

Input: Colorimetric Television Luminous System TL500a

with x_{gb} data of the
four device hues

(1 0 0)_d = Red R_d

(1 1 0)_d = Yellow Y_d

(0 1 0)_d = Green G_d

(0 0 1)_d = Blue B_d



TL500a adapted (q) CIE1931 data									
L^*	a^*	b^*	C^*_{ab}	h^*_{ab}	L^*	a^*	b^*	C^*_{ab}	h^*_{ab}
R_{500}	50.5	76.92	64.55	109.42	49	-76.92	-64.55	109.42	49
Y_{500}	92.65	-20.69	90.75	93.08	103	20.69	-90.75	93.08	103
G_{500}	83.63	-82.75	79.9	115.84	136	82.75	79.9	115.84	136
C_{500}	86.88	-46.16	-13.55	48.12	196	46.16	13.55	48.12	196
B_{500}	30.39	76.06	-103.59	129.52	206	-76.06	103.59	129.52	206
H_{500}	57.3	94.75	-58.41	110.97	229	-94.75	58.41	110.97	229
W_{500}	0.01	0.0	0.0	0.0	0	0.0	0.0	0.0	0
W_{500}	95.41	0.0	0.0	0.0	0	0.0	0.0	0.0	0
R_{c500}	39.92	58.74	27.99	65.87	25	-58.74	-27.99	65.87	25
L_{c500}	81.26	-2.88	71.56	71.62	92	2.88	71.56	71.62	92
G_{c500}	52.23	-82.41	13.6	44.55	162	82.41	13.6	44.55	162
B_{c500}	30.57	1.41	-85.45	85.45	272	-1.41	85.45	85.45	272

Output: Colorimetric Television Luminous System TL500a

with hue number

$n = 01$ to 16

01 = Red R_d

05 = Yellow Y_d

09 = Green G_d

13 = Blue B_d

with hue position

(row and column)

of test chart ISO 5241-306:AEF0



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