

Input: Colorimetric Television Luminous System TL500a

with x_{rgb} , data of the
four elementary hues

(1 0 0)_h = Red R_y

(1 1 0)_h = Yellow Y_p

(0 1 0)_h = Green G_y

(0 0 1)_h = Blue B_y



	$L^* = L^*_{\text{ref}}$	a^*_{ref}	b^*_{ref}	C^*_{ref}	h^*_{ref}
R_{ref}	50.5	76.92	64.55	100.42	0°
Y_{ref}	92.66	-20.69	90.75	93.08	103°
G_{ref}	83.63	-82.75	79.9	115.84	136°
B_{ref}	86.88	-46.16	-13.55	48.13	196°
R_{ref}	50.5	76.92	64.55	100.42	0°
Y_{ref}	92.66	-20.69	90.75	93.08	103°
G_{ref}	83.63	-82.75	79.9	115.84	136°
B_{ref}	86.88	-46.16	-13.55	48.13	196°
L^*_{ref}	81.26	-2.88	71.52	71.62	92°
C^*_{ref}	52.23	-42.41	13.6	44.55	162°
h^*_{ref}	30.57	1.41	-65.45	65.45	273°

Output: Colorimetric Television Luminous System TL500a

with hue number

$n = 01$ to 32

01 = Red R_y

09 = Yellow Y_p

17 = Green G_y

25 = Blue B_y

with hue position

(row and column)

of test chart ISO 5241-300:AEF8



	$L^* = L^*_{\text{ref}}$	a^*_{ref}	b^*_{ref}	C^*_{ref}	h^*_{ref}
R_{ref}	50.5	76.92	64.55	100.42	0°
Y_{ref}	92.66	-20.69	90.75	93.08	103°
G_{ref}	83.63	-82.75	79.9	115.84	136°
B_{ref}	86.88	-46.16	-13.55	48.13	196°
R_{ref}	50.5	76.92	64.55	100.42	0°
Y_{ref}	92.66	-20.69	90.75	93.08	103°
G_{ref}	83.63	-82.75	79.9	115.84	136°
B_{ref}	86.88	-46.16	-13.55	48.13	196°
L^*_{ref}	81.26	-2.88	71.52	71.62	92°
C^*_{ref}	52.23	-42.41	13.6	44.55	162°
h^*_{ref}	30.57	1.41	-65.45	65.45	273°

