

Input: Colorimetric Television Luminous System TL5000a

with  $x_{\text{rgb}}$  data of the

four device hues

(1 0 0)<sub>d</sub> = Red  $R_d$

(1 1 0)<sub>d</sub> = Yellow  $Y_d$

(0 1 0)<sub>d</sub> = Green  $G_d$

(0 0 1)<sub>d</sub> = Blue  $B_d$



$L^*a^*b^*$	$L^*$	$a^*$	$b^*$	$C^*_{ab}$	$h^*_{ab}$
$R_{d01}$	50.5	36.92	64.35	100.42	49
$Y_{d01}$	92.66	-20.69	90.75	93.08	103
$G_{d01}$	83.63	-82.75	79.9	115.64	136
$C_{d01}$	86.88	-46.16	-13.35	48.12	196
$B_{d01}$	30.39	76.06	-103.59	128.52	266
$R_{d02}$	57.3	94.35	-58.41	110.97	328
$Y_{d02}$	0.01	0.0	0.0	0.0	0
$G_{d02}$	95.41	0.0	0.0	0.0	0
$C_{d02}$	29.92	58.74	27.99	65.07	25
$B_{d02}$	81.26	-2.88	71.56	71.62	92
$R_{d03}$	52.23	-82.41	13.6	44.35	162
$Y_{d03}$	30.57	1.41	-86.46	46.49	274

Output: Colorimetric Television Luminous System TL5000a

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 9241-300:AE49



$L^*a^*b^*$	$L^*$	$a^*$	$b^*$	$C^*_{ab}$	$h^*_{ab}$
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