

Input: Colorimetric Television Luminous System TL500a

with x_{rgb} data of the
four elementary hues
(1 0 0)₀ = Red R_0
(1 1 0)₀ = Yellow Y_0
(0 1 0)₀ = Green G_0
(0 0 1)₀ = Blue B_0



TL500a adapted (a) CIE D50 data									
L^*	a^*	b^*	C^*	h^*	L^*	a^*	b^*	C^*	h^*
R_{Muns}	50.5	76.92	64.55	100.42	49				
Y_{Muns}	92.66	-20.69	90.75	93.08	103				
G_{Muns}	83.63	-42.75	79.9	115.84	136				
B_{Muns}	66.88	-46.16	-13.55	48.12	196				
R_{Muns}	30.39	76.06	-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_{CIE}	39.92	58.74	27.99	65.87	25				
Y_{CIE}	81.26	-2.88	71.56	71.62	92				
G_{CIE}	52.23	-42.41	13.6	44.55	162				
B_{CIE}	30.57	1.41	-45.45	45.45	273				

Output: Colorimetric Television Luminous System TL500a

with hue number

$n = 01$ to 32

01 = Red R_0

09 = Yellow Y_0

17 = Green G_0

25 = Blue B_0

with hue position

(row and column)

of test chart ISO 5241-306:AEF9



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