

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



	L^*	a^*	b^*	C^*_{ab}	h^*_{ab}
R_{000}	50.5	76.92	64.55	100.42	00
Y_{000}	92.66	-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	206
B_{000}	57.3	94.75	-58.41	110.97	228
R_{000}	0.01	0.0	0.0	0.0	0
R_{000}	95.41	0.0	0.0	0.0	0
R_{000}	29.92	58.74	27.99	65.87	25
L_{000}	81.26	-2.88	71.52	71.62	92
G_{000}	52.23	-82.41	13.6	44.55	162
C_{000}	30.57	1.41	-85.45	85.49	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 3241-300:AEF9



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