

Input: Colorimetric Television Luminous System TL500a

with xy_t 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) CIECAM data									
L^*	a^*	b^*	$C^*_{90,40}$	h^*_{90}	L^*	a^*	b^*	$C^*_{90,40}$	h^*_{90}
R_{90}	50.5	76.92	64.55	100.42	49				
Y_{90}	92.65	-20.69	90.75	93.08	103				
G_{90}	83.63	-82.75	79.9	115.84	136				
C_{90}	86.88	-46.16	-13.55	48.13	196				
B_{90}	30.39	76.05	-103.59	128.52	206				
M_{90}	57.3	94.35	-58.41	110.97	129				
N_{90}	0.01	0.0	0.0	0.0	0				
W_{90}	95.41	0.0	0.0	0.0	0				
R_{c90}	29.92	58.74	27.99	65.87	25				
L_{c90}	81.26	-2.88	71.56	71.62	92				
G_{c90}	52.23	-42.41	13.6	44.55	162				
C_{c90}	30.57	1.41	-45.45	45.45	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 5241-300:AEF2



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