

**$rgb^*_e$  and CIE data of a elementary hue circle according to CIE R1-47 for *Ostwald* colours**

***XYZ, xy, YAB, and Lab\** data for relative spacing of elementary hue  $h_{ab}$  of CIELAB,  $Y_W=100, Y_N=2,5$**

**16 step elementary hue circle with intended elementary hues:  $h_{ab} = 25.4, 92.3, 162.2, 271.7$  of CIELAB**

	<i>X</i>	<i>Y</i>	<i>Z</i>	<i>x</i>	<i>y</i>	<i>A</i>	<i>B</i>	<i>C<sub>AB</sub></i>	<i>h<sub>AB</sub></i>	<i>L*</i>	<i>a*</i>	<i>b*</i>	<i>C*<sub>ab</sub></i>	<i>h<sub>ab</sub></i>	<i>rgb</i> -> <i>rgb*<sub>e</sub></i>
<b><i>R00Y=R</i></b>	66.0	41.1	20.9	0.515	0.321	26.9	9.5	28.5	19.5	70.3	70.9	33.4	78.4	<b>25.2</b>	<b>1.00 0.00 0.00</b>
<b><i>R25Y</i></b>	64.0	41.5	6.4	0.571	0.371	24.5	15.5	29.0	32.3	70.5	65.1	71.4	96.6	<b>47.6</b>	<b>1.00 0.25 0.00</b>
<b><i>R50Y</i></b>	62.6	41.7	1.0	0.593	0.396	22.8	17.7	28.9	37.8	70.7	61.2	106.3	122.7	<b>60.0</b>	<b>1.00 0.50 0.00</b>
<b><i>R75Y</i></b>	71.1	58.7	0.1	0.546	0.451	15.3	25.5	29.7	59.0	81.1	35.2	137.3	141.7	<b>75.6</b>	<b>1.00 0.75 0.00</b>
<b><i>Y00G=Y</i></b>	76.8	83.9	1.3	0.473	0.517	-2.9	36.0	36.1	94.7	93.4	-5.9	141.9	142.0	<b>92.3</b>	<b>1.00 1.00 0.00</b>
<b><i>Y25G</i></b>	65.9	89.6	6.7	0.406	0.552	-19.2	36.3	41.1	117.8	95.8	-39.4	113.6	120.3	<b>109.1</b>	<b>0.75 1.00 0.00</b>
<b><i>Y50G</i></b>	43.7	79.6	8.1	0.332	0.605	-31.9	31.4	44.7	135.4	91.5	-77.3	101.2	127.3	<b>127.3</b>	<b>0.50 1.00 0.00</b>
<b><i>Y75G</i></b>	26.4	67.7	12.4	0.247	0.635	-38.0	24.5	45.2	147.1	85.9	-113.0	78.6	137.7	<b>145.1</b>	<b>0.25 1.00 0.00</b>
<b><i>G00B=G</i></b>	21.8	61.8	31.6	0.189	0.536	-36.9	14.2	39.5	158.8	82.8	-119.5	57.9	125.4	<b>162.3</b>	<b>0.00 1.00 0.00</b>
<b><i>G25B</i></b>	27.8	58.9	81.5	0.165	0.349	-28.1	-6.9	28.9	193.9	81.2	-86.9	-13.9	88.0	<b>189.1</b>	<b>0.00 1.00 0.50</b>
<b><i>G50B</i></b>	25.6	45.4	108.7	0.142	0.252	-17.5	-23.7	29.5	233.5	73.1	-61.3	-46.1	76.7	<b>216.9</b>	<b>0.00 1.00 1.00</b>
<b><i>G75B</i></b>	20.2	29.3	108.4	0.128	0.185	-7.6	-30.6	31.5	256.0	61.0	-33.4	-66.8	74.7	<b>243.4</b>	<b>0.00 0.50 1.00</b>
<b><i>B00R=B</i></b>	18.4	18.7	107.7	0.127	0.129	0.6	-34.9	34.9	271.0	50.4	3.3	-84.8	84.9	<b>272.2</b>	<b>0.00 0.00 1.00</b>
<b><i>B25R</i></b>	18.0	8.8	105.2	0.136	0.067	9.5	-38.2	39.4	284.0	35.7	64.2	-108.5	126.1	<b>300.6</b>	<b>0.50 0.00 1.00</b>
<b><i>B50R</i></b>	61.7	26.3	99.4	0.329	0.14	36.7	-28.3	46.3	322.3	58.3	112.5	-65.8	130.3	<b>329.6</b>	<b>1.00 0.00 1.00</b>
<b><i>B75R</i></b>	71.2	40.6	51.0	0.437	0.249	32.5	-2.6	32.6	355.2	69.9	83.6	-7.1	83.9	<b>355.1</b>	<b>1.00 0.00 0.50</b>

**5 step equidistant grey scale with intended lightness:  $L^* = 18.0, 38.5, 59.0, 79.5, 100.0$**

<b><i>N000W=N</i></b>	2.3	2.5	2.7	0.312	0.329	0.0	0.0	0.0	79.8	<b>18.0</b>	0.0	0.0	0.0	0.0	<b>0.00 0.00 0.00</b>
<b><i>N025W</i></b>	9.8	10.3	11.2	0.312	0.329	0.0	0.0	0.0	69.4	<b>38.5</b>	0.0	0.0	0.0	0.0	<b>0.25 0.25 0.25</b>
<b><i>N050W</i></b>	25.6	27.0	29.4	0.312	0.329	0.0	0.0	0.0	43.7	<b>59.0</b>	0.0	0.0	0.0	0.0	<b>0.50 0.50 0.50</b>
<b><i>N075W</i></b>	53.0	55.8	60.7	0.312	0.329	0.0	0.0	0.0	17.2	<b>79.5</b>	0.0	0.0	0.0	0.0	<b>0.75 0.75 0.75</b>
<b><i>N100W=W</i></b>	95.0	100.0	108.8	0.312	0.329	0.0	0.0	0.0	0.0	<b>100.0</b>	0.0	0.0	0.0	0.0	<b>1.00 1.00 1.00</b>