

<http://farbe.li.tu-berlin.de/gek4/gek4l0na.txt> /ps; only vector graphic VG; start output  
 see separate images of this page: <http://farbe.li.tu-berlin.de/gek4/gek4.htm>

**CIE data, for example  $\lambda_1$ ,  $\lambda_2$ ,  $\lambda_d$ ,  $\lambda_c$ , and XYZxy, LabCh\*, YABCh for all optimal colours of maximum (m) chromatic value for D65 and  $Y_w=100$  and 89**

$\lambda_1$	$\lambda_2$	$\lambda_d$	$\lambda_c$	i	[X, Y, Z, x, y] <sub>100</sub>	[L*, a*, b*, C* <sub>ab</sub> , h <sub>ab</sub> , a', b', c', ab] <sub>100</sub>	[Y, A, B, G <sub>AB</sub> , h <sub>AB</sub> , a, b, c, ab] <sub>100</sub>	[i <sub>d</sub> , i <sub>c</sub> , $\lambda_d$ , $\lambda_c$ ] <sub>100</sub>	[X, Y, Z] <sub>89</sub>	[L*, a*, b*, C* <sub>ab</sub> , h <sub>ab</sub> ] <sub>89</sub>	[Y, A, B, G <sub>AB</sub> , h <sub>AB</sub> ] <sub>89</sub>																															
405	561	483	589	00	32.6	58.2	108.1	0.219	0.391	80.9	-67.5	-32.4	75.0	205.7	0.181	-0.102	0.04	58.2	-22.6	-17.8	28.9	218.2	0.56	-0.742	0.497	16	483	37	589	28.9	51.6	95.8	77.0	-64.8	-31.2	72.0	205.7	51.6	-20.1	-15.8	25.6	218.2
435	562	486	610	01	29.1	58.8	88.7	0.198	0.401	81.2	-81.8	-19.2	84.1	193.2	0.173	-0.095	0.044	58.8	-26.7	-9.8	28.6	200.2	0.495	-0.603	0.486	17	486	42	610	25.8	52.1	78.6	77.3	-78.6	-18.4	80.8	193.2	52.1	-23.6	-8.7	25.3	200.2
450	563	496	496	02	22.9	59.4	52.4	0.162	0.419	81.5	-109.0	11.4	109.7	174.0	0.16	-0.079	0.057	59.4	-33.4	4.9	33.9	171.6	0.386	-0.352	0.571	19	496	-1	496	20.3	52.6	46.4	77.7	-104.6	11.0	105.3	174.0	52.6	-29.6	4.4	30.0	171.6
460	565	506	506	03	20.9	60.3	34.0	0.148	0.426	82.0	-120.6	33.3	125.2	164.6	0.154	-0.068	0.065	60.3	-36.4	12.7	38.6	160.8	0.346	-0.225	0.64	21	506	-1	506	18.5	53.4	30.1	78.1	-115.9	31.9	120.3	164.6	53.4	-32.2	11.2	34.2	160.8
465	567	506	506	04	22.0	61.7	34.0	0.151	0.424	82.7	-118.7	34.5	123.7	163.8	0.155	-0.068	0.063	61.7	-36.6	13.2	39.0	160.1	0.356	-0.22	0.632	21	506	-1	506	19.5	54.6	30.1	78.8	-114.0	33.1	118.8	163.8	54.6	-32.4	11.7	34.5	160.1
470	569	520	520	05	21.5	62.7	20.0	0.146	0.427	83.3	-123.4	57.5	136.2	155.0	0.153	-0.056	0.069	62.7	-38.0	19.3	42.8	153.1	0.342	-0.126	0.682	24	520	-1	520	19.0	55.6	17.7	79.4	-118.5	55.3	130.8	155.0	55.6	-33.7	17.1	37.9	153.1
475	573	528	528	06	23.8	65.3	14.9	0.154	0.423	84.6	-118.6	70.4	138.0	149.3	0.156	-0.05	0.069	65.3	-38.2	22.5	44.4	149.6	0.364	-0.09	0.68	25	528	-1	528	21.1	57.8	13.2	80.7	-113.9	67.6	132.6	149.3	57.8	-33.8	19.9	39.3	149.6
480	580	537	537	07	29.0	70.0	11.1	0.172	0.414	87.0	-107.1	84.2	136.3	141.9	0.163	-0.044	0.067	70.0	-37.4	26.0	45.6	145.2	0.415	-0.062	0.653	27	537	-1	537	25.7	62.0	9.8	82.9	-102.9	80.9	130.9	141.9	62.0	-33.1	23.1	40.4	145.2
485	595	548	548	08	42.1	78.8	8.2	0.211	0.395	81.1	-80.4	100.1	128.5	128.8	0.178	-0.038	0.067	78.8	-32.6	31.0	45.1	136.6	0.535	-0.041	0.573	29	548	-1	548	37.3	69.8	7.3	86.9	-77.3	96.1	123.4	128.8	69.8	-28.9	27.5	39.9	136.6
490	490c	565	459	09	77.1	93.8	6.1	0.291	0.354	97.6	-23.1	119.1	121.3	101.0	0.205	-0.033	0.054	93.8	-12.0	38.4	40.3	107.4	0.822	-0.025	0.429	33	565	11	459	68.3	83.1	5.4	93.1	-22.1	114.3	116.5	101.0	83.1	-10.6	34.0	35.7	107.4
495	495c	566	462	10	77.0	92.3	4.5	0.294	0.353	96.9	-20.5	125.4	127.1	99.3	0.206	-0.03	0.057	92.3	-10.6	38.4	39.9	105.6	0.835	-0.019	0.432	33	566	12	462	68.3	81.8	4.0	92.5	-19.7	120.5	122.1	99.3	81.8	-9.4	34.0	35.3	105.6
500	500c	567	464	11	77.0	90.4	3.3	0.299	0.351	96.2	-17.2	131.2	132.3	97.5	0.208	-0.027	0.06	90.4	-8.8	38.1	39.1	103.2	0.852	-0.013	0.433	33	567	12	464	68.2	80.1	2.9	91.7	-16.6	126.0	127.0	97.5	80.1	-7.8	33.7	34.6	103.2
510	510c	569	469	12	76.9	85.3	1.6	0.311	0.345	94.0	-8.1	140.2	140.4	93.4	0.212	-0.021	0.065	85.3	-4.1	36.5	36.7	96.5	0.902	-0.007	0.431	33	569	13	469	68.1	75.5	1.5	89.7	-7.8	134.6	134.8	93.4	75.5	-3.6	32.3	32.5	96.5
520	520c	570	471	13	76.7	82.0	1.2	0.319	0.341	94.0	-2.4	143.0	143.0	91.0	0.214	-0.019	0.067	82.0	-1.2	35.2	35.3	92.0	0.935	-0.005	0.43	34	570	14	471	67.9	72.6	1.0	88.3	-2.3	137.3	137.3	91.0	72.6	-1.0	31.2	31.2	92.0
530	530c	573	475	14	75.5	74.0	0.6	0.338	0.331	88.9	10.8	144.4	144.8	85.7	0.221	-0.016	0.07	74.0	5.2	32.0	32.4	80.8	1.02	-0.002	0.438	34	573	15	475	66.9	65.6	0.5	84.8	10.4	138.3	138.6	85.7	65.6	4.6	28.4	28.7	80.8
540	540c	577	478	15	73.3	64.9	0.3	0.361	0.32	84.4	25.5	141.4	143.7	79.8	0.228	-0.012	0.075	64.9	11.6	28.2	30.4	67.7	1.129	-0.001	0.469	35	577	15	478	64.9	57.5	0.2	80.5	24.5	135.0	137.2	79.7	57.5	10.3	24.9	27.0	67.7
545	545c	579	479	16	71.7	60.1	0.2	0.373	0.313	81.9	33.1	138.3	142.2	76.6	0.232	-0.011	0.077	60.1	14.5	26.1	29.9	60.9	1.192	0.0	0.497	35	579	15	479	63.5	53.3	0.2	78.0	31.7	132.0	135.8	76.5	53.3	12.9	23.1	26.5	60.9
550	550c	582	480	17	69.7	55.3	0.1	0.387	0.307	79.2	40.6	134.5	140.5	73.2	0.237	-0.01	0.079	55.3	17.2	24.0	29.5	54.4	1.261	0.0	0.534	36	582	16	480	61.8	49.0	0.1	75.4	39.0	128.3	134.0	73.1	49.0	15.2	21.3	26.2	54.4
555	555c	584	481	18	67.4	50.4	0.1	0.401	0.3	76.3	48.0	130.1	138.7	69.8	0.241	-0.009	0.081	50.4	19.5	21.9	29.3	48.3	1.337	0.0	0.582	36	584	16	481	59.7	44.7	0.1	72.7	46.1	124.0	132.3	69.6	44.7	17.3	19.4	26.0	48.3
560	560c	589	483	19	61.8	41.0	0.1	0.43	0.285	70.2	61.6	120.1	135.0	62.8	0.251	-0.008	0.085	41.0	22.8	17.8	29.0	38.0	1.506	0.0	0.706	37	589	16	483	54.7	36.3	0.1	66.8	59.2	114.4	128.8	62.6	36.3	20.2	15.8	25.6	38.0
561	405	589	483	20	62.5	41.8	0.8	0.428	0.286	70.7	60.9	110.1	125.8	61.1	0.251	-0.021	0.074	41.8	22.7	17.9	28.9	38.2	1.495	-0.006	0.693	37	589	16	483	55.3	37.0	0.7	67.3	58.5	105.5	120.6	61.0	37.0	20.2	15.9	25.6	38.2
562	435	610	486	21	66.0	41.2	20.2	0.445	0.278	70.3	70.6	34.8	78.7	26.3	0.256	-0.065	0.047	41.2	26.8	9.9	28.6	20.2	1.601	-0.195	0.693	42	610	17	486	58.4	36.5	17.9	66.9	67.8	33.5	75.6	26.3	36.5	23.7	8.8	25.3	20.2
563	450	496	496	22	72.1	40.6	56.5	0.47	0.265	69.9	85.9	-12.6	86.8	351.6	0.265	-0.093	0.051	40.6	33.5	-4.8	33.9	351.6	1.777	-0.556	0.836	-1	496	19	496	63.9	35.9	50.1	66.5	82.5	-12.1	83.3	351.6	35.9	29.7	-4.3	30.0	351.6
565	460	506	506	23	74.2	39.7	74.9	0.483	0.258	68.2	92.9	-29.4	97.5	342.4	0.27	-0.103	0.058	39.7	36.5	-12.6	38.6	340.8	1.869	-0.754	0.973	-1	506	21	506	65.7	35.2	66.3	65.9	89.2	-28.3	93.6	342.4	35.2	32.3	-11.1	34.2	340.8
567	465	506	506	24	73.1	38.3	74.9	0.488	0.256	69.3	94.8	-31.1	99.9	341.8	0.272	-0.104	0.06	38.3	36.7	-13.1	39.0	340.1	1.907	-0.78	1.017	-1	506	21	506	64.7	34.0	66.3	64.9	91.1	-29.9	95.9	341.8	34.0	32.5	-11.6	34.5	340.1
569	470	520	520	25	73.6	37.3	88.9	0.497	0.252	67.5	99.2	-42.9	108.2	336.6	0.275	-0.111	0.066	37.3	38.1	-19.2	42.8	333.1	1.974	-0.953	1.147	-1	520	24	520	65.2	33.0	78.8	64.2	95.3	-41.2	103.9	336.6	33.0	33.8	-17.0	37.9	333.1
573	475	528	528	26	71.3	34.7	94.0	0.507	0.247	65.5	102.9	-49.8	114.3	334.1	0.278	-0.116	0.071	34.7	38.3	-22.4	44.4	329.6	2.054	-1.082	1.279	-1	528	25	528	63.1	30.7	83.3	62.3	98.8	-47.8	109.8	334.1	30.7	33.9	-19.8	39.3	329.6
580	480	537	537	27	66.0	30.0	97.8	0.524	0.238	61.7	108.0	-58.9	123.0	331.3	0.285	-0.123	0.08	30.0	37.5	-25.9	45.6	325.2	2.198	-1.302	1.519	-1	537	27	537	58.5	26.6	86.7	58.6	103.7	-56.6	118.2	331.3	26.6	33.2	-23.0	40.4	325.2
595	485	548	548	28	52.9	21.2	100.7	0.555	0.223	53.2	113.0	-75.4	135.9	326.3	0.297	-0.14	0.099	21.2	32.7	-30.9	45.1	316.6	2.491	-1.894	2.122	-1	548	29	548	46.9	18.8	89.2	50.5	108.5	-72.4	130.5	326.3	18.8	29.0	-27.4	39.9	316.6
490c	490	459	565	29	18.0	6.2	102.8	0.592	0.204	29.9	89.0	-116.9	147.0	307.3	0.312	-0.213	0.116	6.2	12.1	-38.3	40.3	287.4	2.899	-6.636	6.501	11	459	33	565	15.9	5.5	91.0	28.1	85.5	-112.3	141.2	307.3	5.5	10.7	-33.9	35.7	287.4
495c	495	462	566	30																																						