

Input: Colorimetric Television Luminous System TL500a

with x_{RGB} 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 (a) CIECAM data					
	L^*	a^*	b^*	$C^*_{\text{Mun}}_{\text{data}}$	$h^*_{\text{Mun}}_{\text{data}}$
R_{data}	50.5	76.92	64.55	100.42	40
Y_{data}	92.65	-20.69	90.75	93.08	103
G_{data}	83.63	-82.75	79.9	115.84	136
C_{data}	65.88	-66.16	-13.55	48.12	196
B_{data}	30.39	76.05	-103.59	128.52	206
M_{data}	57.3	94.35	-58.41	110.97	128
N_{data}	0.01	0.0	0.0	0.0	0
W_{data}	95.41	0.0	0.0	0.0	0
S_{cam}	39.92	58.74	27.99	65.87	25
t_{cam}	81.26	-2.88	71.56	71.62	92
C_{cam}	52.23	-82.41	13.6	44.55	162
h_{cam}	30.57	1.41	-65.65	65.49	273

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 5241-300:AEF7



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