Color Sensor on Demand - Challenge (Hard)

This program will require a 'while True' loop and keyboard controls similar to what we used in the WASD driving missions.

1. Within while True loop, define a key that will activate the color sensor

2. Output the [R] [G] and [B] values in the terminal
    a. Example of output:


    ```
    (sphero) pi@raspberrypi:~/sphero $ python missions/Mission11.py
    Key code updated:   119
    Red: 255
    Green: 247
    Blue: 254
    ```

Hints on next page!

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1. You may want to start out modifying the code from mission 6
    a. Define a key to activate color sensor (such as [X]) and simplify the code (delete what you don't need)

2. Pay close attention to errors seen in the terminal
    a. Use Google
    b. Specifically look at why driving missions use `async def main`

2. What is async and await?
    a. Answers and explanation on last slide, but try it yourself first!

DON'T GET DISCOURAGED, this is a difficult subject we didn't cover previously! Sometimes things like this come up and we will never have all the answers, so we have to look for them. This is great problem solving practice!

Video of working results: https://youtu.be/tBIj18KCfMw

Key Mappings

[a]	97		[n]	110
[b]	98		[o]	111
[c]	99		[p]	112
[d]	100		[q]	113
[e]	101		[r]	114
[f]	102		[s]	115
[g]	103		[t]	116
[h]	104		[u]	117
[i]	105		[v]	118
[j]	106		[w]	119
[k]	107		[x]	120
[l]	108		[y]	121
[m]	109		[z]	122