

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

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

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

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

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

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

$x_c = 0.110, B_c = 0.900$

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

6 Ostwald-Farben (o)

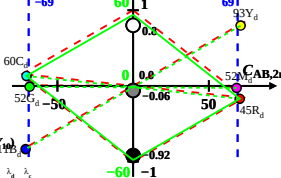
von maximalem (m) $C_{AB,10}$ im

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

Lichtart P55, $Y_{W,10} = 100, Y_{N,10} = 4$

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	66.24	44.52	3.91	0.5776	0.3882	593	483
Y_d	488_775	82.36	92.83	9.86	0.445	0.5016	568	460
G_d	488_564	20.12	52.41	9.86	0.2442	0.636	529	529c
C_d	380_564	35.41	59.57	95.55	0.1858	0.3126	483	593
B_d	380_488	19.29	11.26	89.61	0.1605	0.0937	460	568
M_d	564_488	81.53	51.69	89.61	0.3658	0.2319	529c	529
W_d	380_775	97.65	100.0	95.55	0.333	0.341	100%	
N_d	380_775	3.9	4.0	3.82	0.333	0.341	4%	
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
 $Y_{W,10} = 100, Y_{N,10} = 4$