

Input: Colorimetric Television Luminous System TL500a

with x_{RGB} data of the four elementary hues
 $(1\ 0\ 0)_{\text{d}}$ = Red R_d
 $(1\ 1\ 0)_{\text{d}}$ = Yellow Y_d
 $(0\ 1\ 0)_{\text{d}}$ = Green G_d
 $(0\ 0\ 1)_{\text{d}}$ = Blue B_d



TL500a adapted (q) CIE1931 data									
L^*	a^*	b^*	$C^*_{\text{Mun}}(h)$	h^*_{Mun}	L^*	a^*	b^*	$C^*_{\text{Mun}}(h)$	h^*_{Mun}
R_{Mun}	50.5	76.92	64.35	100.42	49				
Y_{Mun}	92.66	-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	76.06	-103.59	128.52	206				
R_{Mun}	57.3	94.75	-58.41	110.97	228				
R_{Mun}	0.01	0.0	0.0	0.0	0				
R_{Mun}	95.41	0.0	0.0	0.0	0				
R_{Mun}	29.92	58.74	27.99	65.87	25				
L_{Mun}	81.26	-2.88	71.56	71.62	92				
C_{Mun}	52.23	-82.41	13.6	44.55	162				
R_{Mun}	30.57	1.41	-85.46	45.49	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 5241-300:AEF31



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