

$XYZ_W = 96.42, 100.0, 82.49$

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

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

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

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

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

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

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

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,  $Y_W = 100.0, Y_N = 0.1$

-74 Parameter:

$L_{CIE}^*$  & Name

$Y_r = Y/18,$

$L' = L^* - 50$

$L_{CIE}^*$

100

90

50

47

4

74

98Y<sub>d</sub>

$C_{AB,2}$

Name	Bereich	X	Y	Z	x	y	$\lambda_d$	$\lambda_c$	$a_2$	$b_2$	$c_2$	$A_2$	$B_2$	$C_{AB,2}$	$h_{AB,2}$	$Y_r$	$L_{CIE}^*$	$L_{CIE}^*$	$L_{Tur}^*$	$L_{Tar}^*$
R <sub>n</sub>	570_775	64.89	39.99	0.05	0.618	0.381598	491	1.333	0.0	0.752	67.6	32.9	75.2	25	2.22	69.4	70.1	69.8	66.6	
Y <sub>n</sub>	496_775	83.1	94.03	4.27	0.458	0.518573	468	0.671	-0.018	0.312	3.3	73.3	73.3	87	5.22	97.6	98.6	91.0	80.7	
G <sub>n</sub>	496_570	18.21	54.04	4.22	0.238	0.706538	538	0.181	-0.031	0.562	-64.3	40.3	75.9	147	3.0	78.4	79.2	77.3	72.2	
C <sub>n</sub>	380_570	31.53	60.01	82.44	0.181	0.344491	598	0.206	-0.549	0.501	-67.6	-32.9	75.2	205	3.33	81.8	82.6	79.9	73.9	
B <sub>n</sub>	380_496	13.32	5.97	78.23	0.136	0.061468	573	0.434	-5.235	4.91	-3.3	-73.3	73.3	267	0.33	29.3	29.6	22.6	27.7	
M <sub>n</sub>	570_496	78.21	45.96	78.28	0.386	0.227538	538	1.217	-0.681	0.66	64.3	-40.3	75.9	327	2.55	73.5	74.2	73.3	69.3	
W <sub>d</sub>	380_775	96.42	100.0	82.49	0.345	0.358	100%	0.657	-0.329	0.01	0.0	0.0	0.0	0	5.55	100.0	101.092	6	81.5	
N <sub>d</sub>	380_775	0.0	0.01	0.0	0.344	0.357	0%	0.656	-0.329	0.01	0.0	0.0	0.0	0.0	180	0.0	0.0	0.0	-136.201	
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	0.0	180	1.0	49.5	50.0	50.0	50.0

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