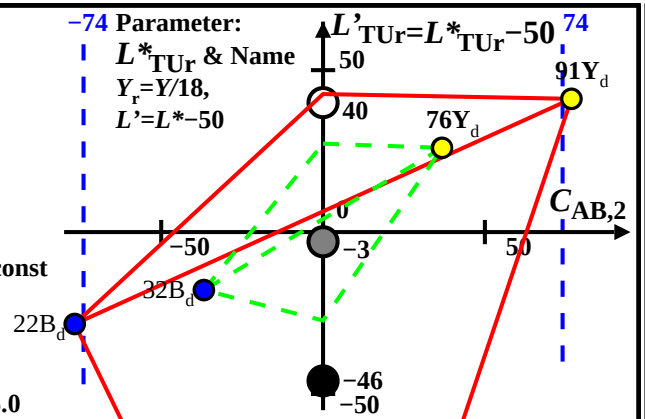
XYZ_W=95.04 , 100.0 , 108.89
$A_2 = 2{,}5\ (a_2 - a_{2,n})\ Y$
$B_2 = 2{,}5\ (b_2 - b_{2,n})\ Y$
$a_2 = a_{20}\ [\ (\ x - x_c\ )\ /\ y]$
$b_2 = b_{20} B_c\ [\ z\ /\ y]$
$a_{20} = 1,\ \ b_{20} = -0{,}4$
$x_c = 0{,}110,\ \ B_c = 0{,}800$
$C_{AB2} = [A_2^2 + B_2^2]^{1/2}$
6 *Ostwald*-Farben (o), $C_{AB,2}$=const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

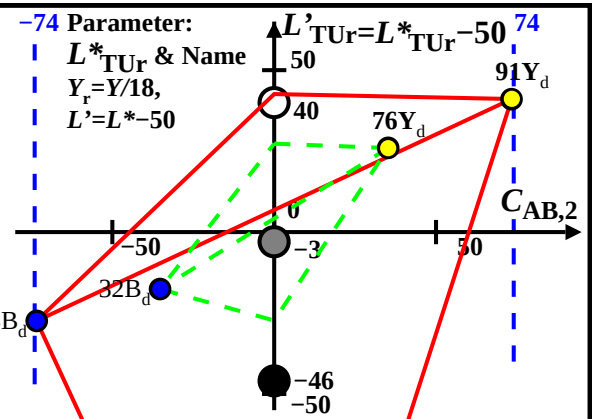


Lichtart D65, Y_W=54.0 , Y_N=6.0

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	34.32	24.19	6.55	0.527	0.371	596	489	1.122	−0.086	0.57	30.6	15.8	34.4	27	1.34	6.2	6.8	7.3	6.3
Y_o	493_775	42.71	51.24	9.77	0.411	0.493	570	463	0.61	−0.061	0.287	−0.6	36.8	36.8	91	2.84	26.8	27.6	26.0	21.2
G_o	493_567	14.09	33.04	9.75	0.247	0.58	535	535c	0.237	−0.094	0.456	−31.3	20.9	37.6	146	1.83	14.2	14.8	15.1	12.8
C_o	380_567	22.7	35.8	58.77	0.193	0.305	489	596	0.273	−0.525	0.385	−30.6	−15.8	34.4	207	1.98	16.3	17.0	17.0	14.5
B_o	380_493	14.3	8.75	55.56	0.181	0.111	463	570	0.646	−2.03	1.682	0.6	−36.8	36.8	271	0.48	−14.4	−14.1	−17.9	−15.1
M_o	567_493	42.93	26.95	55.58	0.342	0.214	535c	535	1.08	−0.659	0.559	31.3	−20.9	37.6	326	1.49	8.9	9.5	10.0	8.6
W_d	380_775	51.32	54.0	58.8	0.312	0.329	54%		0.616	−0.348	0.01	0.0	0.0	0.0	0	3.0	28.4	29.2	27.3	22.1
N_d	380_775	5.7	6.0	6.53	0.312	0.329	6%		0.616	−0.348	0.01	0.0	0.0	0.0	178	0.33	−20.5	−20.2	−27.3	−22.1
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	180	1.0	−0.4	0.0	0.0	0.0

fgc31−5a

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})
$L^*_{TUr} = 50 + 40[Y_r/\log(5)]$

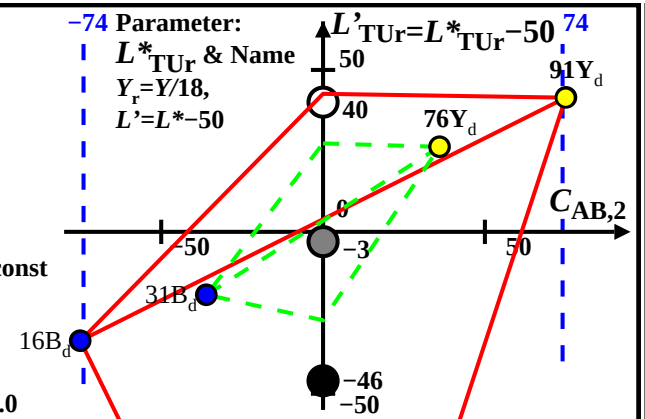


Lichtart D50, Y_W=54.0 , Y_N=6.0

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	36.93	25.19	4.97	0.55	0.375	598	491	1.172	−0.078	0.573	32.4	15.8	36.1	25	1.39	7.2	7.8	8.3	7.2
Y_o	496_775	45.67	51.13	6.99	0.44	0.492	573	468	0.669	−0.054	0.275	1.5	35.1	35.2	87	2.84	26.7	27.5	25.9	21.2
G_o	496_570	14.52	31.93	6.97	0.271	0.597	538	538c	0.27	−0.087	0.456	−30.8	19.3	36.4	147	1.77	13.2	13.9	14.2	12.2
C_o	380_570	20.92	34.8	44.52	0.208	0.347	491	598	0.284	−0.511	0.415	−32.4	−15.8	36.1	205	1.93	15.5	16.2	16.3	13.9
B_o	380_496	12.17	8.86	42.5	0.191	0.139	468	573	0.585	−1.917	1.589	−1.5	−35.1	35.2	267	0.49	−14.2	−13.9	−17.6	−14.9
M_o	570_496	43.32	28.06	42.52	0.38	0.246	538c	538	1.097	−0.606	0.519	30.8	−19.3	36.4	327	1.55	9.9	10.5	11.0	9.5
W_d	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_d	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	181	0.33	−20.5	−20.2	−27.3	−22.1
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	201	1.0	−0.4	0.0	0.0	0.0

fgc31−6a

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})
$L^*_{TUr} = 50 + 40[Y_r/\log(5)]$

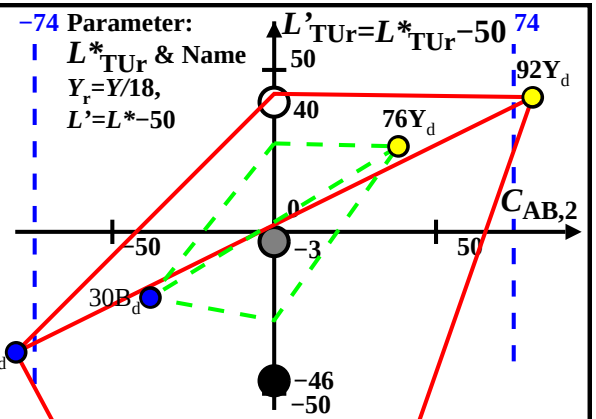


Lichtart P40, Y_W=54.0 , Y_N=6.0

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	39.74	25.74	3.9	0.572	0.371	600	493	1.247	−0.078	0.589	34.1	16.5	37.9	25	1.43	7.8	8.3	8.8	7.7
Y_o	498_775	49.53	51.76	5.83	0.462	0.483	576	468	0.729	−0.058	0.278	1.5	35.9	35.9	87	2.87	27.1	27.9	26.2	21.4
G_o	498_573	15.84	32.01	5.8	0.295	0.596	540	540c	0.31	−0.094	0.473	−32.5	19.3	37.8	149	1.77	13.3	14.0	14.3	12.2
C_o	380_573	20.81	34.25	34.91	0.231	0.38	493	600	0.318	−0.529	0.443	−34.1	−16.5	37.9	205	1.9	15.1	15.8	15.9	13.6
B_o	380_498	11.02	8.23	32.98	0.21	0.157	468	576	0.64	−2.083	1.748	−1.5	−35.9	35.9	267	0.45	−15.5	−15.1	−19.4	−16.3
M_o	573_498	44.71	27.98	33.0	0.423	0.264	540c	540	1.182	−0.613	0.541	32.5	−19.3	37.8	329	1.55	9.8	10.4	10.9	9.4
W_d	380_775	54.5	54.0	34.93	0.379	0.376	54%		0.717	−0.336	0.01	0.0	0.0	0.0	0	3.0	28.4	29.2	27.3	22.1
N_d	380_775	6.05	6.0	3.88	0.379	0.376	6%		0.717	−0.336	0.01	0.0	0.0	0.0	180	0.33	−20.5	−20.2	−27.3	−22.1
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	163	1.0	−0.4	0.0	0.0	0.0

fgc31−7a

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=54.0 , Y_N=6.0

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	44.93	26.64	2.15	0.609	0.361	605	499	1.381	−0.08	0.618	36.8	18.3	41.1	26	1.48	8.6	9.2	9.7	8.4
Y_o	504_775	56.73	52.06	3.25	0.506	0.464	581	474	0.852	−0.062	0.294	3.1	38.1	38.3	85	2.89	27.3	28.1	26.3	21.5
G_o	504_579	18.39	31.42	3.23	0.346	0.592	547	547c	0.399	−0.103	0.497	−33.6	19.8	39.1	149	1.74	12.8	13.5	13.8	11.8
C_o	380_579	20.97	33.35	19.19	0.285	0.453	499	605	0.386	−0.575	0.493	−36.8	−18.3	41.1	206	1.85	14.4	15.0	15.3	13.0
B_o	380_504	9.17	7.93	18.09	0.26	0.225	474	581	0.668	−2.287	1.932	−3.1	−38.1	38.3	265	0.44	−16.1	−15.8	−20.3	−17.0
M_o	579_504	47.51	28.57	18.11	0.504	0.303	547c	547	1.3	−0.633	0.547	33.6	−19.8	39.1	329	1.58	10.4	11.0	11.4	9.9
W_d	380_775	59.31	53.99	19.21	0.447	0.407	54%		0.828	−0.355	0.01	0.0	0.0	0.0	0	3.0	28.4	29.2	27.3	22.1
N_d	380_775	6.59	5.99	2.13	0.447	0.407	6%		0.828	−0.355	0.01	0.0	0.0	0.0	176	0.33	−20.5	−20.2	−27.3	−22.1
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	163	1.0	−0.4	0.0	0.0	0.0

fgc31−8a

fgc30−7R_R