

Input: Colorimetric Television Luminous System TL500a

with rgb_0 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



The rgb_0 data are calculated for output in standard offset according to ISO/IEC 15775

TL500a adapted (a) CHROMA data									
L^*	a^*	b^*	C^*	h^*	L^*	a^*	b^*	C^*	h^*
R_{00}	50.5	76.92	64.55	100.42	49				
Y_{00}	92.65	-20.69	90.75	93.08	103				
G_{00}	83.63	-82.75	79.9	115.84	136				
C_{00}	86.88	-66.16	-13.55	48.12	196				
B_{00}	30.39	76.05	-103.59	128.52	206				
R_{01}	57.3	94.35	-58.41	110.97	128				
R_{02}	0.01	0.0	0.0	0.0	0				
R_{03}	95.41	0.0	0.0	0.0	0				
R_{04}	39.92	58.74	27.99	65.87	25				
L_{05}	81.26	-2.88	71.56	71.62	92				
C_{06}	52.23	-82.41	13.6	44.55	162				
B_{07}	30.57	1.41	-65.45	45.45	272				

Output: Colorimetric Television Luminous System TL500a

with hue number

$n = 01$ to 16

01 = Red R_0

05 = Yellow Y_0

09 = Green G_0

13 = Blue B_0

with hue position

(row and column)

of test chart ISO 5241-306:AE49



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