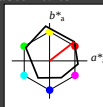


Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = \text{lab}^*h = 38/360 = 0.105$
lab^{*}tch and lab^{*}nch

D65: hue 0
LCH^{*}Ma: 48 83 38
ol^vMa: 1.0 0.0 0.0

triangle lightness l^*



ORS18; adapted (a) CIELAB data	L [*] =L _a	a [*]	b [*]	C [*]	h [*]
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	-44.01	54.3	236
V _{Ma}	25.72	31.1	-45.41	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 _{CE}	39.92	58.66	26.98	64.57	25
J _{CE}	81.26	-2.16	67.76	67.79	92
G _{CE}	52.23	-42.25	11.76	43.87	164
B _{CE}	30.57	1.15	-46.84	46.86	271

%Regularity

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

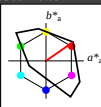
$g^*_{C,rel} = 59$

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = \text{lab}^*h = 35/360 = 0.097$
lab^{*}tch and lab^{*}nch

D65: hue 0
LCH^{*}Ma: 53 87 35
ol^vMa: 1.0 0.0 0.0

triangle lightness l^*



TLS18; adapted (a) CIELAB data	L [*] =L _a	a [*]	b [*]	C [*]	h [*]
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	115.32	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 _{CE}	39.92	58.74	27.99	65.07	25
J _{CE}	81.26	-2.88	71.56	71.62	92
G _{CE}	52.23	-42.41	13.6	44.55	162
B _{CE}	30.57	1.41	-46.46	46.49	272

%Regularity

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

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

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

relative Inform. Technology (IT)	ol ^v Ma	lab [*] tch	lab [*] nch
ol ^v Ma	1.0	0.0	0.0
lab [*] tch	0.0	1.0	0.0
lab [*] nch	0.0	0.0	1.0
standard and adapted CIE LAB	0.0	0.0	0.0
L [*] LAB	0.0	0.0	0.0
a [*] LAB	0.0	0.0	0.0
b [*] LAB	0.0	0.0	0.0
C [*] LAB	0.0	0.0	0.0
h [*] LAB	0.0	0.0	0.0

ol ^v Ma	0.5	0.5	0.0	0.0
lab [*] tch	1.0	1.0	0.0	0.0
lab [*] nch	0.0	0.0	0.0	0.5
standard and adapted CIE LAB				
L [*] LAB	56.71	-0.24	2.14	
a [*] LAB	56.71	0.0	0.0	
b [*] LAB	50.0	0.01	-	
relative CIELAB lab [*]				
lab [*] lab	0.5	0.0	0.0	
lab [*] tch	0.5	0.0	-	
lab [*] nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab [*] trj	0.5	0.0	0.0	
lab [*] trc	0.5	0.0	0.0	
lab [*] ncl	0.5	0.0	-	
relative Inform. Technology (IT)				
ol ^v Ma	0.25	0.25	0.25	1.0
lab [*] tch	0.75	0.75	0.75	0.0
lab [*] nch	1.0	1.0	1.0	0.0
ol ^v Ma	0.0	0.0	0.0	0.7
standard and adapted CIELAB				