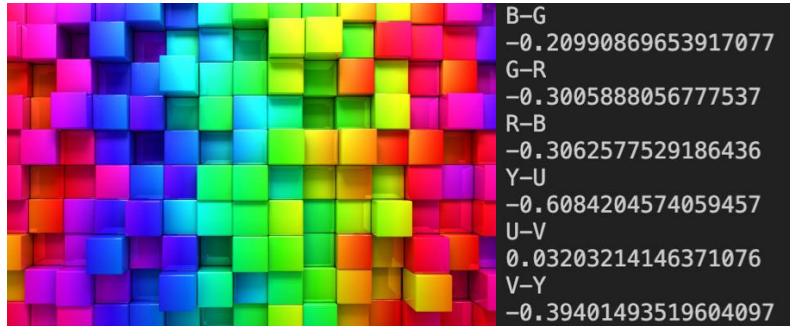


HW #11 Correlation

2017029970 우원진

실행결과

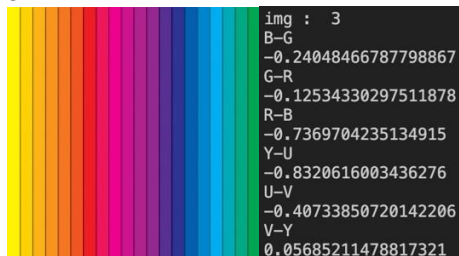
1.



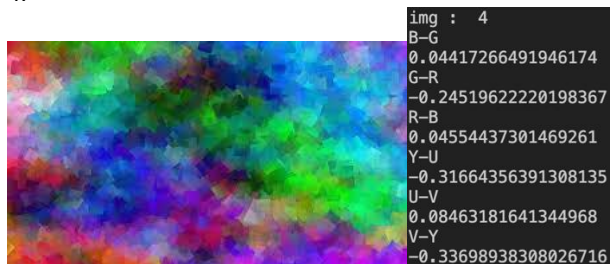
2.



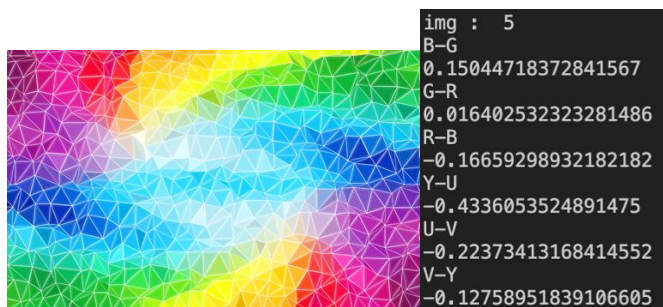
3.



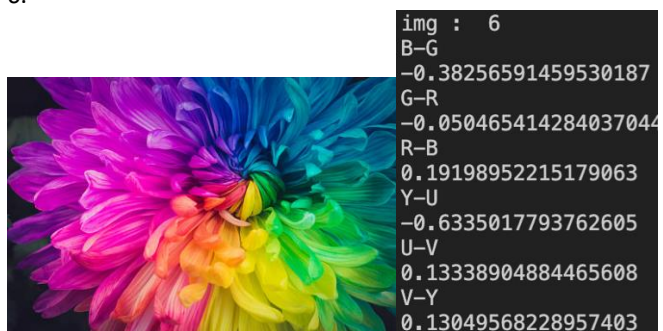
4.



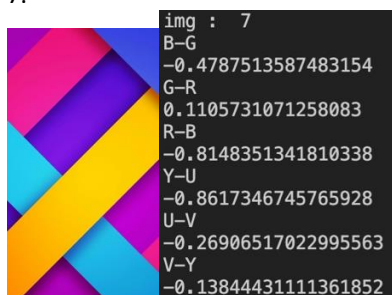
5.



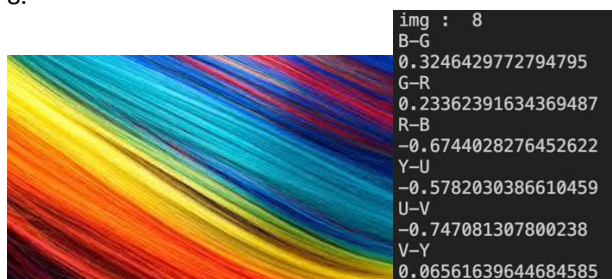
6.



7.



8.



9.



10.



가장 관련이 크다고 생각되는 Y성분과 G성분의 Correlation

```
img : 1  
Y-G  
0.886071364051513  
img : 2  
Y-G  
0.9234222921659669  
img : 3  
Y-G  
0.8126900358147406  
img : 4  
Y-G  
0.8511655289637935  
img : 5  
Y-G  
0.8672187708154417  
img : 6  
Y-G  
0.7605451709153  
img : 7  
Y-G  
0.9305020181983575  
img : 8  
Y-G  
0.9103373323927721  
img : 9  
Y-G  
0.9008093568866541  
img : 10  
Y-G  
0.9601447438581808
```

위에서 보여준 상관관계에서의 어떤 관계 보다도 더욱 상관관계가 크다고 보여진다.