

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P60, Y_m=510_770, CIE XYZ

Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	61.29	38.19	0.04	0.6158	0.3837	0.0004	239.9	38	592	16	484
Y _{me} 510_770	79.6	88.72	2.26	0.4666	0.52	0.0132	212.8	33	569	13	466
G _{me} 470_570	20.55	60.02	24.55	0.1954	0.5709	0.2335	207.5	22	512	-1	512c
C _m 380_570	35.77	61.8	104.52	0.1769	0.3058	0.5171	211.9	16	484	38	592
B _{me} 380_510	17.46	11.27	102.3	0.1332	0.086	0.7806	228.1	13	466	33	569
M _m 570_470	76.51	39.97	80.02	0.3893	0.2034	0.4071	251.0	-1	512c	22	512
R _o 570_440	67.57	38.46	30.7	0.4941	0.2812	0.2245	244.3	-1	490c	18	490
G _o 520_570	18.3	50.53	2.22	0.2576	0.7111	0.0312	212.1	27	538	-1	538c
W _i 380_770	97.06	99.99	104.57	0.3218	0.3315	0.3466	0.0	-1	490c	-1	538c

1-000030-L0

BE980-1N_1

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P60, 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	38.19	24.22	15.95	29.0	1.6049	-0.0004	33.3	38	592	16	484
Y _{me} 510_770	88.72	-6.52	36.2	36.78	0.8971	-0.0102	100.2	33	569	13	466
G _{me} 470_570	60.02	-37.71	15.28	40.69	0.3423	-0.1636	157.9	22	514	-1	514c
C _m 380_570	61.8	-24.22	-15.95	29.0	0.5787	-0.6764	213.3	16	484	38	592
B _{me} 380_510	11.27	6.52	-36.2	36.78	1.5492	-3.6297	280.2	13	466	33	567
M _m 570_470	39.97	37.71	-15.28	40.69	1.914	-0.8006	337.9	-1	507c	21	507
R _o 570_440	38.46	30.23	3.8	30.47	1.7568	-0.3193	7.1	-1	489c	17	489
G _o 520_570	50.53	-30.74	20.24	36.81	0.3622	-0.0175	146.6	27	538	-1	538c
W _i 380_770	99.99	0.0	0.0	0.01	0.9706	-0.4182	0.0	38	593	16	484

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BE980-3N_1

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P60, 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	68.17	66.18	116.8	134.25	0.2547	-0.0091	60.4	38	594	15	476
Y _{me} 510_770	95.46	-12.44	136.33	136.89	0.2098	-0.025	95.2	33	568	14	471
G _{me} 470_570	81.85	-123.7445	51.31	131.78	0.1522	-0.063	159.8	22	514	-1	514c
C _m 380_570	82.81	-67.42	-29.6	73.63	0.1813	-0.1011	203.7	16	482	-1	482c
B _{me} 380_510	40.05	40.71	-101.9	109.73	0.2518	-0.1771	291.7	13	467	31	556
M _m 570_470	69.46	93.53	-35.59	100.08	0.2702	-0.107	339.1	-1	515c	23	515
R _o 570_440	68.36	79.5	12.51	80.48	0.2625	-0.0787	8.9	-1	486c	17	486
G _o 520_570	76.4	-111.5	103.84	152.36	0.1551	-0.0299	137.0	27	536	9	446
W _i 380_770	100.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	-1	446c	-1	536c

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BE980-5N_1

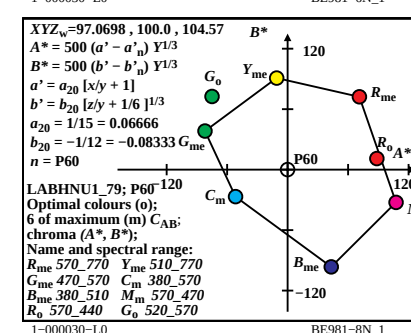
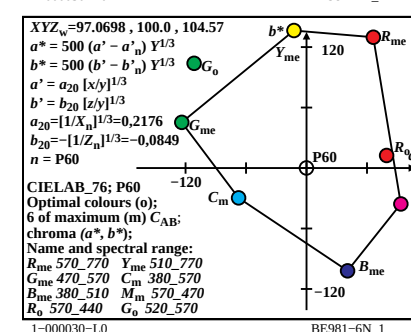
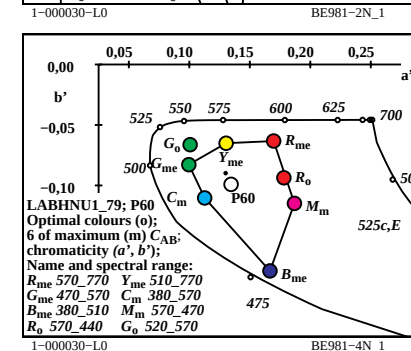
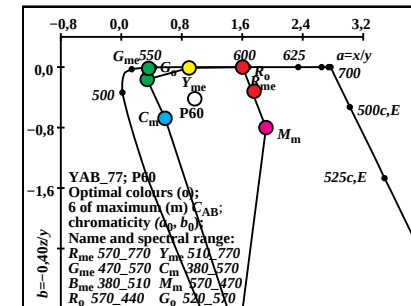
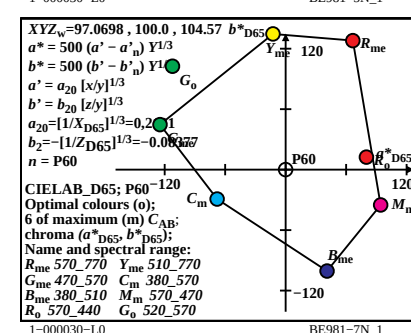
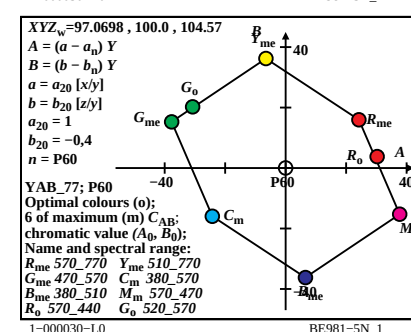
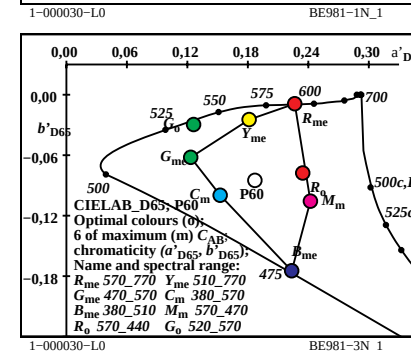
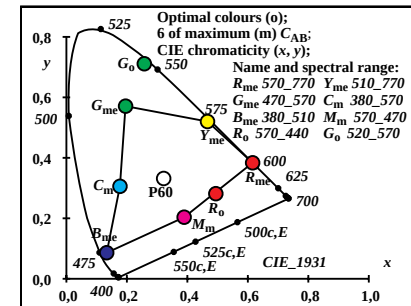
Optimal colours (o) RYGBM of maximum (m) C_{AB}; P60, Y_m=510_770, LABHNU1_79

CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	68.17	71.18	72.19	101.39	0.1736	-0.0459	45.4	38	592	15	479
Y _{me} 510_770	95.46	-10.92	90.88	91.54	0.1264	-0.048	96.8	33	568	14	471
G _{me} 470_570	81.85	-81.99	38.23	90.46	0.0894	-0.0693	154.9	21	508	9	448
C _m 380_570	82.81	-51.64	-26.85	58.2	0.1052	-0.1024	207.4	16	483	42	613
B _{me} 380_510	40.05	43.23	-96.41	105.66	0.1699	-0.1748	294.1	13	467	31	559
M _m 570_470	69.46	107.5	-32.47	112.3	0.1942	-0.1078	343.1	7	437	20	502
R _o 570_440	68.36	88.44	10.98	89.12	0.1837	-0.0823	7.0	-1	489c	17	489
G _o 520_570	76.4	-74.97	72.59	104.35	0.0908	-0.0495	135.9	27	537	12	461
W _i 380_770	100.0	0.0	0.0	0.0	0.1313	-0.0888	0.0	-1	461c	-1	537c

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BE980-7N_1

TUB-test chart BE98; Colorimetry of Ostwald optimal colours; K>256:1 input: w/rgb/cmyk->rgb
colour spaces CIE XYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Pxx; CIE 10 degree



TUB registration: 20170801-BE98/BE98L0NP.PDF /.PS
application for measurement of display output

TUB material: code=rha4ta

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P55, Y_m=510_770, CIE XYZ

Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	63.27	39.24	0.04	0.6168	0.3826	0.0004	240.6	38	592	17	485
Y _{me} 510_770	81.53	89.29	2.21	0.4711	0.516	0.0128	213.9	33	569	13	467
G _{me} 470_570	20.37	59.11	23.26	0.1982	0.5753	0.2264	207.9	22	512	-1	512c
C _m 380_570	34.18	60.75	95.93	0.179	0.3182	0.5026	211.8	17	485	38	592
B _{me} 380_510	15.92	10.7	93.76	0.1322	0.0888	0.7788	227.6	13	467	33	569
M _m 570_470	77.08	40.88	72.72	0.4042	0.2143	0.3813	250.9	-1	512c	22	512
R _o 570_440	68.87	39.48	27.41	0.5072	0.2908	0.2019	244.7	-1	490c	18	490
G _o 520_570	18.25	50.05	2.16	0.259	0.7101	0.0307	212.2	27	538	-1	538c
W ₁ 380_770	97.45	100.0	95.98	0.3321	0.3407	0.327	0.0	-1	490c	-1	538c

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BE980-1N_2

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P55, 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	39.24	25.02	15.04	29.2	1.6122	-0.0004	31.0	38	592	17	485
Y _{me} 510_770	89.29	-5.49	33.39	33.84	0.913	-0.0099	99.3	33	569	13	467
G _{me} 470_570	59.11	-37.24	13.39	39.57	0.3446	-0.1574	160.2	22	512	-1	512c
C _m 380_570	60.75	-25.02	-15.04	29.2	0.5626	-0.6316	211.0	16	484	37	588
B _{me} 380_510	10.7	5.49	-33.39	33.84	1.488	-3.5045	279.3	13	467	33	568
M _m 570_470	40.88	37.24	-13.39	39.57	1.8854	-0.7114	340.2	-1	513c	22	513
R _o 570_440	39.48	30.39	4.19	30.67	1.7442	-0.2777	7.8	-1	491c	18	491
G _o 520_570	50.05	-30.52	18.34	35.61	0.3648	-0.0173	148.9	27	538	-1	538c
W ₁ 380_770	100.0	0.0	0.0	0.01	0.9745	-0.3839	0.0	-1	540c	28	540

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BE980-3N_2

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P55, 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	<i>i</i> _c	λ [*] _c
R _{me} 570_770	68.93	66.86	118.1	135.72	0.2548	-0.0093	60.4	38	593	15	476
Y _{me} 510_770	95.7	-10.35	135.56	135.96	0.2108	-0.0254	94.3	33	569	14	471
G _{me} 470_570	81.36	-122.8743	15.130.22	0.1523	-0.064	160.6	22	514	-1	514c	
C _m 380_570	82.25	-70.84	-30.57	77.15	0.1794	-0.1017	203.3	16	482	-1	482c
B _{me} 380_510	39.09	35.94	-103.46	109.53	0.2481	-0.1801	289.1	13	468	31	559
M _m 570_470	70.1	91.29	-33.88	97.38	0.2684	-0.1058	339.6	-1	515c	23	515
R _o 570_440	69.1	78.53	15.01	79.95	0.2616	-0.0773	10.8	-1	486c	17	486
G _o 520_570	76.1	-110.85102	18.150.76	0.1552	-0.0306	137.3	27	537	8	444	
W ₁ 380_770	100.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	-1	444c	-1	537c

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BE980-5N_2

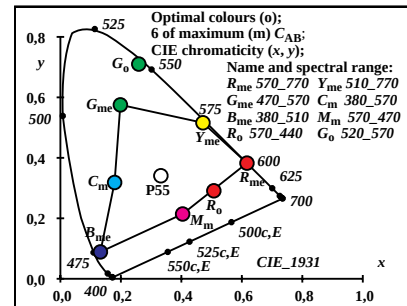
Optimal colours (o) RYGBM of maximum (m) C_{AB}; P55, Y_m=510_770, LABHNU1_79

CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c
R _{me} 570_770	68.93	72.22	69.2	100.02	0.1741	-0.0459	43.7	38	592	16	480
Y _{me} 510_770	95.7	-9.16	86.41	86.9	0.1275	-0.048	96.0	33	569	14	471
G _{me} 470_570	81.36	-81.79	35.07	88.99	0.0896	-0.0686	156.7	21	508	9	446
C _m 380_570	82.25	-53.96	-26.78	60.25	0.1041	-0.1003	206.3	16	484	42	613
B _{me} 380_510	39.09	37.71	-94.92	102.14	0.1658	-0.1728	291.6	13	468	32	561
M _m 570_470	70.1	104.58	-29.82	108.75	0.1923	-0.104	344.0	7	435	20	503
R _o 570_440	69.1	87.35	12.65	88.26	0.1829	-0.0792	8.2	-1	490c	18	490
G _o 520_570	76.1	-74.89	68.49	101.49	0.0909	-0.0495	137.5	27	537	12	460
W ₁ 380_770	100.0	0.0	0.0	0.0	0.1316	-0.0867	0.0	-1	460c	-1	537c

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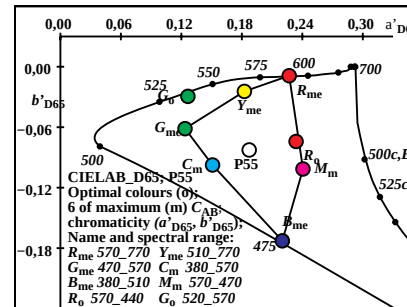
BE980-7N_2

TUB-test chart BE98; Colorimetry of Ostwald optimal colours; K>256:1 input: w/rgb/cmyk->rgb colour spaces CIE XYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Pxx; CIE 10 degree



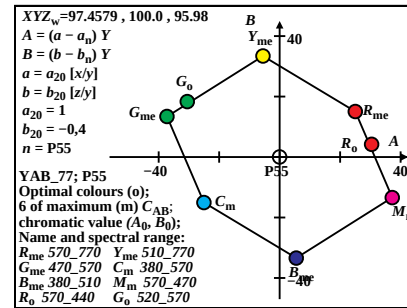
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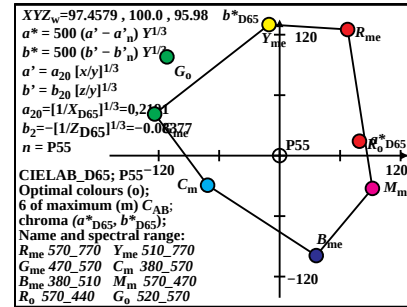
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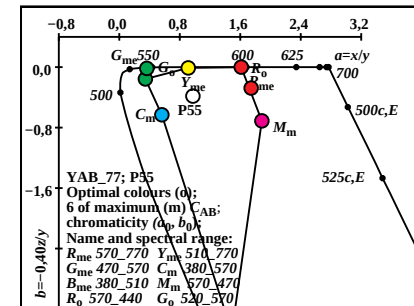
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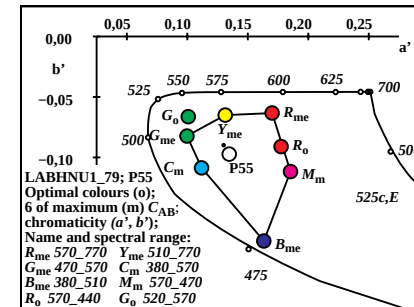
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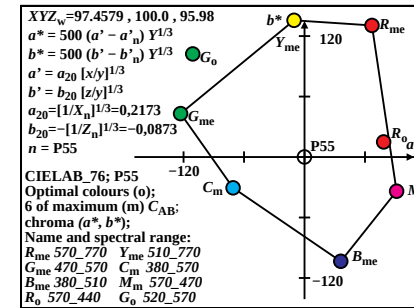
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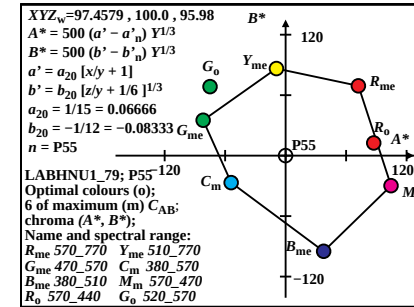
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BE981-4N_2



1-000130-L0

BE981-6N_2



1-000130-L0

BE981-8N_2

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P50, Y_m=510_770, CIE XYZ

Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	65.7	40.52	0.04	0.6182	0.3813	0.0004	241.4	38	593	17	486
Y _{me} 510_770	83.88	89.95	2.15	0.4766	0.5111	0.0122	215.2	34	570	13	468
G _{me} 470_570	20.14	57.99	21.77	0.2016	0.5804	0.2179	208.3	22	511	-1	511c
C _m 380_570	32.42	59.47	86.45	0.1817	0.3334	0.4847	211.6	17	486	38	593
B _{me} 380_510	14.23	10.04	84.34	0.131	0.0924	0.7765	226.9	13	468	34	570
M _m 570_470	77.97	42.0	64.72	0.4221	0.2274	0.3504	250.8	-1	511c	22	511
R _o 570_440	70.57	40.73	23.88	0.522	0.3013	0.1766	245.0	-1	491c	18	491
G _o 520_570	18.18	49.43	2.1	0.2608	0.7089	0.0301	212.3	27	538	-1	538c
W _i 380_770	98.12	100.0	86.5	0.3447	0.3513	0.3039	0.0	-1	491c	-1	538c

1-000230-L0

BE980-1N_3

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P50, 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	40.52	25.93	14.0	29.47	1.6211	-0.0004	28.3	38	593	17	487
Y _{me} 510_770	89.95	-4.38	30.26	30.58	0.9325	-0.0095	98.2	34	570	13	469
G _{me} 470_570	57.99	-36.76	11.35	38.47	0.3473	-0.1501	162.8	21	509	-1	509c
C _m 380_570	59.47	-25.93	-14.0	29.47	0.5451	-0.5814	208.3	17	485	37	585
B _{me} 380_510	10.04	4.38	-30.26	30.57	1.4175	-3.3598	278.2	13	468	33	569
M _m 570_470	42.0	36.76	-11.35	38.47	1.8564	-0.6163	342.8	-1	526c	25	526
R _o 570_440	40.73	30.6	4.54	30.94	1.7325	-0.2344	8.4	-1	494c	18	494
G _o 520_570	49.43	-30.31	16.26	34.4	0.3679	-0.017	151.7	27	538	-1	538c
W _i 380_770	100.0	0.0	0.0	0.01	0.9812	-0.346	0.0	11	456	33	567

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BE980-3N_3

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P50, 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	<i>i</i> _c	λ^*_c
R _{me} 570_770	69.84	67.4	119.66	137.34	0.2547	-0.0096	60.6	38	593	15	476
Y _{me} 510_770	95.98	-8.12	134.59	134.83	0.2118	-0.026	93.4	34	570	14	471
G _{me} 470_570	80.74	-121.97	40.49	128.51	0.1524	-0.0652	161.6	23	515	-1	515c
C _m 380_570	81.55	-74.8	-31.76	81.26	0.1771	-0.1024	203.0	16	483	-1	483c
B _{me} 380_510	37.93	30.3	-105.34	109.61	0.2435	-0.1838	286.0	13	468	32	562
M _m 570_470	70.87	88.66	-31.78	94.18	0.2665	-0.1044	340.2	-1	516c	23	516
R _o 570_440	69.99	77.33	18.02	79.4	0.2604	-0.0757	13.1	-1	486c	17	486
G _o 520_570	75.72	-110.23	100.11	148.91	0.1553	-0.0315	137.7	27	538	8	442
W ₁ 380_770	100.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	-1	442c	-1	538c

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BE980-5N_3

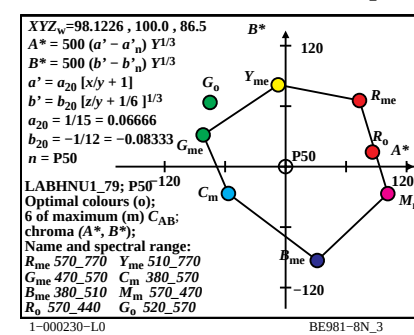
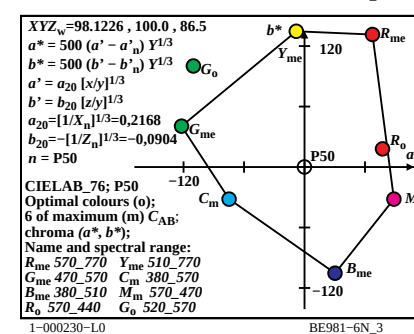
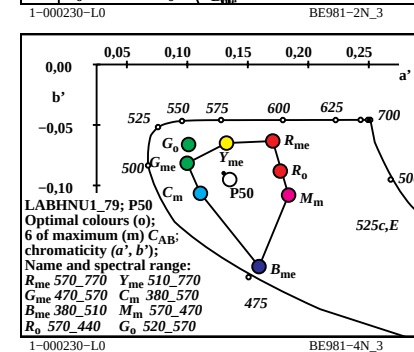
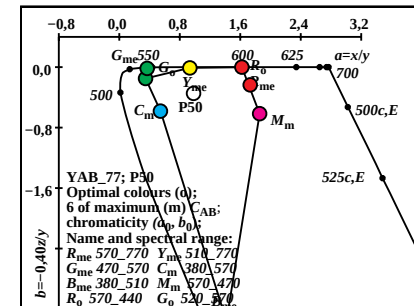
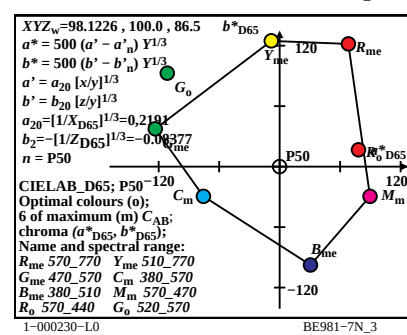
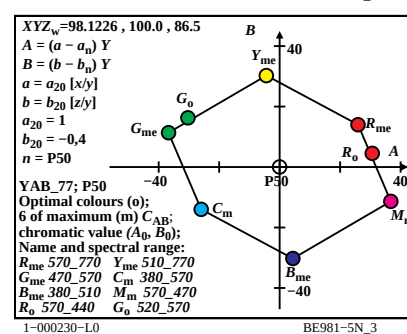
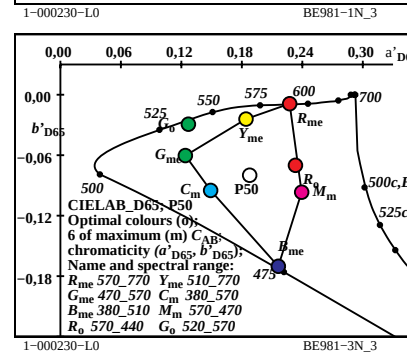
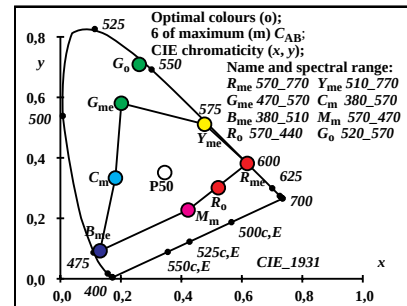
Optimal colours (o) RYGBM of maximum (m) C_{AB}; P50, Y_m=510_770, LABHNU1_79

CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	69.84	73.26	65.64	98.37	0.1747	-0.0459	41.8	38	593	16	481
Y _{me} 510_770	95.98	-7.27	81.18	81.5	0.1288	-0.0479	95.1	34	570	14	471
G _{me} 470_570	80.74	-81.77	31.45	87.61	0.0898	-0.0679	158.9	21	508	8	443
C _m 380_570	81.55	-56.73	-26.67	62.69	0.103	-0.0978	205.1	17	485	42	613
B _{me} 380_510	37.93	31.37	-93.07	98.22	0.1611	-0.1704	288.6	13	468	32	564
M _m 570_470	70.87	101.39	-26.76	104.86	0.1904	-0.0996	345.2	6	432	20	503
R _o 570_440	69.99	86.15	14.43	87.36	0.1821	-0.0758	9.5	-1	490c	18	490
G _o 520_570	75.72	-75.01	63.71	98.42	0.0911	-0.0494	139.6	27	537	11	459
W _i 380_770	100.0	0.0	0.0	0.0	0.132	-0.0842	0.0	-1	459c	-1	537c

1-000230-L0

BE980-7N_3

TUB-test chart BE98; Colorimetry of Ostwald optimal colours; K>256:1 input: w/rgb/cmyk->rgb colour spaces CIE XYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Pxx; CIE 10 degree



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

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

1-000330-L0

BE980-1N_4

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

1-000330-L0

BE980-3N_4

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	<i>λ</i> * _d	<i>i</i> _c	<i>λ</i> * _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	-121.0637.19		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	-109.6897.46		146.73	0.1553	-0.0327	138.3	27	539	7	438
W _i 380_770	100.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	-1	438c	-1	539c

1-000330-L0

BE980-5N_4

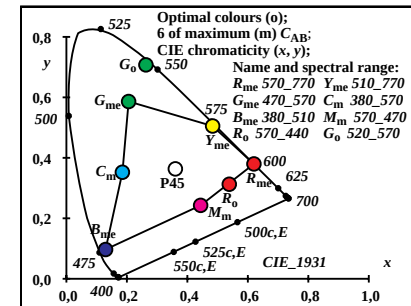
Optimal colours (o) RYGBM of maximum (m) C_{AB}; P45, Y_m=510_770, LABHNU1_79

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

1-000330-L0

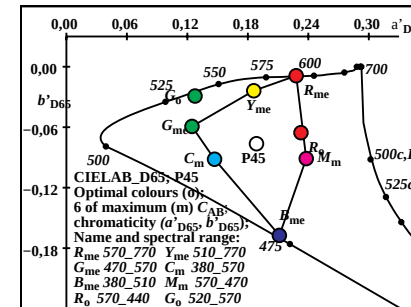
BE980-7N_4

TUB-test chart BE98; Colorimetry of Ostwald optimal colours; K>256:1 input: w/rgb/cmyk->rgb colour spaces CIE XYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Pxx; CIE 10 degree



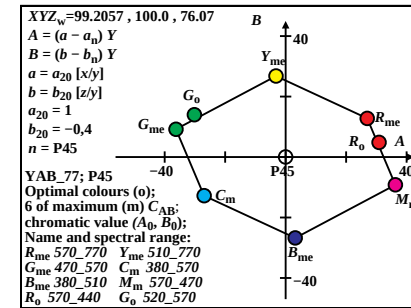
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BE981-1N_4



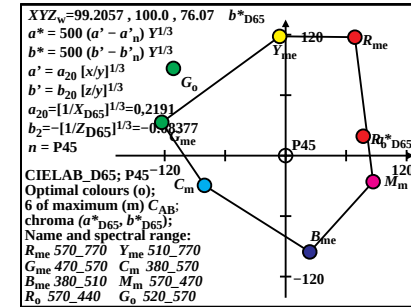
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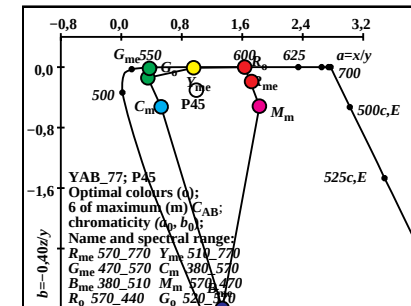
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BE981-5N_4



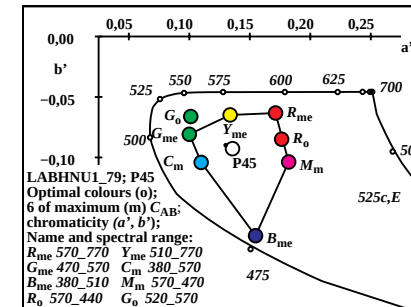
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BE981-7N_4



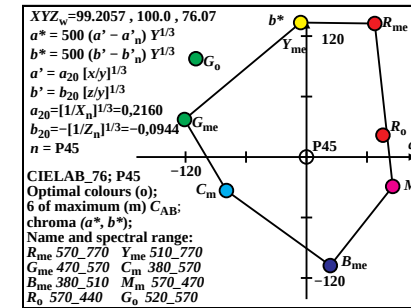
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BE981-2N_4



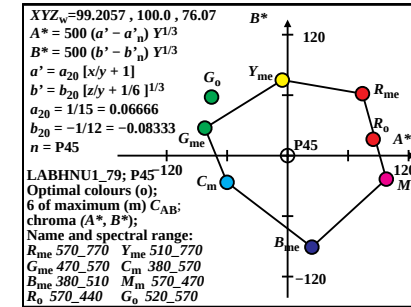
1-000330-L0

BE981-4N_4



1-000330-L0

BE981-6N_4



1-000330-L0

BE981-8N_4

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P40, 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	72.65	44.12	0.05	0.6218	0.3776	0.0004	243.1	38	593	17	488
Y _{me} 510_770	90.54	91.62	1.97	0.4916	0.4975	0.0107	218.8	34	572	13	469
G _{me} 470_570	19.46	54.77	18.03	0.2109	0.5936	0.1954	209.0	22	510	-1	510c
C _m 380_570	28.27	55.87	64.63	0.19	0.3755	0.4344	211.2	17	488	38	593
B _{me} 380_510	10.38	8.37	62.71	0.1275	0.1028	0.7696	225.3	13	469	34	572
M _m 570_470	81.46	45.22	46.65	0.4699	0.2608	0.2691	250.4	-1	510c	22	510
R _o 570_440	75.95	44.26	16.2	0.5567	0.3244	0.1187	245.8	48	643	18	492
G _o 520_570	17.88	47.5	1.92	0.2657	0.7056	0.0286	212.2	27	538	-1	538c
W ₁ 380_770	100.93	100.0	64.68	0.3799	0.3764	0.2435	0.0	-1	492c	-1	538c

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P40, Y_m=510_770, YAB_77

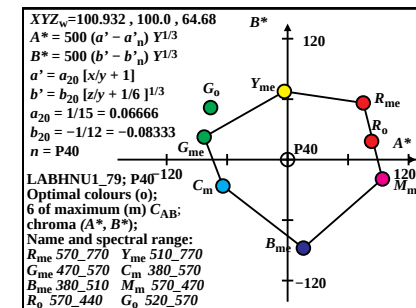
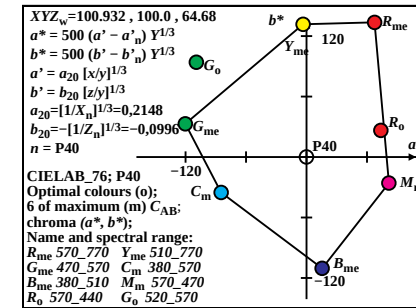
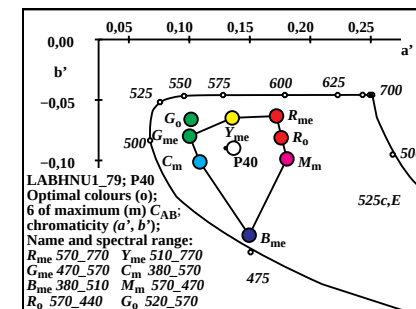
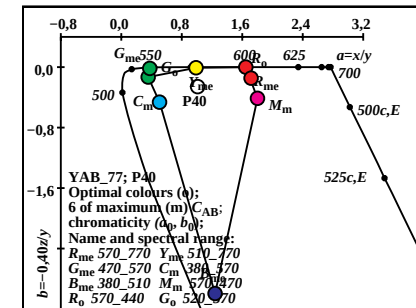
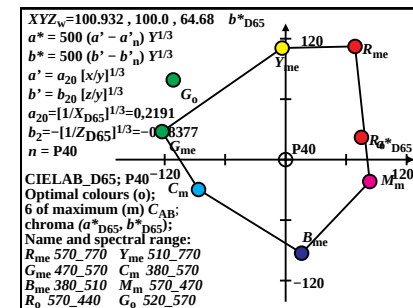
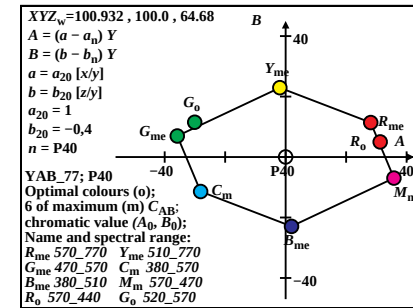
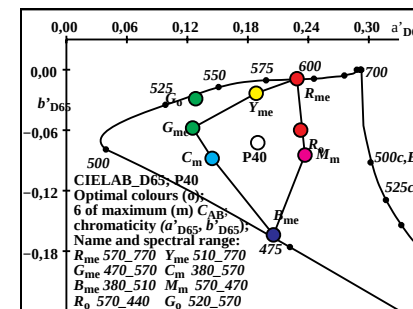
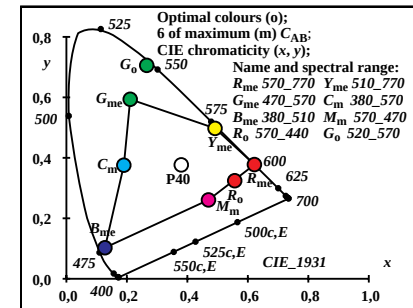
Code	Y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	44.12	28.12	11.39	30.34	1.6467	-0.0004	22.0	38	593	19	496
Y _{me} 510_770	91.62	-1.93	22.91	22.99	0.9882	-0.0086	9.8	34	572	12	460
G _{me} 470_570	54.77	-35.81	6.96	36.48	0.3554	-0.1316	169.0	20	504	-1	504c
C _m 380_570	55.87	-28.12	-11.39	30.34	0.506	-0.4626	202.0	17	487	35	579
B _{me} 380_510	8.37	1.93	-22.91	22.99	1.2401	-2.9941	274.8	13	469	34	573
M _m 570_470	45.22	35.81	-6.96	36.48	1.8013	-0.4126	349.0	-1	560c	32	560
R _o 570_440	44.26	31.28	4.97	31.67	1.716	-0.1464	9.0	-1	509c	21	509
G _o 520_570	47.5	-30.05	11.52	32.19	0.3765	-0.0162	159.0	27	536	-1	536c
W ₁ 380_770	100.0	0.0	0.0	0.01	1.0093	-0.2587	0.0	14	473	34	574

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P40, 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	72.31	67.45	123.86	141.04	0.2536	-0.0105	61.4	38	591	15	476
Y _{me} 510_770	96.66	-3.4	131.64	131.68	0.2139	-0.0277	91.4	34	572	14	471
G _{me} 470_570	78.91	-120.1832	99	124.62	0.1521	-0.0688	164.6	23	515	-1	515c
C _m 380_570	79.55	-84.65	-35.2	91.68	0.1711	-0.1046	202.5	16	484	-1	484c
B _{me} 380_510	34.77	15.53	-110.39	111.48	0.2307	-0.1949	278.0	14	470	33	568
M _m 570_470	73.04	81.73	-25.84	85.72	0.2613	-0.1007	342.4	-1	517c	23	517
R _o 570_440	72.41	73.73	26.35	78.3	0.2571	-0.0712	19.6	-1	485c	17	485
G _o 520_570	74.51	-109.2594	0	144.12	0.1551	-0.0342	139.2	28	540	6	432
W ₁ 380_770	100.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	-1	432c	-1	540c

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P40, 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	72.31	75.07	56.21	93.78	0.1764	-0.0459	36.8	38	593	16	483
Y _{me} 510_770	96.66	-3.17	67.68	67.75	0.1325	-0.0477	92.6	34	572	14	471
G _{me} 470_570	78.91	-82.76	22.47	85.76	0.0903	-0.0659	164.8	21	508	6	432
C _m 380_570	79.55	-64.13	-26.17	69.26	0.1004	-0.0914	202.2	17	487	42	612
B _{me} 380_510	34.77	15.62	-87.74	89.12	0.1493	-0.1642	280.0	13	469	34	570
M _m 570_470	73.04	94.05	-19.09	95.96	0.1867	-0.0885	348.5	4	423	21	505
R _o 570_440	72.41	83.31	18.11	85.26	0.181	-0.0675	12.2	-1	491c	18	491
G _o 520_570	74.51	-76.37	51.56	92.15	0.0917	-0.0493	145.9	27	537	10	454
W ₁ 380_770	100.0	0.0	0.0	0.0	0.1339	-0.0777	0.0	-1	454c	-1	537c



Optimal colours (o) RYGBM of maximum (m) C_{AB}; P35, Y_m=510_770, CIE XYZ

Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	77.81	46.71	0.05	0.6245	0.3749	0.0004	244.1	38	594	18	490
Y _{me} 510_770	95.4	92.67	1.85	0.5023	0.4879	0.0097	221.5	34	574	14	470
G _{me} 470_570	18.93	52.39	15.67	0.2176	0.6021	0.1802	209.3	21	509	-1	509c
C _m 380_570	25.85	53.28	52.37	0.1965	0.4051	0.3982	210.9	18	490	38	594
B _{me} 380_510	8.26	7.32	50.58	0.1248	0.1107	0.7643	224.1	14	470	34	574
M _m 570_470	84.72	47.6	36.75	0.501	0.2815	0.2173	250.1	-1	509c	21	509
R _o 570_440	80.3	46.82	12.2	0.5763	0.336	0.0876	246.2	44	622	18	494
G _o 520_570	17.58	45.95	1.79	0.2691	0.7032	0.0275	212.1	27	538	-1	538c
W _i 380_770	103.66	99.99	52.43	0.4047	0.3904	0.2047	0.0	-1	494c	-1	538c

1-000530-L0

BE980-1N_6

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P35, 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	46.71	29.38	9.77	30.96	1.6656	-0.0004	18.4	38	594	22	513
Y _{me} 510_770	92.67	-0.66	18.69	18.7	1.0294	-0.0079	92.0	34	573	-1	573c
G _{me} 470_570	52.39	-35.37	4.71	35.68	0.3614	-0.1197	172.4	20	502	36	580
C _m 380_570	53.28	-29.38	-9.77	30.96	0.4851	-0.3932	198.4	17	488	35	576
B _{me} 380_510	7.32	0.66	-18.69	18.7	1.1276	-2.7609	272.0	14	470	35	575
M _m 570_470	47.6	35.37	-4.71	35.68	1.7797	-0.3088	352.4	-1	574c	34	574
R _o 570_440	46.82	31.75	4.93	32.13	1.7148	-0.1042	8.8	-1	570c	34	570
G _o 520_570	45.95	-30.05	8.91	31.34	0.3827	-0.0156	163.4	25	528	-1	528c
W _i 380_770	99.99	0.0	0.0	0.01	1.0366	-0.2097	0.0	15	475	35	575

1-000530-L0

BE980-3N_6

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P35, 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	74.01	66.42	126.76	143.11	0.2523	-0.0112	62.3	38	590	15	476
Y _{me} 510_770	97.09	-1.13	129.3	129.3	0.2149	-0.029	90.5	34	574	14	471
G _{me} 470_570	77.52	-119.3427	48	122.47	0.1516	-0.0714	167.0	23	515	-1	515c
C _m 380_570	78.04	-90.61	-37.78	98.17	0.1672	-0.1062	202.6	16	484	-1	484c
B _{me} 380_510	32.56	5.94	-113.89	114.04	0.2216	-0.2035	272.9	14	471	34	572
M _m 570_470	74.58	77.05	-21.49	80.0	0.258	-0.098	344.4	-1	518c	23	518
R _o 570_440	74.08	70.91	32.25	77.9	0.2548	-0.0682	24.4	-1	484c	16	484
G _o 520_570	73.52	-109.0189	3	140.92	0.1545	-0.0362	140.6	28	542	4	421
W _i 380_770	100.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	-1	421c	-1	542c

1-000530-L0

BE980-5N_6

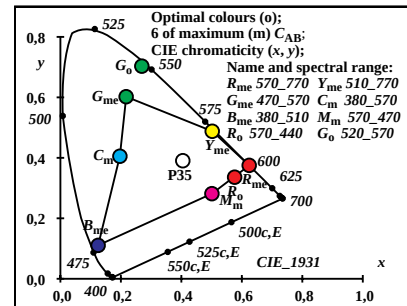
Optimal colours (o) RYGBM of maximum (m) C_{AB}; P35, Y_m=510_770, LABHNU1_79

CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c
R _{me} 570_770	74.01	75.49	49.88	90.48	0.1777	-0.0459	33.4	38	594	16	484
Y _{me} 510_770	97.09	-1.08	58.92	58.93	0.1352	-0.0476	91.0	34	574	14	471
G _{me} 470_570	77.52	-84.2	16.96	85.89	0.0907	-0.0646	168.6	21	508	4	422
C _m 380_570	78.04	-69.16	-25.63	73.76	0.099	-0.0873	200.3	17	489	42	611
B _{me} 380_510	32.56	5.89	-83.75	83.96	0.1418	-0.1599	274.0	14	470	34	573
M _m 570_470	74.58	89.75	-14.34	90.89	0.1853	-0.0815	350.9	-1	506c	21	506
R _o 570_440	74.08	81.46	19.64	83.8	0.1809	-0.0627	13.5	-1	492c	18	492
G _o 520_570	73.52	-78.06	43.82	89.52	0.0921	-0.0492	150.6	27	537	10	450
W _i 380_770	100.0	0.0	0.0	0.0	0.1357	-0.0736	0.0	-1	450c	-1	537c

1-000530-L0

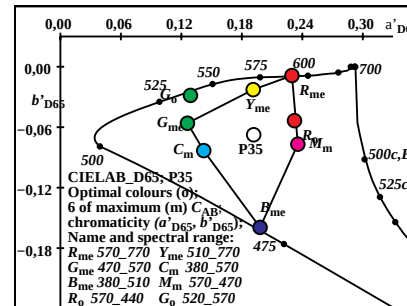
BE980-7N_6

TUB-test chart BE98; Colorimetry of Ostwald optimal colours; K>256:1 input: w/rgb/cmyk->rgb colour spaces CIE XYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Pxx; CIE 10 degree



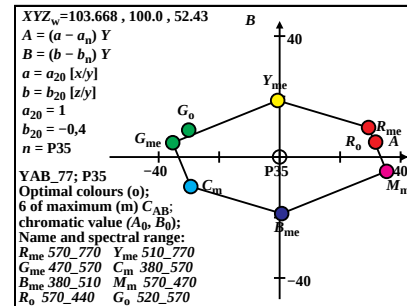
1-000530-L0

BE981-1N_6



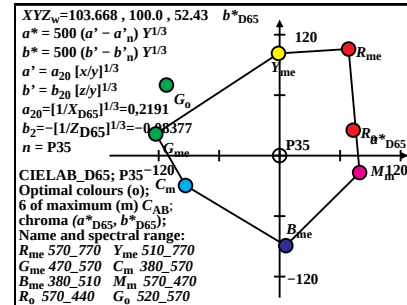
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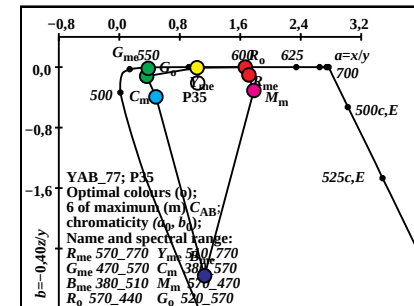
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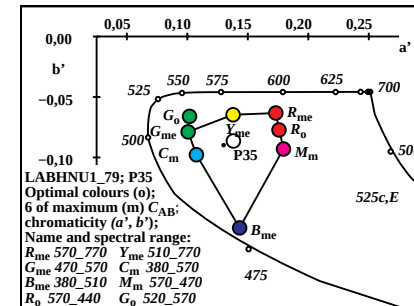
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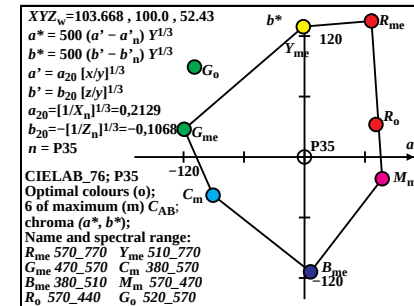
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BE981-2N_6



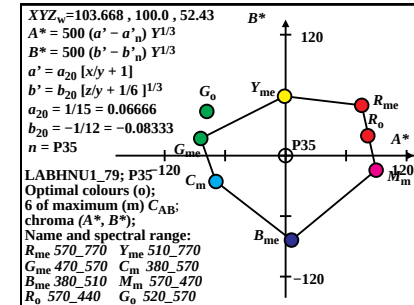
1-000530-L0

BE981-4N_6



1-000530-L0

BE981-6N_6



1-000530-L0

BE981-8N_6

TUB registration: 20170801-BE98/BE98L0NP.PDF /PS application for measurement of display output

TUB material: code=rha4ta

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P30, 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	84.88	50.18	0.05	0.6281	0.3713	0.0004	245.0	39	595	18	492
Y _{me} 510_770	101.97	93.9	1.68	0.5161	0.4752	0.0085	225.1	35	576	14	472
G _{me} 470_570	18.17	49.15	12.94	0.2264	0.6123	0.1612	209.5	21	509	-1	509c
C _m 380_570	23.15	49.81	39.49	0.2059	0.4429	0.3511	210.5	18	492	39	595
B _{me} 380_510	6.06	6.09	37.86	0.1212	0.1219	0.7568	222.6	14	472	35	576
M _m 570_470	89.86	50.84	26.6	0.537	0.3038	0.159	249.7	-1	509c	21	509
R _o 570_440	86.57	50.25	8.32	0.5964	0.3462	0.0573	246.6	42	612	19	495
G _o 520_570	17.09	43.71	1.63	0.2737	0.7001	0.0261	211.7	27	538	-1	538c
W _i 380_770	108.04	100.0	39.55	0.4363	0.4038	0.1597	0.0	-1	495c	-1	538c

1-000630-L0

BE980-1N_7

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P30, 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	50.18	30.66	7.91	31.66	1.6914	-0.0004	14.4	-1	595c	39	595
Y _{me} 510_770	93.9	0.52	14.18	14.18	1.0859	-0.0071	87.8	16	483	35	576
G _{me} 470_570	49.15	-34.92	2.59	35.02	0.3698	-0.1053	175.7	20	500	33	565
C _m 380_570	49.81	-30.66	-7.91	31.66	0.4648	-0.3171	194.4	17	489	34	573
B _{me} 380_510	6.09	-0.52	-14.17	14.18	0.9945	-2.483	267.8	14	472	35	578
M _m 570_470	50.84	34.92	-2.59	35.02	1.7673	-0.2093	355.7	-1	584c	36	584
R _o 570_440	50.25	32.27	4.62	32.6	1.7225	-0.0662	8.1	-1	588c	37	588
G _o 520_570	43.71	-30.14	6.26	30.78	0.3909	-0.0149	168.2	22	512	29	548
W _i 380_770	100.0	0.0	0.0	0.01	1.0804	-0.1582	0.0	15	477	35	577

1-000630-L0

BE980-3N_7

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P30, 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	76.18	64.02	130.47	145.33	0.2502	-0.0122	63.8	37	589	15	476
Y _{me} 510_770	97.59	0.84	125.91	125.91	0.2158	-0.0307	89.6	35	576	14	471
G _{me} 470_570	75.55	-118.54	20.01	120.21	0.1507	-0.0752	170.4	23	515	-1	515c
C _m 380_570	75.96	-97.11	-41.35	105.54	0.1626	-0.1086	203.0	17	485	-1	485c
B _{me} 380_510	29.68	-5.35	-118.35	118.47	0.2096	-0.2157	267.4	14	471	35	577
M _m 570_470	76.59	71.13	-15.61	72.82	0.2538	-0.0946	347.6	-1	518c	23	518
R _o 570_440	76.23	66.86	40.03	77.93	0.2517	-0.0644	30.9	-1	482c	16	482
G _o 520_570	72.04	-109.02	82.65	136.81	0.1535	-0.0392	142.8	29	545	-1	545c
W _i 380_770	100.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	-1	482c	-1	545c

1-000630-L0

BE980-5N_7

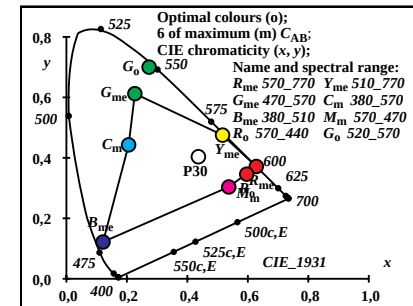
Optimal colours (o) RYGBM of maximum (m) C_{AB}; P30, Y_m=510_770, LABHNU1_79

CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c
R _{me} 570_770	76.18	75.11	42.06	86.09	0.1794	-0.0459	29.2	39	595	17	486
Y _{me} 510_770	97.59	0.84	48.45	48.45	0.139	-0.0474	89.0	35	576	14	471
G _{me} 470_570	75.55	-86.75	10.76	87.42	0.0913	-0.0628	172.9	21	508	-1	508c
C _m 380_570	75.96	-75.48	-24.67	79.41	0.0976	-0.0821	198.1	18	491	42	610
B _{me} 380_510	29.68	-5.23	-78.3	78.48	0.1329	-0.1545	266.1	14	472	35	576
M _m 570_470	76.59	84.81	-8.99	85.29	0.1844	-0.0736	353.9	-1	507c	21	507
R _o 570_440	76.23	78.97	20.39	81.56	0.1815	-0.0577	14.4	44	624	18	493
G _o 520_570	72.04	-80.94	34.73	88.08	0.0927	-0.049	156.7	27	537	8	444
W _i 380_770	100.0	0.0	0.0	0.0	0.1386	-0.0687	0.0	-1	444c	-1	537c

1-000630-L0

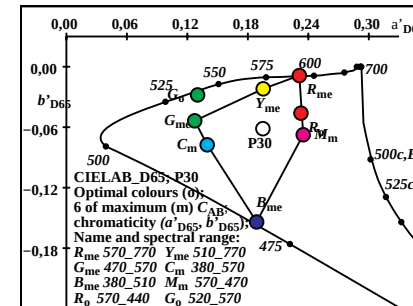
BE980-7N_7

TUB-test chart BE98; Colorimetry of Ostwald optimal colours; K>256:1 input: w/rgb/cmyk->rgb colour spaces CIEXYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Pxx; CIE 10 degree



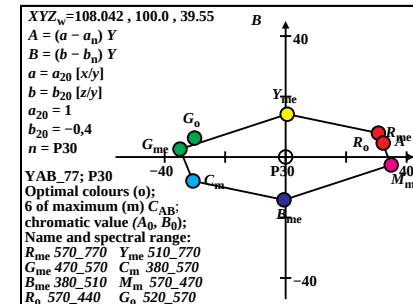
1-000630-L0

BE981-1N_7



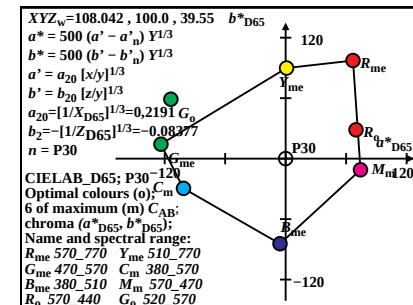
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BE981-3N_7



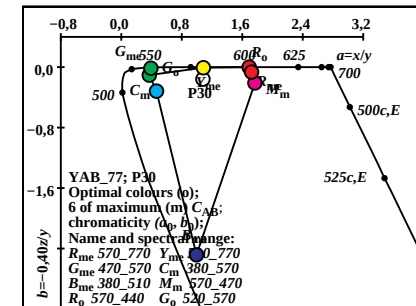
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BE981-5N_7



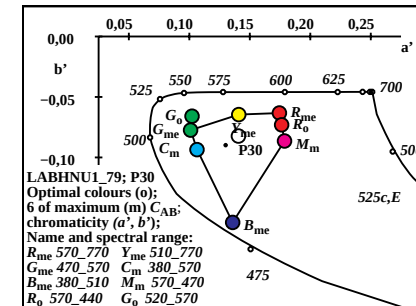
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BE981-7N_7



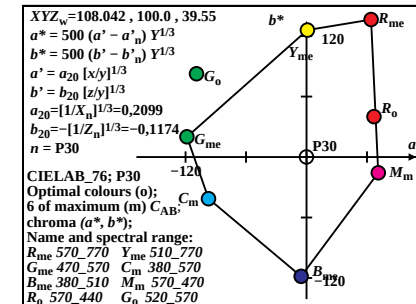
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BE981-2N_7



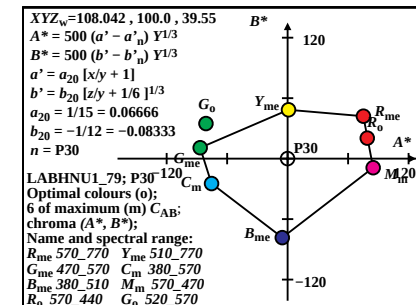
1-000630-L0

BE981-4N_7



1-000630-L0

BE981-6N_7



1-000630-L0

BE981-8N_7

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P25, Y_m=510_770, CIE XYZ

Code	X	Y	Z	x	y	z	h _{xy}	i _d	λ _d	i _c	λ _c
R _{me} 570_770	95.03	54.97	0.05	0.6332	0.3663	0.0003	245.8	39	596	19	495
Y _{me} 510_770	111.27	95.32	1.46	0.5348	0.4581	0.007	230.0	35	578	14	474
G _{me} 470_570	17.02	44.58	9.8	0.2384	0.6243	0.1372	209.4	21	509	-1	509c
C _m 380_570	20.14	45.02	26.53	0.2196	0.4909	0.2893	210.0	19	495	39	596
B _{me} 380_510	3.91	4.67	25.12	0.1159	0.1386	0.7453	220.5	14	474	35	578
M _m 570_470	98.15	55.41	16.79	0.5761	0.3252	0.0985	249.0	-1	509c	21	509
R _o 570_440	96.01	55.02	4.82	0.616	0.353	0.0309	246.9	41	606	19	498
G _o 520_570	16.23	40.34	1.4	0.2799	0.6957	0.0242	211.0	27	538	-1	538c
W ₁ 380_770	115.18	100.0	26.59	0.4764	0.4136	0.1099	0.0	-1	498c	-1	538c

1-000730-L0

BE980-1N_8

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P25, 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	54.97	31.71	5.82	32.24	1.7286	-0.0004	10.4	-1	596c	39	596
Y _{me} 510_770	95.32	1.47	9.55	9.66	1.1673	-0.0061	81.2	16	481	35	579
G _{me} 470_570	44.58	-34.33	0.82	34.34	0.3818	-0.0879	178.6	20	500	31	558
C _m 380_570	45.02	-31.71	-5.82	32.24	0.4474	-0.2357	190.4	18	492	34	570
B _{me} 380_510	4.67	-1.47	-9.55	9.66	0.8363	-2.1498	261.2	14	474	36	582
M _m 570_470	55.41	34.33	-0.82	34.33	1.7713	-0.1212	358.6	-1	592c	38	592
R _o 570_440	55.02	32.63	3.92	32.86	1.7449	-0.035	6.8	-1	594c	38	594
G _o 520_570	40.34	-30.23	3.72	30.46	0.4024	-0.0139	172.9	21	507	29	546
W ₁ 380_770	100.0	0.0	0.0	0.01	1.1518	-0.1063	0.0	15	479	36	580

1-000730-L0

BE980-3N_8

Optimal colours (o) RYGBM of maximum (m) C_{AB}; P25, 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	79.03	59.34	135.33	147.77	0.2467	-0.0137	66.3	37	588	15	475
Y _{me} 510_770	98.16	2.19	120.67	120.69	0.2164	-0.0333	88.9	35	578	14	471
G _{me} 470_570	72.62	-117.579	38	117.95	0.1491	-0.0808	175.4	22	513	-1	513c
C _m 380_570	72.91	-103.56	-46.55	113.55	0.1572	-0.1123	204.2	17	485	-1	485c
B _{me} 380_510	25.81	-18.19	-124.16	125.48	0.1936	-0.2347	261.6	14	472	36	581
M _m 570_470	79.28	63.34	-7.3	63.76	0.2487	-0.09	353.4	-1	515c	23	515
R _o 570_440	79.05	60.83	50.63	79.14	0.2474	-0.0595	39.7	42	614	16	481
G _o 520_570	69.72	-109.2172	68	131.19	0.1517	-0.0437	146.3	29	548	-1	548c
W ₁ 380_770	100.0	0.0	0.0	0.0	0.2154	-0.0861	0.0	-1	481c	-1	548c

1-000730-L0

BE980-5N_8

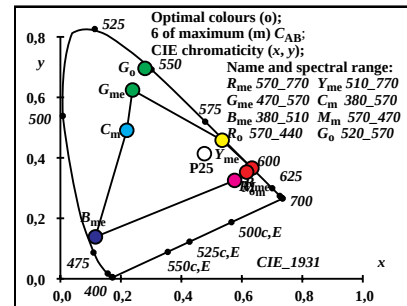
Optimal colours (o) RYGBM of maximum (m) C_{AB}; P25, Y_m=510_770, LABHNU1_79

CodeD65	L*	A*	B*	C* _{ab}	a'	b'	h _{ab}	i _d	λ* _d	i _c	λ* _c
R _{me} 570_770	79.03	73.09	32.43	79.97	0.1819	-0.0459	23.9	39	596	18	490
Y _{me} 510_770	98.16	2.35	36.07	36.14	0.1444	-0.0472	86.2	35	578	14	471
G _{me} 470_570	72.62	-90.99	4.11	91.09	0.0921	-0.0607	177.4	21	509	-1	509c
C _m 380_570	72.91	-83.51	-22.92	86.6	0.0964	-0.0759	195.3	18	494	41	608
B _{me} 380_510	25.81	-17.58	-70.58	72.74	0.1224	-0.1474	256.0	14	473	36	580
M _m 570_470	79.28	78.71	-3.33	78.79	0.1847	-0.0647	357.5	-1	509c	21	509
R _o 570_440	79.05	75.18	19.43	77.65	0.1829	-0.0528	14.4	42	610	19	495
G _o 520_570	69.72	-85.66	24.29	89.04	0.0934	-0.0488	164.1	27	536	6	432
W ₁ 380_770	100.0	0.0	0.0	0.0	0.1434	-0.063	0.0	-1	432c	-1	536c

1-000730-L0

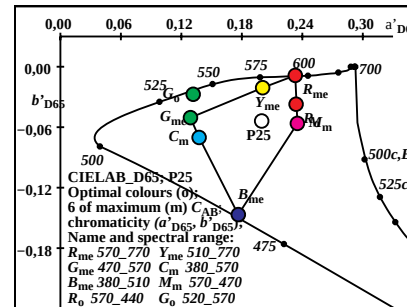
BE980-7N_8

TUB-test chart BE98; Colorimetry of Ostwald optimal colours; K>256:1 input: w/rgb/cmyk->rgb colour spaces CIE XYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Pxx; CIE 10 degree



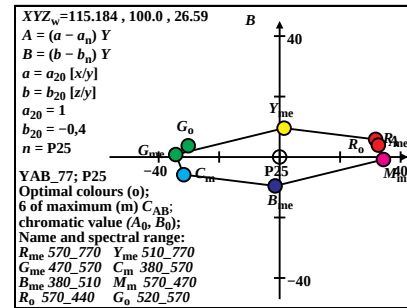
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BE981-1N_8



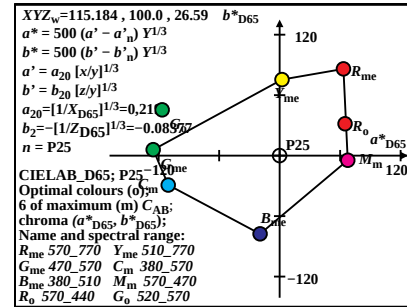
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BE981-3N_8



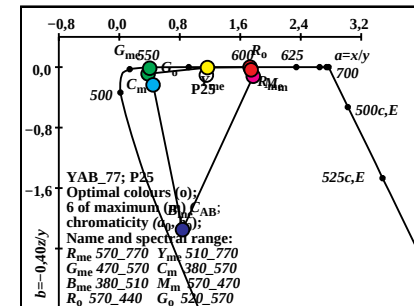
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BE981-5N_8



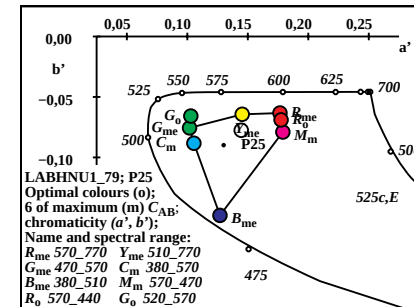
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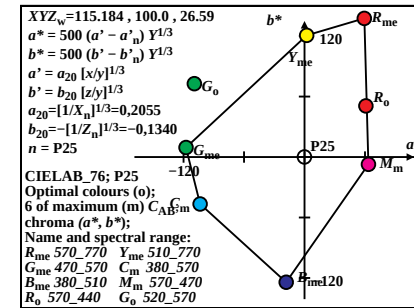
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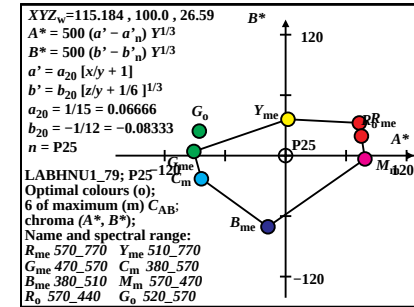
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BE981-4N_8



1-000730-L0

BE981-6N_8



1-000730-L0

BE981-8N_8

TUB registration: 20170801-BE98/BE98L0NP.PDF /.PS
application for measurement of display output

TUB material: code=rha4ta