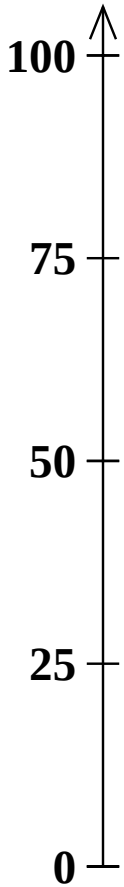
**Equal 9 step grey scaling between $L^*_{0aN}$=8.1 and $L^*_{0aW}$=95.9, $Y_{0ref}$=2.5, normalisation grey *U***

$L^*_{0aN}$=8.1, $L^*_{0aU}$=52.1, $L^*_{0aW}$=96.0, $Y_{0aN}$=0.9, $Y_{0aU}$=20.2, $Y_{0aW}$=90.0, $C_{0aY}$=$Y_{0aW}$:$Y_{0aN}$=99.9

$L^*_{taN}$=20.1, $L^*_{taU}$=52.1, $L^*_{taW}$=92.7, $Y_{taN}$=3.0, $Y_{taU}$=20.2, $Y_{taW}$=82.3, $C_{taY}$=$Y_{taW}$:$Y_{taN}$=27.2

**Regularity index according to ISO/IEC 15775:2022, annex G for 5 and 9 steps**

**$g^*$ = 100 [$\Delta L^*_{min}$] / [$\Delta L^*_{max}$], $L^*_{CIELAB}$ = 116 [$Y/Y_n$]$^{1/3}$ – 16 with $Y$ >= 0,882, $Y_n$=100**




| | **intended output** $g^*_5$= 99, $g^*_9$= 99 | | | | **real output** $g^*_5$= 65, $g^*_9$= 55 | | | | | **linearized output** $g^*_5$= 93, $g^*_9$= 91 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **n0. i** | **L*0a** | **L*0r** | **Y0a** | **Y0r** | **L*ta** | **ΔL*ta** | **L*tr** | **Yta** | **(L*tr)$^{1/1.19}$** | **L*la** | **ΔL*la** |
| 9 | 96.0 | 1.0 | 90.0 | 1.0 | 92.7 | | 1.0 | 82.3 | 1.0 | 92.7 | |
| | | | | | | 10.3 | | | | | 8.8 |
| 8 | 85.0 | 0.875 | 66.0 | 0.731 | 82.4 | | 0.857 | 61.0 | 0.879 | 83.9 | |
| | | | | | | 10.2 | | | | | 8.9 |
| 7 | 74.0 | 0.75 | 46.7 | 0.515 | 72.1 | | 0.716 | 43.8 | 0.756 | 75.0 | |
| | | | | | | 10.1 | | | | | 9.1 |
| 6 | 63.0 | 0.625 | 31.6 | 0.345 | 62.0 | | 0.576 | 30.4 | 0.63 | 65.9 | |
| | | | | | | 9.9 | | | | | 9.3 |
| 5 | 52.1 | 0.5 | 20.2 | 0.217 | 52.1 | | 0.44 | 20.2 | 0.503 | 56.6 | |
| | | | | | | 9.6 | | | | | 9.4 |
| 4 | 41.1 | 0.375 | 11.9 | 0.124 | 42.5 | | 0.308 | 12.8 | 0.373 | 47.2 | |
| | | | | | | 8.9 | | | | | 9.4 |
| 3 | 30.1 | 0.25 | 6.3 | 0.06 | 33.6 | | 0.185 | 7.8 | 0.243 | 37.8 | |
| | | | | | | 7.7 | | | | | 9.0 |
| 2 | 19.1 | 0.125 | 2.8 | 0.021 | 25.8 | | 0.078 | 4.7 | 0.119 | 28.8 | |
| | | | | | | 5.7 | | | | | 8.6 |
| 1 | 8.1 | 0.0 | 0.9 | 0.0 | 20.1 | | 0.0 | 3.0 | 0.0 | 20.1 | |

**$\Delta L^*_{0a}$=11.0 (i=1,2,...,8)**

**normalisation: $Y_{taiU}=Y_{0aU}\frac{Y_{0ai}+Y_{0ref}}{Y_{0aU}+Y_{0ref}}$**