$XYZ_{W,10}$=101.75 , 100.0 , 64.44

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

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

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

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

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

$x_c = 0{,}110,\ \ B_c = 1{,}300$

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

6 *Ostwald* colours (o)

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

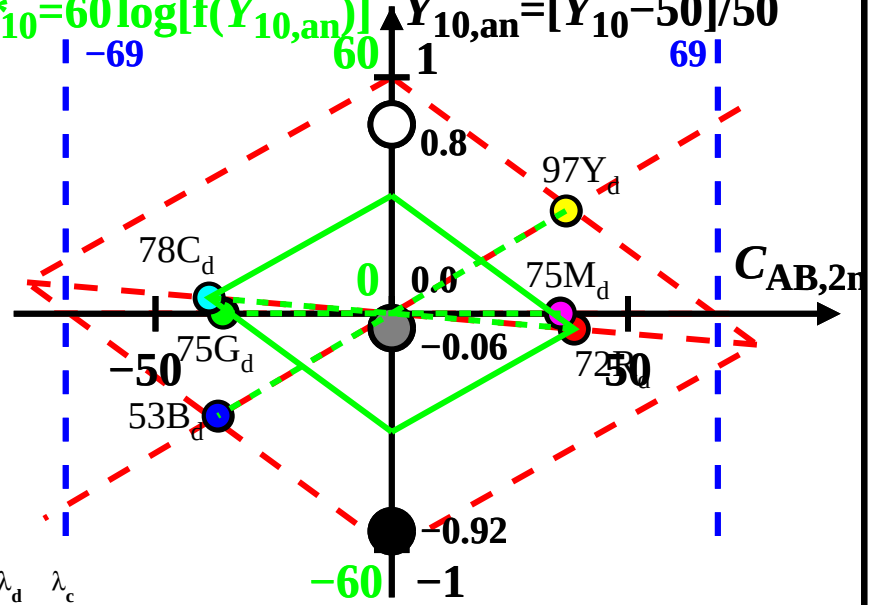
linear colour space ($C_{AB,2,10}$, $Y_{10}$)

Illumin. P40, $Y_{W,10}$=100, $Y_{N,10}$=50

| Name | Range | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|---|---|---|---|---|---|---|---|---|
| $R_d$ | 569_775 | 86.63 | 71.77 | 32.28 | 0.4543 | 0.3763 | 597 | 487 |
| $Y_d$ | 492_775 | 96.57 | 96.76 | 34.15 | 0.4244 | 0.4253 | 572 | 465 |
| $G_d$ | 492_569 | 60.91 | 75.09 | 34.15 | 0.3579 | 0.4413 | 535 | 535c |
| $C_d$ | 380_569 | 66.14 | 78.37 | 64.47 | 0.3164 | 0.375 | 487 | 597 |
| $B_d$ | 380_492 | 56.2 | 53.38 | 62.6 | 0.3264 | 0.3099 | 465 | 572 |
| $M_d$ | 569_492 | 91.86 | 75.05 | 62.6 | 0.4002 | 0.3269 | 535c | 535 |
| $W_d$ | 380_775 | 101.75 | 100.0 | 64.44 | 0.3822 | 0.3756 | 100% | |
| $N_d$ | 380_775 | 50.87 | 50.0 | 32.22 | 0.3822 | 0.3756 | 50% | |
| $Z_d$ | 380_775 | 18.31 | 18.0 | 11.6 | 0.3822 | 0.3756 | 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 P40**

**$Y_{W,10}$=100, $Y_{N,10}$=50**