

Equal 9 step grey scaling between $L^*_{0aN}=31$ & $L^*_{0aW}=81.8$, $Y_{0ref}=1$, normalisation white W

$L^*_{0aN}=31.0, L^*_{0aU}=56.4, L^*_{0aW}=81.8, Y_{0aN}=6.7, Y_{0aU}=24.3, Y_{0aW}=60.0, C_{0aY}=Y_{0aW}:Y_{0aN}=9.0$

$L^*_{taN}=33.0, L^*_{taU}=57.0, L^*_{taW}=81.8, Y_{taN}=7.5, Y_{taU}=24.9, Y_{taW}=60.0, C_{taY}=Y_{taW}:Y_{taN}=7.9$

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

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

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

$g^*_5=94, g^*_9=93$

$g^*_5=96, g^*_9=95$

$L^*_{CIELAB,W}$ intended output	real output					linearized output					
	n0. i	L^*_{0a}	L^*_{0r}	Y_{0a}	Y_{0r}	L^*_{ta}	ΔL^*_{ta}	L^*_{tr}	Y_{ta}	$(L^*_{tr})^{1/1.04}$	L^*_{la}

