

$XYZ_{W,10} = 99.99, 99.99, 100.0$

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

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

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

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

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

$x_c = 0,110, B_c = 0,900$

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

6 Ostwald-Farben (o)

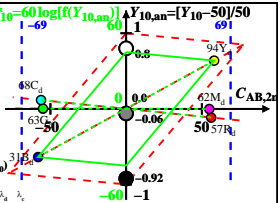
von maximalem (m)  $C_{AB,10}$

linearen Farbenraum ( $C_{AB,2,10}, Y_{10}$ )

Lichtart E00,  $Y_{W,10} = 100, Y_{N,10} = 25$

Name	Bereich	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	$\lambda_d$	$\lambda_c$
$R_d$	564_775	74.64	56.8	25.1	0.4768	0.3628	594	482
$Y_d$	487_775	87.39	94.42	29.8	0.4129	0.4461	568	459
$G_d$	487_564	37.84	62.71	29.8	0.2902	0.481	530	530c
$C_d$	380_564	50.46	68.31	100.03	0.2306	0.3122	482	594
$B_d$	380_487	37.71	30.69	95.33	0.2303	0.1874	459	568
$M_d$	564_487	87.27	62.4	95.33	0.3561	0.2547	530c	530
$W_d$	380_775	99.99	99.99	100.0	0.3333	0.3333	100%	
$N_d$	380_775	24.99	24.99	25.0	0.3333	0.3333	25%	
$Z_d$	380_775	17.99	17.99	18.0	0.3333	0.3333	18%	

$L^*_{10} = 60 \log[f(Y_{10,an})]$   $Y_{10,an} = [Y_{10} - 50] / 50$



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

1. abnehmendem Kontrast  $C$
2. aneinandergrenzende / separate Farben.

Parameter:  
 $Y_{10}$  & Name  
 Lichtart E00  
 $Y_{W,10} = 100, Y_{N,10} = 25$