

REVISE ENTIRE
OBJECT DIAGRAM
BASED ON DRAWING

palette: Palette

```
- colors = [  
  tinycolor('rgb (255, 255, 255)'),  
  tinycolor('rgb (230, 230, 230)'),  
  tinycolor('rgb (128, 128, 128)'),  
  tinycolor('rgb (25, 25, 25)'),  
  tinycolor('rgb (0, 0, 0)')  
]  
- pairedColors: [{  
  elemIdPair: [0,1],  
  colorPair: [colors[0], colors[1]],  
  contrastValue: 12.8,  
  wcagScore: {AA: "Fail",  
    AALarge: "Pass",  
    AAA: "Pass",  
    AAALarge: "Pass"}}, ..]  
  
+ GeneratePalette  
+ AdjustPalette  
+ CopyPalette  
+ StorePalette  
+ UpdatePairedColors
```

colorMindApiService:
Colormind API Service

+ GetNewPalette()

colors[0]: TinyColor

```
color = tinycolor('rgb (255,  
255, 255)')  
opt = null  
  
1..*  
getFormat()  
getOriginalInput()  
isValid()  
getBrightness()  
isLight()  
etc...
```

1..*

1..*

< Contains

1

1

Has/Calls >

1

*

< Contains

1..*

< Contains

1

pairedColors[0]: Color Pair

```
- elemIdPair = [0,1]  
- colorPair = [colors[0],  
  colors[1]]  
- contrastValue = 12.8  
- wcagScore = {AA: "Fail",  
  AALarge: "Pass",  
  AAA: "Pass",  
  AAALarge: "Pass"}  
  
+ CalculateContrast()  
+ CalculateRating()
```

1..*

1..*

< Contains

1..*

Has/Calls >

1

webAimApiService:
WebAim Contrast
Checker API Service

+ GetWCAGRatings()

wcagScore: WCAG
Score

```
- AA = "Fail"  
- AALarge = "Pass"  
- AAA = "Pass"  
- AAALarge = "Pass"  
  
+ Update RGB  
+ Update HSV  
+ Update HSL
```

1..*

1..*