Layer 22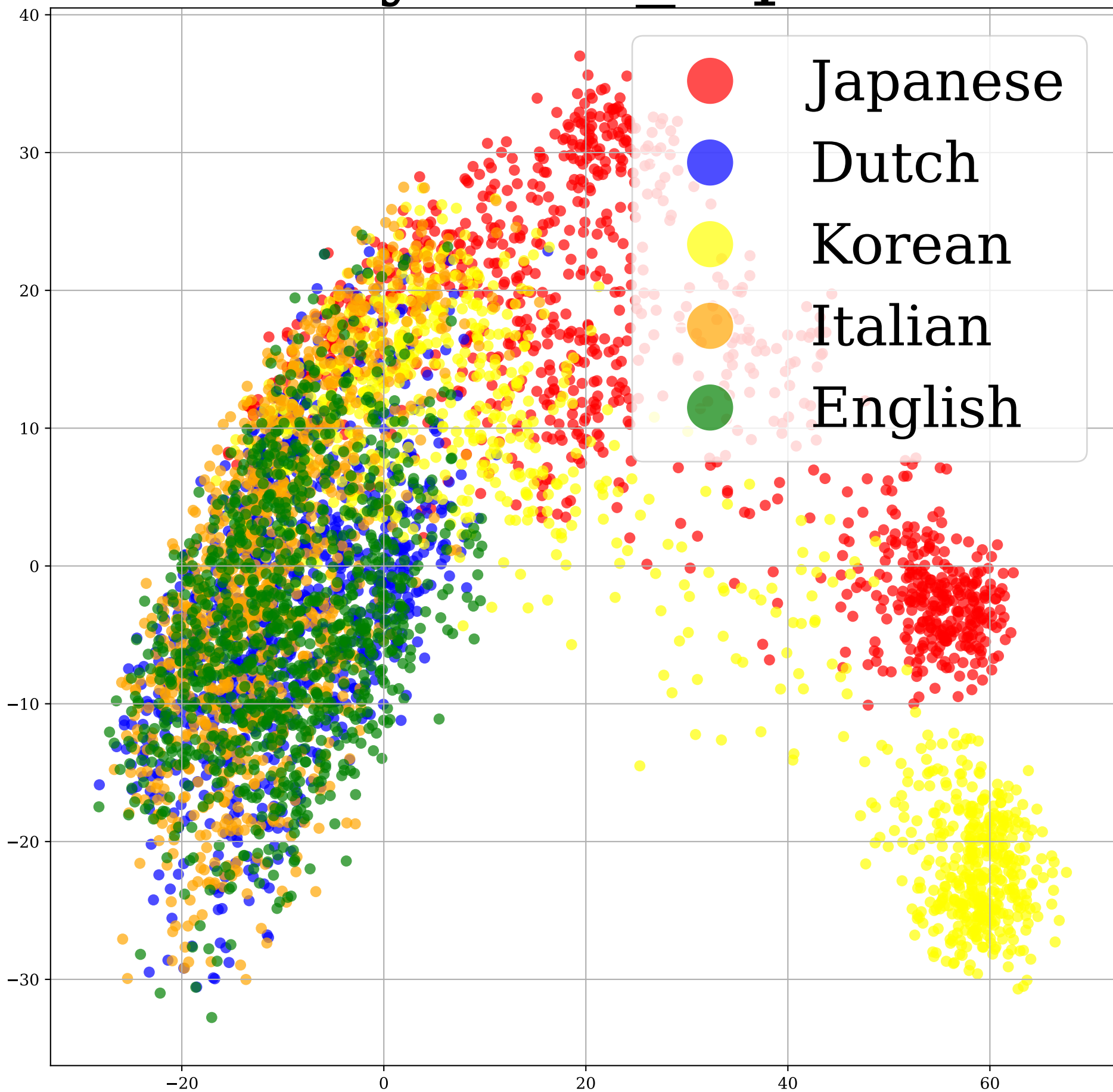_input