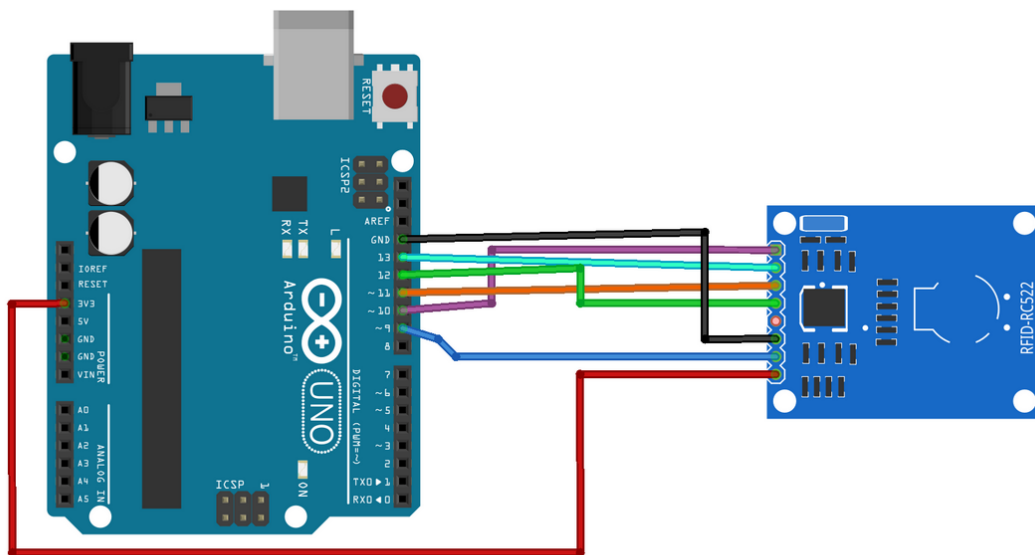




fritzing

```
#include <RFID.h>
/*
 * Read a card using a mfrc522 reader on your SPI interface
 * Pin layout should be as follows (on Arduino Uno):
 * MOSI: Pin 11 / ICSP-4
 * MISO: Pin 12 / ICSP-1
 * SCK: Pin 13 / ICSP-3
 * SS/SDA: Pin 10
 * RST: Pin 9
 */
#include <SPI.h>
#include <RFID.h>
#define SS_PIN 10
#define RST_PIN 9

RFID rfid(SS_PIN,RST_PIN);
int led = 7;
int led1 = 8;
int power = 8;
int serNum[5];
int cards[][5] = {
    {83,96,91,237,133}

};

bool access = false;

void setup(){

    Serial.begin(9600);
    SPI.begin();
    rfid.init();
    pinMode(led, OUTPUT);
    pinMode(led1, OUTPUT);
    digitalWrite(led, LOW);
    digitalWrite(led1, LOW);

}
```

```

void loop(){

    if(rfid.isCard()){

        if(rfid.readCardSerial()){
            Serial.print(rfid.serNum[0]);
            Serial.print(" ");
            Serial.print(rfid.serNum[1]);
            Serial.print(" ");
            Serial.print(rfid.serNum[2]);
            Serial.print(" ");
            Serial.print(rfid.serNum[3]);
            Serial.print(" ");
            Serial.print(rfid.serNum[4]);
            Serial.println("");

            for(int x = 0; x < sizeof(cards); x++){
                for(int i = 0; i < sizeof(rfid.serNum); i++ ){
                    if(rfid.serNum[i] != cards[x][i]) {
                        access = false;
                        break;
                    } else {
                        access = true;
                    }
                }
                if(access) break;
            }

        }

        if(access){
            Serial.println("Welcome!");
            digitalWrite(led, HIGH);
            delay(10);
            digitalWrite(led, LOW);
            /*delay(1000);
            digitalWrite(led, HIGH);
            delay(1000);
            digitalWrite(led, LOW);*/

        } else {
            Serial.println("Not allowed!");
            digitalWrite(led1, HIGH);
            delay(10);
            digitalWrite(led1, LOW);
            /*delay(500);
            digitalWrite(led1, HIGH);
            delay(500);
            digitalWrite(led1, LOW);*/
        }
    }

    rfid.halt();

}

```