

Input and Output: Television Luminous System TLS52a

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

HIC^*_e

hue text for the colours

of this page:

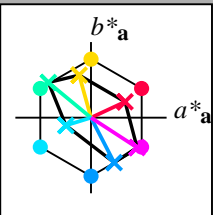
$H^*_eR00Y_e, R25Y_e, \dots, B75R_e$

ORS20a; adapted (a) CIELAB data

| H^*_e | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|----------------|-------------|---------|---------|--------------|--------------|
| R00Y_100_100_e | 48.4 | 66.1 | 40.2 | 77.3 | 31 |
| R25Y_100_100_e | 56.8 | 48.0 | 50.5 | 69.6 | 46 |
| R50Y_100_100_e | 68.6 | 25.0 | 63.9 | 68.6 | 68 |
| R75Y_100_100_e | 80.6 | 4.8 | 77.2 | 77.3 | 86 |
| Y00G_100_100_e | 90.2 | -9.6 | 88.2 | 88.7 | 96 |
| Y25G_100_100_e | 83.2 | -18.4 | 79.9 | 81.9 | 102 |
| Y50G_100_100_e | 73.3 | -31.7 | 62.7 | 70.2 | 116 |
| Y75G_100_100_e | 62.0 | -49.7 | 43.2 | 65.8 | 139 |
| G00B_100_100_e | 55.8 | -65.2 | 33.8 | 73.4 | 152 |
| G25B_100_100_e | 59.3 | -50.3 | -9.0 | 51.0 | 190 |
| G50B_100_100_e | 63.0 | -30.5 | -42.0 | 51.9 | 234 |
| G75B_100_100_e | 45.7 | -5.7 | -44.6 | 44.9 | 262 |
| B00R_100_100_e | 27.5 | 25.9 | -47.3 | 53.9 | 298 |
| B25R_100_100_e | 38.3 | 52.6 | -28.5 | 59.8 | 331 |
| B50R_100_100_e | 49.5 | 73.5 | -9.0 | 74.0 | 353 |
| B75R_100_100_e | 48.9 | 69.3 | 12.9 | 70.4 | 10 |

TLS52a; adapted (a) CIELAB data

| name | $L^*=L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|----------|-------------|---------|---------|--------------|--------------|
| R_e, Ma | 65.5 | 45.0 | 20.9 | 49.7 | 24 |
| Y_e, Ma | 93.3 | -15.6 | 56.2 | 58.3 | 105 |
| G_e, Ma | 86.5 | -56.3 | 46.5 | 73.0 | 140 |
| C_e, Ma | 88.9 | -33.1 | -10.2 | 34.7 | 197 |
| B_e, Ma | 57.1 | 30.6 | -59.4 | 66.8 | 297 |
| M_e, Ma | 69.2 | 60.9 | -39.5 | 72.6 | 327 |
| N_e, Ma | 52.0 | 0.0 | 0.0 | 0.0 | 0 |
| W_e, Ma | 95.4 | 0.0 | 0.0 | 0.0 | 0 |
| R_e, CIE | 39.9 | 58.7 | 27.9 | 65.0 | 25 |
| Y_e, CIE | 81.2 | -2.8 | 71.5 | 71.6 | 92 |
| G_e, CIE | 52.2 | -42.4 | 13.6 | 44.5 | 162 |
| B_e, CIE | 30.5 | 1.4 | -46.4 | 46.4 | 271 |



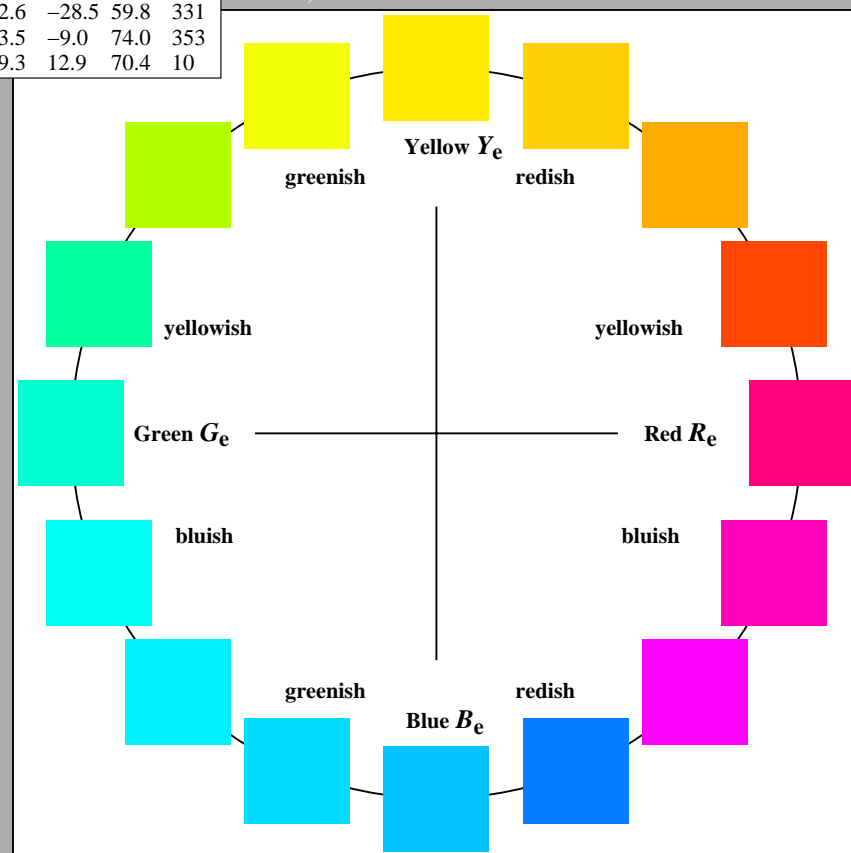
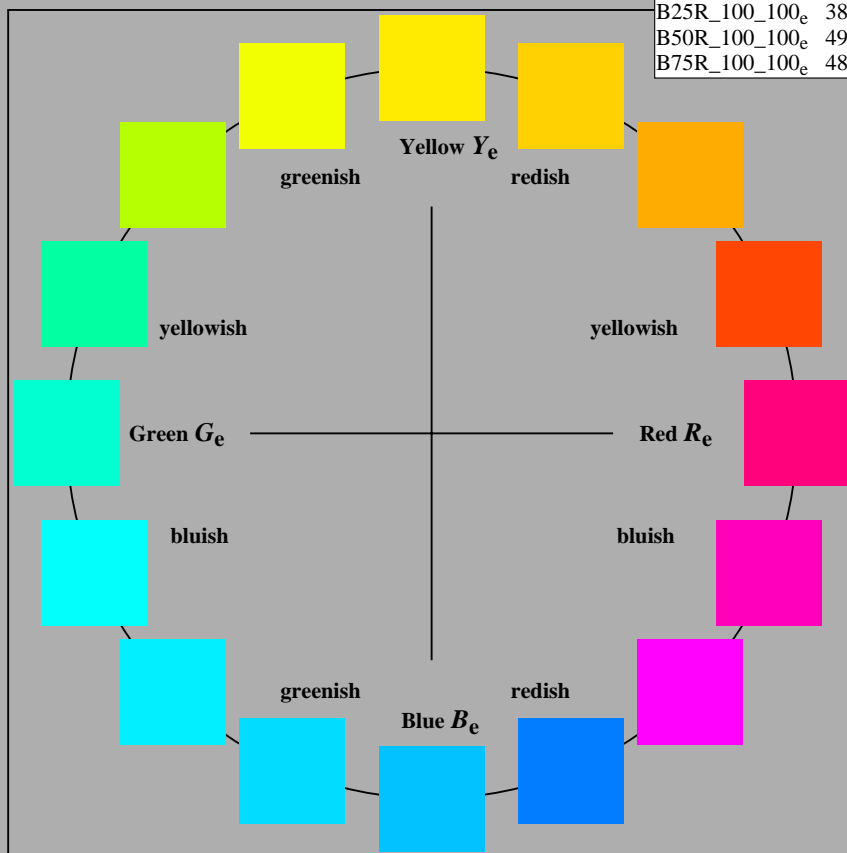
%Gamut

$u^*_{rel} = 42$

%Regularity

$g^*H_{rel} = 29$

$g^*C_{rel} = 47$



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: $\rightarrow rgb_{de}$ set $rgbcolor$