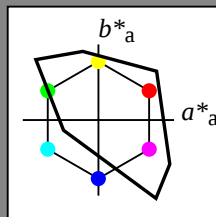


Input: Colorimetric Television Luminous System TLS00a

with *rgb* data of the  
four elementary hues

1 0 0 = Red  $R_e$   
1 1 0 = Yellow  $Y_e$   
0 1 0 = Green  $G_e$   
0 0 1 = Blue  $B_e$



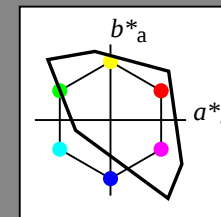
| TLS00a; adapted (a) CIELAB data |         |         |              |              |  |
|---------------------------------|---------|---------|--------------|--------------|--|
| $L^*=L^*_a$                     | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| $O_{Ma}$ 50.5                   | 76.92   | 64.55   | 100.42       | 40           |  |
| $Y_{Ma}$ 92.66                  | -20.69  | 90.75   | 93.08        | 103          |  |
| $L_{Ma}$ 83.63                  | -82.75  | 79.9    | 115.04       | 136          |  |
| $C_{Ma}$ 86.88                  | -46.16  | -13.55  | 48.12        | 196          |  |
| $V_{Ma}$ 30.39                  | 76.06   | -103.59 | 128.52       | 306          |  |
| $M_{Ma}$ 57.3                   | 94.35   | -58.41  | 110.97       | 328          |  |
| $N_{Ma}$ 0.01                   | 0.0     | 0.0     | 0.0          | 0            |  |
| $W_{Ma}$ 95.41                  | 0.0     | 0.0     | 0.0          | 0            |  |
| $R_{CIE}$ 39.92                 | 58.74   | 27.99   | 65.07        | 25           |  |
| $J_{CIE}$ 81.26                 | -2.88   | 71.56   | 71.62        | 92           |  |
| $G_{CIE}$ 52.23                 | -42.41  | 13.6    | 44.55        | 162          |  |
| $B_{CIE}$ 30.57                 | 1.41    | -46.46  | 46.49        | 272          |  |

Output: Colorimetric Television Luminous System TLS00a

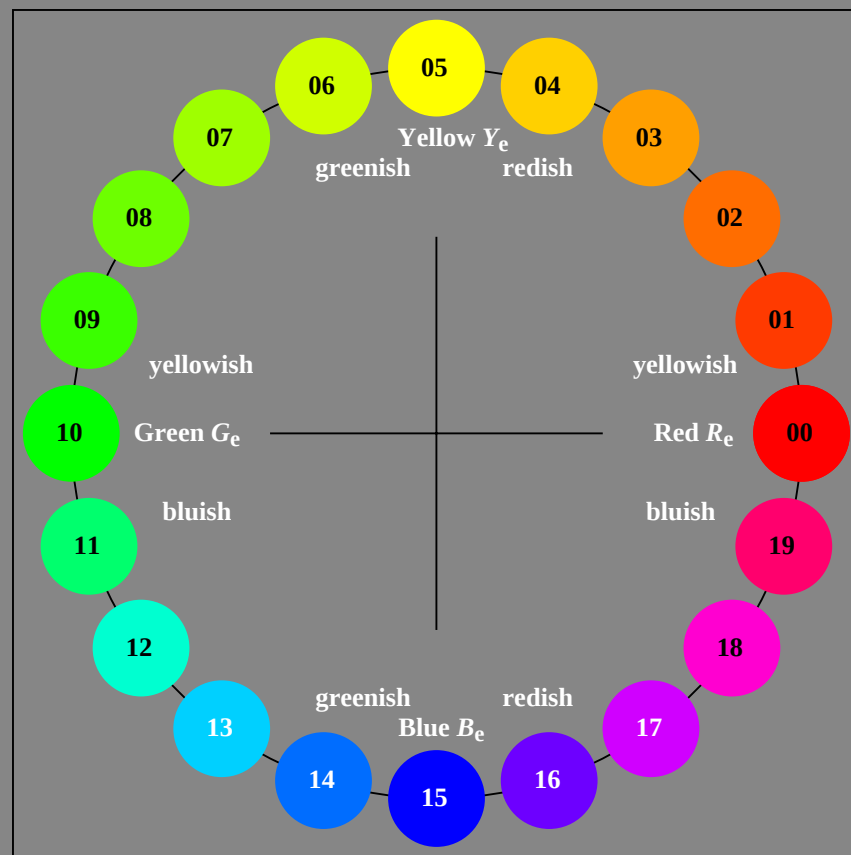
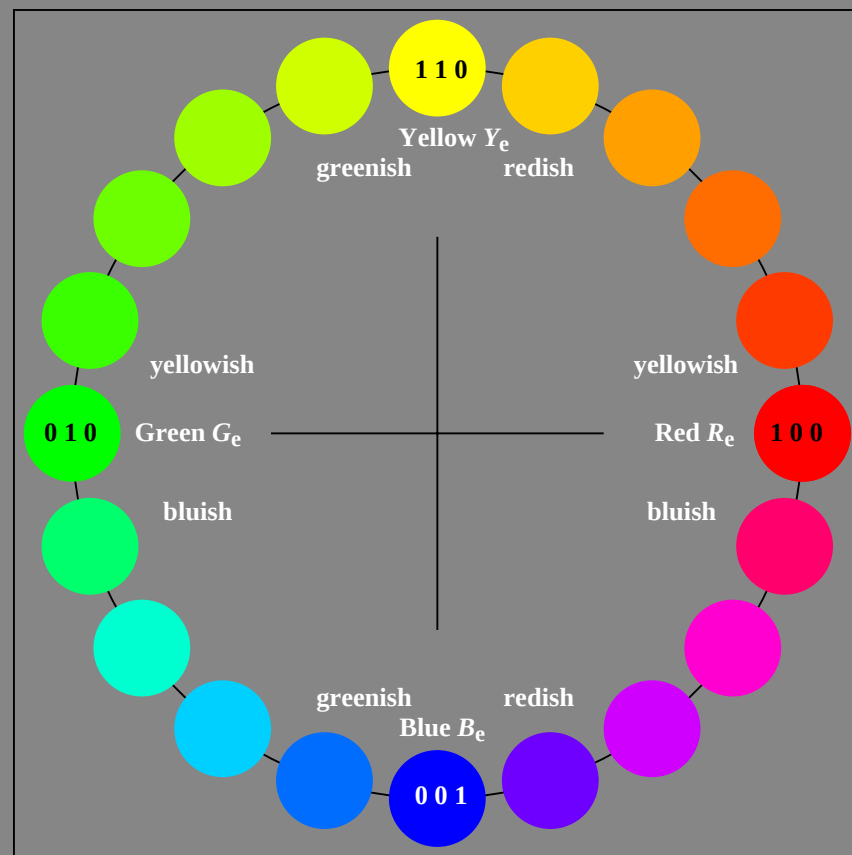
with hue number

$n = 00$  to 19

00 = Red  $R_e$   
05 = Yellow  $Y_e$   
10 = Green  $G_e$   
15 = Blue  $B_e$



| TLS00a; adapted (a) CIELAB data |         |         |              |              |  |
|---------------------------------|---------|---------|--------------|--------------|--|
| $L^*=L^*_a$                     | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| $O_{Ma}$ 50.5                   | 76.92   | 64.55   | 100.42       | 40           |  |
| $Y_{Ma}$ 92.66                  | -20.69  | 90.75   | 93.08        | 103          |  |
| $L_{Ma}$ 83.63                  | -82.75  | 79.9    | 115.04       | 136          |  |
| $C_{Ma}$ 86.88                  | -46.16  | -13.55  | 48.12        | 196          |  |
| $V_{Ma}$ 30.39                  | 76.06   | -103.59 | 128.52       | 306          |  |
| $M_{Ma}$ 57.3                   | 94.35   | -58.41  | 110.97       | 328          |  |
| $N_{Ma}$ 0.01                   | 0.0     | 0.0     | 0.0          | 0            |  |
| $W_{Ma}$ 95.41                  | 0.0     | 0.0     | 0.0          | 0            |  |
| $R_{CIE}$ 39.92                 | 58.74   | 27.99   | 65.07        | 25           |  |
| $J_{CIE}$ 81.26                 | -2.88   | 71.56   | 71.62        | 92           |  |
| $G_{CIE}$ 52.23                 | -42.41  | 13.6    | 44.55        | 162          |  |
| $B_{CIE}$ 30.57                 | 1.41    | -46.46  | 46.49        | 272          |  |



AE390-7N-101-0: 20 step hue circle with 4 elementary colours  $R_e$ ,  $J_e$ ,  $G_e$ ,  $B_e$  (left)

20 step hue circle with 4 elementary colours  $R_e$ ,  $J_e$ ,  $G_e$ ,  $B_e$  (right)

Test chart AE39 similar to test chart 1 of DIN 33872-5

20 step elementary hue circle; Test chart according to DIN 33872-5

input: *rgb/cmy0/000n/w* set...

output: *->rgb<sub>dd</sub> setrgbcolor*