

Input: Colorimetric Television Luminous System TL500a

with  $x_{\text{rgb}}$  data of the  
four elementary hues  
(1 0 0)<sub>0</sub> = Red  $R_0$   
(1 1 0)<sub>0</sub> = Yellow  $Y_0$   
(0 1 0)<sub>0</sub> = Green  $G_0$   
(0 0 1)<sub>0</sub> = Blue  $B_0$



| TL500a adapted (a) CIE1931 data |       |        |            |            |       |       |       |            |            |
|---------------------------------|-------|--------|------------|------------|-------|-------|-------|------------|------------|
| $L^*$                           | $a^*$ | $b^*$  | $C^*_{ab}$ | $h^*_{ab}$ | $L^*$ | $a^*$ | $b^*$ | $C^*_{ab}$ | $h^*_{ab}$ |
| $R_{000}$                       | 50.5  | 76.92  | 64.55      | 100.42     | 40    |       |       |            |            |
| $Y_{000}$                       | 92.66 | -20.69 | 90.75      | 93.08      | 100   |       |       |            |            |
| $G_{000}$                       | 83.63 | -82.75 | 79.9       | 115.84     | 136   |       |       |            |            |
| $B_{000}$                       | 86.88 | -46.16 | -13.55     | 48.12      | 196   |       |       |            |            |
| $R_{000}$                       | 30.39 | 76.06  | -103.59    | 120.52     | 206   |       |       |            |            |
| $Y_{000}$                       | 57.3  | 94.75  | -58.41     | 110.97     | 220   |       |       |            |            |
| $G_{000}$                       | 0.01  | 0.0    | 0.0        | 0.0        | 0     |       |       |            |            |
| $B_{000}$                       | 95.41 | 0.0    | 0.0        | 0.0        | 0     |       |       |            |            |
| $R_{000}$                       | 29.92 | 58.74  | 27.99      | 65.87      | 25    |       |       |            |            |
| $Y_{000}$                       | 81.26 | -2.88  | 71.52      | 71.62      | 90    |       |       |            |            |
| $G_{000}$                       | 52.23 | -82.41 | 13.6       | 44.55      | 162   |       |       |            |            |
| $B_{000}$                       | 30.57 | 1.41   | -45.45     | 45.45      | 272   |       |       |            |            |

Output: Colorimetric Television Luminous System TL500a

with hue number

$n = 01$  to  $32$

01 = Red  $R_0$

09 = Yellow  $Y_0$

17 = Green  $G_0$

25 = Blue  $B_0$

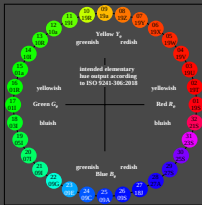
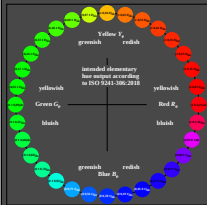
with hue position

(row and column)

of test chart ISO 5241-300:AEF9



| TL500a adapted (a) CIE1931 data |       |        |            |            |       |       |       |            |            |
|---------------------------------|-------|--------|------------|------------|-------|-------|-------|------------|------------|
| $L^*$                           | $a^*$ | $b^*$  | $C^*_{ab}$ | $h^*_{ab}$ | $L^*$ | $a^*$ | $b^*$ | $C^*_{ab}$ | $h^*_{ab}$ |
| $R_{000}$                       | 50.5  | 76.92  | 64.55      | 100.42     | 40    |       |       |            |            |
| $Y_{000}$                       | 92.66 | -20.69 | 90.75      | 93.08      | 100   |       |       |            |            |
| $G_{000}$                       | 83.63 | -82.75 | 79.9       | 115.84     | 136   |       |       |            |            |
| $B_{000}$                       | 86.88 | -46.16 | -13.55     | 48.12      | 196   |       |       |            |            |
| $R_{000}$                       | 30.39 | 76.06  | -103.59    | 120.52     | 206   |       |       |            |            |
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| $G_{000}$                       | 0.01  | 0.0    | 0.0        | 0.0        | 0     |       |       |            |            |
| $B_{000}$                       | 95.41 | 0.0    | 0.0        | 0.0        | 0     |       |       |            |            |
| $R_{000}$                       | 29.92 | 58.74  | 27.99      | 65.87      | 25    |       |       |            |            |
| $Y_{000}$                       | 81.26 | -2.88  | 71.52      | 71.62      | 90    |       |       |            |            |
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| $B_{000}$                       | 30.57 | 1.41   | -45.45     | 45.45      | 272   |       |       |            |            |



AEF91-15N, Input file: <http://farbe.li.to-berlin.de/AEF9/AEF90-1N.PS>, 1MR, gamma  $g_p=1.818$ ,  $C_{YP14}=C_{YN2}$