

Optimal colours (o) RYGBCM of maximum (m) C_{AB,10}; D65, Y_m=510 770, CIEXYZ

Code	Y ₁₀	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	z ₁₀	k _{xy,10}	l _d	l _c	l _e	l _c	l _e
R _{max} 570_770	50.05	30.91	0.38	0.6152	0.38	0.0047	237.0	38	591	15	478		
Y _{max} 510_770	69.07	73.92	1.69	0.4773	0.5109	0.0117	225.3	33	565	13	465		
G _{max} 470_570	21.16	55.69	19.95	0.2186	0.5753	0.206	211.0	23	515	-1	515c		
C _{max} 380_570	35.6	59.43	96.6	0.1858	0.3101	0.504	214.4	15	478	38	591		
B _{max} 380_510	16.59	16.46	95.29	0.1293	0.1279	0.7426	226.8	13	465	33	565		
M _{max} 570_470	64.49	34.64	77.01	0.3661	0.1966	0.4371	245.1	-1	515c	23	515		
R _o 570_440	55.88	31.63	28.92	0.4799	0.2716	0.2483	240.3	-1	484c	16	484		
G _o 520_570	19.35	43.35	1.69	0.3005	0.6731	0.0263	216.8	27	538	-1	538c		
W ₁ 380_770	85.33	90.0	96.6	0.3137	0.3309	0.3552	226.5	-1	494c	18	494		

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Optimal colours (o) RYGBCM of maximum (m) C_{AB,10}; D65, Y_m=510 770, YAB 77

Code	Y ₁₀	A ₁₀	B ₁₀	C _{AB,10}	a ₁₀	b ₁₀	h _{AB,10}	l _d	l _c	l _e	l _c	l _e
R _{max} 570_770	30.91	20.73	13.11	24.53	1.6189	-0.0049	32.3	38	591	15	478	
Y _{max} 510_770	73.92	-1.01	31.06	31.07	0.9343	-0.0091	91.8	33	565	13	468	
G _{max} 470_570	55.69	-31.64	15.93	35.42	0.3709	-0.1432	153.2	23	517	-1	517c	
C _{max} 380_570	59.43	-20.73	-13.12	24.54	0.5991	-0.6501	212.3	15	478	38	591	
B _{max} 380_510	16.42	10.02	-31.06	31.08	1.0105	-2.3212	271.8	13	465	32	562	
M _{max} 570_470	34.64	31.64	-15.93	35.42	1.8664	-0.8891	333.2	-1	503c	20	503	
R _o 570_440	31.63	25.89	2.01	25.96	1.7614	-0.3656	4.4	-1	483c	16	483	
G _o 520_570	43.35	-21.75	17.93	28.19	0.4464	-0.0156	140.4	27	538	-1	538c	
W ₁ 380_770	90.0	0.0	0.0	0.01	0.9481	-0.4293	0.0	38	594	15	478	

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Optimal colours (o) RYGBCM of maximum (m) C_{AB,10}; D65, Y_m=510 770, CIELAB 76

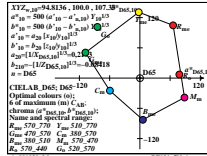
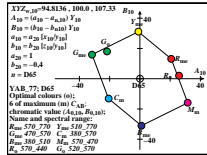
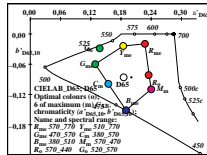
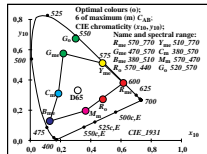
Code	L* ₁₀	a* ₁₀	b* ₁₀	C* _{AB,10}	a* ₁₀	b* ₁₀	h _{AB,10}	l _d	l _c	l _e	l _c	l _e
R _{max} 570_770	62.44	65.99	101.64	121.19	0.2575	-0.0195	57.0	40	602	14	470	
Y _{max} 510_770	88.89	-2.19	130.56	130.58	0.1444	-0.0239	90.9	33	565	13	465	
G _{max} 470_570	79.44	-108.05504	119.23	0.1588	-0.0597	154.9	22	513	-1	513c		
C _{max} 380_570	81.53	-59.62	-24.94	64.63	0.1849	-0.0989	202.7	15	476	-1	476c	
B _{max} 380_510	47.53	5.87	-82.68	82.89	0.2201	-0.1512	274.0	13	465	32	562	
M _{max} 570_470	65.48	88.54	-38.57	96.57	0.2698	-0.1098	336.4	-1	511c	22	511	
R _o 570_440	63.05	78.81	7.1	78.83	0.2651	-0.0816	5.1	-1	482c	16	482	
G _o 520_570	71.8	-84.01	101.1	131.45	0.1676	-0.0285	129.7	27	535	9	449	
W ₁ 380_770	96.0	0.0	0.0	0.0	0.2154	-0.0861	338.8	-1	510c	22	510	

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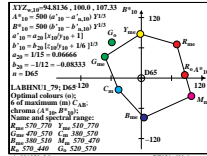
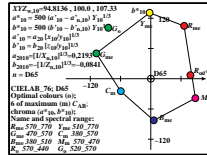
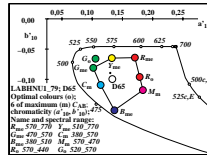
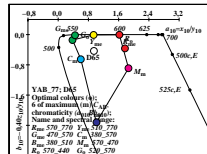
Optimal colours (o) RYGBCM of maximum (m) C_{AB,10}; D65, Y_m=510 770, LABHNU1 79

CodeD65	L* ₁₀	A* ₁₀	B* ₁₀	C* _{AB,10}	a* ₁₀	b* ₁₀	h _{AB,10}	l _d	l _c	l _e	l _c	l _e
R _{max} 570_770	62.44	70.17	66.75	96.85	0.1745	-0.0469	43.5	38	592	14	473	
Y _{max} 510_770	88.89	-1.92	87.39	87.41	0.1289	-0.0478	91.2	33	565	13	465	
G _{max} 470_570	79.44	-72.31	42.58	83.92	0.0919	-0.0672	149.5	21	508	8	440	
C _{max} 380_570	81.53	-45.38	-22.81	50.79	0.1066	-0.1012	206.6	15	477	4	422	
B _{max} 380_510	47.53	5.28	-78.32	78.5	0.134	-0.1511	273.8	13	465	32	564	
M _{max} 570_470	65.48	99.23	-35.65	105.44	0.1907	-0.1114	340.2	2	413	19	498	
R _o 570_440	63.05	86.25	6.33	86.49	0.1844	-0.0855	4.2	-1	484c	16	484	
G _o 520_570	71.8	-58.74	70.82	92.02	0.0964	-0.0491	129.6	27	536	11	455	
W ₁ 380_770	96.0	0.0	0.0	0.0	0.1298	-0.0895	0.0	-1	486c	17	486	

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TUB-test chart BE92; Colorimetry of Ostwald optimal colours; K=25:1 input: w/rgb/cmyk->rgb colour spaces CIEXYZ, YAB_77, CIELAB, LABHNU1_79; 8 illuminants Dxx; CIE 2 degree

technical files: http://farbe.li.tu-berlin.de/BE92/BE92.HTM
 additional information: http://farbe.li.tu-berlin.de or http://30.149.60.45/~farbnetrik

TUB registration: 20170801-BE92/BE92/LON1.TXT / PS
 application for measurement of display output

TUB material: code=thata