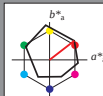


Input: Colorimetric Offset Reflective System ORS18

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

lab^*tch and lab^*nch



triangle lightness l^*

ORS18; adapted (a) CIELAB data

$L^* = L^*_a \quad a^*_a \quad b^*_a \quad C^*_{ab,a} \quad h^*_{ab,a}$

O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
M _{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
N _{Ma}	48.13	75.28	-8.36	75.74	354
W _{Ma}	18.01	0.0	0.0	0.0	0
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

%Gamut

$u^*_{rel} = 93$

%Regularity

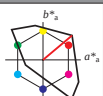
$g^*_{Hrel} = 57$

$g^*_{Crel} = 59$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = \text{lab}^*h = 40/360 = 0.111$

lab^*tch and lab^*nch



triangle lightness l^*

TLS00; adapted (a) CIELAB data

$L^* = L^*_a \quad a^*_a \quad b^*_a \quad C^*_{ab,a} \quad h^*_{ab,a}$

O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
M _{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
N _{Ma}	57.3	94.35	-58.41	110.97	328
W _{Ma}	0.01	0.0	0.0	0.0	0
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

%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{Hrel} = 20$

$g^*_{Crel} = 37$

relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)
ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)
ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)
ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)
ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)
ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)

standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB
L [*] 39.12 35.92 32.81	L [*] 39.12 35.92 32.81	L [*] 39.12 35.92 32.81	L [*] 39.12 35.92 32.81	L [*] 39.12 35.92 32.81	L [*] 39.12 35.92 32.81
a [*] 13.24 13.24 13.24	a [*] 13.24 13.24 13.24	a [*] 13.24 13.24 13.24	a [*] 13.24 13.24 13.24	a [*] 13.24 13.24 13.24	a [*] 13.24 13.24 13.24
b [*] 15.07 15.07 15.07	b [*] 15.07 15.07 15.07	b [*] 15.07 15.07 15.07	b [*] 15.07 15.07 15.07	b [*] 15.07 15.07 15.07	b [*] 15.07 15.07 15.07
C _{ab} 16.11 16.11 16.11	C _{ab} 16.11 16.11 16.11	C _{ab} 16.11 16.11 16.11	C _{ab} 16.11 16.11 16.11	C _{ab} 16.11 16.11 16.11	C _{ab} 16.11 16.11 16.11
h _{ab} 72.05 72.05 72.05	h _{ab} 72.05 72.05 72.05	h _{ab} 72.05 72.05 72.05	h _{ab} 72.05 72.05 72.05	h _{ab} 72.05 72.05 72.05	h _{ab} 72.05 72.05 72.05

relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)
ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)
ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)
ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)
ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)
ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)

relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)
ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)
ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)
ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)
ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)
ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)

relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)
ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)
ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)
ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)
ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)
ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)

relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)
ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)
ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)
ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)
ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)
ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)

relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)
ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)
ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)
ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)
ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)	ab ⁴ * 1.0 1.0 1.0 (1.0)
ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)	ab ⁵ * 1.0 1.0 1.0 (1.0)

ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)	ab ¹ * 0.75 0.5 0.25 (1.0)
ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)	ab ² * 1.0 1.0 1.0 (1.0)
ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)	ab ³ * 1.0 1.0 1.0 (1.0)