

http://130.149.60.45/~farbmetrik/VE20/VE20L0NA.TXT /PS; start output
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rgb^*_{eAB} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D65
 $Y_{xy}, abc_{AB}, ABC_{AB}, LabC^*_{ab}h_{ab}$ data for relative spacing of elementary hue h_{AB} of LINYAB for CIE 2 degree observer
Elementary hue circle with 4 intended elementary hue angles: $h_{AB} = 17.7, 93.3, 159.1, 270.8$ of LINYAB, and 16 intended hue angles:
17.7 36.6 55.5 74.4 93.3 109.7 126.2 142.7 159.1 187.0 214.9 242.8 270.8 297.5 324.2 351.0
LINYAB data of CIE test colours 9 (R): 11.2 9.9 3.1, 10 (Y): 59.0 -1.2 20.9, 11 (G): 20.3 -7.2 2.7, 12 (B): 6.4 0.1 -8.2

no_{AB}	Y	x	y	a	b	C_{AB}	A	B	C_{AB}	h_{AB}	L^*	a^*	b^*	C^*_{ab}	h_{ab}	rgb^*_{eAB}	$Code_{AB}$
000	41.1	0.508	0.314	1.615	-0.224	0.697	27.3	8.6	28.7	17.5	70.2	71.9	29.3	77.6	22.2	1.00 0.00 0.00	% R00Y
001	41.7	0.59	0.393	1.499	-0.016	0.691	22.9	17.5	28.8	37.3	70.7	61.3	99.1	116.6	58.2	1.00 0.25 0.00	% R25Y
002	56.0	0.554	0.444	1.249	0.0	0.527	16.7	24.3	29.5	55.5	79.6	39.3	135.2	140.8	73.7	1.00 0.50 0.00	% R50Y
003	69.3	0.516	0.481	1.072	-0.002	0.45	8.5	30.0	31.2	74.2	86.7	18.2	143.3	144.5	82.7	1.00 0.75 0.00	% R75Y
004	83.1	0.476	0.515	0.923	-0.006	0.43	-2.1	35.6	35.7	93.5	93.0	-4.4	142.7	142.8	91.7	1.00 1.00 0.00	% Y00G
005	92.9	0.429	0.533	0.805	-0.027	0.433	-13.4	37.9	40.2	108.9	97.1	-26.2	117.8	120.7	102.5	0.75 1.00 0.00	% Y25G
006	84.5	0.373	0.575	0.649	-0.035	0.5	-25.4	33.8	42.3	126.9	93.6	-56.2	107.3	121.2	116.0	0.50 1.00 0.00	% Y50G
007	71.9	0.276	0.634	0.435	-0.056	0.639	-37.0	27.2	46.0	143.6	87.9	-102.5	88.5	135.4	139.2	0.25 1.00 0.00	% Y75G
008	61.7	0.188	0.532	0.354	-0.21	0.637	-36.8	13.9	39.3	159.2	82.8	-119.3	36.7	124.8	162.8	0.00 1.00 0.00	% G00B
009	59.0	0.166	0.375	0.443	-0.407	0.509	-29.9	-3.0	30.1	185.8	81.3	-94.1	-6.4	94.3	183.9	0.00 1.00 0.50	% G25B
010	58.2	0.163	0.296	0.552	-0.727	0.494	-23.2	-17.0	28.7	216.2	80.8	-69.1	-31.1	75.8	204.2	0.00 1.00 1.00	% G50B
011	38.6	0.134	0.227	0.59	-1.124	0.776	-13.8	-26.6	30.0	242.5	68.5	-53.0	-54.1	77.5	225.6	0.00 0.50 1.00	% G75B
012	18.7	0.127	0.129	0.985	-2.302	1.867	0.6	-34.9	34.9	271.0	50.3	3.4	-84.8	84.9	272.3	0.00 0.00 1.00	% B00R
013	10.6	0.204	0.075	2.711	-3.816	3.812	18.8	-36.1	40.7	297.5	39.0	99.2	-100.7	141.4	314.5	0.50 0.00 1.00	% B25R
014	29.3	0.338	0.152	2.224	-1.338	1.561	37.3	-26.4	45.8	324.6	61.0	108.8	-60.3	124.4	331.0	1.00 0.00 1.00	% B50R
015	40.5	0.423	0.237	1.784	-0.572	0.845	33.8	-5.5	34.2	358.6	69.8	86.4	-14.1	87.5	350.7	1.00 0.00 0.50	% B75R
016	41.1	0.508	0.314	1.615	-0.224	0.697	27.3	8.6	28.7	17.5	70.2	71.9	29.3	77.6	22.2	1.00 0.00 0.00	% R00Y

CIEXYZ data of CIE test colours 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 step equidistant grey scale with intended lightness: $L^* = 0.0, 25.0, 50.0, 75.0, 100.0$

no_{AB}	Y	x	y	a	b	C_{AB}	A	B	C_{AB}	h_{AB}	L^*	a^*	b^*	C^*_{ab}	h_{ab}	rgb^*_{eAB}	$Code_{AB}$
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

1-000000-L0 VE200-3N

rgb^*_{eAB} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D50
 $Y_{xy}, abc_{AB}, ABC_{AB}, LabC^*_{ab}h_{ab}$ data for relative spacing of elementary hue h_{AB} of LINYAB for CIE 2 degree observer
Elementary hue circle with 4 intended elementary hue angles: $h_{AB} = 13.9, 87.3, 165.9, 266.0$ of LINYAB, and 16 intended hue angles:
13.9 32.2 50.6 69.0 87.3 107.0 126.6 146.2 165.9 190.9 216.0 241.0 266.0 293.0 319.9 346.9
LINYAB data of CIE test colours 9 (R): 12.4 11.3 2.8, 10 (Y): 60.2 0.7 16.0, 11 (G): 19.8 -7.0 1.7, 12 (B): 5.9 -0.4 -6.5

no_{AB}	Y	x	y	a	b	C_{AB}	A	B	C_{AB}	h_{AB}	L^*	a^*	b^*	C^*_{ab}	h_{ab}	rgb^*_{eAB}	$Code_{AB}$
000	41.8	0.545	0.328	1.662	-0.153	0.72	29.2	7.3	30.1	14.2	70.7	74.4	33.7	81.7	24.3	1.00 0.00 0.00	% R00Y
001	46.5	0.598	0.401	1.491	0.0	0.622	24.5	15.3	28.9	32.0	73.9	60.6	127.1	140.8	64.4	1.00 0.25 0.00	% R25Y
002	63.0	0.551	0.447	1.233	-0.001	0.425	17.0	20.7	26.8	50.6	83.4	36.7	141.0	145.8	75.4	1.00 0.50 0.00	% R50Y
003	74.3	0.52	0.476	1.091	-0.002	0.351	9.4	24.3	26.1	68.7	89.0	19.1	146.4	147.6	82.5	1.00 0.75 0.00	% R75Y
004	84.6	0.491	0.502	0.978	-0.005	0.325	1.1	27.4	27.5	87.5	93.7	2.2	141.0	141.0	89.0	1.00 1.00 0.00	% Y00G
005	93.3	0.454	0.52	0.873	-0.018	0.324	-8.4	29.0	30.2	106.2	97.7	-15.8	120.6	121.6	97.4	0.75 1.00 0.00	% Y25G
006	87.4	0.408	0.555	0.735	-0.025	0.38	-19.9	26.6	33.2	126.8	94.9	-41.1	109.6	117.1	110.5	0.50 1.00 0.00	% Y50G
007	73.7	0.32	0.62	0.515	-0.038	0.535	-33.0	21.5	39.4	146.9	88.8	-85.0	92.6	125.8	132.5	0.25 1.00 0.00	% Y75G
008	59.4	0.199	0.557	0.358	-0.174	0.625	-36.0	9.2	37.1	165.6	81.5	-118.1	32.1	122.4	164.7	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	198.0	80.8	-93.8	-15.2	95.9	189.2	0.00 1.00 0.50	% G25B
010	49.3	0.156	0.315	0.496	-0.667	0.577	-23.1	-16.6	28.4	215.8	75.6	-78.4	-41.8	88.9	208.0	0.00 1.00 1.00	% G50B
011	30.3	0.127	0.235	0.541	-1.081	0.862	-12.8	-22.8	26.2	240.6	61.9	-58.7	-65.2	87.8	228.0	0.00 0.50 1.00	% G75B
012	16.0	0.123	0.144	0.853	-2.029	1.702	-1.7	-27.2	27.3	266.2	47.0	-10.8	-90.4	91.0	263.1	0.00 0.00 1.00	% B00R
013	7.6	0.18	0.073	2.456	-4.058	4.015	11.4	-28.5	30.7	219.8	33.3	77.6	-111.1	135.5	304.9	0.50 0.00 1.00	% B25R
014	21.9	0.339	0.147	2.299	-1.388	1.703	29.2	-23.2	37.3	321.6	53.9	101.3	-74.0	125.5	323.8	1.00 0.00 1.00	% B50R
015	40.6	0.441	0.239	1.841	-0.533	0.901	35.7	-8.2	36.6	346.9	69.9	89.2	-25.7	92.8	343.8	1.00 0.00 0.50	% B75R
016	41.8	0.545	0.328	1.662	-0.153	0.72	29.2	7.3	30.1	14.2	70.7	74.4	33.7	81.7	24.3	1.00 0.00 0.00	% R00Y

CIEXYZ data of CIE test colours 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 step equidistant grey scale with intended lightness: $L^* = 0.0, 25.0, 50.0, 75.0, 100.0$

no_{AB}	Y	x	y	a	b	C_{AB}	A	B	C_{AB}	h_{AB}	L^*	a^*	b^*	C^*_{ab}	h_{ab}	rgb^*_{eAB}	$Code_{AB}$
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

1-001000-L0 VE200-7N

TUB-test chart VE20; CIE data for 16 Ostwald colours input: w/rgb/cmyk ->
CIEXYZ, Y_{xy} , $YABCABh$, $LabCabh$ data, CIE illuminants D65 and D50, CIE 2 and 10 degree observer

rgb^*_{eAB} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D65
 $Y_{xy}, abc_{AB}, ABC_{AB}, LabC^*_{ab}h_{ab}$ data for relative spacing of elementary hue h_{AB} of LINYAB for CIE 10 degree observer
Elementary hue circle with 4 intended elementary hue angles: $h_{AB} = 18.2, 86.3, 156.2, 260.1$ of LINYAB, and 16 intended hue angles:
18.2 35.2 52.2 69.2 86.3 103.7 121.2 138.7 156.2 182.2 208.1 234.1 260.1 289.6 319.1 348.7
LINYAB data of CIE test colours 9 (R): 10.8 8.7 2.8, 10 (Y): 55.9 1.2 19.6, 11 (G): 20.4 -6.8 3.0, 12 (B): 7.8 -1.2 -7.2

no_{AB}	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}	$C^*_{ab,10}$	$h_{ab,10}$	$rgb^*_{eAB,10}$	$Code_{AB}$	
000	40.6	0.49	0.303	1.617	-0.273	0.687	27.1	6.3	27.9	13.1	69.9	72.1	20.7	75.0	16.0	1.00 0.00 0.00	% R00Y
001	41.9	0.57	0.381	1.496	-0.049	0.667	22.9	15.9	27.9	34.6	70.8	61.4	76.6	98.2	51.2	1.00 0.25 0.00	% R25Y
002	54.0	0.56	0.438	1.277	0.0	0.541	17.8	23.2	29.2	52.4	78.5	42.6	134.9	141.5	72.4	1.00 0.50 0.00	% R50Y
003	66.4	0.525	0.473	1.109	-0.001	0.457	10.7	28.4	30.3	69.2	85.2	23.5	142.9	144.8	80.6	1.00 0.75 0.00	% R75Y
004	78.3	0.491	0.503	0.975	-0.004	0.426	2.1	33.2	33.3	86.2	90.9	4.4	143.6	143.6	88.2	1.00 1.00 0.00	% Y00G
005	91.3	0.445	0.519	0.857	-0.027	0.412	-8.2	36.7	37.6	102.6	96.5	-15.9	116.7	117.7	97.7	0.75 1.00 0.00	% Y25G
006	85.3	0.394	0.552	0.713	-0.038	0.455	-20.0	33.3	38.8	120.9	94.0	-42.8	104.7	113.1	112.2	0.50 1.00 0.00	% Y50G
007	72.0	0.309	0.603	0.511	-0.057	0.573	-31.4	26.7	41.2	139.5	87.9	-83.2	87.3	120.6	133.6	0.25 1.00 0.00	% Y75G
008	42.1	0.501	0.319	1.567	-0.224	0.652	26.0	8.6	27.4	18.3	70.9	68.3	29.1	74.2	23.1	0.00 1.00 0.00	% G00B
009	41.7	0.484	0.393	1.596	-0.279	0.665	27.0	6.2	27.8	13.8	70.7	70.9	19.9	73.6	15.6	0.00 1.00 0.50	% G25B
010	41.4	0.469	0.288	1.626	-0.334	0.684	28.1	3.9	28.3	7.9	70.5	73.4	11.8	74.3	9.1	0.00 1.00 1.00	% G50B
011	41.1	0.456	0.275	1.655	-0.389	0.708	29.1	1.6	29.1	3.2	70.2	75.8	4.7	76.0	3.6	0.00 0.50 1.00	% G75B
012	40.8	0.444	0.264	1.683	-0.441	0.735	30.0	-0.4	30.0	359.0	70.8	78.2	-1.3	78.2	359.0	0.00 0.00 1.00	% B00R
013	40.5	0.433	0.252	1.712	-0.496	0.767	31.0	-2.7	31.1	355.0	69.8	80.6	-7.2	80.9	354.8	0.50 0.00 1.00	% B25R
014	40.2	0.424	0.243	1.738	-0.544	0.798	31.8	-4.6	32.1	351.7	69.6	82.7	-12.1	83.5	351.6	1.00 0.00 1.00	% B50R
015	40.0	0.417	0.237	1.76	-0.583	0.826	32.5	-6.1	33.0	349.2	69.5	84.3	-15.8	85.8	349.3	1.00 0.00 0.50	% B75R
016	40.6	0.49	0.303	1.617	-0.273	0.687	27.1	6.3	27.9	13.1	69.9	72.1	20.7	75.0	16.0	1.00 0.00 0.00	% R00Y