

Input and Output: Television Luminous System TLS00a

Data for any device (d) or  
elementary (e) colour:

$HIC^*_d$

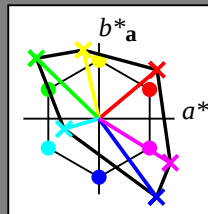
hue text for the colours

of this page:

$H^*_d R00Y_d, R25Y_d, \dots, B75R_d$

ORS20a; adapted (a) CIELAB data

| $H^*_d$        | $L^*=L^*_a a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|----------------|-------------------|---------|--------------|--------------|
| R00Y_100_100_d | 48.4              | 66.1    | 40.2         | 77.3         |
| R25Y_100_100_d | 56.8              | 48.0    | 50.5         | 69.6         |
| R50Y_100_100_d | 68.6              | 25.0    | 63.9         | 68.6         |
| R75Y_100_100_d | 80.6              | 4.8     | 77.2         | 77.3         |
| Y00G_100_100_d | 90.2              | -9.6    | 88.2         | 88.7         |
| Y25G_100_100_d | 83.2              | -18.4   | 79.9         | 81.9         |
| Y50G_100_100_d | 73.3              | -31.7   | 62.7         | 70.2         |
| Y75G_100_100_d | 62.0              | -49.7   | 43.2         | 65.8         |
| G00B_100_100_d | 55.8              | -65.2   | 33.8         | 73.4         |
| G25B_100_100_d | 59.3              | -50.3   | -9.0         | 51.0         |
| G50B_100_100_d | 63.0              | -30.5   | -42.0        | 51.9         |
| G75B_100_100_d | 45.7              | -5.7    | -44.6        | 44.9         |
| B00R_100_100_d | 27.5              | 25.9    | -47.3        | 53.9         |
| B25R_100_100_d | 38.3              | 52.6    | -28.5        | 59.8         |
| B50R_100_100_d | 49.5              | 73.5    | -9.0         | 74.0         |
| B75R_100_100_d | 48.9              | 69.3    | 12.9         | 70.4         |



%Gamut

$u^*_{rel} = 158$

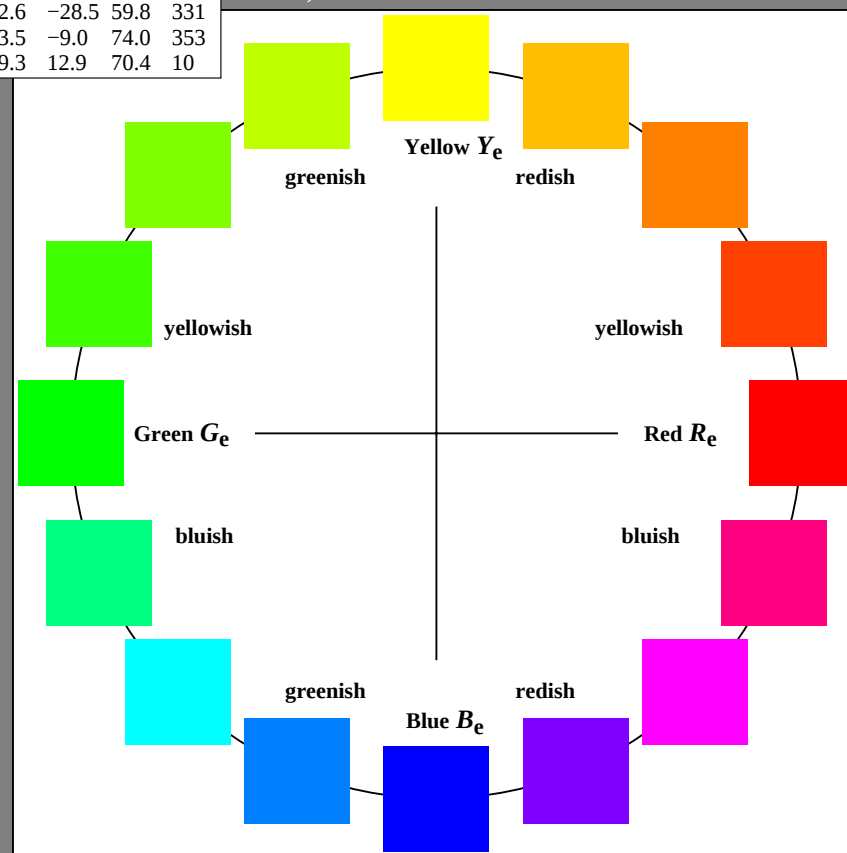
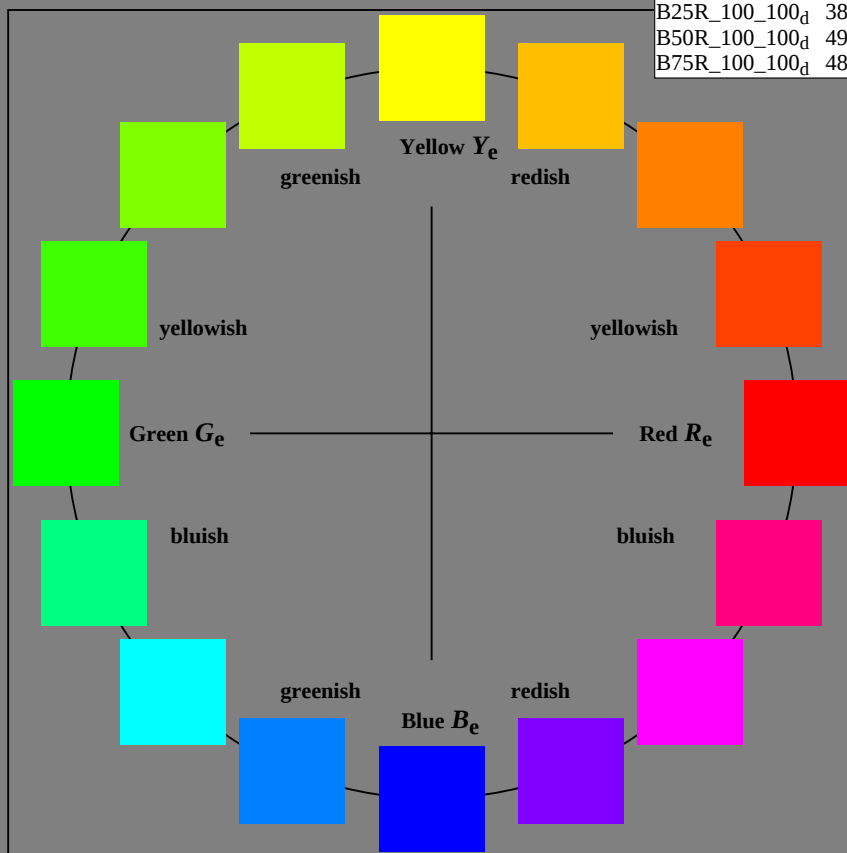
%Regularity

$g^*H_{rel} = 19$

$g^*C_{rel} = 37$

TLS00a; adapted (a) CIELAB data

| name                | $L^*=L^*_a a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------|-------------------|---------|--------------|--------------|
| R <sub>d, Ma</sub>  | 50.5              | 76.9    | 64.5         | 100.4        |
| Y <sub>d, Ma</sub>  | 92.6              | -20.6   | 90.7         | 93.0         |
| G <sub>d, Ma</sub>  | 83.6              | -82.7   | 79.9         | 115.0        |
| C <sub>d, Ma</sub>  | 86.8              | -46.1   | -13.5        | 48.0         |
| B <sub>d, Ma</sub>  | 30.3              | 76.0    | -103.6       | 128.5        |
| M <sub>d, Ma</sub>  | 57.3              | 94.3    | -58.4        | 110.9        |
| N <sub>d, Ma</sub>  | 0.0               | 0.0     | 0.0          | 0.0          |
| W <sub>d, Ma</sub>  | 95.4              | 0.0     | 0.0          | 0.0          |
| R <sub>d, CIE</sub> | 39.9              | 58.7    | 27.9         | 65.0         |
| Y <sub>d, CIE</sub> | 81.2              | -2.8    | 71.5         | 71.6         |
| G <sub>d, CIE</sub> | 52.2              | -42.4   | 13.6         | 44.5         |
| B <sub>d, CIE</sub> | 30.5              | 1.4     | -46.4        | 46.4         |



1-100000-L0 cmy6\*

AE690-70

Test chart AE69 similar to test chart 1 of CIE R8-09  
16 step elementary hue circle; Test chart according to DIN 33872-5

input:  $rgb/cmy0/000n/w$  set...  
output:  $\rightarrow rgb_{dd}$  set  $rgbcolor$