

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

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

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

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

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

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

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

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

6 Ostwald-Farben (o)

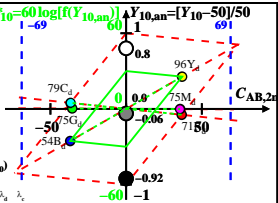
von maximalem (m)  $C_{AB,10}$

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

Lichtart P55,  $Y_{W,10} = 100, Y_{N,10} = 50$

Name	Bereich	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	$\lambda_d$	$\lambda_c$
R <sub>d</sub>	564_775	81.34	71.15	47.87	0.4059	0.3551	593	483
Y <sub>d</sub>	488_775	89.74	96.31	50.96	0.3786	0.4063	568	460
G <sub>d</sub>	488_564	57.32	75.26	50.96	0.3122	0.41	529	529 <sub>c</sub>
C <sub>d</sub>	380_564	65.28	78.99	95.6	0.2721	0.3293	483	593
B <sub>d</sub>	380_488	56.89	53.83	92.5	0.2799	0.2648	460	568
M <sub>d</sub>	564_488	89.3	74.88	92.5	0.3479	0.2917	529 <sub>c</sub>	529
W <sub>d</sub>	380_775	97.65	100.0	95.55	0.333	0.341	100%	
N <sub>d</sub>	380_775	48.82	50.0	47.77	0.333	0.341	50%	
Z <sub>d</sub>	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  
 $Y_{W,10} = 100, Y_{N,10} = 50$