$XYZ_{W,10}$=96.72 , 99.99 , 81.41

$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,n,10})\ Y_{10}$

$B_{2,10} = 2{,}5\ B_c\ (b_{2,10} - b_{2,n,10})\ Y_{10}$

$a_{2,10} = a_{20}\ [\ (x_{10} - x_c)\ /\ y_{10}]$

$b_{2,10} = b_{20}\ [\ z_{10}\ /\ y_{10}]$

$a_{20} = 1,\ \ b_{20} = -0{,}4$

$x_c = 0{,}110,\ \ B_c = 1{,}000$

$C_{AB2,10}=[A_{2,10}{}^2+B_{2,10}{}^2]^{1/2}$

6 *Ostwald* colours (o)

of maximum (m) $C_{AB,10}$ in

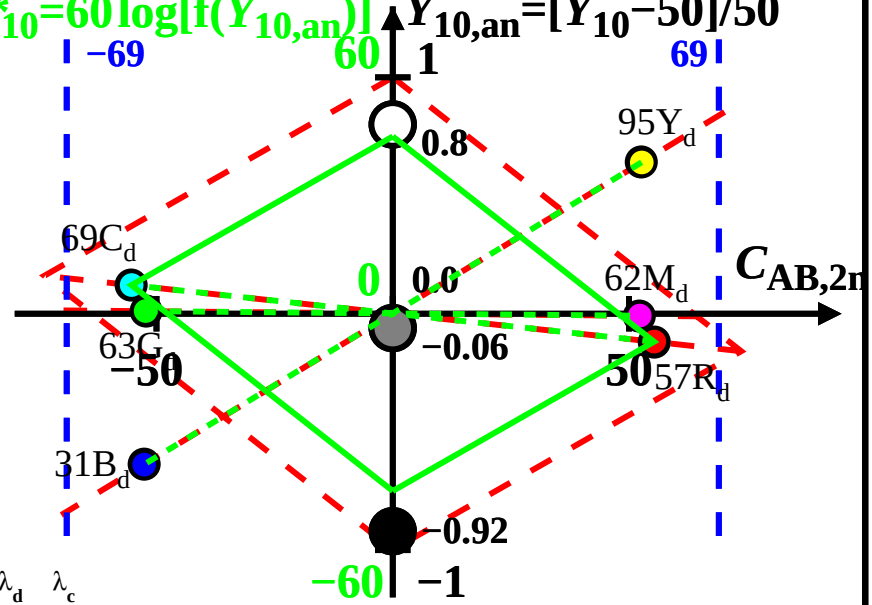
linear colour space ($C_{AB,2,10}$, $Y_{10}$)

Illumin. D50, $Y_{W,10}$=100, $Y_{N,10}$=25

| Name | Range | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|---|---|---|---|---|---|---|---|---|
| $R_d$ | 565_775 | 73.59 | 56.57 | 20.43 | 0.4886 | 0.3756 | 594 | 484 |
| $Y_d$ | 490_775 | 86.82 | 94.52 | 24.44 | 0.4218 | 0.4593 | 568 | 463 |
| $G_d$ | 490_565 | 37.5 | 63.04 | 24.44 | 0.3 | 0.5043 | 531 | 531c |
| $C_d$ | 380_565 | 47.43 | 68.54 | 81.43 | 0.2402 | 0.3472 | 484 | 594 |
| $B_d$ | 380_490 | 34.2 | 30.6 | 77.41 | 0.2405 | 0.2151 | 463 | 568 |
| $M_d$ | 565_490 | 83.51 | 62.07 | 77.41 | 0.3744 | 0.2783 | 531c | 531 |
| $W_d$ | 380_775 | 96.72 | 99.99 | 81.41 | 0.3477 | 0.3595 | 100% | |
| $N_d$ | 380_775 | 24.18 | 24.99 | 20.35 | 0.3477 | 0.3595 | 25% | |
| $Z_d$ | 380_775 | 17.41 | 17.99 | 14.65 | 0.3477 | 0.3595 | 18% | |

$L^*_{10}=60\log[f(Y_{10,an})]$

$Y_{10,an}=[Y_{10}-50]/50$




$f(Y_{10,an})=\pm[1+10\ |Y_{10,an}|^n]$

*n* increases to 1 for:

1. decreasing of the contrast *C*
2. adjacent compared to separate colours.

**Parameter:**

**$Y_{10}$ & Name**

**Illuminant D50**

**$Y_{W,10}$=100, $Y_{N,10}$=25**