

Input and Output: Television Luminous System TLS00a

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

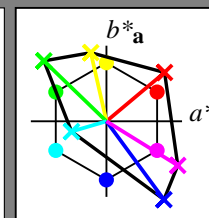
$HIC^*_d$

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         | 31           |
| R25Y_100_100_d                  | 56.8        | 48.0    | 50.5    | 69.6         | 46           |
| R50Y_100_100_d                  | 68.6        | 25.0    | 63.9    | 68.6         | 68           |
| R75Y_100_100_d                  | 80.6        | 4.8     | 77.2    | 77.3         | 86           |
| Y00G_100_100_d                  | 90.2        | -9.6    | 88.2    | 88.7         | 96           |
| Y25G_100_100_d                  | 83.2        | -18.4   | 79.9    | 81.9         | 102          |
| Y50G_100_100_d                  | 73.3        | -31.7   | 62.7    | 70.2         | 116          |
| Y75G_100_100_d                  | 62.0        | -49.7   | 43.2    | 65.8         | 139          |
| G00B_100_100_d                  | 55.8        | -65.2   | 33.8    | 73.4         | 152          |
| G25B_100_100_d                  | 59.3        | -50.3   | -9.0    | 51.0         | 190          |
| G50B_100_100_d                  | 63.0        | -30.5   | -42.0   | 51.9         | 234          |
| G75B_100_100_d                  | 45.7        | -5.7    | -44.6   | 44.9         | 262          |
| B00R_100_100_d                  | 27.5        | 25.9    | -47.3   | 53.9         | 298          |
| B25R_100_100_d                  | 38.3        | 52.6    | -28.5   | 59.8         | 331          |
| B50R_100_100_d                  | 49.5        | 73.5    | -9.0    | 74.0         | 353          |
| B75R_100_100_d                  | 48.9        | 69.3    | 12.9    | 70.4         | 10           |



%Gamut

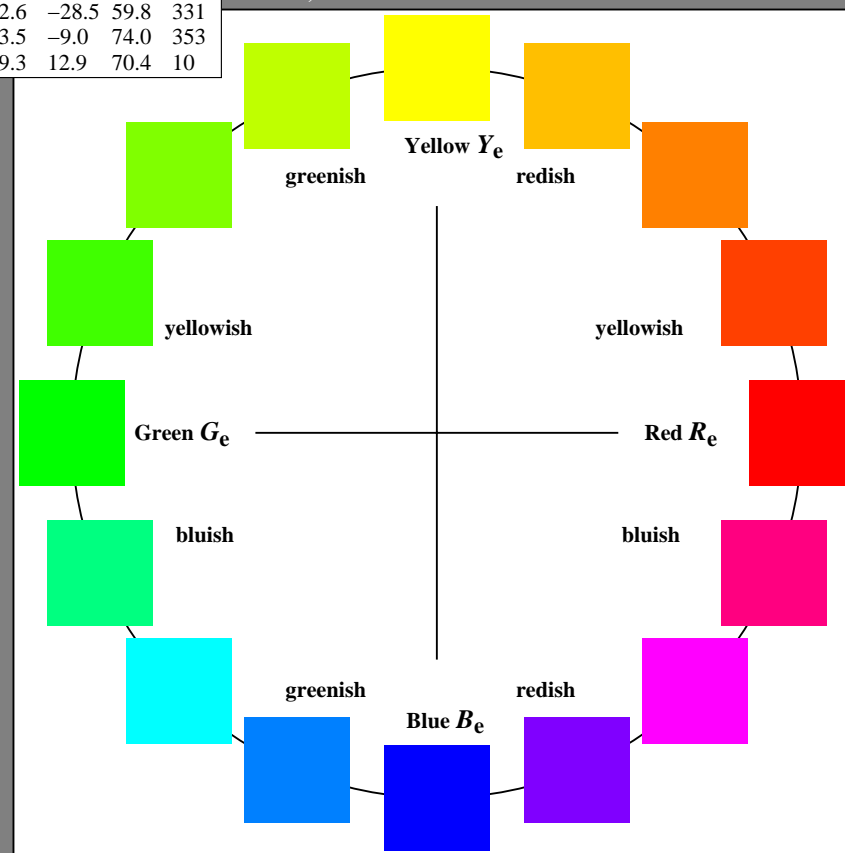
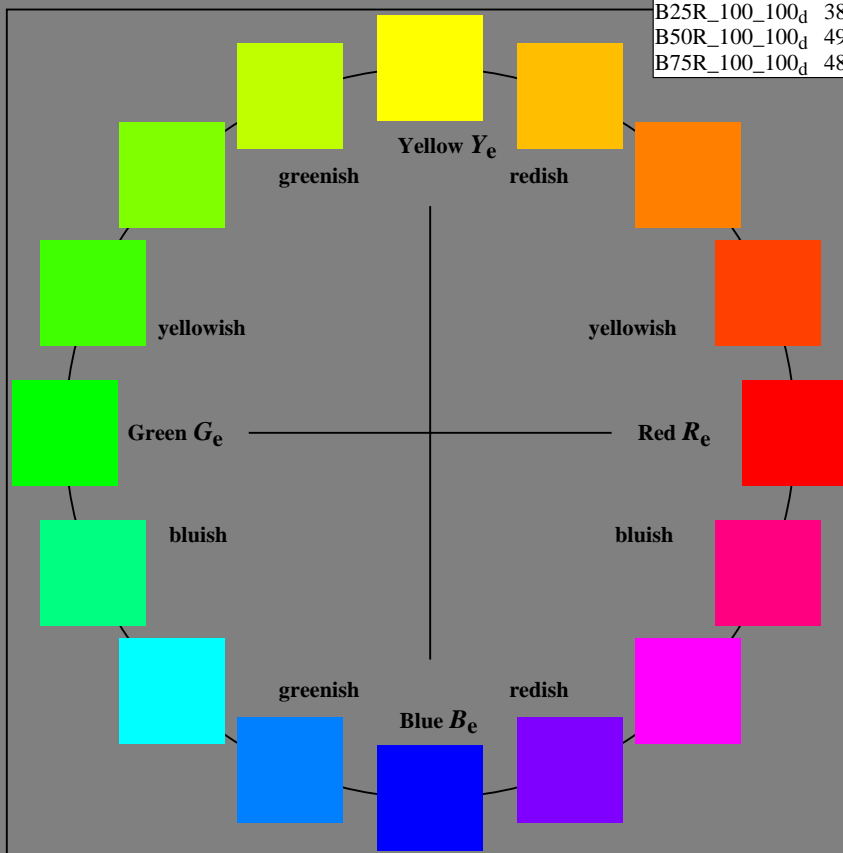
$u^*_{rel} = 158$

%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</sub> ,Ma              | 50.5        | 76.9    | 64.5    | 100.4        | 40           |
| Y <sub>d</sub> ,Ma              | 92.6        | -20.6   | 90.7    | 93.0         | 102          |
| G <sub>d</sub> ,Ma              | 83.6        | -82.7   | 79.9    | 115.0        | 136          |
| C <sub>d</sub> ,Ma              | 86.8        | -46.1   | -13.5   | 48.0         | 196          |
| B <sub>d</sub> ,Ma              | 30.3        | 76.0    | -103.6  | 128.5        | 306          |
| M <sub>d</sub> ,Ma              | 57.3        | 94.3    | -58.4   | 110.9        | 328          |
| N <sub>d</sub> ,Ma              | 0.0         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>d</sub> ,Ma              | 95.4        | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>d</sub> ,CIE             | 39.9        | 58.7    | 27.9    | 65.0         | 25           |
| Y <sub>d</sub> ,CIE             | 81.2        | -2.8    | 71.5    | 71.6         | 92           |
| G <sub>d</sub> ,CIE             | 52.2        | -42.4   | 13.6    | 44.5         | 162          |
| B <sub>d</sub> ,CIE             | 30.5        | 1.4     | -46.4   | 46.4         | 271          |



1-003000-L0 cmyn6

AE660-70

Test chart AE66 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:  $->rgb_{dd}$  set $rgbcolor$