

$$\gamma^{-1}(u) = \begin{cases} \frac{u}{12.92} & = \frac{25u}{323} & u \leq 0.04045 \\ \left(\frac{u+0.055}{1.055}\right)^{2.4} & = \left(\frac{200u+11}{211}\right)^{\frac{12}{5}} & \text{otherwise} \end{cases}$$