

|                                                                                                                                                                                                                             |          |          |          |          |                        |          |          |                        |                        |            |            |            |                          |                        |                              |                           |         |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|----------|----------|------------------------|----------|----------|------------------------|------------------------|------------|------------|------------|--------------------------|------------------------|------------------------------|---------------------------|---------|---|
| <b><i>rgb</i>*<sub>e,AB</sub> and CIE data of a elementary hue circle according to CIE R1-47 for <i>Ostwald</i> colours for CIE illuminant D50</b>                                                                          |          |          |          |          |                        |          |          |                        |                        |            |            |            |                          |                        |                              |                           |         | # |
| <b><i>Yxy, abc</i><sub>AB</sub>, <i>ABC</i><sub>AB</sub>, <i>LabC</i>*<sub>ab</sub>, <i>h</i><sub>ab</sub> data for relative spacing of elementary hue <i>h</i><sub>AB</sub> of <i>LINYAB</i> for CIE 2 degree observer</b> |          |          |          |          |                        |          |          |                        |                        |            |            |            |                          |                        |                              |                           |         | # |
| <b>Elementary hue circle with 4 intended elementary hue angles: <i>h</i><sub>AB</sub> = 13.9, 87.3, 165.9, 266.0 of <i>LINYAB</i>, and 16 intended hue angles:</b>                                                          |          |          |          |          |                        |          |          |                        |                        |            |            |            |                          |                        |                              |                           |         | # |
| 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                        |                           |         | # |
| <b>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</b>                                                                                            |          |          |          |          |                        |          |          |                        |                        |            |            |            |                          |                        |                              |                           |         | # |
| <i>no</i> <sub>AB</sub> <i>Y</i>                                                                                                                                                                                            | <i>x</i> | <i>y</i> | <i>a</i> | <i>b</i> | <i>c</i> <sub>AB</sub> | <i>A</i> | <i>B</i> | <i>C</i> <sub>AB</sub> | <i>h</i> <sub>AB</sub> | <i>L</i> * | <i>a</i> * | <i>b</i> * | <i>C</i> * <sub>ab</sub> | <i>h</i> <sub>ab</sub> | <i>rgb</i> * <sub>e,AB</sub> | <i>Code</i> <sub>AB</sub> | #       |   |
| 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      | 97.3       | -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                   | 190.8      | 80.8       | -93.8      | -15.2                    | 95.0                   | 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                   | 291.8      | 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  | # |
| <b>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</b>                                                                                            |          |          |          |          |                        |          |          |                        |                        |            |            |            |                          |                        |                              |                           |         | # |
| <b>5 step equidistant grey scale with intended lightness: <i>L</i>* = 0.0, 25.0, 50.0, 75.0, 100.0</b>                                                                                                                      |          |          |          |          |                        |          |          |                        |                        |            |            |            |                          |                        |                              |                           |         | # |
| 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 | # |