# Normalizing Flow - Abilities

Having an inverse allows us to sample from the complex distribution
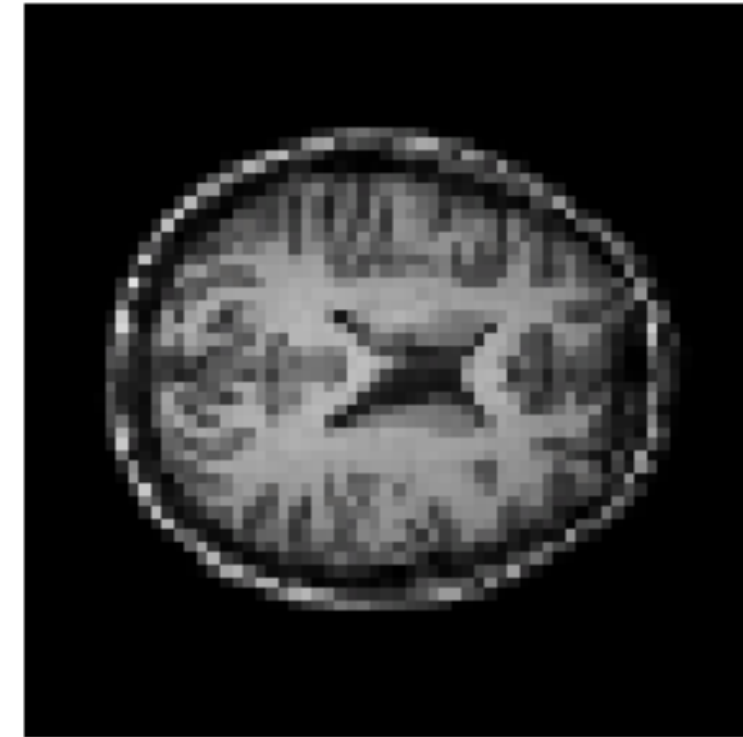
Kingma, Durk P., and Prafulla Dhariwal. "Glow: Generative flow with invertible 1x1 convolutions." *Advances in neural information processing systems* 31 (2018).

# Normalizing Flow - Abilities

Allow for exact likelihood evaluation

$$p_x(x = \text{[image]}) = 0.99$$

$$p_x(x = \text{[image]}) = 0.01$$

Calculated $\log p(x) = 3.27$     Calculated $\log p(x) = -24.28$