

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^*	$C^*_{Munsell}$	b^*_{blue}	b^*_{red}
R_{000}	50.5	76.92	64.35	100.42	49
Y_{000}	92.65	-20.69	90.75	93.08	103
G_{000}	83.63	-82.75	79.9	115.84	136
C_{000}	86.88	-46.16	-13.55	48.12	196
B_{000}	30.39	76.06	-103.59	128.52	306
B_{000}	57.3	94.35	-58.41	110.97	328
R_{000}	0.01	0.0	0.0	0.0	0
W_{000}	95.41	0.0	0.0	0.0	0
C_{000}	39.92	58.74	27.99	65.87	25
L_{000}	81.26	-2.88	71.56	71.62	92
C_{000}	52.23	-42.41	13.6	44.55	162
b_{000}	30.57	1.41	-45.45	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 5241-300:AEF49



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