

Equal 9 step grey scaling between $L^*_{0aN}=14.4$ and $L^*_{0aW}=95.9$, $Y_{0ref}=0.9$, normalisation white W

$L^*_{0aN}=14.4$, $L^*_{0aU}=55.2$, $L^*_{0aW}=96.0$, $Y_{0aN}=1.8$, $Y_{0aU}=23.1$, $Y_{0aW}=90.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=50.0$

$L^*_{taN}=18.7$, $L^*_{taU}=55.9$, $L^*_{taW}=96.0$, $Y_{taN}=2.7$, $Y_{taU}=23.8$, $Y_{taW}=90.0$, $C_{taY}=Y_{taW}:Y_{taN}=33.6$

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

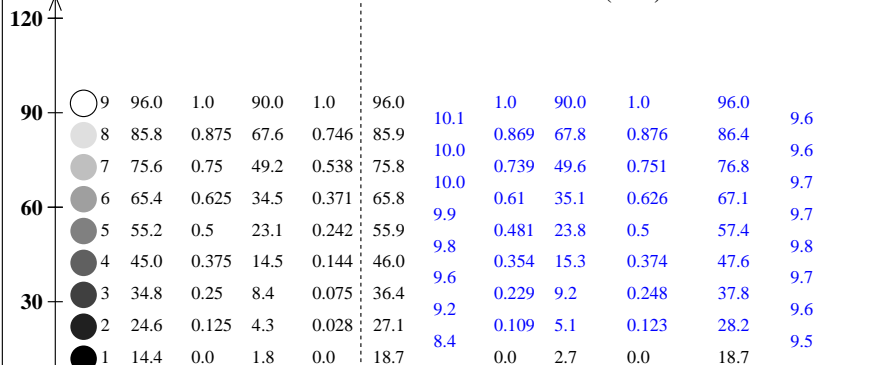
$g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$, $L^*_{CIE LAB} = 116 [Y/Y_n]^{1/3} - 16$ with $Y \geq 0.882$, $Y_n=100$

$g^*_5 = 99$, $g^*_9 = 99$

$g^*_5 = 87$, $g^*_9 = 83$

$g^*_5 = 98$, $g^*_9 = 97$

$L^*_{CIE LAB}$ intended output real output linearized output



$\Delta L^*_{0a} = 10.2$ (i=1,2,...,8)

normalisation: $Y_{taiW} = Y_{0aW} \frac{Y_{0ai} + Y_{0ref}}{Y_{0aW} + Y_{0ref}}$