

Input: Colorimetric Television Luminous System TL500a

with rgb data of the  
four elementary bases

1 0 0 = Red  $R_p$

1 1 0 = Yellow  $Y_p$

0 1 0 = Green  $G_p$

0 0 1 = Blue  $B_p$



|           | $L^*$ | $a^*$  | $b^*$   | $C^*_{Muns}$ | $h^*_{Muns}$ |
|-----------|-------|--------|---------|--------------|--------------|
| $D_{500}$ | 50.5  | 76.92  | 64.55   | 100.42       | 49           |
| $V_{500}$ | 92.66 | -20.69 | 90.75   | 93.08        | 103          |
| $L_{500}$ | 83.63 | -82.75 | 79.9    | 115.84       | 136          |
| $C_{500}$ | 86.88 | -66.16 | -13.55  | 48.13        | 196          |
| $V_{500}$ | 30.39 | 76.06  | -103.59 | 128.52       | 306          |
| $M_{500}$ | 57.3  | 94.35  | -58.41  | 110.97       | 328          |
| $N_{500}$ | 0.01  | 0.0    | 0.0     | 0.0          | 0            |
| $W_{500}$ | 95.41 | 0.0    | 0.0     | 0.0          | 0            |
| $R_{500}$ | 39.92 | 58.74  | 27.99   | 65.87        | 25           |
| $I_{500}$ | 81.26 | -2.88  | 71.56   | 71.62        | 93           |
| $G_{500}$ | 52.23 | -82.41 | 13.6    | 44.55        | 162          |
| $O_{500}$ | 30.57 | 1.41   | -65.46  | 46.49        | 272          |

Output: Colorimetric Television Luminous System TL500a

with base number

$n = 00$  to 19

00 = Red  $R_p$

05 = Yellow  $Y_p$

10 = Green  $G_p$

15 = Blue  $B_p$



|           | $L^*$ | $a^*$  | $b^*$   | $C^*_{Muns}$ | $h^*_{Muns}$ |
|-----------|-------|--------|---------|--------------|--------------|
| $D_{500}$ | 50.5  | 76.92  | 64.55   | 100.42       | 49           |
| $V_{500}$ | 92.66 | -20.69 | 90.75   | 93.08        | 103          |
| $L_{500}$ | 83.63 | -82.75 | 79.9    | 115.84       | 136          |
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| $N_{500}$ | 0.01  | 0.0    | 0.0     | 0.0          | 0            |
| $W_{500}$ | 95.41 | 0.0    | 0.0     | 0.0          | 0            |
| $R_{500}$ | 39.92 | 58.74  | 27.99   | 65.87        | 25           |
| $I_{500}$ | 81.26 | -2.88  | 71.56   | 71.62        | 93           |
| $G_{500}$ | 52.23 | -82.41 | 13.6    | 44.55        | 162          |
| $O_{500}$ | 30.57 | 1.41   | -65.46  | 46.49        | 272          |

