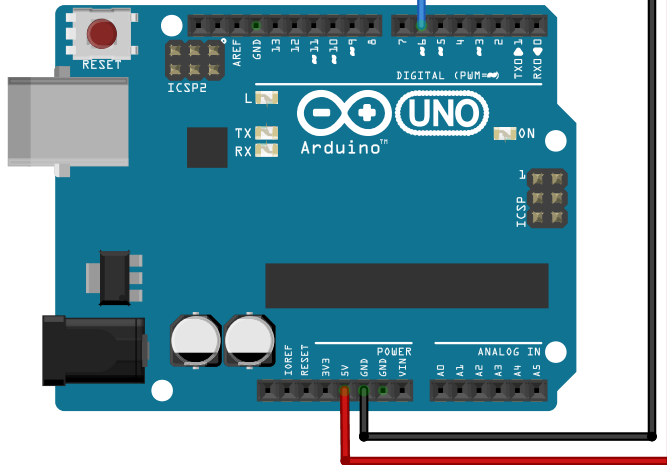


You want to have 300-500 Ohms of resistance between the Arduino and the "Data In" connection for the NeoPixel. (In this case, I'm showing 2 220 Ohm resistors being used, but however you can get there....)



You also want to have a 1000 micro-Farad capacitor spanning the +5V and ground lines, so that there is something to help buffer sudden changes in the current (e.g., when power suddenly comes on, and may be fluctuating outside of designed ranges). This is arguably less of an issue when you're powering directly off the Arduino, vs. plugging into an external supply or battery, but it's a good habit to follow.



tzing