## **CODE**

```
import PIL
from PIL import Image
from PIL import ImageDraw
from PIL import ImageFont
# read image and convert to RGB
image1=Image.open("readonly/msi_recruitment.gif")
image1=image1.convert('RGB')
# build a list of 9 images which have different brightnesses
#enhancer=ImageEnhance.Brightness(image)
images=[]
labels=[]
for channel in [0,1,2]:
  for intensity in [0.1,0.5,0.9]:
    image=Image.open("readonly/msi_recruitment.gif")
    image=image.convert('RGB')
    for i in range(image.width):
      for j in range(image.height):
        tup=image.getpixel((i,j))
        lst2=[i for i in tup]
        lst2[channel]=int(lst2[channel]*intensity)
        tup2=(lst2[0],lst2[1],lst2[2])
        image.putpixel((i,j),tup2)
    labels.append('channel {} intensity {}'.format(channel,intensity))
    #font_obj=ImageFont.load_default()
    #newi=PIL.Image.new(image.mode,(image.width,image.height+85))
    #newii.text((image.width,image.height),'Channel',fill='white',font=ImageFont.load default())
    #newi.paste(image,(0,0))
    #newii=ImageDraw.Draw(newi)
    #fnt=ImageFont.truetype('readonly/fanwood-webfont.ttf', 75)
    #newii.text((image.width,image.height-50),'Channel',fill=(0,0,0),font=fnt)
    images.append(image)
# create a contact sheet from different brightnesses
first_image=images[0]
contact_sheet=PIL.Image.new(first_image.mode, (first_image.width*3,first_image.height*3+3*85))
x=0
y=0
fnt=ImageFont.truetype("readonly/fanwood-webfont.ttf",75)
draw=ImageDraw.Draw(contact sheet)
for i,img in enumerate(images):
  # Lets paste the current image into the contact sheet
  contact sheet.paste(img, (x, y))
  draw.text((x,y+first_image.height+5), labels[i], font=fnt)
```

## **RESULT**

