

Input: Colorimetric Television Luminous System TL500a

with rgb_d data of the
four elementary 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



The rgb_d data are calculated for output in
standard offset according to ISO/IEC 15775

TL500a adapted (p) CMF data						
L^*	a^*	b^*	C^*_{Muns}	h^*_{Muns}	L^*	a^*
R_{Muns}	50.5	76.92	64.35	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	
C_{Muns}	86.88	-46.16	-13.55	48.13	196	
B_{Muns}	30.39	76.05	-103.59	128.52	266	
M_{Muns}	57.3	94.75	-58.41	110.97	328	
N_{Muns}	0.01	0.0	0.0	0.0	0	
W_{Muns}	95.41	0.0	0.0	0.0	0	
R_{CIE94}	39.92	58.74	27.99	65.87	25	
L_{CIE94}	81.26	-2.88	71.56	71.62	92	
C_{CIE94}	52.23	-82.41	13.6	44.55	162	
h_{CIE94}	30.57	1.41	-65.45	65.45	273	

Output: Colorimetric Television Luminous System TL500a

with hue number

$n = 01$ to 16

01 = Red R_p

05 = Yellow Y_p

09 = Green G_p

13 = Blue B_p

with hue position

(row and column)

of test chart ISO 5241-306:AEF49



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