

$XYZ_W=96.42, 100.0, 82.49$

$A_2 = 2,5 (a_2 - a_{2,n}) Y$

$B_2 = 2,5 (b_2 - b_{2,n}) Y$

$a_2 = a_{20} [(x - x_c) / y]$

$b_2 = b_{20} B_c [z / y]$

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

$x_c = 0,110, B_c = 1,000$

$C_{AB,2} = [A_2^2 + B_2^2]^{1/2}$

6 Ostwald-Farben (o),  $C_{AB,2} = \text{const}$

Farbenraum ( $C_{AB,2}, L^*_{CIE}$ )

$L^*_{CIE} = 116(Y/100)^{1/3} - 16$  ( $Y > 0,8856$ ) oder

$L^*_{CIE} = 116[(841/108)(Y/100) + 4/29] - 16$

Lichtart D50,  $Y_W = 54.0, Y_N = 6.0$

Name	Bereich	X	Y	Z	x	y	$\lambda_d$	$\lambda_c$	$a_2$	$b_2$	$c_2$	$A_2$	$B_2$	$C_{AB,2}$	$h_{AB,2}$	$Y_r$	$L^*_{CIE}$	$L^*_{Clr}$	$L^*_{TUr}$	$L^*_{TAr}$
R	570_775	33.24	22.67	4.47	0.55	0.375598	491	1.172	-0.078	0.573	29.2	14.2	32.5	25	1.25	4.7	5.2	5.7	4.9	
Y <sub>n</sub>	496_775	41.1	46.02	6.29	0.44	0.492573	468	0.669	-0.054	0.275	1.4	31.6	31.7	87	2.55	23.5	24.3	23.3	19.3	
G	496_570	13.07	28.74	6.27	0.271	0.597538	538	0.27	-0.087	0.456	-27.7	17.4	32.8	147	1.59	10.5	11.1	11.6	10.0	
C <sub>n</sub>	380_570	18.82	31.32	40.07	0.208	0.347491	598	0.284	-0.511	0.415	-29.2	-14.2	32.5	205	1.74	12.7	13.4	13.7	11.8	
B	380_496	10.96	7.97	38.25	0.191	0.139468	573	0.585	-1.917	1.589	-1.4	-31.6	31.7	267	0.44	-16.0	-15.7	-20.2	-16.9	
M	570_496	38.99	25.25	38.27	0.38	0.246538	538	1.097	-0.606	0.519	27.7	-17.4	32.8	327	1.4	7.3	7.9	8.4	7.3	
W <sub>d</sub>	380_775	52.06	54.0	44.54	0.345	0.358	54%	0.657	-0.329	0.01	0.0	0.0	0.0	0	3.0	28.4	29.2	27.3	22.1	
N <sub>d</sub>	380_775	5.78	6.0	4.94	0.345	0.358	6%	0.657	-0.329	0.01	0.0	0.0	0.0	0	181	0.33	-20.5	-20.2	-27.3	-22.1
U <sub>d</sub>	380_775	17.35	18.0	14.84	0.345	0.358	18%	0.657	-0.329	0.01	0.0	0.0	0.0	0	201	1.0	-0.4	0.0	0.0	0.0

