

$XYZ_{W,10} = 97.28, 99.99, 116.14$

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

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

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

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

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

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

$x_c = 0,110, B_c = 0,700$

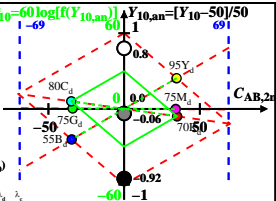
$C_{AB,2,10} = [A_{2,10}^2 + B_{2,10}^2]^{1/2}$

6 Ostwald-Farben (o)

von maximalem (m) $C_{AB,10}$ im
linearen Farbenraum ($C_{AB,2,10}, Y_{10}$)

Lichtart C00, $Y_{W,10} = 100, Y_{N,10} = 50$

Name	Bereich	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R _d	561_775	79.25	70.14	58.18	0.3817	0.3379	593	481
Y _d	486_775	87.59	95.32	61.25	0.3587	0.3903	567	461
G _d	486_561	57.08	75.28	61.25	0.2948	0.3888	530	530c
C _d	380_561	66.82	80.0	116.2	0.254	0.3041	481	593
B _d	380_486	58.48	54.82	113.13	0.2582	0.2421	461	567
M _d	561_486	88.99	74.86	113.13	0.3212	0.2702	530c	530
W _d	380_775	97.28	99.99	116.14	0.3103	0.319		100%
N _d	380_775	48.64	49.99	58.07	0.3103	0.319		50%
Z _d	380_775	17.51	18.0	20.9	0.3103	0.319		18%



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

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

Parameter:
 Y_{10} & Name
Lichtart C00
 $Y_{W,10} = 100, Y_{N,10} = 50$