

Input: Colorimetric Television Luminous System TL500a

with xg_{H_d} data of the
four elementary 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) CIE1931 data					
L^*	a^*	b^*	$C^*_{90,40}$	h^*_{90}	
R_{M0}	50.5	76.92	64.55	100.42	00
Y_{M0}	92.66	-20.69	90.75	93.08	033
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	228
N_{M0}	0.01	0.0	0.0	0.0	0
W_{M0}	95.41	0.0	0.0	0.0	0
R_{C00}	29.92	58.74	27.99	65.87	25
Y_{C00}	81.26	-2.88	71.52	71.62	92
G_{C00}	52.23	-82.41	13.6	44.55	162
C_{C00}	30.57	1.41	-65.45	65.49	227

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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