

$XYZ_{W,10} = 97.65, 100.0, 95.55$

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

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

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

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

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

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

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

6 Ostwald-Farben (o)

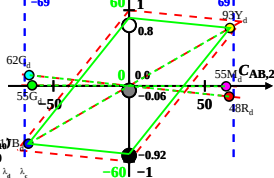
von maximalem (m) $C_{AB,10}$

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

Lichtart P55, $Y_{W,10} = 100, Y_{N,10} = 10$

Name	Bereich	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	564_775	68.21	47.99	9.65	0.5419	0.3813	593	483
Y_d	488_775	83.33	93.29	15.22	0.4343	0.4862	568	460
G_d	488_564	24.97	55.39	15.22	0.2612	0.5794	529	529c
C_d	380_564	39.31	62.11	95.56	0.1995	0.3153	483	593
B_d	380_488	24.19	16.81	89.98	0.1847	0.1283	460	568
M_d	564_488	82.55	54.71	89.98	0.3632	0.2407	529c	529
W_d	380_775	97.65	100.0	95.55	0.333	0.341	100%	
N_d	380_775	9.76	10.0	9.55	0.333	0.341	10%	
Z_d	380_775	17.57	18.0	17.19	0.333	0.341	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 P55
 $Y_{W,10} = 100, Y_{N,10} = 10$