

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						
$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{a,b}$	h^*_a		
R_{M0}	50.5	76.92	64.55	100.42	49	
Y_{M0}	92.66	-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	48.13	196	
B_{M0}	30.39	76.06	-103.59	128.52	206	
M_{M0}	57.3	94.35	-58.41	110.97	128	
N_{M0}	0.01	0.0	0.0	0.0	0	
W_{M0}	95.41	0.0	0.0	0.0	0	
R_{cM0}	29.92	58.74	27.99	65.87	25	
Y_{cM0}	81.26	-2.88	71.56	71.62	92	
G_{cM0}	52.23	-42.41	13.6	44.55	162	
C_{cM0}	30.57	1.41	-45.45	45.45	274	

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 9241-300:AEF7



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