

Input: Colorimetric Television Luminous System TLS18

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

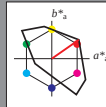
lab^*ch and lab^*nh

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

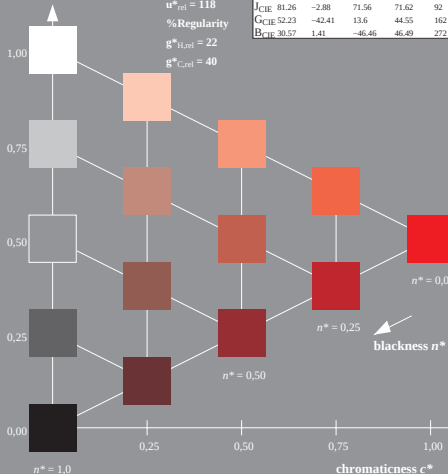
$u^*_{rel} = 118$

%Regularity

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

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

TLS18; adapted (a) CIELAB data					
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _m	52.76	71.63	49.88	87.29	35
Y _m	92.74	-20.02	84.97	87.3	103
L _m	84.0	-78.98	73.94	108.2	137
C _m	87.14	-44.41	-13.11	46.32	196
V _m	35.47	64.92	-95.06	115.12	304
M _m	59.01	89.33	-55.67	105.26	328
N _m	18.01	0.0	0.0	0.0	0
W _m	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



OE260-7, 5 step scales for constant CIELAB hue 35/360 = 0.097 (left)

BAM-test chart OE26; Colorimetric systems TLS18 & ORS18
D65: Coordinate systems of 5 step colour scales for 10 hues

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.105$

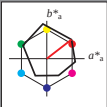
LAB^*LCH , LAB^*NCH

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

CIELAB lightness L^*



%Gamut

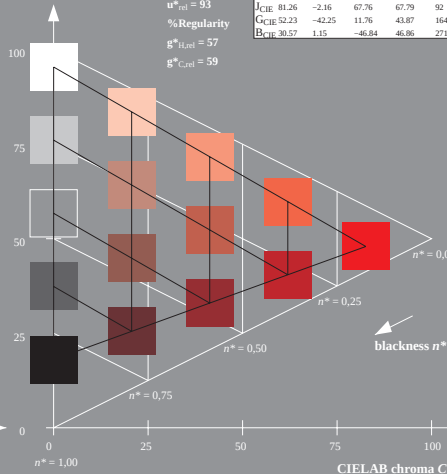
$u^*_{rel} = 93$

%Regularity

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

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

ORS18; adapted (a) CIELAB data					
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _m	47.94	65.39	50.52	82.63	38
Y _m	90.37	-10.26	91.75	92.32	96
L _m	50.9	-62.83	34.96	71.91	151
C _m	58.62	-30.34	-45.01	54.3	236
V _m	25.72	31.1	-44.4	54.22	305
M _m	48.13	75.28	-8.36	75.74	354
N _m	18.01	0.0	0.0	0.0	0
W _m	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



5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

input: $cmY0^* \text{ setcmykcolor}$
output: $cmY0^* / 000n^* \text{ setcmykcolor}$