***rgb*$_{e,ab}$*- und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für *Ostwald*-Farben für CIE-Lichtart D65**
***Yxy, abc$_{AB}$, ABC$_{AB}$, LabC*$_{ab}h_{ab}$*-Daten fü relative Stufung des Elementarbunttons h_{ab} von *CIELAB* für CIE-2-Grad Beobachter**
Elementar-Bunttonkreis mit 4 Ziel-Elementar-Bunttonwinkeln: h_{ab} = 25.6, 92.4, 162.1, 271.5 von *CIELAB* und 16 Ziel-Buntonwinkeln:
25.6 42.3 59.0 75.7 92.4 109.8 127.2 144.7 162.1 189.4 216.8 244.1 271.5 300.0 328.5 357.1
CIELAB-Daten CIE-Testfarben 9 (R): 40.0 58.9 28.3, 10 (Y): 81.3 −3.0 71.8, 11 (G): 52.2 −42.3 13.6, 12 (B): 30.5 1.2 −46.3

no.$_{ab}$	*Y*	*x*	*y*	*a*	*b*	c_{AB}	*A*	*B*	C_{AB}	h_{AB}	*L**	*a**	*b**	C^*_{ab}	h_{ab}	*rgb**$_{e,ab}$	*Code*$_{ab}$
000	41.2	0.516	0.321	1.603	−0.201	0.693	26.9	9.6	28.5	19.7	70.3	70.8	33.7	78.4	25.4	1.00 0.00 0.00	% R00Y
001	41.5	0.571	0.371	1.539	−0.06	0.698	24.5	15.5	29.0	32.4	70.5	65.1	71.7	96.9	47.7	1.00 0.25 0.00	% R25Y
002	41.7	0.593	0.396	1.497	−0.01	0.693	22.8	17.7	28.9	37.8	70.7	61.2	106.6	122.9	60.1	1.00 0.50 0.00	% R50Y
003	58.9	0.546	0.452	1.208	−0.001	0.505	15.2	25.5	29.7	59.2	81.2	34.9	137.4	141.8	75.7	1.00 0.75 0.00	% R75Y
004	84.1	0.473	0.517	0.913	−0.006	0.43	−3.0	36.0	36.2	94.8	93.5	−6.1	141.7	141.9	92.4	1.00 1.00 0.00	% Y00G
005	89.6	0.406	0.552	0.735	−0.03	0.459	−19.2	36.3	41.1	117.9	95.8	−39.5	113.6	120.3	109.1	0.75 1.00 0.00	% Y25G
006	79.6	0.332	0.605	0.549	−0.04	0.562	−31.9	31.4	44.7	135.4	91.5	−77.3	101.1	127.3	127.3	0.50 1.00 0.00	% Y50G
007	67.8	0.247	0.635	0.389	−0.073	0.667	−38.0	24.5	45.2	147.1	85.9	−112.9	78.7	137.6	145.1	0.25 1.00 0.00	% Y75G
008	61.8	0.189	0.536	0.353	−0.203	0.64	−36.9	14.3	39.6	158.7	82.8	−119.6	38.1	125.5	162.3	0.00 1.00 0.00	% G00B
009	58.9	0.165	0.35	0.472	−0.552	0.491	−28.1	−6.8	28.9	193.7	81.2	−87.0	−13.8	88.1	189.0	0.00 1.00 0.50	% G25B
010	45.5	0.142	0.253	0.563	−0.955	0.647	−17.6	−23.6	29.5	233.3	73.2	−61.4	−46.0	76.8	216.8	0.00 1.00 1.00	% G50B
011	29.4	0.128	0.186	0.69	−1.474	1.071	−7.6	−30.5	31.5	255.9	61.1	−33.6	−66.7	74.7	243.2	0.00 0.50 1.00	% G75B
012	18.8	0.127	0.129	0.981	−2.291	1.856	0.5	−34.9	34.9	270.9	50.4	3.1	−84.7	84.7	272.1	0.00 0.00 1.00	% B00R
013	8.9	0.136	0.067	2.02	−4.722	4.418	9.5	−38.2	39.4	284.0	35.8	63.8	−108.4	125.8	300.5	0.50 0.00 1.00	% B25R
014	26.3	0.329	0.14	2.344	−1.51	1.76	36.7	−28.3	46.3	322.3	58.3	112.5	−65.8	130.3	329.6	1.00 0.00 1.00	% B50R
015	40.6	0.437	0.249	1.75	−0.5	0.802	32.5	−2.6	32.6	355.3	69.9	83.6	−7.0	83.9	355.1	1.00 0.00 0.50	% B75R
016	41.2	0.516	0.321	1.603	−0.201	0.693	26.9	9.6	28.5	19.7	70.3	70.8	33.7	78.4	25.4	1.00 0.00 0.00	% R00Y

CIEXYZ-Daten of CIE-Testfarben 9 (R): 20.6 11.2 4.3, 10 (Y): 54.8 59.0 12.0, 11 (G): 12.1 20.3 15.3, 12 (B): 6.2 6.4 27.6

5-stufige gleichabständige Graureihe mit Ziel-Helligkeit: *L = 0.0, 25.0, 50.0, 75.0, 100.0**

000	0.0	0.0	0.0	0.0	0.0	1.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00 0.00 0.00	% N000W
001	4.4	0.312	0.329	0.95	−0.435	0.01	0.0	0.0	0.0	77.1	25.0	0.0	0.0	0.0	0.0	0.25 0.25 0.25	% N025W
002	18.4	0.312	0.329	0.95	−0.435	0.01	0.0	0.0	0.0	57.4	50.0	0.0	0.0	0.0	0.0	0.50 0.50 0.50	% N050W
003	48.2	0.312	0.329	0.95	−0.435	0.01	0.0	0.0	0.0	22.9	75.0	0.0	0.0	0.0	0.0	0.75 0.75 0.75	% N075W
004	100.0	0.312	0.329	0.95	−0.435	0.01	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	1.00 1.00 1.00	% N100W

0−000000−L0 VG220−3N

***rgb*$_{e,ab}$*- und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für *Ostwald*-Farben für CIE-Lichtart D65**
***Yxy, abc$_{AB}$, ABC$_{AB}$, LabC*$_{ab}h_{ab}$*-Daten fü relative Stufung des Elementarbunttons h_{ab} von *CIELAB* für CIE-10-Grad Beobachter**
Elementar-Bunttonkreis mit 4 Ziel-Elementar-Bunttonwinkeln: h_{ab} = 25.9, 87.3, 158.8, 252.1 von *CIELAB* und 16 Ziel-Buntonwinkeln:
25.9 41.2 56.6 72.0 87.3 105.2 123.1 140.9 158.8 182.1 205.4 228.8 252.1 285.5 319.0 352.4
CIELAB-Daten CIE-Testfarben 9 (R): 39.2 54.5 26.4, 10 (Y): 79.5 3.2 71.0, 11 (G): 52.3 −39.6 15.3, 12 (B): 33.6 −12.8 −39.9

no.$_{ab,10}$	*Y*$_{10}$	x_{10}	y_{10}	a_{10}	b_{10}	$c_{AB,10}$	A_{10}	B_{10}	$C_{AB,10}$	$h_{AB,10}$	L^*_{10}	a^*_{10}	b^*_{10}	$C^*_{ab,10}$	$h_{ab,10}$	*rgb**$_{e,ab,10}$	*Code*$_{ab}$
000	40.4	0.542	0.33	1.642	−0.153	0.747	28.1	11.1	30.2	21.6	69.8	74.3	42.8	85.8	29.9	1.00 0.00 0.00	% R00Y
001	41.0	0.582	0.37	1.572	−0.051	0.73	25.6	15.5	29.9	31.1	70.2	68.2	75.3	101.7	47.8	1.00 0.25 0.00	% R25Y
002	41.8	0.594	0.396	1.501	−0.009	0.694	23.1	17.5	29.0	37.1	70.7	61.9	107.5	124.1	60.0	1.00 0.50 0.00	% R50Y
003	53.6	0.562	0.437	1.283	0.0	0.544	18.0	23.0	29.2	51.9	78.2	43.2	134.5	141.3	72.1	1.00 0.75 0.00	% R75Y
004	77.3	0.494	0.5	0.987	−0.004	0.427	3.0	32.8	33.0	84.7	90.4	6.2	144.2	144.4	87.5	1.00 1.00 0.00	% Y00G
005	90.3	0.421	0.529	0.795	−0.037	0.421	−13.8	35.4	38.0	111.3	96.1	−27.5	107.7	111.2	104.3	0.75 1.00 0.00	% Y25G
006	78.3	0.351	0.582	0.603	−0.045	0.516	−27.0	30.1	40.4	131.8	90.9	−64.4	97.3	116.7	123.5	0.50 1.00 0.00	% Y50G
007	42.4	0.576	0.376	1.531	−0.049	0.696	24.7	16.1	29.5	33.0	71.2	65.1	77.2	101.0	49.8	0.25 1.00 0.00	% Y75G
008	42.2	0.569	0.366	1.552	−0.069	0.703	25.5	15.2	29.7	30.7	71.0	67.0	68.3	95.7	45.5	0.00 1.00 0.00	% G00B
009	41.9	0.556	0.352	1.58	−0.103	0.711	26.5	13.6	29.8	27.2	70.8	69.5	56.4	89.5	39.0	0.00 1.00 0.50	% G25B
010	41.6	0.539	0.335	1.609	−0.148	0.718	27.5	11.6	29.8	22.9	70.6	71.9	44.4	84.5	31.6	0.00 1.00 1.00	% G50B
011	41.3	0.519	0.317	1.637	−0.204	0.725	28.4	9.2	29.9	18.0	70.4	74.4	32.5	81.2	23.6	0.00 0.50 1.00	% G75B
012	41.0	0.498	0.299	1.665	−0.27	0.734	29.4	6.5	30.1	12.4	70.2	76.7	21.1	79.6	15.4	0.00 0.00 1.00	% B00R
013	40.6	0.466	0.274	1.703	−0.378	0.756	30.6	2.0	30.7	3.8	69.9	79.8	6.1	80.0	4.3	0.50 0.00 1.00	% B25R
014	40.3	0.438	0.252	1.736	−0.49	0.79	31.7	−2.4	31.8	355.5	69.6	82.5	−6.7	82.7	355.3	1.00 0.00 1.00	% B50R
015	40.0	0.424	0.242	1.754	−0.55	0.815	32.2	−4.8	32.6	351.4	69.4	83.9	−12.7	84.8	351.3	1.00 0.00 0.50	% B75R
016	40.4	0.542	0.33	1.642	−0.153	0.747	28.1	11.1	30.2	21.6	69.8	74.3	42.8	85.8	29.9	1.00 0.00 0.00	% R00Y

CIEXYZ-Daten of CIE-Testfarben 9 (R): 19.0 10.8 4.3, 10 (Y): 54.3 55.9 11.0, 11 (G): 12.5 20.4 14.4, 12 (B): 6.1 7.8 26.5

5-stufige gleichabständige Graureihe mit Ziel-Helligkeit: *L = 0.0, 25.0, 50.0, 75.0, 100.0**

000	0.0	0.0	0.0	0.0	0.0	1.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00 0.00 0.00	% N000W
001	4.4	0.313	0.33	0.948	−0.429	0.01	0.0	0.0	0.0	77.0	25.0	0.0	0.0	0.0	0.0	0.25 0.25 0.25	% N025W
002	18.4	0.313	0.33	0.948	−0.429	0.01	0.0	0.0	0.0	55.3	50.0	0.0	0.0	0.0	0.0	0.50 0.50 0.50	% N050W
003	48.2	0.313	0.33	0.948	−0.429	0.01	0.0	0.0	0.0	23.1	75.0	0.0	0.0	0.0	0.0	0.75 0.75 0.75	% N075W
004	100.0	0.313	0.33	0.948	−0.429	0.01	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	1.00 1.00 1.00	% N100W

0−001000−L0 VG221−3N

***rgb*$_{e,ab}$*- und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für *Ostwald*-Farben für CIE-Lichtart D50**
***Yxy, abc$_{AB}$, ABC$_{AB}$, LabC*$_{ab}h_{ab}$*-Daten fü relative Stufung des Elementarbunttons h_{ab} von *CIELAB* für CIE-2-Grad Beobachter**
Elementar-Bunttonkreis mit 4 Ziel-Elementar-Bunttonwinkeln: h_{ab} = 27.1, 88.5, 164.3, 263.9 von *CIELAB* und 16 Ziel-Buntonwinkeln:
27.1 42.5 57.8 73.2 88.5 107.5 126.4 145.3 164.3 189.2 214.1 239.0 263.9 294.7 325.5 356.3
CIELAB-Daten CIE-Testfarben 9 (R): 41.8 61.9 31.7, 10 (Y): 81.9 1.7 71.5, 11 (G): 51.6 −41.1 11.5, 12 (B): 29.2 −5.2 −49.3

no.$_{ab}$	*Y*	*x*	*y*	*a*	*b*	c_{AB}	*A*	*B*	C_{AB}	h_{AB}	*L**	*a**	*b**	C^*_{ab}	h_{ab}	*rgb**$_{e,ab}$	*Code*$_{ab}$
000	41.8	0.559	0.338	1.655	−0.121	0.722	28.9	8.7	30.2	16.8	70.7	73.8	42.5	85.2	29.9	1.00 0.00 0.00	% R00Y
001	41.9	0.595	0.368	1.616	−0.039	0.714	27.3	12.1	29.9	24.0	70.8	70.3	76.0	103.6	47.2	1.00 0.25 0.00	% R25Y
002	42.2	0.608	0.384	1.58	−0.006	0.695	26.0	13.6	29.3	27.6	71.0	67.1	108.6	127.7	58.2	1.00 0.50 0.00	% R50Y
003	59.8	0.56	0.438	1.28	0.0	0.456	18.8	19.6	27.2	46.1	81.7	41.7	138.6	144.8	73.2	1.00 0.75 0.00	% R75Y
004	83.9	0.493	0.5	0.985	−0.005	0.325	1.7	27.2	27.3	86.3	93.4	3.3	141.4	141.5	88.6	1.00 1.00 0.00	% Y00G
005	89.5	0.422	0.544	0.776	−0.023	0.359	−16.8	27.4	32.1	121.5	95.8	−33.6	112.6	117.5	106.6	0.75 1.00 0.00	% Y25G
006	77.3	0.343	0.604	0.568	−0.033	0.494	−30.6	22.9	38.2	143.1	90.4	−74.1	97.7	122.6	127.1	0.50 1.00 0.00	% Y50G
007	67.6	0.264	0.626	0.421	−0.069	0.602	−36.7	17.6	40.7	154.3	85.8	−105.8	71.0	127.4	146.1	0.25 1.00 0.00	% Y75G
008	59.5	0.2	0.562	0.357	−0.168	0.628	−36.1	9.6	37.4	165.0	81.6	−118.5	33.8	123.2	164.0	0.00 1.00 0.00	% G00B
009	58.2	0.178	0.396	0.449	−0.428	0.524	−29.9	−5.7	30.5	190.8	80.8	−93.8	−15.1	95.0	189.1	0.00 1.00 0.50	% G25B
010	41.4	0.141	0.287	0.492	−0.794	0.662	−19.5	−19.2	27.4	224.5	70.5	−74.8	−50.7	90.4	214.1	0.00 1.00 1.00	% G50B
011	25.0	0.123	0.204	0.605	−1.312	1.045	−8.9	−24.5	26.1	249.9	57.0	−45.2	−73.6	86.4	238.3	0.00 0.50 1.00	% G75B
012	15.8	0.123	0.142	0.865	−2.06	1.733	−1.5	−27.3	27.3	266.7	46.7	−9.5	−90.9	91.4	263.9	0.00 0.00 1.00	% B00R
013	6.4	0.128	0.065	1.947	−4.899	4.674	6.3	−29.3	30.0	282.1	30.4	52.9	−116.8	128.2	294.3	0.50 0.00 1.00	% B25R
014	24.1	0.354	0.156	2.273	−1.253	1.601	31.6	−22.3	38.7	324.7	56.2	103.0	−69.8	124.4	325.8	1.00 0.00 1.00	% B50R
015	41.3	0.477	0.269	1.768	−0.374	0.806	33.2	−1.8	33.3	356.8	70.4	83.5	−6.4	83.7	355.5	1.00 0.00 0.50	% B75R
016	41.8	0.559	0.338	1.655	−0.121	0.722	28.9	8.7	30.2	16.8	70.7	73.8	42.5	85.2	29.9	1.00 0.00 0.00	% R00Y

CIEXYZ-Daten of CIE-Testfarben 9 (R): 23.3 12.4 3.2, 10 (Y): 58.8 60.2 9.5, 11 (G): 12.0 19.8 11.9, 12 (B): 5.2 5.9 21.2

5-stufige gleichabständige Graureihe mit Ziel-Helligkeit: *L = 0.0, 25.0, 50.0, 75.0, 100.0**

000	0.0	0.0	0.0	0.0	0.0	1.019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00 0.00 0.00	% N000W
001	4.4	0.345	0.358	0.964	−0.329	0.01	0.0	0.0	0.0	76.4	25.0	0.0	0.0	0.0	0.0	0.25 0.25 0.25	% N025W
002	18.4	0.345	0.358	0.964	−0.329	0.01	0.0	0.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.50 0.50 0.50	% N050W
003	48.2	0.345	0.358	0.964	−0.329	0.01	0.0	0.0	0.0	17.2	75.0	0.0	0.0	0.0	0.0	0.75 0.75 0.75	% N075W
004	100.0	0.345	0.358	0.964	−0.329	0.01	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	1.00 1.00 1.00	% N100W

0−000100−L0 VG220−7N

***rgb*$_{e,ab}$*- und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für *Ostwald*-Farben für CIE-Lichtart D50**
***Yxy, abc$_{AB}$, ABC$_{AB}$, LabC*$_{ab}h_{ab}$*-Daten fü relative Stufung des Elementarbunttons h_{ab} von *CIELAB* für CIE-10-Grad Beobachter**
Elementar-Bunttonkreis mit 4 Ziel-Elementar-Bunttonwinkeln: h_{ab} = 27.8, 84.4, 160.7, 247.9 von *CIELAB* und 16 Ziel-Buntonwinkeln:
27.8 42.0 56.1 70.3 84.4 103.5 122.6 141.7 160.7 182.5 204.3 226.1 247.9 282.9 317.9 352.9
CIELAB-Daten CIE-Testfarben 9 (R): 41.2 57.0 30.1, 10 (Y): 80.5 6.9 71.5, 11 (G): 51.8 −38.5 13.4, 12 (B): 32.0 −17.6 −43.6

no.$_{ab,10}$	*Y*$_{10}$	x_{10}	y_{10}	a_{10}	b_{10}	$c_{AB,10}$	A_{10}	B_{10}	$C_{AB,10}$	$h_{AB,10}$	L^*_{10}	a^*_{10}	b^*_{10}	$C^*_{ab,10}$	$h_{ab,10}$	*rgb**$_{e,ab,10}$	*Code*$_{ab}$
000	43.7	0.553	0.345	1.602	−0.116	0.668	27.7	9.1	29.2	18.2	72.0	69.5	44.0	82.3	32.3	1.00 0.00 0.00	% R00Y
001	44.0	0.585	0.373	1.565	−0.043	0.661	26.3	12.4	29.1	25.2	72.2	66.2	74.1	99.4	48.2	1.00 0.25 0.00	% R25Y
002	42.2	0.602	0.383	1.57	−0.014	0.679	25.4	13.1	28.6	27.3	71.0	65.7	97.2	117.4	55.9	1.00 0.50 0.00	% R50Y
003	54.8	0.575	0.424	1.354	0.0	0.505	21.2	17.8	27.7	40.0	78.9	48.6	135.9	144.4	70.3	1.00 0.75 0.00	% R75Y
004	77.5	0.513	0.483	1.061	−0.002	0.336	7.2	25.0	26.0	73.7	90.5	14.4	145.9	146.6	84.3	1.00 1.00 0.00	% Y00G
005	88.4	0.437	0.528	0.827	−0.025	0.33	−12.3	26.5	29.2	114.9	95.3	−24.2	109.4	112.1	102.4	0.75 1.00 0.00	% Y25G
006	76.6	0.365	0.582	0.627	−0.035	0.446	−26.0	22.2	34.2	139.5	90.1	−61.4	95.3	113.3	122.7	0.50 1.00 0.00	% Y50G
007	65.0	0.284	0.622	0.456	−0.06	0.575	−33.2	17.2	37.4	152.5	84.5	−95.8	74.5	121.4	142.1	0.25 1.00 0.00	% Y75G
008	57.8	0.216	0.576	0.375	−0.144	0.619	−34.2	10.5	35.8	162.9	80.6	−112.7	39.6	119.5	160.6	0.00 1.00 0.00	% G00B
009	56.5	0.185	0.435	0.426	−0.348	0.541	−30.5	−1.2	30.6	182.4	79.9	−98.8	−3.7	98.9	182.1	0.00 1.00 0.50	% G25B
010	56.3	0.177	0.338	0.522	−0.571	0.508	−25.0	−13.8	28.6	208.9	79.8	−76.6	−34.0	83.8	203.9	0.00 1.00 1.00	% G50B
011	31.6	0.13	0.243	0.533	−1.027	0.825	−13.7	−22.1	26.0	238.2	63.0	−61.2	−63.5	88.3	226.0	0.00 0.50 1.00	% G75B
012	20.9	0.123	0.18	0.681	−1.542	1.249	−5.9	−25.4	26.1	256.7	52.8	−32.7	−80.6	87.0	247.9	0.00 0.00 1.00	% B00R
013	10.2	0.13	0.1	1.297	−3.058	2.752	3.3	−28.0	28.2	276.9	38.3	24.1	−103.9	106.6	283.0	0.50 0.00 1.00	% B25R
014	21.2	0.309	0.153	2.023	−1.403	1.509	22.4	−22.9	32.0	314.4	53.2	83.2	−74.9	111.9	318.0	1.00 0.00 1.00	% B50R
015	43.3	0.462	0.27	1.71	−0.396	0.746	32.2	−3.0	32.3	354.5	71.7	79.1	−10.2	79.8	352.6	1.00 0.00 0.50	% B75R
016	43.7	0.553	0.345	1.602	−0.116	0.668	27.7	9.1	29.2	18.2	72.0	69.5	44.0	82.3	32.3	1.00 0.00 0.00	% R00Y

CIEXYZ-Daten of CIE-Testfarben 9 (R): 21.6 11.9 3.2, 10 (Y): 58.6 57.6 8.6, 11 (G): 12.6 19.9 11.2, 12 (B): 5.2 7.1 20.6

5-stufige gleichabständige Graureihe mit Ziel-Helligkeit: *L = 0.0, 25.0, 50.0, 75.0, 100.0**

000	0.0	0.0	0.0	0.0	0.0	1.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00 0.00 0.00	% N000W
001	4.4	0.347	0.359	0.967	−0.325	0.01	0.0	0.0	0.0	77.1	25.0	0.0	0.0	0.0	0.0	0.25 0.25 0.25	% N025W
002	18.4	0.347	0.359	0.967	−0.325	0.01	0.0	0.0	0.0	51.5	50.0	0.0	0.0	0.0	0.0	0.50 0.50 0.50	% N050W
003	48.2	0.347	0.359	0.967	−0.325	0.01	0.0	0.0	0.0	20.8	75.0	0.0	0.0	0.0	0.0	0.75 0.75 0.75	% N075W
004	99.9	0.347	0.359	0.967	−0.325	0.01	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	1.00 1.00 1.00	% N100W

0−000000−L0 VG220−7X