

Input: Colorimetric Television Luminous System TL500a

with x_{ij}^0 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) CIECAM02 data					
L^*	a^*	b^*	C^*	h^*	β^*
R_{d0}	50.5	76.92	64.35	100.42	40
Y_{d0}	92.66	-20.69	90.75	93.08	103
G_{d0}	83.63	-82.75	79.9	115.04	136
C_{d0}	86.88	-86.16	-13.55	48.12	196
B_{d0}	30.29	76.06	-103.59	128.52	206
W_{d0}	57.3	94.35	-58.41	110.97	328
S_{d0}	0.01	0.0	0.0	0.0	0
W_{d0}	95.41	0.0	0.0	0.0	0
C_{Yd0}	79.92	58.74	27.99	65.07	25
L_{Yd0}	81.26	-2.88	71.56	71.62	92
C_{Yd0}	52.23	-42.41	13.6	44.35	162
h_{Yd0}	30.57	1.41	-45.46	46.49	373

Output: Colorimetric Television Luminous System TL500a

with hue number

$n = 01$ to 32

01 = Red R_d

09 = Yellow Y_d

17 = Green G_d

25 = Blue B_d

with hue position

(row and column)

of test chart ISO 9241-306:AE49



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