

$XYZ_{W,10} = 99.8, 100.0, 75.8$

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

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

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

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

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

$x_c = 0,110, B_c = 1,100$

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

6 Ostwald-Farben (o)

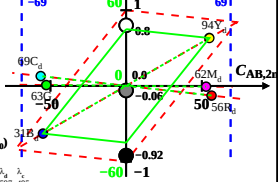
von maximalem (m) $C_{AB,10}$

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

Lichtart P45, $Y_{W,10} = 100, Y_{N,10} = 25$

Name	Bereich	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	567_775	75.67	56.13	19.02	0.5016	0.3721	597	485
Y_d	490_775	90.46	94.12	21.66	0.4386	0.4563	571	465
G_d	490_567	39.83	63.09	21.66	0.3197	0.5063	536	536c
C_d	380_567	49.2	68.98	75.82	0.2536	0.3555	485	597
B_d	380_490	34.41	30.99	73.19	0.2482	0.2236	465	571
M_d	567_490	85.03	62.03	73.19	0.386	0.2816	536c	536
W_d	380_775	99.8	100.0	75.8	0.3621	0.3628	100%	
N_d	380_775	24.95	25.0	18.95	0.3621	0.3628	25%	
Z_d	380_775	17.96	18.0	13.64	0.3621	0.3628	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 P45
 $Y_{W,10} = 100, Y_{N,10} = 25$