

***rgb* → *rgb\** and CIE data of a elementary hue circle  
according to CIE R1-47:2009 for sRGB display  $L_F=2,5\%$**

**3 colours of the elementary hues RJGB:  $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$**

| <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>   | 53.0                      | 72.6                      | 34.5                      | 80.4                           | 25.4                       | 1.00 0.00 0.00                  |
| <b><i>0,5(R+N)</i></b> | 35.5                      | 36.3                      | 17.2                      | 40.2                           | 25.4                       | 0.50 0.00 0.00                  |
| <b><i>0,5(R+W)</i></b> | 74.2                      | 36.3                      | 17.2                      | 40.2                           | 25.4                       | 1.00 0.50 0.50                  |
| <b><i>j00g=J</i></b>   | 83.8                      | -3.0                      | 77.4                      | 77.5                           | 92.2                       | 1.00 1.00 0.00                  |
| <b><i>0,5(J+N)</i></b> | 50.9                      | -1.5                      | 38.7                      | 38.7                           | 92.2                       | 0.50 0.50 0.00                  |
| <b><i>0,5(J+W)</i></b> | 89.6                      | -1.5                      | 38.7                      | 38.7                           | 92.2                       | 1.00 1.00 0.50                  |
| <b><i>g00b=G</i></b>   | 85.4                      | -61.5                     | 19.7                      | 64.6                           | 162.1                      | 0.00 1.00 0.00                  |
| <b><i>0,5(G+N)</i></b> | 51.7                      | -30.7                     | 9.8                       | 32.3                           | 162.1                      | 0.00 0.50 0.00                  |
| <b><i>0,5(G+W)</i></b> | 90.4                      | -30.7                     | 9.8                       | 32.3                           | 162.1                      | 0.50 1.00 0.50                  |
| <b><i>b00r=B</i></b>   | 60.9                      | 1.6                       | -53.5                     | 53.6                           | 271.7                      | 0.00 0.00 1.00                  |
| <b><i>0,5(B+N)</i></b> | 39.4                      | 0.8                       | -26.7                     | 26.8                           | 271.7                      | 0.00 0.00 0.50                  |
| <b><i>0,5(B+W)</i></b> | 78.1                      | 0.8                       | -26.7                     | 26.8                           | 271.7                      | 0.50 0.50 1.00                  |

**5 step equidistant grey scale:  $L^* = 18.0, 37.3, 56.7, 76.0, 95.4$**

| <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> | 18.0                      | 0.0                       | 0.0                       | 0.0                            | 0.0                        | 0.00 0.00 0.00                  |
| <b><i>n025w</i></b>   | 37.3                      | 0.0                       | 0.0                       | 0.0                            | 325.3                      | 0.25 0.25 0.25                  |
| <b><i>n050w</i></b>   | 56.7                      | 0.0                       | 0.0                       | 0.0                            | 324.8                      | 0.50 0.50 0.50                  |
| <b><i>n075w</i></b>   | 76.1                      | 0.0                       | 0.0                       | 0.0                            | 323.7                      | 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                  |