

9stufige Grauskalierung zwischen $L^*_{0aN}=3.6$ und $L^*_{0aW}=95.9$, $Y_{0ref}=2.5$, Normierung Weiß W

$L^*_{0aN}=3.6$, $L^*_{0aU}=49.8$, $L^*_{0aW}=96.0$, $Y_{0aN}=0.4$, $Y_{0aU}=18.2$, $Y_{0aW}=90.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=225.0$
 $L^*_{taN}=19.3$, $L^*_{taU}=52.1$, $L^*_{taW}=96.0$, $Y_{taN}=2.8$, $Y_{taU}=20.2$, $Y_{taW}=90.0$, $C_{taY}=Y_{taW}:Y_{taN}=31.9$

Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen

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

| L* _{CIELAB} n0.i | angestrebte Ausgabe | | | | reale Ausgabe | | | | linearisierte Ausgabe | | | |
|------------------------------|---------------------|------------------|-----------------|-----------------|------------------|-------------------|------------------|-----------------|---------------------------------------|------------------|-------------------|--|
| | L* _{0a} | L* _{0r} | Y _{0a} | Y _{0r} | L* _{ta} | ΔL^*_{ta} | L* _{tr} | Y _{ta} | (L* _{tr}) ^{1/1.24} | L* _{la} | ΔL^*_{la} | |
| 100 | 9 | 96.0 | 1.0 | 90.0 | 1.0 | 96.0 | 1.0 | 90.0 | 1.0 | 96.0 | 9.2 | |
| | 8 | 84.4 | 0.875 | 64.9 | 0.72 | 84.8 | 0.854 | 65.6 | 0.88 | 86.8 | 9.4 | |
| 75 | 7 | 72.9 | 0.75 | 45.0 | 0.498 | 73.7 | 0.709 | 46.2 | 0.758 | 77.4 | 9.6 | |
| | 6 | 61.3 | 0.625 | 29.6 | 0.326 | 62.7 | 0.566 | 31.3 | 0.632 | 67.8 | 9.9 | |
| 50 | 5 | 49.8 | 0.5 | 18.2 | 0.199 | 52.1 | 0.427 | 20.2 | 0.504 | 57.9 | 10.1 | |
| | 4 | 38.2 | 0.375 | 10.2 | 0.11 | 41.8 | 0.293 | 12.4 | 0.372 | 47.9 | 10.0 | |
| 25 | 3 | 26.7 | 0.25 | 5.0 | 0.051 | 32.4 | 0.171 | 7.3 | 0.241 | 37.8 | 9.5 | |
| | 2 | 15.2 | 0.125 | 1.9 | 0.017 | 24.7 | 0.07 | 4.3 | 0.117 | 28.3 | 9.0 | |
| 0 | 1 | 3.6 | 0.0 | 0.4 | 0.0 | 19.3 | 0.0 | 2.8 | 0.0 | 19.3 | | |

$\Delta L^*_{0a}=11.5$ (i=1,2,...,8) Normierung: $Y_{taiW}=Y_{0aW} \frac{Y_{0ai}+Y_{0ref}}{Y_{0aW}+Y_{0ref}}$

egq20-3n

9stufige Grauskalierung zwischen $L^*_{0aN}=3.6$ und $L^*_{0aW}=95.9$, $Y_{0ref}=20.0$, Normierung Weiß W

$L^*_{0aN}=3.6$, $L^*_{0aU}=49.8$, $L^*_{0aW}=96.0$, $Y_{0aN}=0.4$, $Y_{0aU}=18.2$, $Y_{0aW}=90.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=225.0$
 $L^*_{taN}=47.9$, $L^*_{taU}=62.8$, $L^*_{taW}=96.0$, $Y_{taN}=16.7$, $Y_{taU}=31.3$, $Y_{taW}=90.0$, $C_{taY}=Y_{taW}:Y_{taN}=5.4$

Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen

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

| L* _{CIELAB} n0.i | angestrebte Ausgabe | | | | reale Ausgabe | | | | linearisierte Ausgabe | | | |
|------------------------------|---------------------|------------------|-----------------|-----------------|------------------|-------------------|------------------|-----------------|---------------------------------------|------------------|-------------------|--|
| | L* _{0a} | L* _{0r} | Y _{0a} | Y _{0r} | L* _{ta} | ΔL^*_{ta} | L* _{tr} | Y _{ta} | (L* _{tr}) ^{1/1.68} | L* _{la} | ΔL^*_{la} | |
| 100 | 9 | 96.0 | 1.0 | 90.0 | 1.0 | 96.0 | 1.0 | 90.0 | 1.0 | 96.0 | 5.7 | |
| | 8 | 84.4 | 0.875 | 64.9 | 0.72 | 86.7 | 9.2 | 0.808 | 69.5 | 0.881 | 6.0 | |
| 75 | 7 | 72.9 | 0.75 | 45.0 | 0.498 | 78.0 | 8.7 | 0.626 | 53.2 | 0.757 | 6.2 | |
| | 6 | 61.3 | 0.625 | 29.6 | 0.326 | 69.9 | 8.1 | 0.458 | 40.6 | 0.629 | 6.3 | |
| 50 | 5 | 49.8 | 0.5 | 18.2 | 0.199 | 62.8 | 7.1 | 0.309 | 31.3 | 0.498 | 6.2 | |
| | 4 | 38.2 | 0.375 | 10.2 | 0.11 | 56.8 | 5.9 | 0.186 | 24.7 | 0.368 | 6.0 | |
| 25 | 3 | 26.7 | 0.25 | 5.0 | 0.051 | 52.3 | 4.5 | 0.093 | 20.4 | 0.244 | 5.4 | |
| | 2 | 15.2 | 0.125 | 1.9 | 0.017 | 49.4 | 2.9 | 0.032 | 17.9 | 0.131 | 5.4 | |
| 0 | 1 | 3.6 | 0.0 | 0.4 | 0.0 | 47.9 | 1.6 | 0.0 | 16.7 | 0.0 | 6.3 | |

$\Delta L^*_{0a}=11.5$ (i=1,2,...,8) Normierung: $Y_{taiW}=Y_{0aW} \frac{Y_{0ai}+Y_{0ref}}{Y_{0aW}+Y_{0ref}}$

egq21-3n

9stufige Grauskalierung zwischen $L^*_{0aN}=3.6$ und $L^*_{0aW}=95.9$, $Y_{0ref}=10.0$, Normierung Weiß W

$L^*_{0aN}=3.6$, $L^*_{0aU}=49.8$, $L^*_{0aW}=96.0$, $Y_{0aN}=0.4$, $Y_{0aU}=18.2$, $Y_{0aW}=90.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=225.0$
 $L^*_{taN}=36.7$, $L^*_{taU}=57.5$, $L^*_{taW}=96.0$, $Y_{taN}=9.4$, $Y_{taU}=25.4$, $Y_{taW}=90.0$, $C_{taY}=Y_{taW}:Y_{taN}=9.6$

Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen

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

| L* _{CIELAB} n0.i | angestrebte Ausgabe | | | | reale Ausgabe | | | | linearisierte Ausgabe | | | |
|------------------------------|---------------------|------------------|-----------------|-----------------|------------------|-------------------|------------------|-----------------|---------------------------------------|------------------|-------------------|--|
| | L* _{0a} | L* _{0r} | Y _{0a} | Y _{0r} | L* _{ta} | ΔL^*_{ta} | L* _{tr} | Y _{ta} | (L* _{tr}) ^{1/1.52} | L* _{la} | ΔL^*_{la} | |
| 100 | 9 | 96.0 | 1.0 | 90.0 | 1.0 | 96.0 | 1.0 | 90.0 | 1.0 | 96.0 | 7.0 | |
| | 8 | 84.4 | 0.875 | 64.9 | 0.72 | 85.7 | 10.3 | 0.827 | 67.4 | 0.882 | 7.3 | |
| 75 | 7 | 72.9 | 0.75 | 45.0 | 0.498 | 75.8 | 9.9 | 0.659 | 49.5 | 0.759 | 7.5 | |
| | 6 | 61.3 | 0.625 | 29.6 | 0.326 | 66.3 | 9.5 | 0.499 | 35.7 | 0.632 | 7.8 | |
| 50 | 5 | 49.8 | 0.5 | 18.2 | 0.199 | 57.5 | 8.8 | 0.351 | 25.4 | 0.501 | 7.8 | |
| | 4 | 38.2 | 0.375 | 10.2 | 0.11 | 49.7 | 7.7 | 0.22 | 18.2 | 0.369 | 7.6 | |
| 25 | 3 | 26.7 | 0.25 | 5.0 | 0.051 | 43.5 | 6.2 | 0.115 | 13.5 | 0.24 | 6.9 | |
| | 2 | 15.2 | 0.125 | 1.9 | 0.017 | 39.1 | 4.3 | 0.042 | 10.7 | 0.123 | 7.3 | |
| 0 | 1 | 3.6 | 0.0 | 0.4 | 0.0 | 36.7 | 2.5 | 0.0 | 9.4 | 0.0 | | |

$\Delta L^*_{0a}=11.5$ (i=1,2,...,8) Normierung: $Y_{taiW}=Y_{0aW} \frac{Y_{0ai}+Y_{0ref}}{Y_{0aW}+Y_{0ref}}$

egq20-7n

9stufige Grauskalierung zwischen $L^*_{0aN}=3.6$ und $L^*_{0aW}=95.9$, $Y_{0ref}=90.0$, Normierung Weiß W

$L^*_{0aN}=3.6$, $L^*_{0aU}=49.8$, $L^*_{0aW}=96.0$, $Y_{0aN}=0.4$, $Y_{0aU}=18.2$, $Y_{0aW}=90.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=225.0$
 $L^*_{taN}=73.0$, $L^*_{taU}=78.5$, $L^*_{taW}=96.0$, $Y_{taN}=45.2$, $Y_{taU}=54.1$, $Y_{taW}=90.0$, $C_{taY}=Y_{taW}:Y_{taN}=2.0$

Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen

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

| L* _{CIELAB} n0.i | angestrebte Ausgabe | | | | reale Ausgabe | | | | linearisierte Ausgabe | | | |
|------------------------------|---------------------|------------------|-----------------|-----------------|------------------|-------------------|------------------|-----------------|--------------------------------------|------------------|-------------------|--|
| | L* _{0a} | L* _{0r} | Y _{0a} | Y _{0r} | L* _{ta} | ΔL^*_{ta} | L* _{tr} | Y _{ta} | (L* _{tr}) ^{1/2.0} | L* _{la} | ΔL^*_{la} | |
| 100 | 9 | 96.0 | 1.0 | 90.0 | 1.0 | 96.0 | 1.0 | 90.0 | 1.0 | 96.0 | 2.9 | |
| | 8 | 84.4 | 0.875 | 64.9 | 0.72 | 90.5 | 5.5 | 0.762 | 77.5 | 0.873 | 2.9 | |
| 75 | 7 | 72.9 | 0.75 | 45.0 | 0.498 | 85.8 | 4.8 | 0.554 | 67.5 | 0.745 | 2.9 | |
| | 6 | 61.3 | 0.625 | 29.6 | 0.326 | 81.7 | 4.0 | 0.379 | 59.8 | 0.616 | 2.9 | |
| 50 | 5 | 49.8 | 0.5 | 18.2 | 0.199 | 78.5 | 3.2 | 0.24 | 54.1 | 0.49 | 2.8 | |
| | 4 | 38.2 | 0.375 | 10.2 | 0.11 | 76.1 | 2.4 | 0.136 | 50.1 | 0.369 | 2.6 | |
| 25 | 3 | 26.7 | 0.25 | 5.0 | 0.051 | 74.5 | 1.6 | 0.064 | 47.5 | 0.254 | 2.4 | |
| | 2 | 15.2 | 0.125 | 1.9 | 0.017 | 73.5 | 1.0 | 0.022 | 46.0 | 0.148 | 2.4 | |
| 0 | 1 | 3.6 | 0.0 | 0.4 | 0.0 | 73.0 | 0.5 | 0.0 | 45.2 | 0.0 | 3.4 | |

$\Delta L^*_{0a}=11.5$ (i=1,2,...,8) Normierung: $Y_{taiW}=Y_{0aW} \frac{Y_{0ai}+Y_{0ref}}{Y_{0aW}+Y_{0ref}}$

egq21-7n

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