

Input: Colorimetric Television Luminous System TL500a

with x_{rgb} data of the four elementary hues

(1 0 0)_e = Red R_e

(1 1 0)_e = Yellow Y_e

(0 1 0)_e = Green G_e

(0 0 1)_e = Blue B_e



TL500a; adapted (a) CIECAM data									
L^*	a^*	b^*	C^*	h^*	L^*	a^*	b^*	C^*	h^*
R_{Muns}	50.5	76.92	64.55	100.42	49				
Y_{Muns}	92.65	-20.69	90.75	93.08	103				
G_{Muns}	83.63	-82.75	79.9	115.84	136				
B_{Muns}	86.88	-46.16	-13.55	48.12	196				
R_{Muns}	30.39	76.05	-103.59	128.52	306				
Y_{Muns}	57.3	94.75	-58.41	110.97	328				
G_{Muns}	0.01	0.0	0.0	0.0	0				
B_{Muns}	95.41	0.0	0.0	0.0	0				
R_{CIECAM}	39.92	58.74	27.99	65.87	25				
Y_{CIECAM}	81.26	-2.88	71.56	71.62	92				
G_{CIECAM}	52.23	-82.41	13.6	44.55	162				
B_{CIECAM}	30.57	1.41	-85.45	45.49	273				

Output: Colorimetric Television Luminous System TL500a

with hue number

$n = 01$ to 32

01 = Red R_e

09 = Yellow Y_e

17 = Green G_e

25 = Blue B_e

with hue position

(row and column)

of test chart ISO 3241-200:AEF9



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