

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

$A_{2,10} = 2.5 (a_{2,10} - a_{2,n,10}) Y_{10}$

$B_{2,10} = 2.5 B_c (b_{2,10} - b_{2,n,10}) Y_{10}$

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

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

$a_{20} = 1, b_{20} = -0.4$

$x_c = 0.110, B_c = 1.100$

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

6 Ostwald-Farben (o)

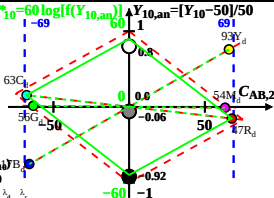
von maximalem (m) $C_{AB,10}$ im

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

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

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	70.82	47.34	7.65	0.5628	0.3762	597	485
Y _d	490_775	88.57	92.93	10.81	0.4605	0.4832	571	465
G _d	490_567	27.82	55.69	10.81	0.2949	0.5903	536	536c
C _d	380_567	39.06	62.76	75.81	0.2198	0.3533	485	597
B _d	380_490	21.31	17.17	72.65	0.1917	0.1545	465	571
M _d	567_490	82.06	54.41	72.65	0.3923	0.2602	536c	536
W _d	380_775	99.8	100.0	75.8	0.3621	0.3628	100%	
N _d	380_775	9.98	10.0	7.58	0.3621	0.3628	10%	
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
 $Y_{W,10} = 100, Y_{N,10} = 10$