

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 (a) CIECAM data					
L^*	a^*	b^*	C^*	h^*	h_{uv}
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
B_{M0}	86.88	-46.16	-13.55	48.12	196
R_{M2}	30.39	76.06	-103.59	128.52	306
Y_{M2}	57.3	94.35	-58.41	110.97	328
G_{M2}	0.01	0.0	0.0	0.0	0
B_{M2}	95.41	0.0	0.0	0.0	0
R_{C00}	39.92	58.74	27.99	65.87	25
Y_{C00}	81.26	-2.88	71.56	71.62	92
G_{C00}	52.23	-42.41	13.6	44.55	162
B_{C00}	30.57	1.41	-45.45	45.45	227

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 5241-300:AEF7



TL500a adapted (a) CIECAM data					
L^*	a^*	b^*	C^*	h^*	h_{uv}
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
B_{M0}	86.88	-46.16	-13.55	48.12	196
R_{M2}	30.39	76.06	-103.59	128.52	306
Y_{M2}	57.3	94.35	-58.41	110.97	328
G_{M2}	0.01	0.0	0.0	0.0	0
B_{M2}	95.41	0.0	0.0	0.0	0
R_{C00}	39.92	58.74	27.99	65.87	25
Y_{C00}	81.26	-2.88	71.56	71.62	92
G_{C00}	52.23	-42.41	13.6	44.55	162
B_{C00}	30.57	1.41	-45.45	45.45	227

