

Input: Colorimetric Television Luminous System TL500a

with xyh_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



TL500a; adapted (a) CIE1931 data					
L^*	a^*	b^*	$C^*_{90\%}$	h^*_a	h^*_b
$R_{90\%}$	50.5	76.92	64.55	100.42	49
$Y_{90\%}$	92.66	-20.69	90.75	93.08	103
$G_{90\%}$	83.63	-82.75	79.9	115.84	136
$C_{90\%}$	86.88	-46.16	-13.55	48.13	196
$B_{90\%}$	30.39	76.06	-103.59	128.52	306
$M_{90\%}$	57.3	94.35	-58.41	110.97	328
$N_{90\%}$	0.01	0.0	0.0	0.0	0
$W_{90\%}$	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
G_{CIE94}	52.23	-82.41	13.6	44.55	162
C_{CIE94}	30.57	1.41	-85.46	45.49	272

Output: Colorimetric Television Luminous System TL500a

with hue number

$n = 01$ to 16

01 = Red R_d

05 = Yellow Y_d

09 = Green G_d

13 = Blue B_d

with hue position

(row and column)

of test chart ISO 3241-200:AEF9



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