

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 (p) CMYK data									
L^*	a^*	b^*	C^*_{Mun}	h^*_{Mun}	L^*	a^*	b^*	C^*_{Mun}	h^*_{Mun}
R_{Mun}	50.5	76.92	64.35	100.42	49				
Y_{Mun}	92.65	-20.69	90.75	93.08	103				
G_{Mun}	83.63	-82.75	79.9	115.84	136				
C_{Mun}	86.88	-46.16	-13.55	48.13	196				
B_{Mun}	30.39	76.05	-103.59	128.52	206				
M_{Mun}	57.3	94.35	-58.41	110.97	129				
N_{Mun}	0.01	0.0	0.0	0.0	0				
W_{Mun}	95.41	0.0	0.0	0.0	0				
R_{CIE94}	39.92	58.74	27.99	65.87	25				
G_{CIE94}	81.26	-2.89	71.56	71.62	92				
C_{CIE94}	52.23	-42.41	13.6	44.55	162				
B_{CIE94}	30.57	1.41	-65.45	65.45	273				

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 5241-306:AEF49



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