

**$rgb \rightarrow rgb^*$  and CIE data of a elementary hue circle  
according to CIE R1-47:2009 for sRGB display  $L_r=5\%$**

| <i>Code</i>                                                                                                          | $L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h_{ab}$ | $rgb \rightarrow rgb^*$ |      |      |
|----------------------------------------------------------------------------------------------------------------------|---------|---------|---------|--------------|----------|-------------------------|------|------|
| <b>Red <math>R</math> of the elementary hues <math>RJGB</math>: <math>h_{ab,a} = 25.4, 92.3, 162.2, 271.7</math></b> |         |         |         |              |          |                         |      |      |
| $r00j=R$                                                                                                             | 55.0    | 67.6    | 32.2    | 74.9         | 25.5     | 1.00                    | 0.00 | 0.00 |
| $0,5(R+N)$                                                                                                           | 40.9    | 33.8    | 16.1    | 37.4         | 25.5     | 0.50                    | 0.00 | 0.00 |
| $0,5(R+W)$                                                                                                           | 75.2    | 33.8    | 16.1    | 37.4         | 25.5     | 1.00                    | 0.50 | 0.50 |

**5 step equidistant grey scale:  $L^* = 26.8, 43.9, 61.1, 78.2, 95.4$**

|           |      |     |     |     |       |      |      |      |
|-----------|------|-----|-----|-----|-------|------|------|------|
| $n000w=N$ | 26.8 | 0.0 | 0.0 | 0.0 | 0.0   | 0.00 | 0.00 | 0.00 |
| $n025w$   | 43.9 | 0.0 | 0.0 | 0.0 | 325.3 | 0.25 | 0.25 | 0.25 |
| $n050w$   | 61.1 | 0.0 | 0.0 | 0.0 | 325.1 | 0.50 | 0.50 | 0.50 |
| $n075w$   | 78.1 | 0.0 | 0.0 | 0.0 | 323.7 | 0.75 | 0.75 | 0.75 |
| $n100w=W$ | 95.4 | 0.0 | 0.0 | 0.0 | 0.0   | 1.00 | 1.00 | 1.00 |