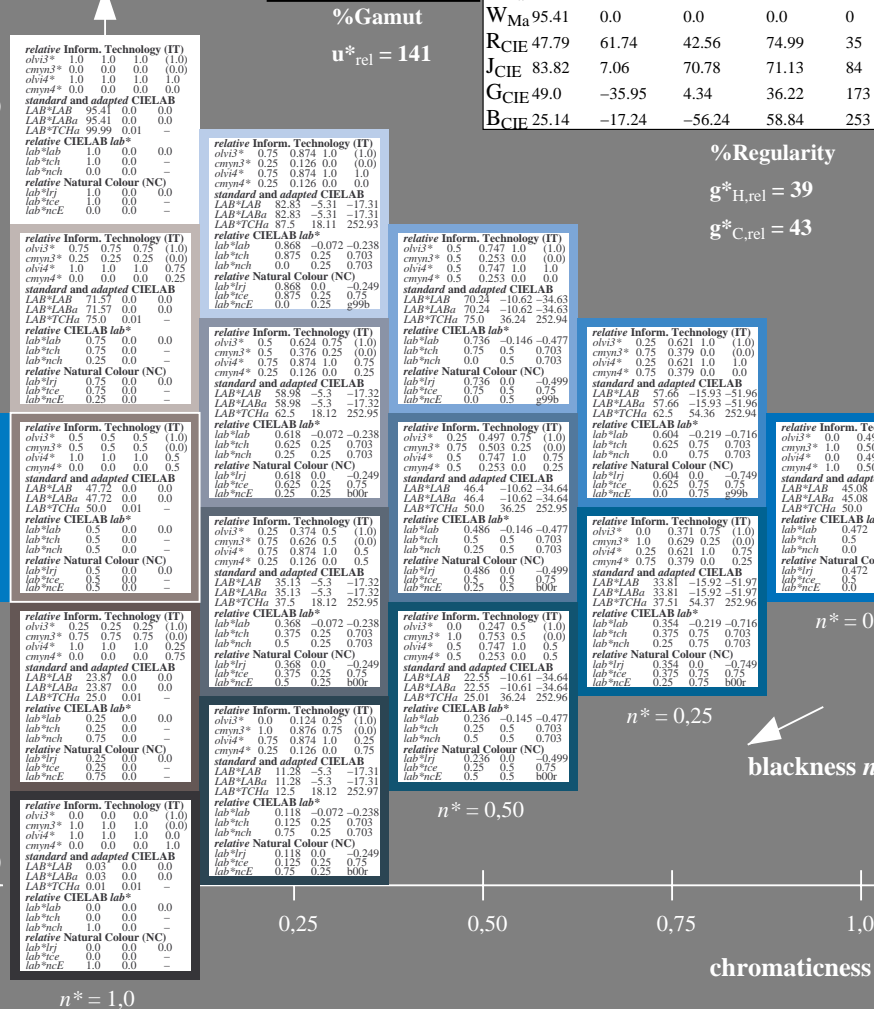


TLS00; adapted (a) CIELAB data table with columns L\*, a\*, b\*, C\*, h\* and rows OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$



SE400-7, 5 step scales for constant CIELAB hue 252/360 = 0.7 (left)

5 step scales for constant CIELAB hue 253/360 = 0.703 (right)

BAM-test chart SE40; Colorimetric systems ORS18 & ORS18

A: 5 step colour scales and coordinate data for 10 hues

input:  $cmY0^*$  setcmYcolor

output: Startup (S) data dependend