

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) CIExY data									
L^*	a^*	b^*	C^*_{ab}	h^*_{ab}	L^*	a^*	b^*	C^*_{ab}	h^*_{ab}
R_{M0}	50.5	76.92	64.35	100.42	49				
Y_{M0}	92.65	-20.69	90.75	93.08	103				
G_{M0}	83.63	-82.75	79.9	115.84	136				
C_{M0}	86.88	-46.16	-13.55	48.12	196				
B_{M0}	30.39	76.05	-103.59	128.52	206				
R_{M1}	57.3	94.75	-58.41	110.97	128				
Y_{M1}	0.01	0.0	0.0	0.0	0				
G_{M1}	95.41	0.0	0.0	0.0	0				
B_{M1}	39.92	58.74	27.99	65.87	25				
L_{C0}	81.26	-2.88	71.56	71.62	92				
a_{C0}	52.23	-82.41	13.6	44.55	162				
b_{C0}	30.57	1.41	-85.45	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:AE49



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