

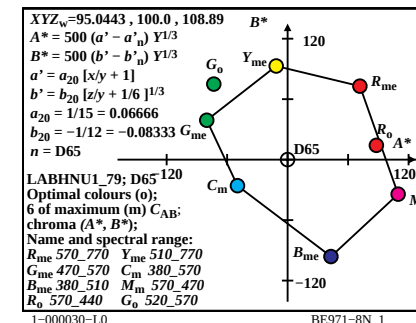
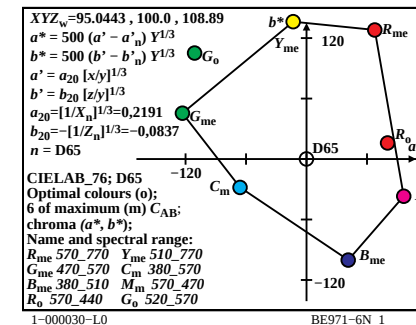
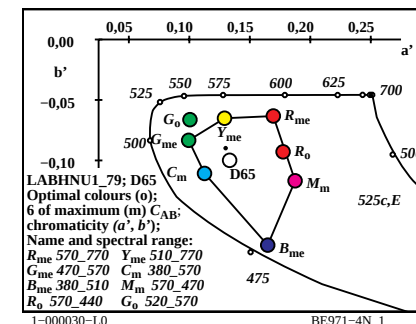
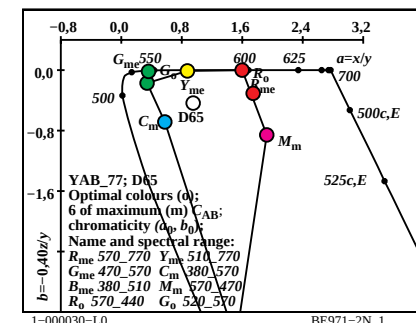
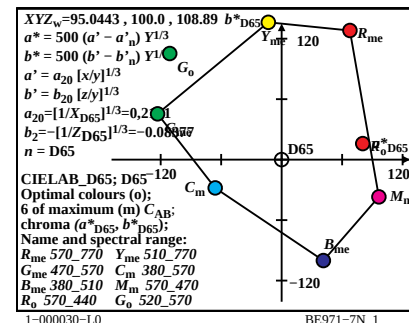
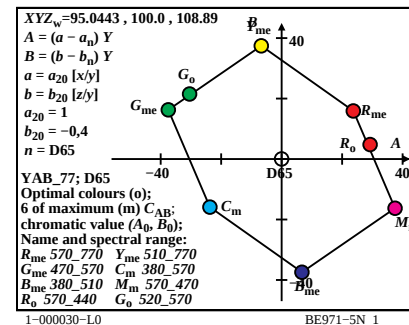
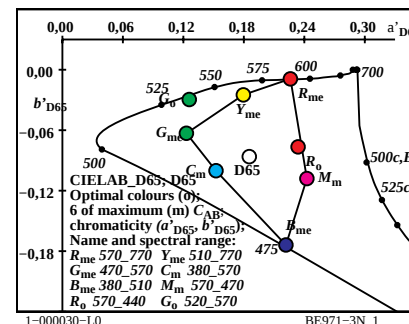
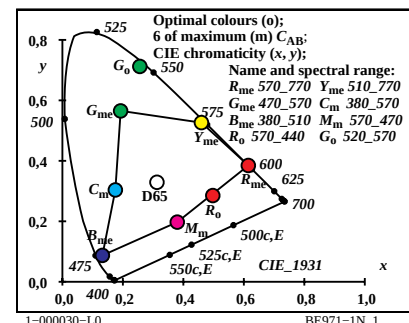
Optimal colours (o) RYGBM of maximum (m) C _{AB} ; D65, Y _m =510_770, CIEXYZ												
Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c	
R _{me} 570_770	58.46	36.56	0.04	0.6149	0.3845	0.0004	240.0	38	592	16	484	
Y _{me} 510_770	76.99	88.09	2.32	0.4599	0.5262	0.0138	213.4	33	568	13	467	
G _{me} 470_570	20.96	61.5	26.32	0.1927	0.5653	0.2419	207.4	22	512	-1	512c	
C _m 380_570	36.57	63.43	108.84	0.1751	0.3037	0.5211	212.0	16	484	38	592	
B _{me} 380_510	18.05	11.9	106.56	0.1322	0.0872	0.7805	228.8	13	467	33	568	
M _m 570_470	74.07	38.49	82.56	0.3796	0.1972	0.4231	251.1	-1	512c	22	512	
R _o 570_440	64.22	36.81	28.16	0.497	0.2849	0.2179	243.9	-1	489c	17	489	
G _o 520_570	18.52	51.52	2.27	0.2561	0.7123	0.0315	212.3	27	538	-1	538c	
W _i 380_770	95.04	100.0	108.89	0.3127	0.329	0.3582	0.0	-1	489c	-1	538c	
1-000030-L0 BE970-1N_1												

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; D65, Y _m =510_770, YAB_77												
Code	Y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c	
R _{me} 570_770	36.56	23.71	15.9	28.55	1.5989	-0.0004	33.8	38	592	16	484	
Y _{me} 510_770	88.09	-6.73	37.44	38.04	0.874	-0.0105	100.1	33	568	14	471	
G _{me} 470_570	61.5	-37.48	16.25	40.86	0.3408	-0.1712	156.5	23	515	-1	515c	
C _m 380_570	63.43	-23.71	-15.9	28.55	0.5766	-0.6863	213.8	16	484	38	592	
B _{me} 380_510	11.9	6.73	-37.43	38.04	1.5159	-3.5796	280.1	13	466	33	565	
M _m 570_470	38.49	37.48	-16.25	40.86	1.9242	-0.8579	336.5	-1	504c	20	504	
R _o 570_440	36.81	29.22	4.77	29.61	1.7443	-0.3059	9.2	-1	488c	17	488	
G _o 520_570	51.52	-30.44	21.53	37.29	0.3595	-0.0176	144.7	27	538	-1	538c	
W _i 380_770	100.0	0.0	0.0	0.01	0.9504	-0.4355	0.0	38	591	16	484	
1-000030-L0 BE970-3N_1												

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; D65, Y _m =510_770, CIELAB_76												
Code	L*	a*	b*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c	
R _{me} 570_770	66.95	67.68	114.73	133.21	0.2562	-0.009	59.4	39	595	15	476	
Y _{me} 510_770	95.2	-13.2	136.16	136.8	0.2095	-0.0249	95.5	33	567	14	471	
G _{me} 470_570	82.65	-123.0745	48.131.21	0.153	-0.0631	159.7	22	514	-1	514c		
C _m 380_570	83.67	-65.91	-28.12	71.66	0.1824	-0.1002	203.1	16	482	-1	482c	
B _{me} 380_510	41.08	41.4	-100.15	108.37	0.2517	-0.1739	292.4	13	467	31	555	
M _m 570_470	68.39	96.4	-36.87	103.21	0.2725	-0.108	339.0	-1	514c	22	514	
R _o 570_440	67.14	80.38	15.91	81.94	0.2638	-0.0766	11.2	-1	485c	17	485	
G _o 520_570	77.0	-110.92	105.14	152.83	0.1558	-0.0296	136.5	27	535	9	448	
W _i 380_770	100.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	-1	448c	-1	535c	
1-000030-L0 BE970-5N_1												

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; D65, Y _m =510_770, LABHNU1_79												
CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c	
R _{me} 570_770	66.95	71.73	72.88	102.27	0.1732	-0.0459	45.4	38	592	15	479	
Y _{me} 510_770	95.2	-11.33	92.83	93.52	0.1249	-0.0481	96.9	33	567	14	471	
G _{me} 470_570	82.65	-80.19	39.11	89.22	0.0893	-0.07	153.9	21	508	9	449	
C _m 380_570	83.67	-49.69	-25.9	56.03	0.1051	-0.1028	207.5	16	483	42	613	
B _{me} 380_510	41.08	43.03	-96.09	105.29	0.1677	-0.174	294.1	13	467	31	558	
M _m 570_470	68.39	109.59	-34.23	114.81	0.1949	-0.1101	342.6	7	438	20	501	
R _o 570_440	67.14	88.02	14.15	89.15	0.1829	-0.0813	9.1	-1	488c	17	488	
G _o 520_570	77.0	-73.28	74.96	104.83	0.0906	-0.0496	134.3	27	536	12	462	
W _i 380_770	100.0	0.0	0.0	0.0	0.13	-0.0899	0.0	-1	462c	-1	536c	
1-000030-L0 BE970-7N_1												

TUB-test chart BE97; Colorimetry of Ostwald optimal colours; K>256:1 input: w/rgb/cmyk->rgb
colour spaces CIEXYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Dxx; CIE 2 degree



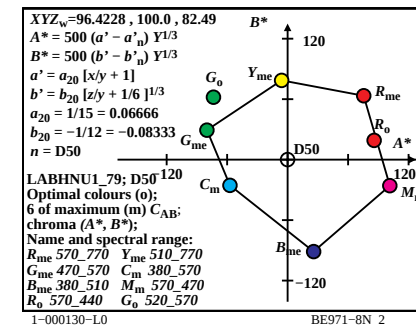
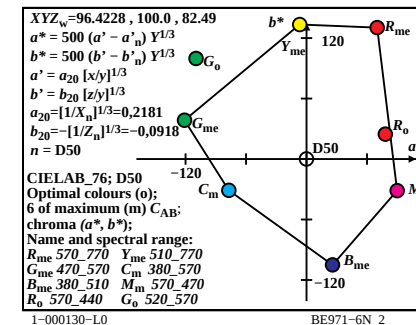
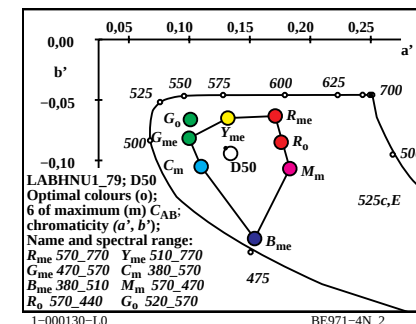
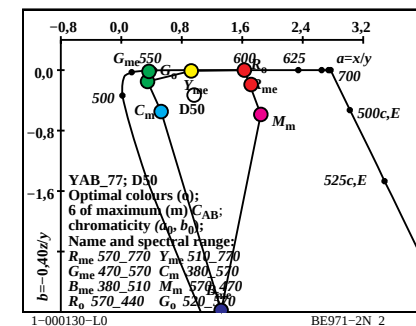
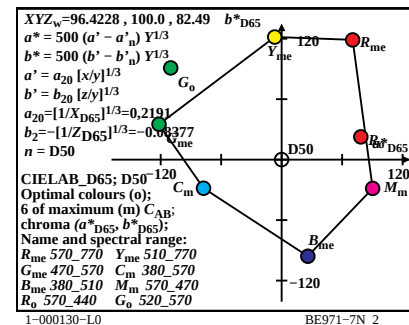
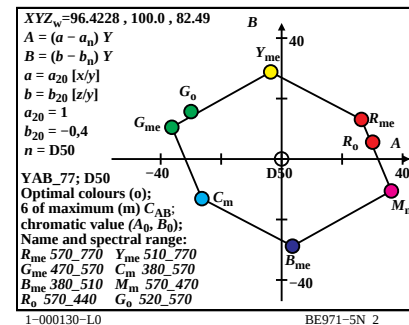
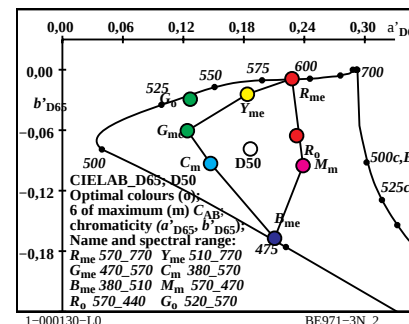
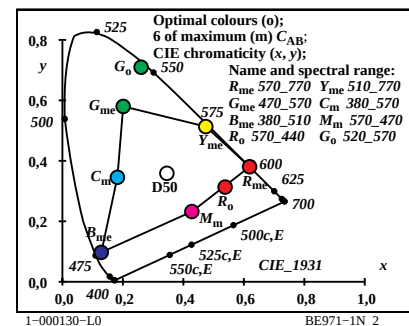
Optimal colours (o) RYGBM of maximum (m) C _{AB} ; D50, Y _m =510_770, CIEXYZ												
Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c	
R _{me} 570_770	64.7	39.75	0.04	0.6191	0.3804	0.0004	242.2	38	593	17	486	
Y _{me} 510_770	83.06	89.89	2.17	0.4742	0.5132	0.0124	217.1	34	570	13	468	
G _{me} 470_570	20.37	58.77	22.16	0.201	0.5801	0.2187	208.4	22	510	-1	510c	
C _m 380_570	31.71	60.24	82.44	0.1818	0.3454	0.4727	211.5	17	486	38	593	
B _{me} 380_510	13.35	10.1	80.31	0.1286	0.0973	0.7739	227.2	13	468	34	570	
M _m 570_470	76.05	41.22	60.33	0.4282	0.232	0.3396	250.8	-1	510c	22	510	
R _o 570_440	68.57	39.92	18.99	0.5378	0.3131	0.1489	245.1	54	671	18	490	
G _o 520_570	18.36	50.14	2.12	0.26	0.7098	0.0301	212.5	27	538	-1	538c	
W _i 380_770	96.42	100.0	82.49	0.3457	0.3585	0.2957	0.0	-1	490c	-1	538c	
1-000130-L0 BE970-1N_2												

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; D50, Y _m =510_770, YAB_77												
Code	Y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c	
R _{me} 570_770	39.75	26.36	13.1	29.44	1.6274	-0.0004	26.4	38	593	17	489	
Y _{me} 510_770	89.89	-3.61	28.79	29.01	0.924	-0.0096	97.1	34	570	14	472	
G _{me} 470_570	58.77	-36.3	10.53	37.79	0.3465	-0.1508	163.8	21	507	-1	507c	
C _m 380_570	60.24	-26.36	-13.1	29.44	0.5265	-0.5474	206.4	17	485	36	582	
B _{me} 380_510	10.1	3.61	-28.79	29.01	1.3217	-3.18	277.1	13	468	33	568	
M _m 570_470	41.22	36.3	-10.53	37.79	1.8449	-0.5854	343.8	-1	529c	25	529	
R _o 570_440	39.92	30.07	5.57	30.59	1.7175	-0.1902	10.5	-1	494c	18	494	
G _o 520_570	50.14	-29.98	15.69	33.83	0.3662	-0.0169	152.3	27	538	-1	538c	
W _i 380_770	100.0	0.0	0.0	0.01	0.9642	-0.3299	0.0	1	409	32	564	
1-000130-L0 BE970-3N_2												

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; D50, Y _m =510_770, CIELAB_76												
Code	L*	a*	b*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c	
R _{me} 570_770	69.3	70.07	118.74	137.87	0.2565	-0.0097	59.4	38	593	15	476	
Y _{me} 510_770	95.95	-6.79	133.4	133.58	0.2124	-0.0265	92.9	33	569	14	471	
G _{me} 470_570	81.17	-121.01	38.47	126.98	0.1532	-0.0663	162.3	22	514	-1	514c	
C _m 380_570	81.97	-77.11	-31.04	83.12	0.1761	-0.102	201.9	16	483	-1	483c	
B _{me} 380_510	38.04	25.8	-105.05	108.17	0.2393	-0.1834	283.7	13	469	32	563	
M _m 570_470	70.33	89.84	-31.34	95.15	0.2675	-0.1043	340.7	-1	516c	23	516	
R _o 570_440	69.42	78.11	24.68	81.92	0.2612	-0.0717	17.5	-1	484c	16	484	
G _o 520_570	76.16	-109.51	99.71	148.11	0.156	-0.032	137.6	27	538	8	442	
W _i 380_770	100.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	-1	442c	-1	538c	
1-000130-L0 BE970-5N_2												

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; D50, Y _m =510_770, LABHNU1_79												
CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c	
R _{me} 570_770	69.3	75.44	63.34	98.51	0.1751	-0.0459	40.0	38	593	16	481	
Y _{me} 510_770	95.95	-5.99	78.64	78.87	0.1282	-0.0479	94.3	34	570	14	471	
G _{me} 470_570	81.17	-80.03	29.31	85.23	0.0897	-0.068	159.8	21	508	8	441	
C _m 380_570	81.97	-57.18	-25.54	62.63	0.1017	-0.0961	204.0	17	486	42	613	
B _{me} 380_510	38.04	25.76	-91.17	94.74	0.1547	-0.1674	285.7	13	469	33	565	
M _m 570_470	70.33	101.39	-25.86	104.64	0.1896	-0.098	345.6	6	431	20	503	
R _o 570_440	69.42	85.81	19.13	87.91	0.1811	-0.0719	12.5	-1	489c	17	489	
G _o 520_570	76.16	-73.48	62.0	96.14	0.091	-0.0494	139.8	27	537	11	459	
W _i 380_770	100.0	0.0	0.0	0.0	0.1309	-0.0831	0.0	-1	459c	-1	537c	
1-000130-L0 BE970-7N_2												

TUB-test chart BE97; Colorimetry of Ostwald optimal colours; K>256:1 input: w/rgb/cmyk->rgb
colour spaces CIEXYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Dxx; CIE 2 degree



TUB registration: 20170801-BE97/BE97L0NP.PDF /.PS
application for measurement of display output

TUB material: code=rha4ta

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P45, Y_m=510_770, CIEXYZ

Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	68.74	42.11	0.05	0.6198	0.3797	0.0004	242.2	38	593	17	487
Y _{me} 510_770	86.81	90.72	2.07	0.4833	0.505	0.0115	216.8	34	571	13	468
G _{me} 470_570	19.85	56.58	20.04	0.2057	0.5864	0.2077	208.6	22	510	-1	510c
C _m 380_570	30.45	57.88	76.02	0.1853	0.3521	0.4625	211.4	17	487	38	593
B _{me} 380_510	12.38	9.27	73.99	0.1294	0.0969	0.7735	226.2	13	468	34	571
M _m 570_470	79.34	43.41	56.02	0.4438	0.2428	0.3133	250.6	-1	510c	22	510
R _o 570_440	72.85	42.29	20.12	0.5385	0.3126	0.1487	245.4	-1	491c	18	491
G _o 520_570	18.07	48.61	2.02	0.263	0.7075	0.0294	212.3	27	538	-1	538c
W _i 380_770	99.2	100.0	76.07	0.3603	0.3632	0.2763	0.0	-1	491c	-1	538c

1-000230-L0

BE970-1N_3

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P45, Y_m=510_770, YAB_77

Code	Y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	42.11	26.96	12.79	29.84	1.6324	-0.0004	25.3	38	593	18	490
Y _{me} 510_770	90.72	-3.18	26.77	26.96	0.9569	-0.0091	96.7	34	571	13	468
G _{me} 470_570	56.58	-36.28	9.2	37.43	0.3508	-0.1417	165.7	21	506	-1	506c
C _m 380_570	57.88	-26.96	-12.79	29.84	0.5261	-0.5253	205.3	17	486	36	582
B _{me} 380_510	9.27	3.18	-26.77	26.96	1.3357	-3.1915	276.7	13	468	34	571
M _m 570_470	43.41	36.28	-9.2	37.43	1.8278	-0.5162	345.7	-1	544c	28	544
R _o 570_440	42.29	30.89	4.81	31.27	1.7226	-0.1903	8.8	-1	498c	19	498
G _o 520_570	48.61	-30.15	13.98	33.23	0.3717	-0.0166	155.1	27	537	-1	537c
W _i 380_770	100.0	0.0	0.0	0.01	0.992	-0.3042	0.0	13	469	34	571

1-000230-L0

BE970-3N_3

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P45, Y_m=510_770, CIELAB_76

<i>Code</i>	<i>L</i> *	<i>a</i> *	<i>b</i> *	<i>C</i> * _{ab}	<i>a</i> '	<i>b</i> '	<i>h</i> _{ab}	<i>i</i> _d	λ _d ^c	<i>i</i> _c	λ _c ^c
R _{me} 570_770	70.95	67.67	121.54	139.11	0.2543	−0.01	60.8	38	592	15	476
Y _{me} 510_770	96.3	−5.78	133.33	133.45	0.2129	−0.0268	92.4	34	571	14	471
G _{me} 470_570	79.95	−121.06	37.19	126.65	0.1523	−0.0668	162.9	23	515	−1	515c
C _m 380_570	80.68	−79.38	−33.27	86.07	0.1744	−0.1033	202.7	16	483	−1	483c
B _{me} 380_510	36.52	23.57	−107.6	110.16	0.2379	−0.1886	282.3	13	469	33	565
M _m 570_470	71.84	85.52	−29.17	90.36	0.2641	−0.1027	341.1	−1	517c	23	517
R _o 570_440	71.07	75.78	21.72	78.83	0.2589	−0.0737	15.9	−1	485c	17	485
G _o 520_570	75.21	−109.68	97.46	146.73	0.1553	−0.0327	138.3	27	539	7	438
W ₁ 380_770	100.0	0.0	0.0	0.0	0.2154	−0.0861	0.0	−1	438c	−1	539c

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BE970-5N_3

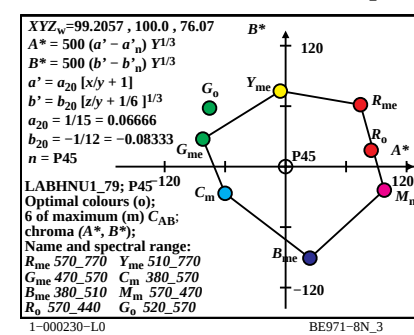
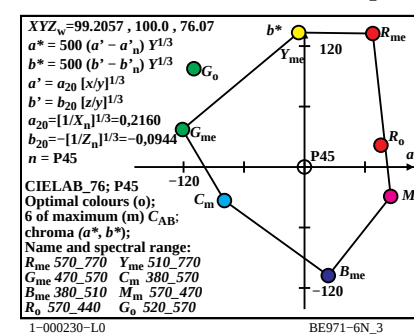
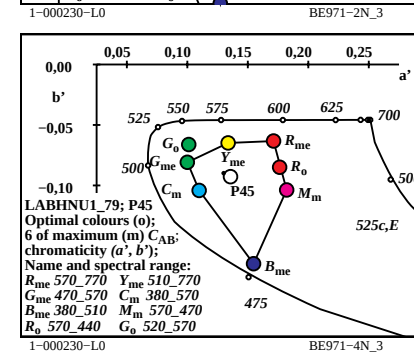
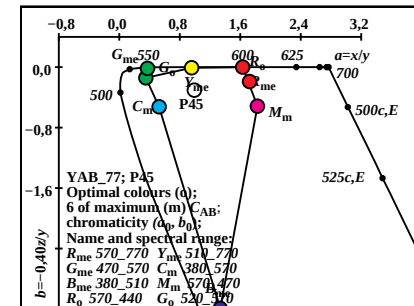
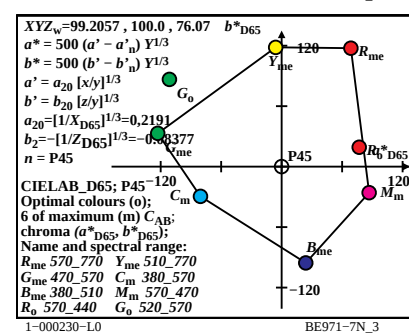
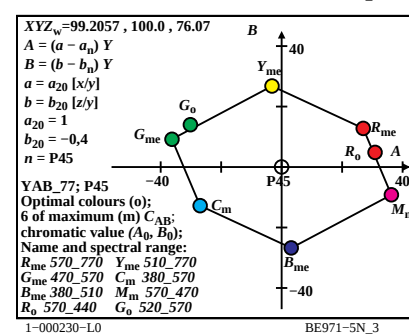
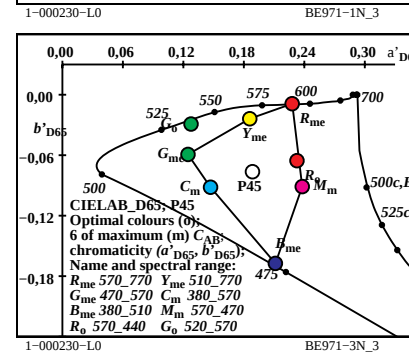
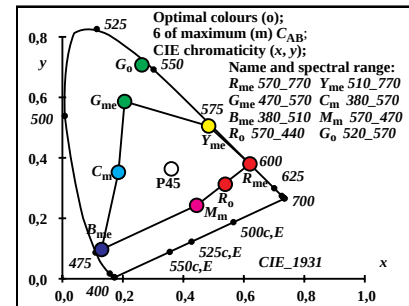
Optimal colours (o) RYGBM of maximum (m) C_{AB}; P45, Y_m=510_770, LABHNU1_79

CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	70.95	74.25	61.38	96.34	0.1754	-0.0459	39.5	38	593	16	482
Y _{me} 510_770	96.3	-5.26	75.01	75.19	0.1304	-0.0478	94.0	34	571	14	471
G _{me} 470_570	79.95	-82.04	27.27	86.45	0.09	-0.067	161.6	21	508	7	439
C _m 380_570	80.68	-60.06	-26.49	65.64	0.1017	-0.0949	203.8	17	486	42	612
B _{me} 380_510	36.52	24.06	-90.74	93.88	0.1557	-0.1676	284.8	13	469	33	567
M _m 570_470	71.84	97.89	-23.21	100.61	0.1885	-0.0944	346.6	5	429	20	504
R _o 570_440	71.07	84.83	16.29	86.38	0.1815	-0.0719	10.8	-1	490c	18	490
G _o 520_570	75.21	-75.45	58.13	95.25	0.0914	-0.0494	142.3	27	537	11	457
W _i 380_770	100.0	0.0	0.0	0.0	0.1328	-0.0812	0.0	-1	457c	-1	537c

1-000230-L0

BE970-7N_3

TUB-test chart BE97; Colorimetry of Ostwald optimal colours; K>256:1 input: w/rgb/cmyk->rgb
colour spaces CIEXYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Dxx; CIE 2 degree



Optimal colours (o) RYGBM of maximum (m) C_{AB}; A00, Y_m=510_770, CIEXYZ

Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	87.56	51.47	0.05	0.6295	0.37	0.0004	245.3	39	595	18	493
Y _{me} 510_770	104.45	94.31	1.62	0.5212	0.4706	0.0081	226.4	35	576	14	472
G _{me} 470_570	17.87	47.93	12.03	0.2296	0.6157	0.1545	209.5	21	509	-1	509c
C _m 380_570	22.27	48.52	35.52	0.2095	0.4563	0.334	210.4	18	493	39	595
B _{me} 380_510	5.39	5.68	33.95	0.1198	0.1262	0.7538	222.0	14	472	35	576
M _m 570_470	91.96	52.06	23.55	0.5487	0.3106	0.1405	249.5	-1	509c	21	509
R _o 570_440	89.02	51.53	7.2	0.6024	0.3487	0.0487	246.7	42	610	19	496
G _o 520_570	16.88	42.83	1.56	0.2754	0.6989	0.0256	211.5	27	538	-1	538c
W _i 380_770	109.84	99.99	35.58	0.4475	0.4074	0.1449	0.0	-1	496c	-1	538c

1-000330-L0

BE970-1N_4

Optimal colours (o) RYGBM of maximum (m) C_{AB}; A00, Y_m=510_770, YAB_77

Code	Y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	51.47	31.02	7.3	31.87	1.7012	-0.0004	13.2	-1	595c	39	595
Y _{me} 510_770	94.31	0.84	12.77	12.8	1.1074	-0.0069	86.2	16	482	35	577
G _{me} 470_570	47.93	-34.77	2.01	34.83	0.3729	-0.1003	176.6	20	500	32	562
C _m 380_570	48.52	-31.02	-7.3	31.87	0.4591	-0.2928	193.2	18	490	34	572
B _{me} 380_510	5.68	-0.84	-12.77	12.8	0.9493	-2.3882	266.2	14	472	35	579
M _m 570_470	52.06	34.77	-2.01	34.83	1.7663	-0.1809	356.6	-1	586c	37	586
R _o 570_440	51.53	32.41	4.45	32.71	1.7274	-0.0559	7.8	-1	591c	38	591
G _o 520_570	42.83	-30.17	5.46	30.66	0.394	-0.0146	169.7	22	510	29	547
W _i 380_770	99.99	0.0	0.0	0.01	1.0984	-0.1423	0.0	15	477	35	578

1-000330-L0

BE970-3N_4

Optimal colours (o) RYGBM of maximum (m) C_{AB}; A00, Y_m=510_770, CIELAB_76

Code	L*	a*	b*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c
R _{me} 570_770	76.97	62.89	131.8	146.04	0.2493	-0.0126	64.4	37	588	15	476
Y _{me} 510_770	97.76	1.33	124.56	124.57	0.216	-0.0314	89.3	35	576	14	471
G _{me} 470_570	74.78	-118.28	17.19	119.52	0.1503	-0.0767	171.7	22	514	-1	514c
C _m 380_570	75.16	-99.12	-42.72	107.93	0.1611	-0.1096	203.3	17	485	-1	485c
B _{me} 380_510	28.63	-9.11	-119.95	120.29	0.2052	-0.2206	265.6	14	472	35	578
M _m 570_470	77.32	69.0	-13.4	70.29	0.2524	-0.0933	349.0	-1	518c	23	518
R _o 570_440	77.0	65.29	42.89	78.12	0.2505	-0.0631	33.3	-1	482c	16	482
G _o 520_570	71.45	-109.07	80.06	135.3	0.1531	-0.0403	143.7	29	546	-1	546c
W _i 380_770	100.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	-1	482c	-1	546c

1-000330-L0

BE970-5N_4

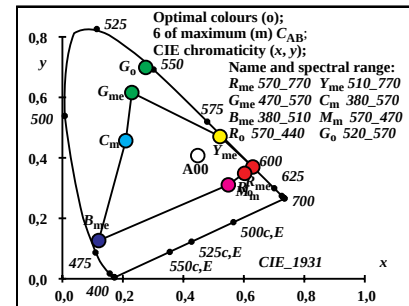
Optimal colours (o) RYGBM of maximum (m) C_{AB}; A00, Y_m=510_770, LABHNU1_79

CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c
R _{me} 570_770	76.97	74.73	39.34	84.45	0.18	-0.0459	27.7	39	595	17	487
Y _{me} 510_770	97.76	1.36	44.88	44.91	0.1404	-0.0473	88.2	35	576	14	471
G _{me} 470_570	74.78	-87.83	8.76	88.27	0.0915	-0.0622	174.2	21	508	-1	508c
C _m 380_570	75.16	-77.72	-24.25	81.42	0.0972	-0.0804	197.3	18	492	41	609
B _{me} 380_510	28.63	-8.87	-76.25	76.76	0.1299	-0.1525	263.3	14	472	35	577
M _m 570_470	77.32	83.12	-7.28	83.44	0.1844	-0.071	354.9	-1	508c	21	508
R _o 570_440	77.0	78.01	20.34	80.61	0.1818	-0.0561	14.6	43	618	18	493
G _o 520_570	71.45	-82.15	31.69	88.05	0.0929	-0.049	158.9	27	537	8	441
W _i 380_770	100.0	0.0	0.0	0.0	0.1398	-0.0671	0.0	-1	441c	-1	537c

1-000330-L0

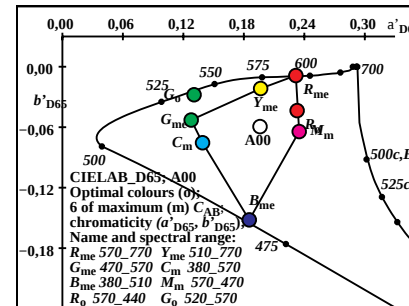
BE970-7N_4

TUB-test chart BE97; Colorimetry of Ostwald optimal colours; K>256:1 input: w/rgb/cmyk->rgb colour spaces CIEXYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Dxx; CIE 2 degree



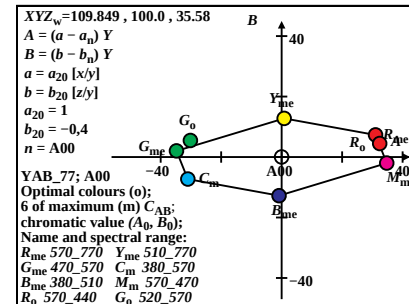
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BE971-1N_4



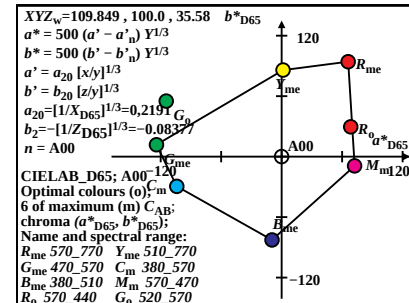
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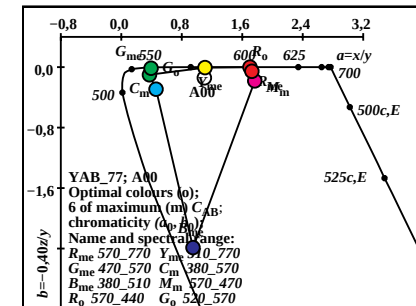
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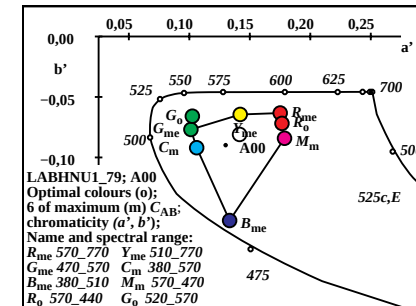
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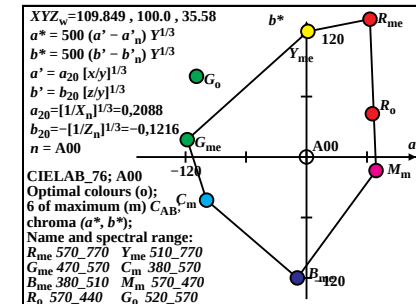
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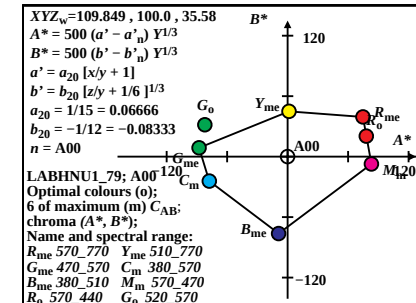
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BE971-6N_4



1-000330-L0

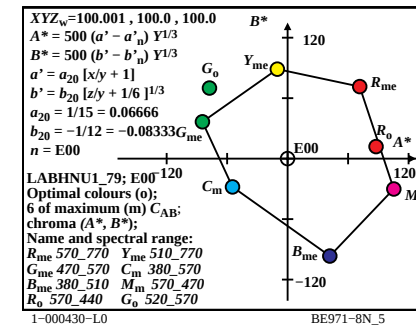
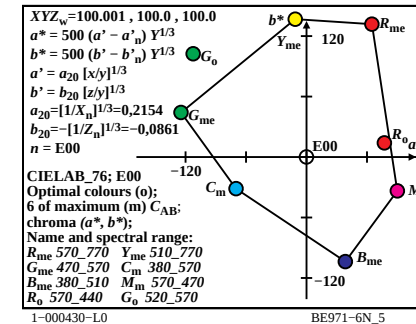
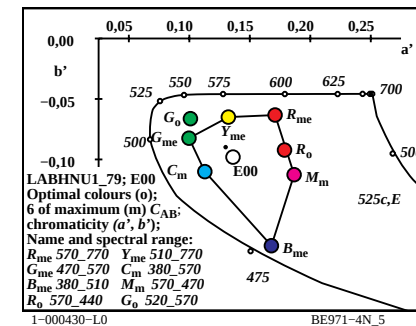
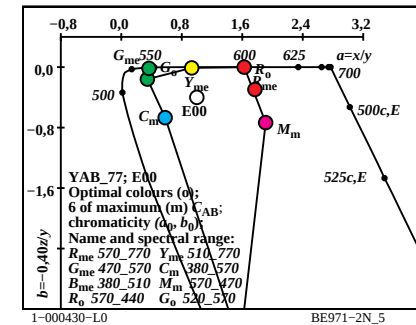
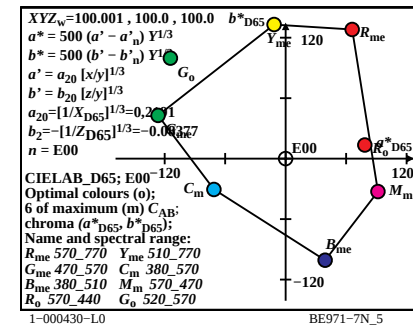
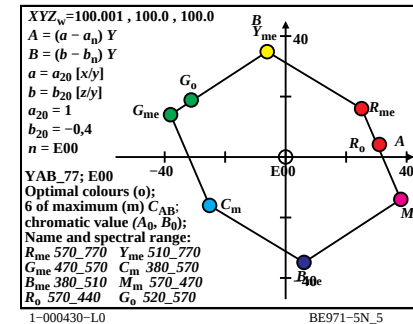
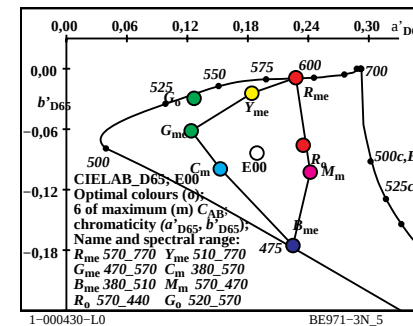
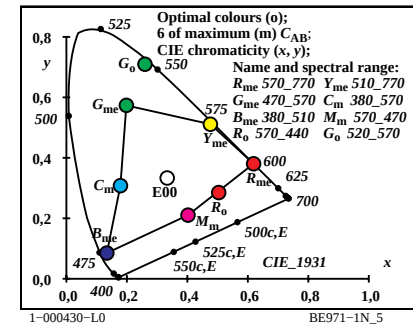
BE971-8N_4

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; E00, Y _m =510_770, CIEXYZ												
Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c	
R _{me} 570_770	65.25	40.12	0.04	0.6189	0.3805	0.0004	239.8	38	593	16	484	
Y _{me} 510_770	83.25	89.34	2.17	0.4763	0.5111	0.0124	212.4	34	570	13	466	
G _{me} 470_570	20.11	58.17	23.16	0.1982	0.5733	0.2283	207.6	22	512	-1	512c	
C _m 380_570	34.74	59.87	99.95	0.1785	0.3077	0.5136	211.5	16	484	38	593	
B _{me} 380_510	16.74	10.65	97.82	0.1337	0.0851	0.7811	227.0	13	466	34	570	
M _m 570_470	79.88	41.82	76.83	0.4023	0.2106	0.387	250.9	-1	512c	22	512	
R _o 570_440	71.38	40.38	29.98	0.5035	0.2849	0.2115	244.3	-1	490c	18	490	
G _o 520_570	18.0	49.21	2.12	0.2596	0.7097	0.0306	211.7	27	538	-1	538c	
W _i 380_770	100.0	100.0	100.0	0.3333	0.3333	0.3333	0.0	-1	490c	-1	538c	

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; E00, Y _m =510_770, YAB_77												
Code	Y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c	
R _{me} 570_770	40.12	25.12	16.03	29.8	1.6262	-0.0004	32.5	38	593	16	484	
Y _{me} 510_770	89.34	-6.08	34.86	35.39	0.9318	-0.0097	99.9	34	570	13	466	
G _{me} 470_570	58.17	-38.06	14.0	40.55	0.3457	-0.1592	159.7	22	512	-1	512c	
C _m 380_570	59.87	-25.12	-16.03	29.8	0.5803	-0.6677	212.5	16	484	38	593	
B _{me} 380_510	10.65	6.08	-34.86	35.39	1.5712	-3.6717	279.9	13	466	34	570	
M _m 570_470	41.82	38.06	-14.0	40.55	1.91	-0.7348	339.7	-1	512c	22	512	
R _o 570_440	40.38	30.99	4.16	31.27	1.7674	-0.2969	7.6	-1	490c	18	490	
G _o 520_570	49.21	-31.21	18.83	36.45	0.3657	-0.0172	148.8	27	538	-1	538c	
W _i 380_770	100.0	0.0	0.0	0.01	1.0	-0.4	0.0	29	549	-1	549c	

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; E00, Y _m =510_770, CIELAB_76												
Code	L*	a*	b*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c	
R _{me} 570_770	69.56	64.88	119.18	135.7	0.2533	-0.0091	61.4	38	594	15	476	
Y _{me} 510_770	95.72	-11.19	136.73	137.18	0.2104	-0.0249	94.6	33	569	14	471	
G _{me} 470_570	80.84	-124.4	44.12	131.99	0.1512	-0.0634	160.4	22	514	-1	514c	
C _m 380_570	81.77	-69.89	-31.39	76.62	0.1797	-0.1022	204.1	16	482	-1	482c	
B _{me} 380_510	39.01	38.51	-103.69	110.61	0.2505	-0.1804	290.3	13	467	31	559	
M _m 570_470	70.75	90.0	-33.61	96.07	0.2673	-0.1055	339.5	-1	515c	23	515	
R _o 570_440	69.75	77.25	13.97	78.51	0.2605	-0.078	10.2	-1	486c	17	486	
G _o 520_570	75.59	-112.42	102.43	152.09	0.154	-0.0302	137.6	27	536	8	443	
W _i 380_770	100.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	-1	443c	-1	536c	

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; E00, Y _m =510_770, LABHNU1_79												
CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c	
R _{me} 570_770	69.56	71.45	71.46	101.06	0.175	-0.0459	45.0	38	593	15	479	
Y _{me} 510_770	95.72	-10.15	88.79	89.37	0.1287	-0.0479	96.5	34	570	14	470	
G _{me} 470_570	80.84	-84.48	36.49	92.03	0.0897	-0.0688	156.6	21	508	9	446	
C _m 380_570	81.77	-54.72	-27.99	61.46	0.1053	-0.102	207.0	16	483	42	614	
B _{me} 380_510	39.01	41.89	-96.59	105.28	0.1714	-0.1755	293.4	13	467	32	561	
M _m 570_470	70.75	105.28	-30.07	109.49	0.194	-0.105	344.0	7	435	20	502	
R _o 570_440	69.75	87.75	12.01	88.57	0.1844	-0.0807	7.7	-1	489c	17	489	
G _o 520_570	75.59	-77.46	69.99	104.4	0.091	-0.0495	137.9	27	537	12	460	
W _i 380_770	100.0	0.0	0.0	0.0	0.1333	-0.0877	0.0	-1	460c	-1	537c	



Optimal colours (o) RYGBM of maximum (m) C_{AB}; C00, Y_m=510_770, CIEXYZ

Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	59.61	37.31	0.04	0.6147	0.3847	0.0004	238.4	38	592	16	483
Y _{me} 510_770	78.29	87.66	2.16	0.4656	0.5214	0.0128	211.9	33	568	13	466
G _{me} 470_570	21.29	60.61	27.67	0.1942	0.5531	0.2525	207.1	22	513	-1	513c
C _m 380_570	38.45	62.68	118.17	0.1753	0.2858	0.5388	212.0	16	483	38	592
B _{me} 380_510	19.77	12.33	116.05	0.1334	0.0832	0.7833	228.2	13	466	33	568
M _m 570_470	76.77	39.38	90.54	0.3714	0.1905	0.438	250.6	-1	513c	22	513
R _o 570_440	66.25	37.6	32.54	0.4857	0.2756	0.2385	242.9	-1	488c	17	488
G _o 520_570	18.68	50.35	2.12	0.2625	0.7076	0.0298	212.0	27	539	-1	539c
W _i 380_770	98.07	100.0	118.22	0.31	0.3161	0.3737	0.0	-1	488c	-1	539c

1-000530-L0 BE970-1N_6

Optimal colours (o) RYGBM of maximum (m) C_{AB}; C00, Y_m=510_770, YAB_77

Code	Y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	37.31	23.02	17.62	28.99	1.5977	-0.0004	37.4	38	592	16	482
Y _{me} 510_770	87.66	-7.68	40.59	41.31	0.893	-0.0098	100.7	33	568	13	469
G _{me} 470_570	60.61	-38.15	17.59	42.01	0.3512	-0.1826	155.2	23	516	-1	516c
C _m 380_570	62.68	-23.02	-17.62	28.99	0.6134	-0.754	217.4	16	483	40	600
B _{me} 380_510	12.33	7.68	-40.59	41.31	1.6036	-3.7648	280.7	13	466	33	567
M _m 570_470	39.38	38.15	-17.59	42.01	1.9495	-0.9196	335.2	-1	501c	20	501
R _o 570_440	37.6	29.37	4.76	29.76	1.7619	-0.3461	9.2	-1	486c	17	486
G _o 520_570	50.35	-30.7	22.96	38.34	0.3709	-0.0168	143.2	27	539	-1	539c
W _i 380_770	100.0	0.0	0.0	0.01	0.9807	-0.4729	0.0	35	576	15	476

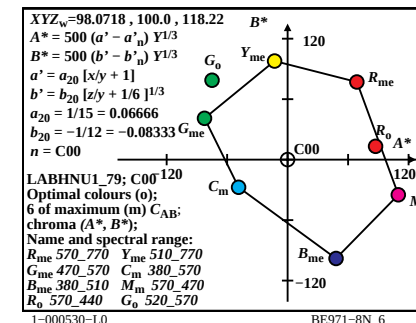
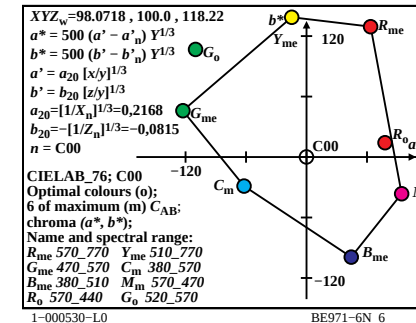
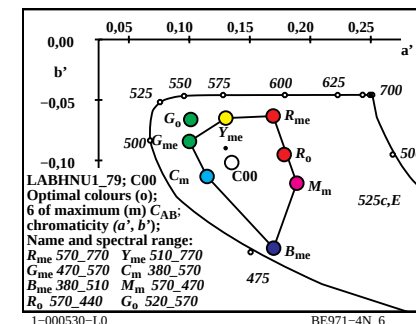
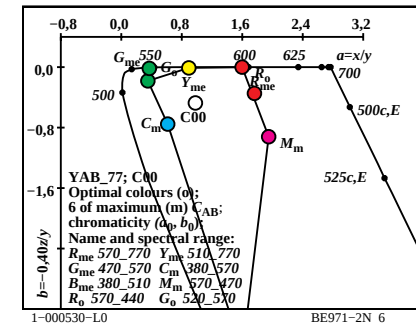
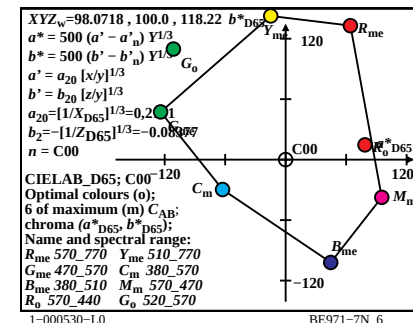
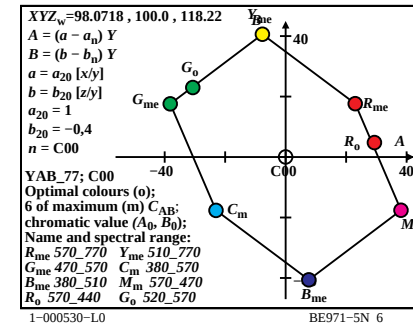
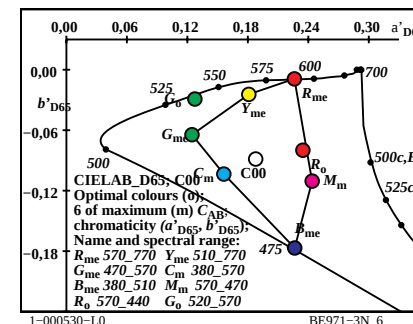
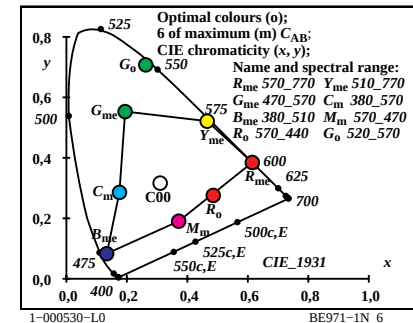
1-000530-L0 BE970-3N_6

Optimal colours (o) RYGBCM of maximum (m) C _{AB} ; C00, Y _m =510_770, CIELAB_76											
Code	L*	a*	b*	C* _{ab}	a'	b'	h _{ab}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	67.51	63.58	115.68	132.0	0.2535	-0.0087	61.2	39	595	15	475
Y _{me} 510_770	95.02	-14.69	138.59	139.36	0.2088	-0.0237	96.0	33	568	14	471
G _{me} 470_570	82.17	-122.6245	99.130.96	0.153	-0.0627	159.4	22	513	-1	513c	
C _m 380_570	83.28	-61.94	-28.8	68.31	0.1842	-0.1006	204.9	16	481	-1	481c
B _{me} 380_510	41.75	44.31	-99.2	108.65	0.2538	-0.1721	294.0	13	467	30	554
M _m 570_470	69.03	94.31	-36.38	101.09	0.2709	-0.1075	338.9	-1	514c	22	514
R _o 570_440	67.73	77.82	14.25	79.11	0.2619	-0.0776	10.3	-1	485c	17	485
G _o 520_570	76.29	-110.07	106.67	153.28	0.1558	-0.0283	135.8	27	536	9	449
W _i 380_770	100.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	-1	449c	-1	536c
1-000530-L0								BE970-5N_6			

Optimal colours (o) RYGBM of maximum (m) C_{AB}; C00, Y_m=510_770, LABHNU1_79

CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	67.51	68.71	77.01	103.21	0.1731	-0.0459	48.2	38	592	15	478
Y _{me} 510_770	95.02	-12.97	97.82	98.68	0.1262	-0.048	97.5	33	568	14	470
G _{me} 470_570	82.17	-82.41	41.02	92.05	0.09	-0.0711	153.5	21	508	10	450
C _m 380_570	83.28	-48.62	-27.43	55.82	0.1075	-0.1058	209.4	16	482	42	613
B _{me} 380_510	41.75	47.97	-98.05	109.15	0.1735	-0.1769	296.0	13	467	31	557
M _m 570_470	69.03	109.86	-34.87	115.26	0.1966	-0.1125	342.3	7	439	20	501
R _o 570_440	67.73	87.23	13.16	88.22	0.1841	-0.0842	8.5	-1	488c	17	488
G _o 520_570	76.29	-75.04	78.71	108.75	0.0913	-0.0494	133.6	27	537	12	462
W _i 380_770	100.0	0.0	0.0	0.0	0.132	-0.092	0.0	-1	462c	-1	537c

1-000530-L0 BE970-7N_6



Optimal colours (o) RYGBM of maximum (m) C_{AB}; P00, Y_m=510_770, CIEXYZ

Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	70.94	43.03	0.05	0.6221	0.3773	0.0004	241.3	38	593	17	486
Y _{me} 510_770	88.69	90.69	2.03	0.4888	0.4999	0.0112	214.8	34	572	13	468
G _{me} 470_570	19.55	55.59	20.13	0.2052	0.5834	0.2113	208.2	22	511	-1	511c
C _m 380_570	31.12	56.96	81.01	0.184	0.3368	0.479	211.2	17	486	38	593
B _{me} 380_510	13.37	9.3	79.02	0.1315	0.0914	0.777	225.6	13	468	34	572
M _m 570_470	82.5	44.4	60.92	0.4392	0.2364	0.3243	250.6	-1	511c	22	511
R _o 570_440	75.62	43.23	22.92	0.5333	0.3049	0.1616	245.0	-1	491c	18	491
G _o 520_570	17.75	47.66	1.98	0.2633	0.7072	0.0294	211.8	27	538	-1	538c
W _i 380_770	102.06	100.0	81.06	0.3604	0.3531	0.2863	0.0	-1	491c	-1	538c

1-000630-L0

BE970-1N_7

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P00, Y_m=510_770, YAB_77

Code	Y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	43.03	27.02	13.93	30.4	1.6486	-0.0004	27.2	38	593	17	488
Y _{me} 510_770	90.69	-3.87	28.59	28.85	0.9778	-0.0089	97.7	34	572	12	461
G _{me} 470_570	55.59	-37.18	9.97	38.49	0.3518	-0.1448	164.9	21	507	-1	507c
C _m 380_570	56.96	-27.02	-13.93	30.4	0.5463	-0.5687	207.2	17	485	37	587
B _{me} 380_510	9.3	3.87	-28.59	28.85	1.4376	-3.3976	277.7	13	468	34	573
M _m 570_470	44.4	37.18	-9.97	38.49	1.858	-0.5488	344.9	-1	540c	28	540
R _o 570_440	43.23	31.49	4.84	31.86	1.7492	-0.2121	8.7	-1	496c	19	496
G _o 520_570	47.66	-30.9	14.66	34.2	0.3723	-0.0166	154.6	27	538	-1	538c
W _i 380_770	100.0	0.0	0.0	0.01	1.0206	-0.3242	0.0	15	476	35	576

1-000630-L0

BE970-3N_7

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P00, Y_m=510_770, CIELAB_76

Code	L*	a*	b*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c
R _{me} 570_770	71.58	65.41	122.62	138.98	0.2528	-0.0097	61.9	38	593	15	476
Y _{me} 510_770	96.28	-6.85	134.96	135.13	0.2124	-0.026	92.9	34	572	14	471
G _{me} 470_570	79.38	-122.84	38.72	128.8	0.151	-0.0658	162.5	23	515	-1	515c
C _m 380_570	80.16	-77.93	-34.15	85.08	0.1749	-0.1039	203.6	16	482	-1	482c
B _{me} 380_510	36.58	27.38	-107.66	111.09	0.2415	-0.1886	284.2	13	468	33	565
M _m 570_470	72.5	84.29	-29.25	89.23	0.263	-0.1027	340.8	-1	517c	23	517
R _o 570_440	71.71	74.35	19.94	76.98	0.2578	-0.0748	15.0	-1	485c	17	485
G _o 520_570	74.61	-111.45	98.09	148.47	0.1539	-0.032	138.6	27	539	7	437
W _i 380_770	100.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	-1	437c	-1	539c

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BE970-5N_7

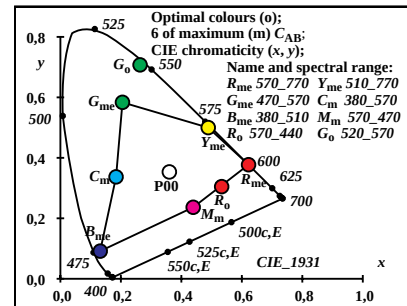
Optimal colours (o) RYGBM of maximum (m) C_{AB}; P00, Y_m=510_770, LABHNU1_79

CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c
R _{me} 570_770	71.58	73.33	64.34	97.56	0.1765	-0.0459	41.2	38	593	16	481
Y _{me} 510_770	96.28	-6.4	78.3	78.56	0.1318	-0.0478	94.6	34	572	14	470
G _{me} 470_570	79.38	-85.07	29.2	89.95	0.0901	-0.0673	161.0	21	508	8	440
C _m 380_570	80.16	-60.82	-27.96	66.94	0.103	-0.0972	204.6	17	485	42	614
B _{me} 380_510	36.58	29.22	-92.98	97.46	0.1625	-0.1711	287.4	13	468	33	567
M _m 570_470	72.5	98.82	-23.91	101.67	0.1905	-0.0962	346.3	5	429	20	504
R _o 570_440	71.71	85.22	15.46	86.61	0.1832	-0.0738	10.2	-1	490c	18	490
G _o 520_570	74.61	-78.33	60.35	98.89	0.0914	-0.0494	142.3	27	537	11	457
W _i 380_770	100.0	0.0	0.0	0.0	0.1347	-0.0826	0.0	-1	457c	-1	537c

1-000630-L0

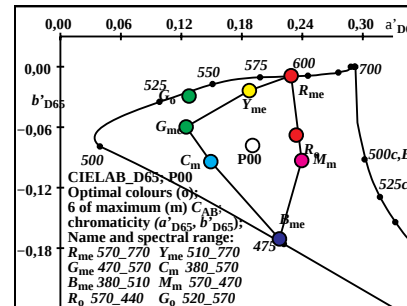
BE970-7N_7

TUB-test chart BE97; Colorimetry of Ostwald optimal colours; K>256:1 input: w/rgb/cmyk->rgb colour spaces CIEXYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Dxx; CIE 2 degree



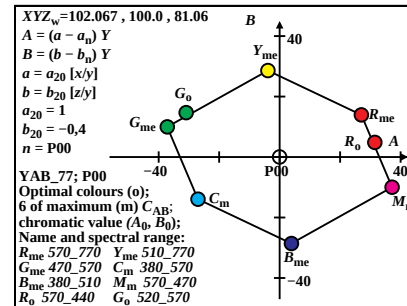
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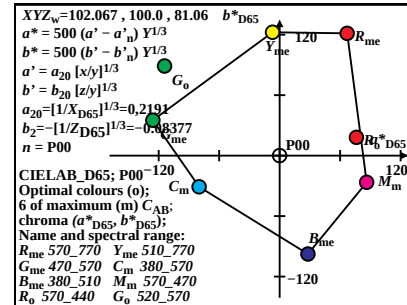
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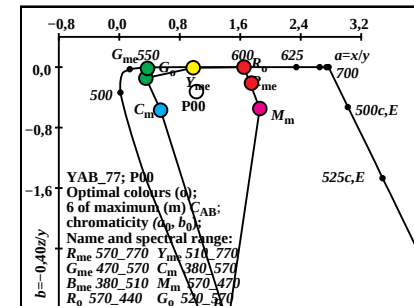
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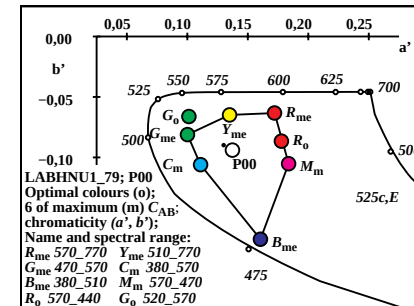
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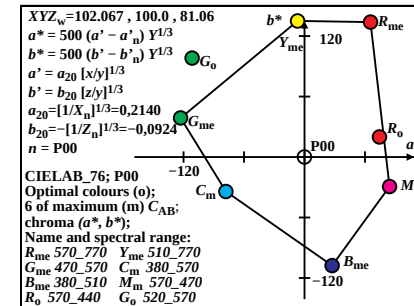
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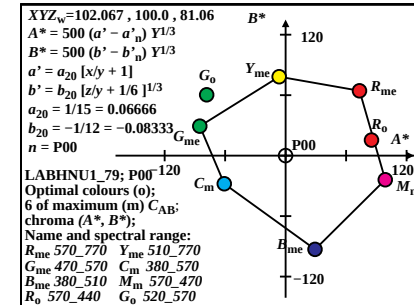
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BE971-4N_7



1-000630-L0

BE971-6N_7



1-000630-L0

BE971-8N_7

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; Q00, Y _m =510_770, CIEXYZ												
Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c	
R _{me} 570_770	59.56	37.21	0.04	0.6151	0.3843	0.0004	238.5	38	592	16	483	
Y _{me} 510_770	77.81	87.98	2.31	0.4628	0.5233	0.0137	210.8	33	568	13	465	
G _{me} 470_570	20.67	60.76	26.2	0.192	0.5645	0.2434	206.9	22	513	-1	513c	
C _m 380_570	38.37	62.78	118.9	0.1743	0.2852	0.5403	211.9	16	483	38	592	
B _{me} 380_510	20.11	12.01	116.64	0.1352	0.0807	0.784	228.5	13	465	33	568	
M _m 570_470	77.25	39.23	92.75	0.3692	0.1875	0.4432	251.2	-1	513c	22	513	
R _o 570_440	67.13	37.53	37.04	0.4737	0.2648	0.2613	243.7	-1	489c	17	489	
G _o 520_570	18.25	50.77	2.26	0.256	0.7121	0.0317	211.7	27	538	-1	538c	
W _i 380_770	97.93	100.0	118.95	0.309	0.3155	0.3753	0.0	-1	489c	-1	538c	

1-000730-L0

BE970-1N_8

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; Q00, Y _m =510_770, YAB_77												
Code	Y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c	
R _{me} 570_770	37.21	23.11	17.68	29.1	1.6004	-0.0004	37.4	38	592	16	482	
Y _{me} 510_770	87.98	-8.35	40.94	41.78	0.8843	-0.0105	101.5	33	568	13	468	
G _{me} 470_570	60.76	-38.83	18.43	42.98	0.3402	-0.1724	154.6	23	517	-1	517c	
C _m 380_570	62.78	-23.11	-17.68	29.1	0.6111	-0.7575	217.4	16	483	40	601	
B _{me} 380_510	12.01	8.35	-40.94	41.78	1.6748	-3.8842	281.5	13	465	33	566	
M _m 570_470	39.23	38.83	-18.43	42.98	1.969	-0.9456	334.6	-1	501c	20	501	
R _o 570_440	37.53	30.37	3.04	30.52	1.7884	-0.3946	5.7	-1	487c	17	487	
G _o 520_570	50.77	-31.46	23.25	39.12	0.3595	-0.0178	143.5	27	538	-1	538c	
W _i 380_770	100.0	0.0	0.0	0.01	0.9793	-0.4758	0.0	35	576	15	476	

1-000730-L0

BE970-3N_8

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; Q00, Y _m =510_770, CIELAB_76												
Code	L*	a*	b*	C* _{ab}	a'	b'	h _{ab}	i _d	λ _d	i _c	λ _c	
R _{me} 570_770	67.44	63.96	115.56	132.08	0.2538	-0.0087	61.0	39	595	15	475	
Y _{me} 510_770	95.16	-16.01	137.78	138.71	0.2082	-0.0241	96.6	33	567	14	471	
G _{me} 470_570	82.25	-125.74	48.6	134.81	0.1514	-0.0614	158.8	22	514	-1	514c	
C _m 380_570	83.33	-62.25	-28.71	68.56	0.1841	-0.1006	204.7	16	481	-1	481c	
B _{me} 380_510	41.25	48.29	-99.99	111.04	0.2576	-0.1735	295.7	13	466	30	553	
M _m 570_470	68.92	95.94	-37.66	103.07	0.2719	-0.1083	338.5	-1	514c	22	514	
R _o 570_440	67.68	80.17	8.71	80.65	0.2633	-0.0809	6.2	-1	487c	17	487	
G _o 520_570	76.54	-113.24	106.05	155.14	0.1542	-0.0288	136.8	27	535	9	447	
W _i 380_770	100.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	-1	447c	-1	535c	

1-000730-L0

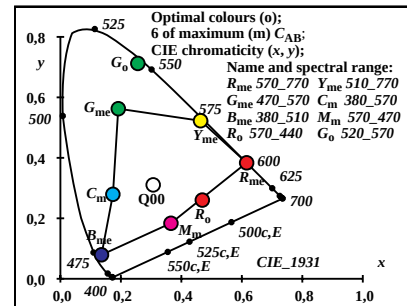
BE970-5N_8

Optimal colours (o) RYGBM of maximum (m) C _{AB} ; Q00, Y _m =510_770, LABHNU1_79												
CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ _d	i _c	λ _c	
R _{me} 570_770	67.44	69.11	77.22	103.63	0.1733	-0.0459	48.1	38	592	15	478	
Y _{me} 510_770	95.16	-14.07	98.02	99.02	0.1256	-0.0481	98.1	33	568	14	470	
G _{me} 470_570	82.25	-83.73	43.31	94.27	0.0893	-0.0702	152.6	21	509	10	451	
C _m 380_570	83.33	-48.76	-27.41	55.94	0.1074	-0.106	209.3	16	482	42	613	
B _{me} 380_510	41.25	53.08	-99.09	112.41	0.1783	-0.1787	298.1	13	466	31	555	
M _m 570_470	68.92	112.09	-36.21	117.79	0.1979	-0.1135	342.0	7	439	20	501	
R _o 570_440	67.68	90.3	8.11	90.66	0.1858	-0.0873	5.1	-1	489c	17	489	
G _o 520_570	76.54	-76.49	78.86	109.86	0.0906	-0.0496	134.1	27	536	12	462	
W _i 380_770	100.0	0.0	0.0	0.0	0.1319	-0.0922	0.0	-1	462c	-1	536c	

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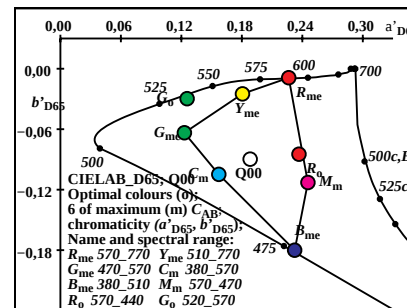
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TUB-test chart BE97; Colorimetry of Ostwald optimal colours; K>256:1 input: w/rgb/cmyk->rgb
colour spaces CIEXYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Dxx; CIE 2 degree



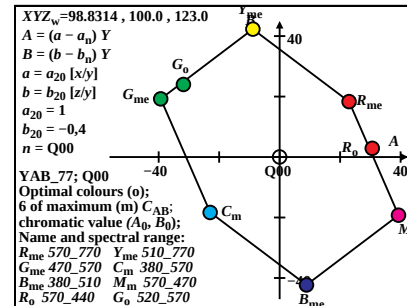
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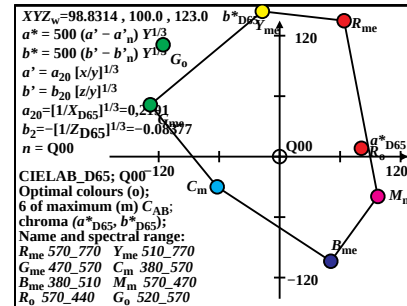
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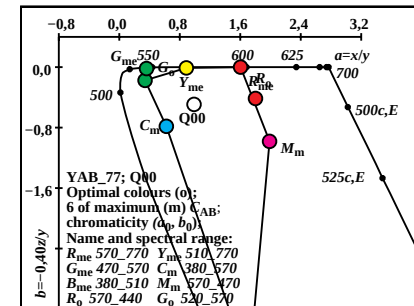
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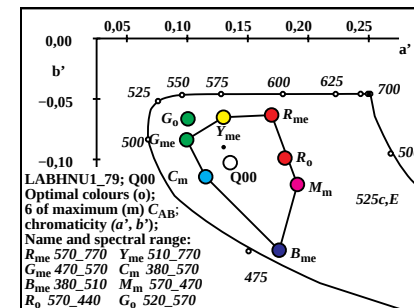
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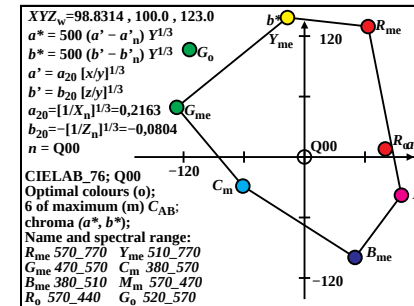
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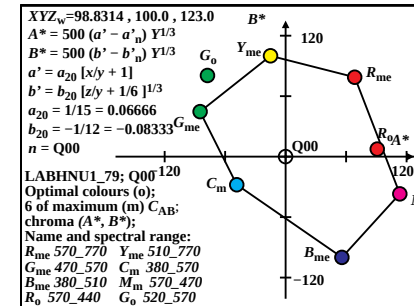
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1-000730-L0

BE971-6N_8



1-000730-L0

BE971-8N_8