

Interpretation *rgb* -> *olv\** and CIELAB data of a 48 step device hue circle

for a sRGB display with the luminance reflection  $L_r=20\%$  compared to the white reference (100%)

48 step device hue circle with six device hues OYLCVM:  $h_{ab,a} = 24.9, 105.5, 140.4, 197.1, 297.2, 327.0$

Comparison with four elementary hues *RJGB*:  $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$

| <i>Code</i>   | <i>L*</i> | <i>a*</i> <sub>a</sub> | <i>b*</i> <sub>a</sub> | <i>C*</i> <sub>ab</sub> | <i>h</i> <sub>ab,a</sub> | <i>rgb</i> -> <i>olv*</i> | <i>Code</i>   | <i>L*</i> | <i>a*</i> <sub>a</sub> | <i>b*</i> <sub>a</sub> | <i>C*</i> <sub>ab</sub> | <i>h</i> <sub>ab,a</sub> | <i>rgb</i> -> <i>olv*</i> |
|---------------|-----------|------------------------|------------------------|-------------------------|--------------------------|---------------------------|---------------|-----------|------------------------|------------------------|-------------------------|--------------------------|---------------------------|
| <i>o00y=O</i> | 65.5      | 45.0                   | 20.9                   | 49.7                    | 24.9                     | 1.00 0.00 0.00            | <i>c00v=C</i> | 88.9      | -33.2                  | -10.2                  | 34.7                    | 197.1                    | 0.00 1.00 1.00            |
| <i>o12y</i>   | 66.0      | 43.6                   | 21.7                   | 48.7                    | 26.4                     | 1.00 0.12 0.00            | <i>c12v</i>   | 82.5      | -22.1                  | -19.9                  | 29.7                    | 221.9                    | 0.00 0.87 1.00            |
| <i>o25y</i>   | 67.4      | 40.3                   | 23.5                   | 46.6                    | 30.3                     | 1.00 0.25 0.00            | <i>c25v</i>   | 76.4      | -10.9                  | -29.1                  | 31.1                    | 249.3                    | 0.00 0.75 1.00            |
| <i>o37y</i>   | 69.7      | 34.6                   | 26.6                   | 43.7                    | 37.5                     | 1.00 0.37 0.00            | <i>c37v</i>   | 70.9      | 0.0                    | -37.6                  | 37.6                    | 269.8                    | 0.00 0.62 1.00            |
| <i>o50y</i>   | 73.0      | 26.8                   | 30.9                   | 41.0                    | 49.0                     | 1.00 0.50 0.00            | <i>c50v</i>   | 66.1      | 9.9                    | -45.0                  | 46.1                    | 282.4                    | 0.00 0.50 1.00            |
| <i>o62y</i>   | 77.1      | 17.4                   | 36.3                   | 40.3                    | 64.3                     | 1.00 0.62 0.00            | <i>c62v</i>   | 62.3      | 18.5                   | -51.2                  | 54.4                    | 289.9                    | 0.00 0.37 1.00            |
| <i>o75y</i>   | 81.9      | 6.9                    | 42.4                   | 43.0                    | 80.7                     | 1.00 0.75 0.00            | <i>c75v</i>   | 59.5      | 25.0                   | -55.6                  | 61.0                    | 294.2                    | 0.00 0.25 1.00            |
| <i>o87y</i>   | 87.4      | -4.2                   | 49.1                   | 49.3                    | 94.9                     | 1.00 0.87 0.00            | <i>c87v</i>   | 57.8      | 29.0                   | -58.3                  | 65.1                    | 296.4                    | 0.00 0.12 1.00            |
| <i>y00l=Y</i> | 93.2      | -15.6                  | 56.2                   | 58.4                    | 105.5                    | 1.00 1.00 0.00            | <i>v00m=V</i> | 57.1      | 30.6                   | -59.4                  | 66.8                    | 297.2                    | 0.00 0.00 1.00            |
| <i>y12l</i>   | 91.6      | -24.5                  | 53.8                   | 59.1                    | 114.4                    | 0.87 1.00 0.00            | <i>v12m</i>   | 57.3      | 31.2                   | -59.0                  | 66.8                    | 297.8                    | 0.12 0.00 1.00            |
| <i>y25l</i>   | 90.1      | -32.6                  | 51.7                   | 61.2                    | 122.2                    | 0.75 1.00 0.00            | <i>v25m</i>   | 57.8      | 32.7                   | -58.2                  | 66.8                    | 299.3                    | 0.25 0.00 1.00            |
| <i>y37l</i>   | 89.0      | -39.8                  | 50.0                   | 64.0                    | 128.5                    | 0.62 1.00 0.00            | <i>v37m</i>   | 58.7      | 35.3                   | -56.7                  | 66.8                    | 301.9                    | 0.37 0.00 1.00            |
| <i>y50l</i>   | 88.0      | -45.8                  | 48.7                   | 66.9                    | 133.2                    | 0.50 1.00 0.00            | <i>v50m</i>   | 60.0      | 38.9                   | -54.6                  | 67.0                    | 305.5                    | 0.50 0.00 1.00            |
| <i>y62l</i>   | 87.3      | -50.4                  | 47.7                   | 69.4                    | 136.6                    | 0.37 1.00 0.00            | <i>v62m</i>   | 61.8      | 43.5                   | -51.7                  | 67.6                    | 310.0                    | 0.62 0.00 1.00            |
| <i>y75l</i>   | 86.9      | -53.7                  | 47.0                   | 71.4                    | 138.7                    | 0.25 1.00 0.00            | <i>v75m</i>   | 63.9      | 48.8                   | -48.2                  | 68.6                    | 315.3                    | 0.75 0.00 1.00            |
| <i>y87l</i>   | 86.6      | -55.5                  | 46.6                   | 72.5                    | 139.9                    | 0.12 1.00 0.00            | <i>v87m</i>   | 66.4      | 54.6                   | -44.1                  | 70.3                    | 321.0                    | 0.87 0.00 1.00            |
| <i>l00c=L</i> | 86.5      | -56.3                  | 46.5                   | 73.0                    | 140.4                    | 0.00 1.00 0.00            | <i>m00o=M</i> | 69.2      | 60.9                   | -39.5                  | 72.6                    | 327.0                    | 1.00 0.00 1.00            |
| <i>l12c</i>   | 86.5      | -55.9                  | 45.2                   | 71.9                    | 141.0                    | 0.00 1.00 0.12            | <i>m12o</i>   | 68.2      | 57.1                   | -28.3                  | 63.7                    | 333.5                    | 1.00 0.00 0.87            |
| <i>l25c</i>   | 86.6      | -55.0                  | 42.1                   | 69.3                    | 142.5                    | 0.00 1.00 0.25            | <i>m25o</i>   | 67.4      | 53.8                   | -17.4                  | 56.5                    | 342.0                    | 1.00 0.00 0.75            |
| <i>l37c</i>   | 86.8      | -53.3                  | 36.9                   | 64.9                    | 145.3                    | 0.00 1.00 0.37            | <i>m37o</i>   | 66.8      | 51.0                   | -7.1                   | 51.5                    | 352.0                    | 1.00 0.00 0.62            |
| <i>l50c</i>   | 87.0      | -50.9                  | 29.8                   | 59.0                    | 149.6                    | 0.00 1.00 0.50            | <i>m50o</i>   | 66.3      | 48.7                   | 2.1                    | 48.8                    | 2.5                      | 1.00 0.00 0.50            |
| <i>l62c</i>   | 87.3      | -47.6                  | 21.1                   | 52.1                    | 156.0                    | 0.00 1.00 0.62            | <i>m62o</i>   | 65.9      | 47.1                   | 10.0                   | 48.1                    | 11.9                     | 1.00 0.00 0.37            |
| <i>l75c</i>   | 87.8      | -43.6                  | 11.3                   | 45.0                    | 165.3                    | 0.00 1.00 0.75            | <i>m75o</i>   | 65.7      | 45.9                   | 15.8                   | 48.6                    | 19.0                     | 1.00 0.00 0.25            |
| <i>l87c</i>   | 88.3      | -38.7                  | 0.8                    | 38.7                    | 178.8                    | 0.00 1.00 0.87            | <i>m87o</i>   | 65.5      | 45.3                   | 19.4                   | 49.3                    | 23.2                     | 1.00 0.00 0.12            |