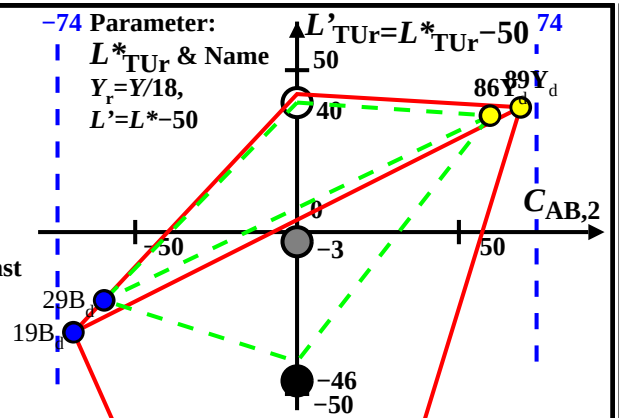
XYZ_W=95.04 , 100.0 , 108.89
$A_2 = 2{,}5\ (a_2 - a_{2,n})\ Y$
$B_2 = 2{,}5\ (b_2 - b_{2,n})\ Y$
$a_2 = a_{20}\ [\ (\ x - x_c\ )\ /\ y]$
$b_2 = b_{20} B_c\ [\ z\ /\ y]$
$a_{20} = 1,\ \ b_{20} = -0{,}4$
$x_c = 0{,}110,\ \ B_c = 0{,}800$
$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$
6 *Ostwald*-Farben (o), $C_{AB,2}$=const
Farbenraum ($C_{AB,2}$, L^*_{TUr})
$L^*_{TUr} = 50 + 40[Y_r/\log(5)]$

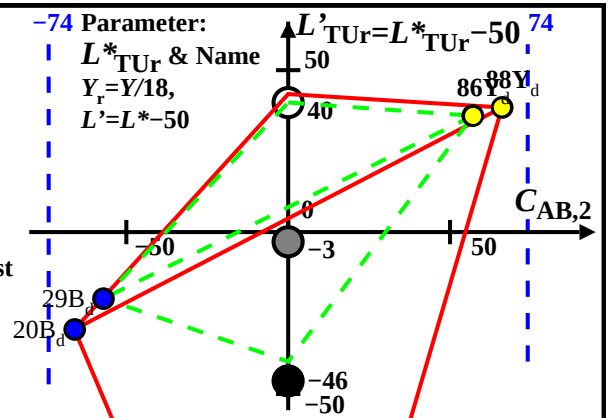


Lichtart D65, Y_W=90.0 , Y_N=3.6

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'_{CIr}	L'_{TUr}	L'_{TAr}
R_o	567_775	49.44	32.71	3.56	0.576	0.381	596	489	1.223	−0.034	0.683	49.6	25.6	55.8	27	1.81	13.9	14.5	14.8	12.6
Y_o	493_775	63.04	76.53	8.77	0.424	0.515	570	463	0.61	−0.036	0.311	−1.0	59.6	59.6	91	4.25	40.1	41.0	35.9	27.8
G_o	493_567	16.67	47.05	8.74	0.23	0.649	535	535c	0.184	−0.059	0.519	−50.7	33.9	61.0	146	2.51	24.2	24.9	23.8	19.7
C_o	380_567	30.61	51.52	88.16	0.179	0.302	489	596	0.23	−0.547	0.433	−49.6	−25.6	55.8	207	2.86	26.9	27.7	26.1	21.3
B_o	380_493	17.01	7.7	82.95	0.158	0.071	463	570	0.671	−3.444	3.096	1.0	−59.6	59.6	271	0.42	−16.6	−16.2	−21.0	−17.6
M_o	567_493	63.38	37.18	82.98	0.345	0.202	535c	535	1.161	−0.714	0.656	50.7	−33.9	61.0	326	2.06	17.4	18.0	18.0	15.2
W_d	380_775	85.53	90.0	98.0	0.312	0.329	90%		0.616	−0.348	0.01	0.0	0.0	0.0	0	4.99	45.9	46.9	40.0	30.1
N_d	380_775	3.42	3.6	3.92	0.312	0.329	3%		0.616	−0.348	0.01	0.0	0.0	0.0	180	0.19	−27.6	−27.4	−40.0	−30.1
U_d	380_775	17.1	18.0	19.6	0.312	0.329	18%		0.616	−0.348	0.01	0.0	0.0	0.0	184	1.0	−0.4	0.0	0.0	0.0

fgd30−5a

XYZ_W=96.42 , 100.0 , 82.49
$A_2 = 2{,}5\ (a_2 - a_{2,n})\ Y$
$B_2 = 2{,}5\ (b_2 - b_{2,n})\ Y$
$a_2 = a_{20}\ [\ (\ x - x_c\ )\ /\ y]$
$b_2 = b_{20} B_c\ [\ z\ /\ y]$
$a_{20} = 1,\ \ b_{20} = -0{,}4$
$x_c = 0{,}110,\ \ B_c = 1{,}000$
$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$
6 *Ostwald*-Farben (o), $C_{AB,2}$=const
Farbenraum ($C_{AB,2}$, L^*_{TUr})
$L^*_{TUr} = 50 + 40[Y_r/\log(5)]$

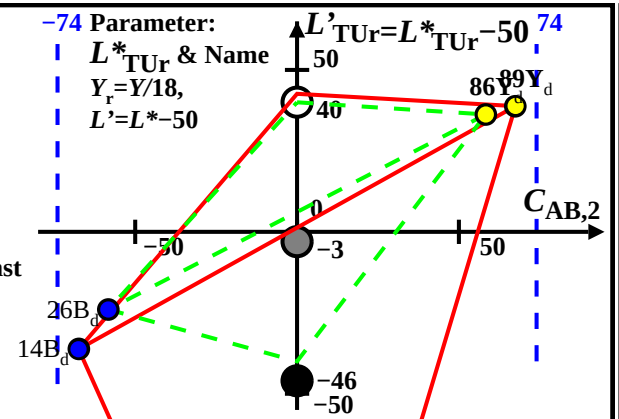


Lichtart D50, Y_W=90.0 , Y_N=3.6

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'_{CIr}	L'_{TUr}	L'_{TAr}
R_o	570_775	53.58	34.33	2.71	0.591	0.378	598	491	1.27	−0.031	0.681	52.5	25.6	58.5	25	1.9	15.2	15.8	16.0	13.6
Y_o	496_775	67.74	76.35	5.98	0.451	0.508	573	468	0.67	−0.031	0.299	2.5	57.0	57.0	87	4.24	40.0	40.9	35.9	27.8
G_o	496_570	17.28	45.26	5.95	0.252	0.66	538	538c	0.215	−0.052	0.521	−50.0	31.3	59.0	147	2.51	23.0	23.8	22.9	19.0
C_o	380_570	27.64	49.9	66.78	0.191	0.345	491	598	0.235	−0.535	0.469	−52.5	−25.6	58.5	205	2.77	26.0	26.7	25.3	20.7
B_o	380_496	13.48	7.88	63.5	0.158	0.092	468	573	0.526	−3.223	2.896	−2.5	−57.0	57.0	267	0.43	−16.2	−15.9	−20.5	−17.2
M_o	570_496	63.94	38.97	63.54	0.384	0.234	538c	538	1.17	−0.652	0.606	50.0	−31.3	59.0	327	2.16	18.7	19.4	19.2	16.1
W_d	380_775	86.78	90.0	74.24	0.345	0.358	90%		0.657	−0.329	0.01	0.0	0.0	0.0	0	4.99	45.9	46.9	40.0	30.1
N_d	380_775	3.47	3.6	2.96	0.345	0.358	3%		0.657	−0.329	0.01	0.0	0.0	0.0	181	0.19	−27.6	−27.4	−40.0	−30.1
U_d	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	186	1.0	−0.4	0.0	0.0	0.0

fgd30−6a

XYZ_W=100.93 , 100.0 , 64.68
$A_2 = 2{,}5\ (a_2 - a_{2,n})\ Y$
$B_2 = 2{,}5\ (b_2 - b_{2,n})\ Y$
$a_2 = a_{20}\ [\ (\ x - x_c\ )\ /\ y]$
$b_2 = b_{20} B_c\ [\ z\ /\ y]$
$a_{20} = 1,\ \ b_{20} = -0{,}4$
$x_c = 0{,}110,\ \ B_c = 1{,}300$
$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$
6 *Ostwald*-Farben (o), $C_{AB,2}$=const
Farbenraum ($C_{AB,2}$, L^*_{TUr})
$L^*_{TUr} = 50 + 40[Y_r/\log(5)]$

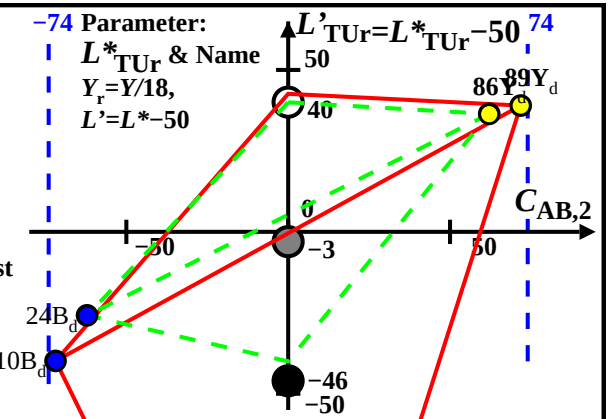


Lichtart P40, Y_W=90.0 , Y_N=3.6

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'_{CIr}	L'_{TUr}	L'_{TAr}
R_o	573_775	57.85	35.23	2.13	0.607	0.37	600	493	1.344	−0.031	0.697	55.2	26.8	61.4	25	1.96	15.9	16.5	16.6	14.1
Y_o	498_775	73.71	77.38	5.25	0.471	0.494	576	468	0.73	−0.035	0.301	2.5	58.2	58.3	87	4.29	40.4	41.4	36.2	28.0
G_o	498_573	19.12	45.39	5.21	0.274	0.65	540	540c	0.252	−0.059	0.54	−52.7	31.3	61.3	149	2.52	23.1	23.8	22.9	19.0
C_o	380_573	27.17	49.0	52.36	0.211	0.381	493	600	0.265	−0.555	0.501	−55.2	−26.8	61.4	205	2.72	25.4	26.2	24.8	20.4
B_o	380_498	11.31	6.85	49.24	0.167	0.101	468	576	0.568	−3.733	3.4	−2.5	−58.2	58.3	267	0.38	−18.5	−18.1	−23.9	−19.8
M_o	573_498	65.89	38.84	49.27	0.427	0.252	540c	540	1.26	−0.659	0.631	52.7	−31.3	61.3	329	2.15	18.6	19.3	19.1	16.1
W_d	380_775	90.83	90.0	58.22	0.379	0.376	90%		0.717	−0.336	0.01	0.0	0.0	0.0	0	4.99	45.9	46.9	40.0	30.1
N_d	380_775	3.63	3.6	2.32	0.379	0.376	3%		0.717	−0.336	0.01	0.0	0.0	0.0	180	0.19	−27.6	−27.4	−40.0	−30.1
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	189	1.0	−0.4	0.0	0.0	0.0

fgd30−7a

XYZ_W=109.84 , 99.99 , 35.58
$A_2 = 2{,}5\ (a_2 - a_{2,n})\ Y$
$B_2 = 2{,}5\ (b_2 - b_{2,n})\ Y$
$a_2 = a_{20}\ [\ (\ x - x_c\ )\ /\ y]$
$b_2 = b_{20} B_c\ [\ z\ /\ y]$
$a_{20} = 1,\ \ b_{20} = -0{,}4$
$x_c = 0{,}110,\ \ B_c = 2{,}500$
$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$
6 *Ostwald*-Farben (o), $C_{AB,2}$=const
Farbenraum ($C_{AB,2}$, L^*_{TUr})
$L^*_{TUr} = 50 + 40[Y_r/\log(5)]$



Lichtart A00, Y_W=90.0 , Y_N=3.6

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'_{CIr}	L'_{TUr}	L'_{TAr}
R_o	579_775	65.67	36.68	1.18	0.634	0.354	605	499	1.479	−0.032	0.727	59.7	29.6	66.6	26	2.03	17.0	17.7	17.6	14.9
Y_o	504_775	84.79	77.87	2.96	0.511	0.47	581	474	0.854	−0.038	0.318	5.1	61.8	62.0	85	4.32	40.7	41.6	36.4	28.1
G_o	504_579	22.67	44.42	2.93	0.323	0.634	547	547c	0.337	−0.066	0.57	−54.5	32.1	63.3	149	2.46	22.5	23.2	22.4	18.6
C_o	380_579	26.86	47.55	28.79	0.26	0.46	499	605	0.326	−0.605	0.561	−59.7	−29.6	66.6	206	2.64	24.5	25.2	24.1	19.9
B_o	380_504	7.74	6.36	27.0	0.188	0.154	474	581	0.505	−4.241	3.898	−5.1	−61.8	62.0	265	0.35	−19.6	−19.3	−25.8	−21.1
M_o	579_504	69.85	39.81	27.03	0.51	0.291	547c	547	1.376	−0.679	0.636	54.5	−32.1	63.3	329	2.21	19.3	20.0	19.7	16.5
W_d	380_775	98.86	89.99	32.02	0.447	0.407	90%		0.828	−0.355	0.01	0.0	0.0	0.0	0	4.99	45.9	46.9	40.0	30.1
N_d	380_775	3.95	3.59	1.28	0.447	0.407	3%		0.828	−0.355	0.01	0.0	0.0	0.0	181	0.19	−27.6	−27.4	−40.0	−30.1
U_d	380_775	19.77	17.99	6.4	0.447	0.407	18%		0.828	−0.355	0.01	0.0	0.0	0.0	190	1.0	−0.4	0.0	0.0	0.0

fgd30−8a