

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 (q) CIECAM data									
$L^*=L_{\text{ref}}$	a^*	b^*	C^*_{ref}	h^*_{ref}	L^*	a^*	b^*	C^*	h^*
R_{ref}	50.5	76.92	64.55	100.42	49				
Y_{ref}	92.65	-20.69	90.75	93.08	103				
G_{ref}	83.63	-82.75	79.9	115.84	136				
C_{ref}	86.88	-46.16	-13.55	48.12	196				
B_{ref}	30.39	76.05	-103.59	128.52	206				
H_{ref}	57.3	94.35	-58.41	110.97	228				
R_{dev}	0.01	0.0	0.0	0.0	0				
Y_{dev}	95.41	0.0	0.0	0.0	0				
G_{dev}	29.92	58.74	27.99	65.87	25				
L_{dev}	81.26	-2.88	71.56	71.62	92				
C_{dev}	52.23	-42.41	13.6	44.55	162				
h_{dev}	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:AEF9



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