

Input: Colorimetric Television Luminous System TL500a

with xy_{45} 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) CIE1931 data									
L^*	a^*	b^*	$C^*_{90,45}$	$h^*_{90,45}$	L^*	a^*	b^*	$C^*_{90,45}$	$h^*_{90,45}$
R_{M0}	50.5	76.92	64.55	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	-66.16	-13.55	48.13	196				
B_{M0}	30.39	76.06	-103.59	128.52	206				
R_{M2}	57.3	94.35	-58.41	110.97	328				
Y_{M2}	0.01	0.0	0.0	0.0	0				
G_{M2}	95.41	0.0	0.0	0.0	0				
B_{M2}	29.92	58.74	27.99	65.87	25				
L_{M2}	81.26	-2.88	71.56	71.62	92				
C_{M2}	52.23	-82.41	13.6	44.55	162				
h_{M2}	30.57	1.41	-85.46	85.49	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 3241-200:AEF2



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