

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) CIECAM data					
$L^*=L^*_0$	a^*_0	b^*_0	C^*_{M00}	h^*_0	
R_{M00} 50.5	76.92	64.55	100.02	0°	
Y_{M00} 92.66	-20.69	90.75	93.08	103°	
G_{M00} 83.63	-82.75	79.9	115.84	136°	
C_{M00} 86.88	-46.16	-13.55	48.12	196°	
B_{M00} 30.29	76.06	-103.59	128.52	206°	
M_{M00} 57.3	94.75	-28.41	110.97	228°	
N_{M00} 0.01	0.0	0.0	0.0	0°	
W_{M00} 95.41	0.0	0.0	0.0	0°	
R_{CAM} 29.92	58.74	27.99	65.87	25°	
G_{CAM} 81.26	-2.88	71.52	71.62	90°	
C_{CAM} 52.23	-42.41	13.6	44.55	162°	
B_{CAM} 30.57	1.41	-45.45	45.45	225°	

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:AE49



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