

$XYZ_W=100.93, 100.0, 64.68$

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

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

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

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

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

$x_c = 0,110, B_c = 1,300$

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

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 P40, $Y_W=100.0, Y_N=0.1$

Name	Bereich	X	Y	Z	x	y	λ_d	λ_c	a_2	b_2	c_2	A_2	B_2	$C_{AB,2}$	$h_{AB,2}$	Y_r	L^*_{CIE}	L^*_{Cl}	L^*_{Tu}	L^*_{Ta}
R _n	573_775	70.19	41.14	0.05	0.63	0.369600	493	1.408	0.0	0.768	71.0	34.5	79.0	25	2.28	20.2	20.9	20.5	17.2	
Y _n	498_775	90.58	95.34	4.06	0.476	0.501576	468	0.73	-0.022	0.314	3.2	74.8	74.9	87	5.29	48.1	49.1	41.4	30.9	
G _n	498_573	20.4	54.21	4.02	0.259	0.689540	540	0.216	-0.038	0.582	-67.8	40.3	78.9	149	3.01	28.5	29.3	27.4	22.2	
C _n	380_573	30.74	58.86	64.64	0.199	0.381493	600	0.234	-0.571	0.537	-71.0	-34.5	79.0	205	3.27	31.2	32.0	29.4	23.6	
B _n	380_498	10.35	4.66	60.62	0.136	0.061468	576	0.435	-6.762	6.432	-3.2	-74.8	74.9	267	0.25	-24.2	-23.9	-33.5	-26.3	
M _n	573_498	80.53	45.79	60.67	0.43	0.244540	540	1.309	-0.688	0.689	67.8	-40.3	78.9	329	2.54	23.4	24.1	23.2	19.2	
W _n	380_775	100.93	100.0	64.68	0.379	0.376	100%	0.717	-0.336	0.01	0.0	0.0	0.0	0	5.55	50.0	51.0	42.6	31.5	
N _d	380_775	0.01	0.01	0.0	0.378	0.375	0%	0.716	-0.336	0.01	0.0	0.0	0.0	180	0.0	-49.9	-49.9	-186.2	-49.8	
U _d	380_775	18.16	18.0	11.64	0.379	0.376	18%	0.717	-0.336	0.01	0.0	0.0	0.0	166	1.0	-0.4	0.0	0.0	0.0	

-74 Parameter:

L^*_{CIE} & Name

$Y_r = Y/18,$

$L' = L^* - 50$

