

***rgb* → *rgb*\* and CIE data of a elementary hue circle according to CIE R1-47:2009 for sRGB display  $L_F=10\%$**

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

| <b><i>Code</i></b>   | <b><math>L^*_a</math></b> | <b><math>a^*_a</math></b> | <b><math>b^*_a</math></b> | <b><math>C^*_{ab,a}</math></b> | <b><math>h_{ab}</math></b> | <b><i>rgb</i> → <i>rgb</i>*</b> |
|----------------------|---------------------------|---------------------------|---------------------------|--------------------------------|----------------------------|---------------------------------|
| <b><i>r00j=R</i></b> | 58.8                      | 58.8                      | 28.0                      | 65.2                           | 25.4                       | 1.00 0.00 0.00                  |
| <b><i>r25j</i></b>   | 64.6                      | 43.1                      | 39.0                      | 58.1                           | 42.1                       | 1.00 0.25 0.00                  |
| <b><i>r50j</i></b>   | 70.8                      | 27.9                      | 46.4                      | 54.2                           | 58.9                       | 1.00 0.50 0.00                  |
| <b><i>r75j</i></b>   | 77.1                      | 13.7                      | 53.6                      | 55.3                           | 75.6                       | 1.00 0.75 0.00                  |
| <b><i>j00g=J</i></b> | 84.9                      | -2.5                      | 62.2                      | 62.2                           | 92.3                       | 1.00 1.00 0.00                  |
| <b><i>j25g</i></b>   | 92.1                      | -25.0                     | 69.6                      | 74.0                           | 109.7                      | 0.75 1.00 0.00                  |
| <b><i>j50g</i></b>   | 87.8                      | -48.5                     | 63.7                      | 80.1                           | 127.2                      | 0.50 1.00 0.00                  |
| <b><i>j75g</i></b>   | 85.4                      | -64.6                     | 45.6                      | 79.1                           | 144.7                      | 0.25 1.00 0.00                  |
| <b><i>g00b=G</i></b> | 86.4                      | -54.0                     | 17.3                      | 56.7                           | 162.2                      | 0.00 1.00 0.00                  |
| <b><i>g25b</i></b>   | 88.1                      | -42.4                     | -7.2                      | 43.0                           | 189.6                      | 0.00 1.00 0.50                  |
| <b><i>g50b</i></b>   | 81.5                      | -28.8                     | -21.7                     | 36.1                           | 216.9                      | 0.00 1.00 1.00                  |
| <b><i>g75b</i></b>   | 74.1                      | -15.8                     | -32.8                     | 36.5                           | 244.2                      | 0.00 0.50 1.00                  |
| <b><i>b00r=B</i></b> | 65.2                      | 1.4                       | -46.7                     | 46.7                           | 271.7                      | 0.00 0.00 1.00                  |
| <b><i>b25r</i></b>   | 46.8                      | 44.3                      | -76.2                     | 88.2                           | 300.1                      | 0.50 0.00 1.00                  |
| <b><i>b50r</i></b>   | 63.6                      | 75.6                      | -46.1                     | 88.6                           | 328.5                      | 1.00 0.00 1.00                  |
| <b><i>b75r</i></b>   | 60.2                      | 63.8                      | -3.2                      | 63.9                           | 357.0                      | 1.00 0.00 0.50                  |

**5 step equidistant grey scale:  $L^* = 37.9, 52.3, 66.6, 81.0, 95.4$**

| <b><i>Code</i></b>    | <b><math>L^*_a</math></b> | <b><math>a^*_a</math></b> | <b><math>b^*_a</math></b> | <b><math>C^*_{ab,a}</math></b> | <b><math>h_{ab}</math></b> | <b><i>rgb</i> → <i>rgb</i>*</b> |
|-----------------------|---------------------------|---------------------------|---------------------------|--------------------------------|----------------------------|---------------------------------|
| <b><i>n000w=N</i></b> | 37.9                      | 0.0                       | 0.0                       | 0.0                            | 0.0                        | 0.00 0.00 0.00                  |
| <b><i>n025w</i></b>   | 52.2                      | 0.0                       | 0.0                       | 0.0                            | 325.5                      | 0.25 0.25 0.25                  |
| <b><i>n050w</i></b>   | 66.7                      | 0.0                       | 0.0                       | 0.0                            | 324.4                      | 0.50 0.50 0.50                  |
| <b><i>n075w</i></b>   | 81.1                      | 0.0                       | 0.0                       | 0.0                            | 324.7                      | 0.75 0.75 0.75                  |
| <b><i>n100w=W</i></b> | 95.4                      | 0.0                       | 0.0                       | 0.0                            | 0.0                        | 1.00 1.00 1.00                  |