

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) CMYK data						
$L^* = L^*_0$	a^*_0	b^*_0	C^*_{M0}	M^*_0	C^*_{Y0}	M^*_0
R_{00}	50.5	76.92	64.35	100.02	00	00
Y_{00}	92.65	-20.69	90.75	93.08	100	100
G_{00}	83.63	-82.75	79.9	115.84	136	136
C_{00}	86.88	-66.16	-13.55	48.13	196	196
B_{00}	30.39	76.05	-103.59	128.52	306	306
M_{00}	57.3	94.35	-58.41	110.97	128	128
R_{00}	0.01	0.0	0.0	0.0	0	0
Y_{00}	95.41	0.0	0.0	0.0	0	0
G_{00}	39.92	58.74	27.99	65.87	25	25
C_{00}	81.26	-2.88	71.56	71.62	92	92
M_{00}	52.23	-82.41	13.6	44.55	162	162
B_{00}	30.57	1.41	-65.65	65.49	272	272

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:AEF5



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