

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) CIE1931 data						
L^*	a^*	b^*	$C^*_{90,40}$	h^*_{90}	δ^*_{90}	
R_{90}	50.5	76.92	64.55	100.42	0	0
Y_{90}	92.65	-20.69	90.75	93.08	103	103
G_{90}	83.63	-82.75	79.9	115.84	136	136
C_{90}	86.88	-46.16	-13.55	48.13	196	196
B_{90}	30.39	76.05	-103.59	128.52	206	206
W_{90}	57.3	94.35	-58.41	110.97	128	128
R_{01}	0.01	0.0	0.0	0.0	0	0
W_{01}	95.41	0.0	0.0	0.0	0	0
R_{02}	39.92	58.74	27.99	65.87	25	25
L_{02}	81.26	-2.88	71.56	71.62	92	92
G_{02}	52.23	-82.41	13.6	44.55	162	162
C_{02}	30.57	1.41	-85.45	45.45	272	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:AEF0



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