

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^*	$C^*_{\text{Mun}}(h)$	h^*_{cb}		
R_{Mun}	50.5	76.92	64.55	100.42	0°	
Y_{Mun}	92.65	-20.69	90.75	93.08	103°	
G_{Mun}	83.63	-82.75	79.9	115.84	136°	
C_{Mun}	86.88	-46.16	-13.55	48.12	196°	
B_{Mun}	30.39	76.05	-103.59	128.52	206°	
R_{Mun}	57.3	94.75	-58.41	110.97	328°	
R_{Mun}	0.01	0.0	0.0	0.0	0°	
R_{Mun}	95.41	0.0	0.0	0.0	0°	
R_{Mun}	76.92	58.74	27.99	65.87	25°	
L_{Mun}	81.26	-2.88	71.56	71.62	92°	
L_{Mun}	52.23	-42.41	13.6	44.55	162°	
L_{Mun}	30.57	1.41	-85.45	45.45	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:AEF9



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