



$n^* = 0,00$

blackness n^*

$n^* = 0,50$

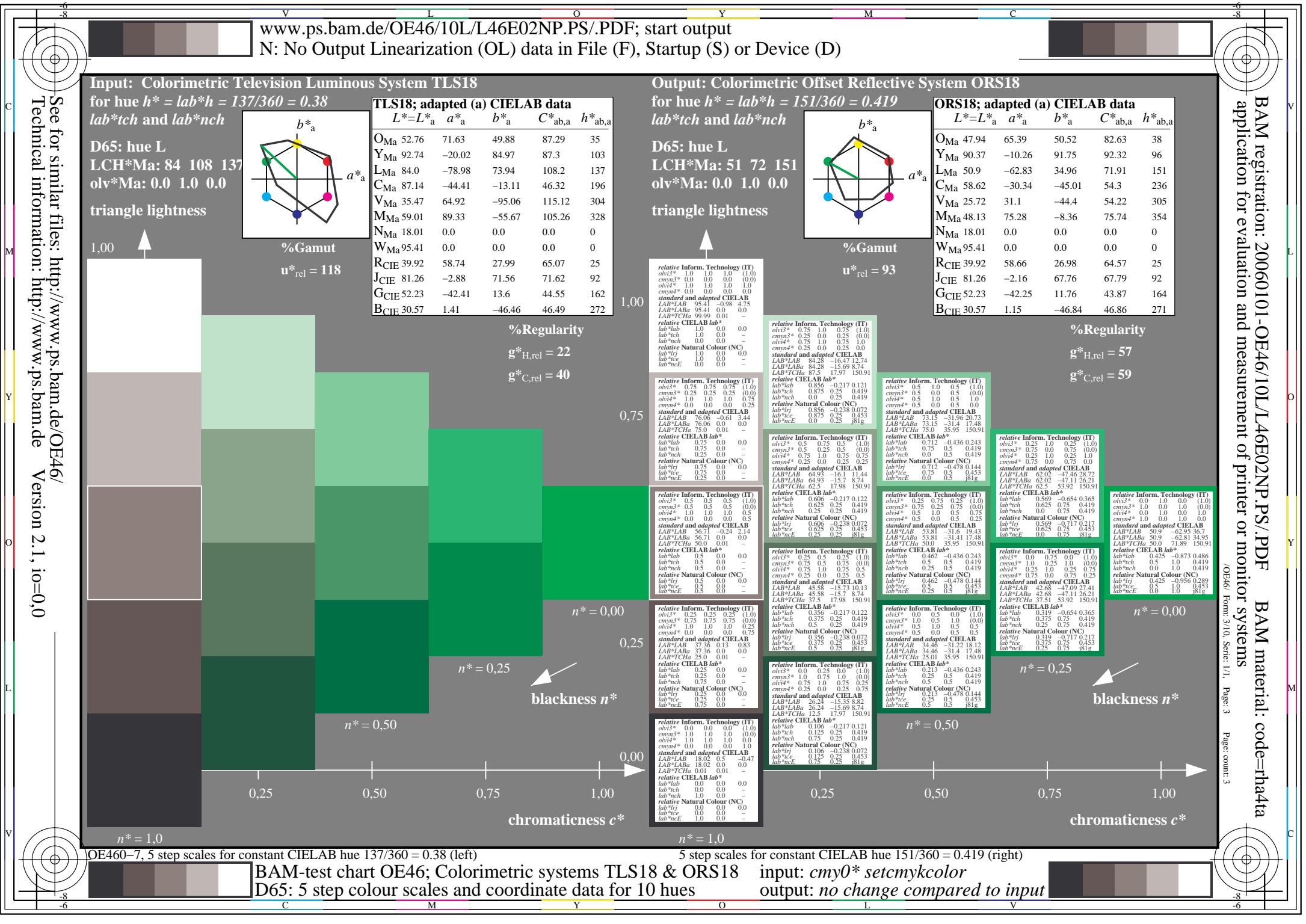
chromaticness c^*

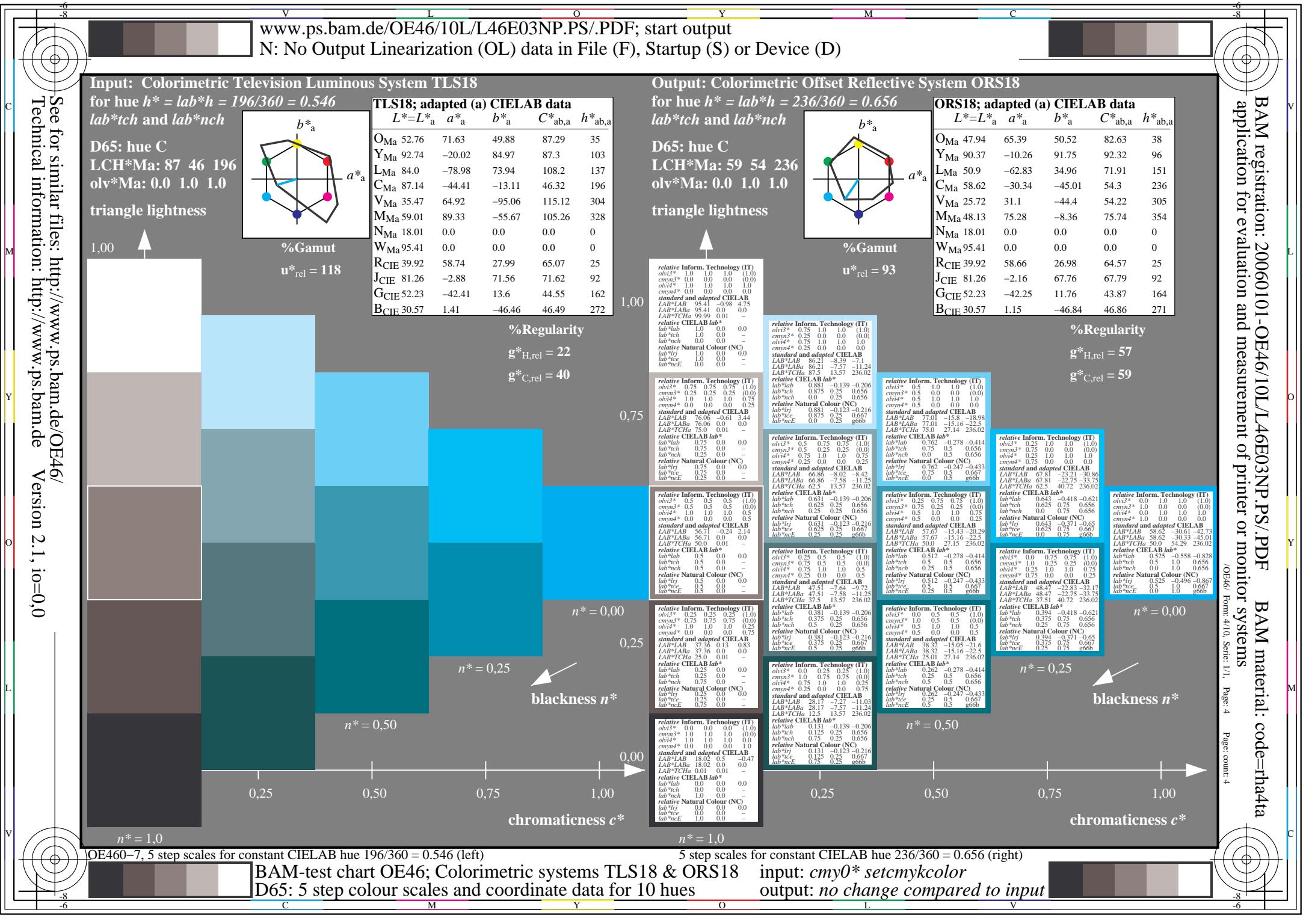
$n^* = 1,00$

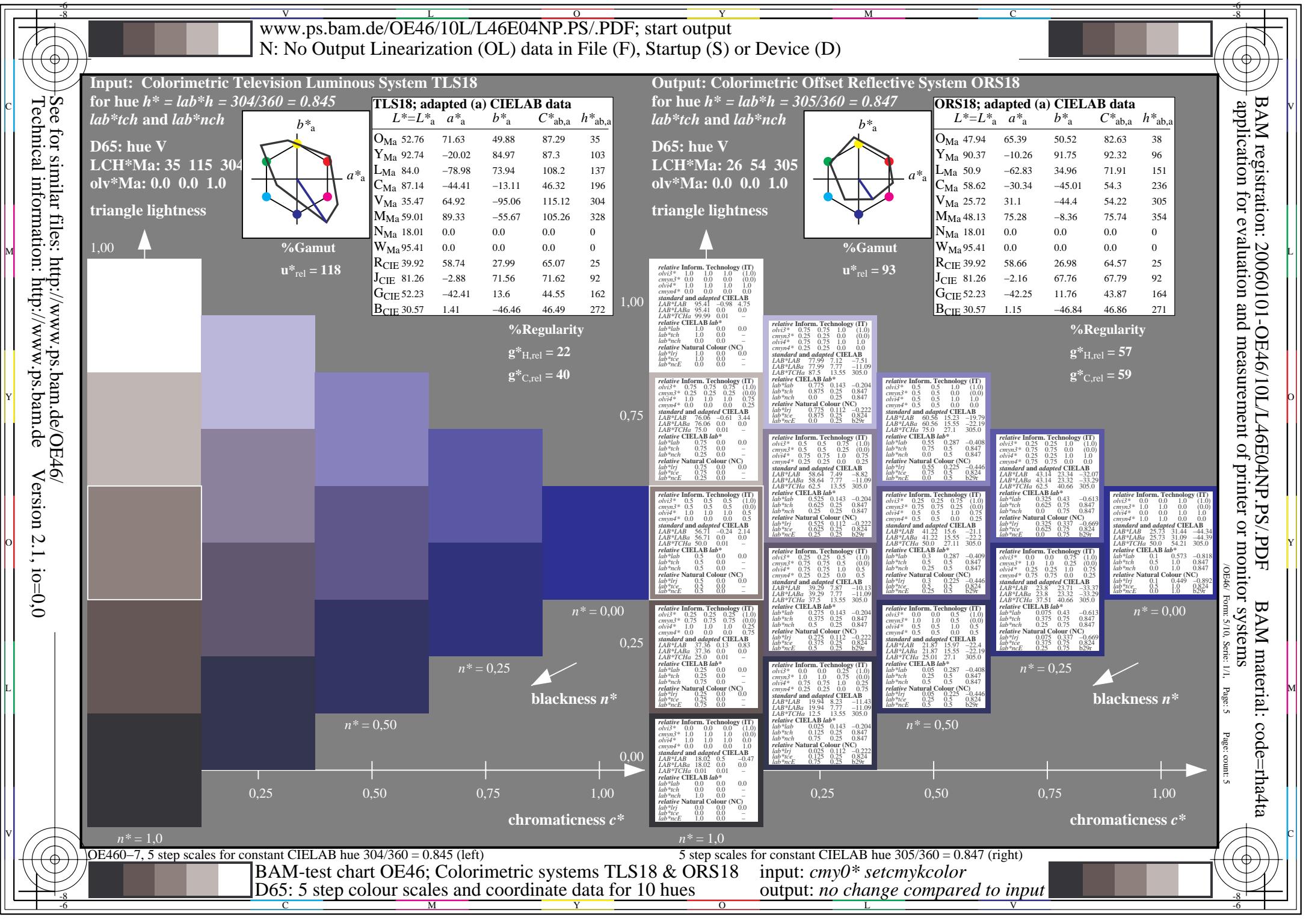
$c^* = 0,00$

$c^* = 0,50$

$c^* = 1,00$







See for similar files: <http://www.ps.bam.de/OE46/>

Technical information: <http://www.ps.bam.de> Version 2.1, io=0

Input: Colorimetric Television Luminous System TLS18

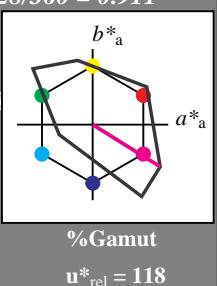
for hue $h^* = lab^*h = 328/360 = 0.911$
 lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 1.0

triangle lightness



TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	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	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	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 _{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

1,00 ↑



%Regularity

$g^*_{H,rel} = 22$
 $g^*_{C,rel} = 40$

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 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 _{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

1,00 ↑



%Regularity

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

relative Inform. Technology (IT)

olv^3* 1.0 1.0 1.0 (1.0)

$cmy3*$ 0.0 0.0 0.0 (0.0)

olv^4* 1.0 1.0 1.0

$cmy4*$ 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 83.59 18.05 1.87

LAB^*TCh 87.5 18.93 353.66

LAB^*TCh 99.99 0.01

relative CIELAB lab*

lab^*lab 0.0 0.0 0.0

lab^*tch 1.0 0.0 0.0

lab^*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab^*lrj 0.0 0.0 0.0

lab^*ice 1.0 0.0 0.0

lab^*nCE 0.0 0.0 0.0

relative Inform. Technology (IT)

olv^3* 0.75 0.75 0.75 (1.0)

$cmy3*$ 0.25 0.25 0.25 (0.0)

olv^4* 1.0 1.0 1.0

$cmy4*$ 0.0 0.0 0.5

standard and adapted CIELAB

LAB^*LAB 56.71 0.24 2.14

LAB^*TCh 50.0 0.01 0.0

LAB^*TCh 50.0 0.01

relative CIELAB lab*

lab^*lab 0.597 0.248 -0.027

lab^*tch 0.875 0.25 0.982

lab^*nch 0.0 0.25 0.982

relative Natural Colour (NC)

lab^*lrj 0.847 0.25 0.932

lab^*ice 0.875 0.25 0.932

lab^*nCE 0.25 0.25 0.972

relative Inform. Technology (IT)

olv^3* 0.75 0.75 0.75 (1.0)

$cmy3*$ 0.25 0.25 0.25 (0.0)

olv^4* 1.0 1.0 1.0

$cmy4*$ 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 52.42 37.48 -2.32

LAB^*TCh 52.42 37.48 -2.32

LAB^*TCh 52.42 37.48 -2.32

relative CIELAB lab*

lab^*lab 0.597 0.248 -0.027

lab^*tch 0.875 0.25 0.982

lab^*nch 0.0 0.25 0.982

relative Natural Colour (NC)

lab^*lrj 0.847 0.25 0.932

lab^*ice 0.875 0.25 0.932

lab^*nCE 0.25 0.25 0.972

relative Inform. Technology (IT)

olv^3* 0.75 0.75 0.75 (1.0)

$cmy3*$ 0.25 0.25 0.25 (0.0)

olv^4* 1.0 1.0 1.0

$cmy4*$ 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 59.95 56.15 -3.9

LAB^*TCh 59.95 56.45 -3.66

LAB^*TCh 59.95 56.8 353.66

relative CIELAB lab*

lab^*lab 0.542 0.248 -0.082

lab^*tch 0.875 0.25 0.982

lab^*nch 0.0 0.25 0.982

relative Natural Colour (NC)

lab^*lrj 0.548 0.454 -0.208

lab^*ice 0.548 0.454 -0.208

lab^*nCE 0.25 0.25 0.972

relative Inform. Technology (IT)

olv^3* 0.75 0.75 0.75 (1.0)

$cmy3*$ 0.25 0.25 0.25 (0.0)

olv^4* 1.0 1.0 1.0

$cmy4*$ 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 48.13 75.18 -6.79

LAB^*TCh 50.0 75.73 353.66

relative CIELAB lab*

lab^*lab 0.542 0.248 -0.082

lab^*tch 0.875 0.25 0.982

lab^*nch 0.0 0.25 0.982

relative Natural Colour (NC)

lab^*lrj 0.548 0.454 -0.208

lab^*ice 0.548 0.454 -0.208

lab^*nCE 0.25 0.25 0.972

relative Inform. Technology (IT)

olv^3* 0.75 0.75 0.75 (1.0)

$cmy3*$ 0.25 0.25 0.25 (0.0)

olv^4* 1.0 1.0 1.0

$cmy4*$ 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 48.13 75.18 -6.79

LAB^*TCh 50.0 75.73 353.66

relative CIELAB lab*

lab^*lab 0.542 0.248 -0.082

lab^*tch 0.875 0.25 0.982

lab^*nch 0.0 0.25 0.982

relative Natural Colour (NC)

lab^*lrj 0.548 0.454 -0.208

lab^*ice 0.548 0.454 -0.208

lab^*nCE 0.25 0.25 0.972

relative Inform. Technology (IT)

olv^3* 0.75 0.75 0.75 (1.0)

$cmy3*$ 0.25 0.25 0.25 (0.0)

olv^4* 1.0 1.0 1.0

$cmy4*$ 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 48.13 75.18 -6.79

LAB^*TCh 50.0 75.73 353.66

relative CIELAB lab*

lab^*lab 0.542 0.248 -0.082

lab^*tch 0.875 0.25 0.982

lab^*nch 0.0 0.25 0.982

relative Natural Colour (NC)

lab^*lrj 0.548 0.454 -0.208

lab^*ice 0.548 0.454 -0.208

lab^*nCE 0.25 0.25 0.972

relative Inform. Technology (IT)

olv^3* 0.75 0.75 0.75 (1.0)

$cmy3*$ 0.25 0.25 0.25 (0.0)

olv^4* 1.0 1.0 1.0

$cmy4*$ 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 48.13 75.18 -6.79

LAB^*TCh 50.0 75.73 353.66

relative CIELAB lab*

lab^*lab 0.542 0.248 -0.082

lab^*tch 0.875 0.25 0.982

lab^*nch 0.0 0.25 0.982

relative Natural Colour (NC)

lab^*lrj 0.548 0.454 -0.208

lab^*ice 0.548 0.454 -0.208

lab^*nCE 0.25 0.25 0.972

relative Inform. Technology (IT)



See for similar files: <http://www.ps.bam.de/OE46/>
Technical information: <http://www.ps.bam.de>

Version 2.1, io=0.0



Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 25/360 = 0.071$

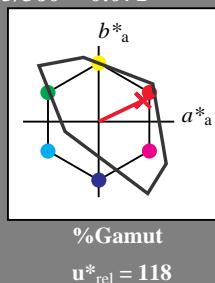
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 54 82 25

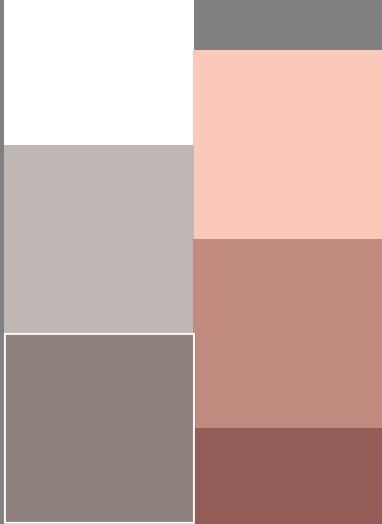
olv*Ma: 1.0 0.0 0.14

triangle lightness



%Gamut
 $u^*_{rel} = 118$

1,00



0,75

n* = 0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,0$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	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	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	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 _{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

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

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

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

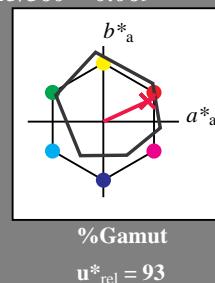
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

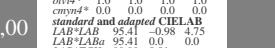
olv*Ma: 1.0 0.0 0.32

triangle lightness



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

1,00



$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

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

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

	$L^*=L^*_a$	a^*a	b^*a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	0.25	0.5	0.5	0.5	0.0
Y _{Ma}	0.75	0.25	0.25	0.25	0.0
L _{Ma}	0.5	0.5	0.5	0.5	0.0
C _{Ma}	0.5	0.5	0.5	0.5	0.0
V _{Ma}	0.5	0.5	0.5	0.5	0.0
M _{Ma}	0.5	0.5	0.5	0.5	0.0
N _{Ma}	0.5	0.5	0.5	0.5	0.0
W _{Ma}	0.5	0.5	0.5	0.5	0.0
R _{CIE}	0.5	0.5	0.5	0.5	0.0
J _{CIE}	0.5	0.5	0.5	0.5	0.0
G _{CIE}	0.5	0.5	0.5	0.5	0.0
B _{CIE}	0.5	0.5	0.5	0.5	0.0

relative Inform. Technology (IT)

$olv3^*$ 1.0 0.75 0.831 (1.0)

$cmy3^*$ 0.25 0.52 0.569 (0.0)

$olv4^*$ 1.0 0.75 0.831 1.0

$cmy4^*$ 0.0 0.0 0.0 0.0

standard and adapted CIELAB

LAB^*LAB 83.55 16.38 11.84

LAB^*TCh 87.5 18.86 24.69

$LAB^$

