

Google API 이미지 속성

1. request용 json 파일 생성

- 1) 먼저 사용할 이미지를 base64 인코딩을 해줍니다.
- 2) 그 후 request용 json 파일을 만듭니다. 저는 image_property_detection.json이라는 파일을 만들었습니다.

```
image_property_detection.json  X
스키마: <선택된 스키마가 없음>
1  {
2    "requests": [
3      {
4        "image": {
5          "content": "/9j/4AAQSkZJRgABAQAAQABAAD//gA7Q1JFQVRPUjogZ2QtanB1ZyB2MS4wICh1c2luZyB1SkcgS1BFRyB2NjIpLCBxdWFsZXRSID0gODUK/9sAQwAFawQEBAMFBAQEBQUFBgcMCAcHBwcPCwsJD0BEPhIRDxERExY6
6        },
7        "features": [
8          {
9            "maxResults": 10,
10           "type": "IMAGE_PROPERTIES"
11         }
12       ]
13     }
14   ]
15 }
```

2. power shell로 request 요청 보내기

- 해당 내용들을 입력합니다.

```
PS C:\Users\memen> $cred = gcloud auth application-default print-access-token
PS C:\Users\memen> $headers = @{"Authorization" = "Bearer $cred" }
PS C:\Users\memen> Invoke-WebRequest
>> -Method POST
>> -Headers $headers
>> -ContentType: "application/json; charset=utf-8"
>> -InFile image_property_detection.json
>> -Uri "https://vision.googleapis.com/v1/images:annotate" | Select-Object -Expand Content
```

- 테스트한 이미지는 우측과 같습니다.



3. 결과화면

<pre>{ "responses": [{ "imagePropertiesAnnotation": { "dominantColors": { "colors": [{ "color": { "red": 111, "green": 121, "blue": 149 }, "score": 0.21486105, "pixelFraction": 0.11403981 }, { "color": { "red": 152, "green": 156, "blue": 160 }, "score": 0.11781221, "pixelFraction": 0.14117506 }, { "color": { "red": 240, "green": 227, "blue": 234 }, "score": 0.0589334, "pixelFraction": 0.07058753 }, { "color": { "red": 141, "green": 148, "blue": 175 }, "score": 0.11656889, "pixelFraction": 0.073934615 }] } } }] }</pre>	<pre>{ "color": { "red": 80, "green": 89, "blue": 113 }, "score": 0.064393386, "pixelFraction": 0.036817882 }, { "color": { "red": 197, "green": 192, "blue": 198 }, "score": 0.05563478, "pixelFraction": 0.123662665 }, { "color": { "red": 119, "green": 124, "blue": 130 }, "score": 0.048446164, "pixelFraction": 0.05050505 }, { "color": { "red": 108, "green": 123, "blue": 172 }, "score": 0.03703295, "pixelFraction": 0.012372243 }, { "color": { "red": 155, "green": 146, "blue": 180 }, "score": 0.03082159, "pixelFraction": 0.020739945 }, { "color": { "red": 244, "green": 217, "blue": 227 }, "score": 0.028892174, "pixelFraction": 0.046500508 }, { "cropHintsAnnotation": { "cropHints": [{ "boundingPoly": { "vertices": [{ "y": 211 }, { "x": 639, "y": 211 }, { "x": 639, "y": 572 }, { "y": 572 }] }, "confidence": 0.40625003, "importanceFraction": 0.77676034 }] } }</pre>
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