

Amandine

```
import matplotlib.pyplot as plt

from PIL import Image

#Creation d'une image blanche RGB 10x10
dessin = Image.new("RGB", (600,400), (204,0,0))

# Definitions des couleurs
blanc=(255,255,255)
vert=(0,100,0)

#On parcourt tous les pixels de l'image:
for col in range(0,600):
    for ligne in range(0, 400):
        if ligne >= (2/3)*col - 40 and ligne <= (2/3)*col + 40:
            dessin.putpixel((col, ligne),vert)
        if ligne >= (-2/3)*col + 350 and ligne <= (-2/3)*col + 450:
            dessin.putpixel((col,ligne), vert)
    for col in range(350,450):
        for ligne in range(350,450):
            if ligne >= (2/3)*col - 40 and ligne <= (2/3)*col + 40:
                dessin.putpixel((col,ligne), vert)

image=Image.new("RGB", (180,120), (255,255,255))
```

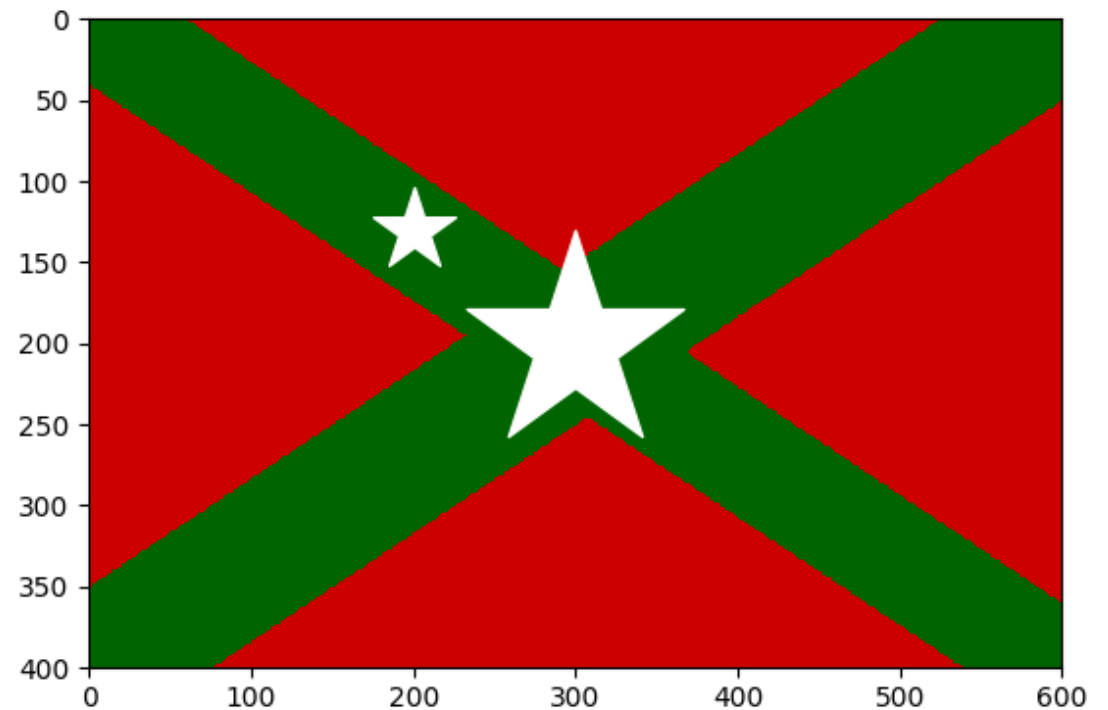
#On appelle la procédure pour créer une étoile (hors de la boucle principale):

```
plt.scatter(200, 130, s = 1000, c = 'white', marker = '*')
```

```
plt.scatter(300, 200, s = 7000, c = "white", marker = '*')
```

```
plt.imshow(dessin)
```

```
plt.show()
```



<https://trinket.io/python3/a31b1dd421>

Alex

```
import matplotlib.pyplot as plt
from PIL import Image
dessin5 = Image.new("RGB", (600, 400), (0, 0, 0))
blanc = (255, 255, 255)
violet = (200, 0, 200)
noir = (0, 0, 0)

for col in range(0, 600):
    for ligne in range(0, 400):
        if ligne >= (2/3)*col - 45 and ligne <= (2/3)*col + 45:
            dessin5.putpixel((col, ligne), blanc)

for col in range(0, 600):
    for ligne in range(0, 400):
        if (col-85.714)**2 + (ligne-57.142)**2 < 550:
            dessin5.putpixel((col, ligne), violet)

for col in range(0, 600):
    for ligne in range(0, 400):
        if (col-171.428)**2 + (ligne-114.284)**2 < 550:
            dessin5.putpixel((col, ligne), violet)

for col in range(0, 600):
    for ligne in range(0, 400):
        if (col-257.142)**2 + (ligne-171.426)**2 < 550:
            dessin5.putpixel((col, ligne), violet)
```

```
for col in range(0, 600):
    for ligne in range(0, 400):
        if (col-342.856)**2 + (ligne-228.568)**2 < 550:
            dessin5.putpixel((col, ligne), violet)

for col in range(0, 600):
    for ligne in range(0, 400):
        if (col-428.57)**2 + (ligne-285.71)**2 < 550:
            dessin5.putpixel((col, ligne), violet)

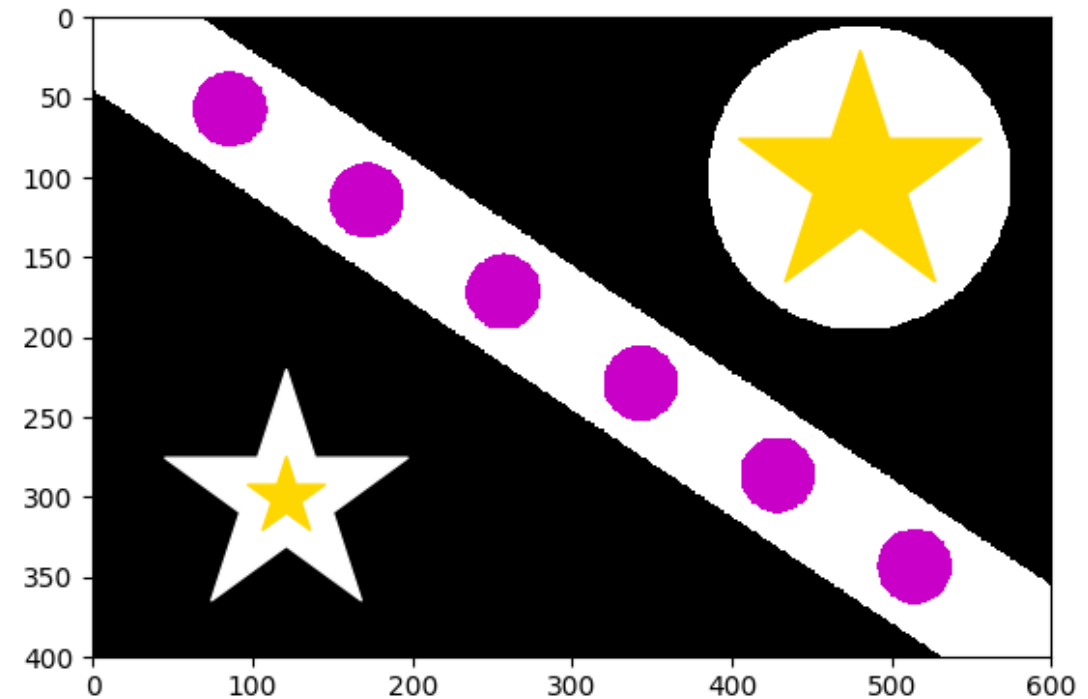
for col in range(0, 600):
    for ligne in range(0, 400):
        if (col-514.284)**2 + (ligne-342.852)**2 < 550:
            dessin5.putpixel((col, ligne), violet)
```

```
dessin5.putpixel((col,
ligne), violet)
```

```
for col in range(0, 600):
    for ligne in range(0, 400):
        if (col-480)**2 + (ligne-100)**2 < 9000:
            dessin5.putpixel((col, ligne), blanc)

plt.scatter(120, 300, s = 9000, c = 'white', marker = '*')
plt.scatter(120, 300, s = 900, c = 'gold', marker = '*')
plt.scatter(480, 100, s = 9000, c = 'gold', marker = '*')

plt.imshow(dessin5)
plt.show()
```



<https://trinket.io/python3/b8cc7f2b80>

Axel

```
import matplotlib.pyplot as plt
from PIL import Image
#Creation d'une image blanche RGB 10x10
drapeau = Image.new("RGB",(425,225),(255,255,255))
# Definitions des couleurs
bleu = (0,0,255)

for y in range(125,425):
    for x in range(0,25):
        drapeau.putpixel((y,x),bleu)

for y in range(125,425):
    for x in range(50,75):
        drapeau.putpixel((y,x),bleu)

for y in range(125,425):
    for x in range(100,125):
        drapeau.putpixel((y,x),bleu)

for y in range(425):
    for x in range(150,175):
        drapeau.putpixel((y,x),bleu)
```

```
for y in range(425):
    for x in range(200,225):
        drapeau.putpixel((y,x),bleu)

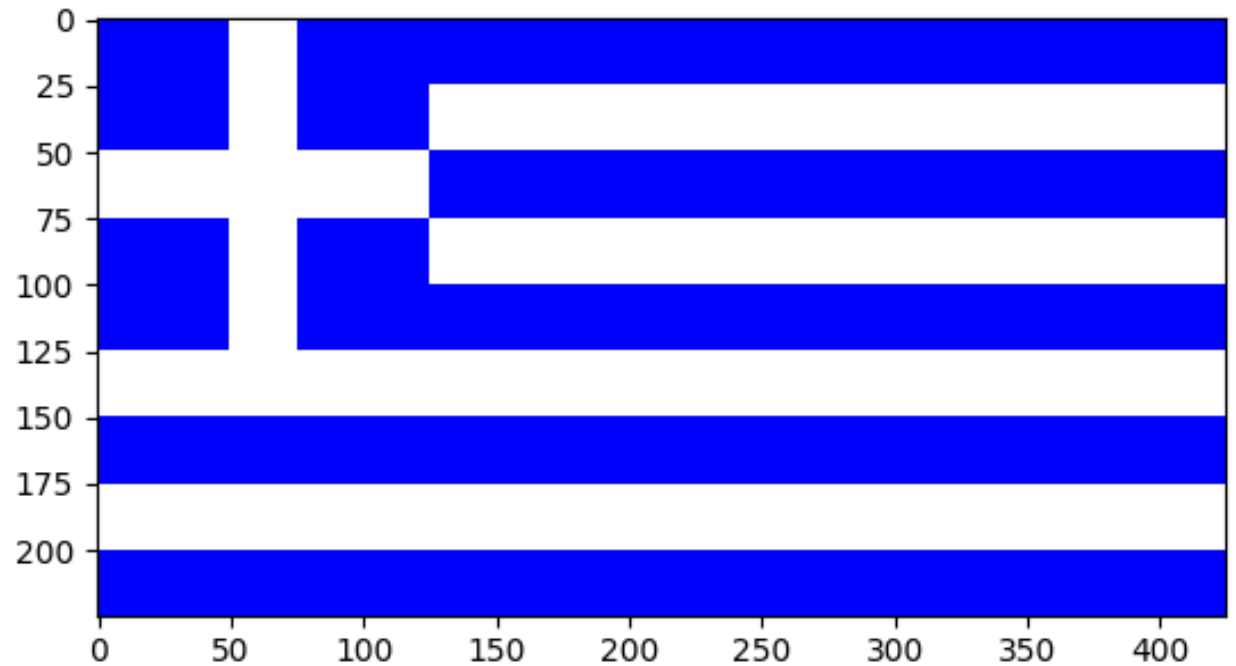
for y in range(0,50):
    for x in range(0,50):
        drapeau.putpixel((y,x),bleu)

for y in range(0,50):
    for x in range(75,125):
        drapeau.putpixel((y,x),bleu)
```

```
for y in range(75,125):
    for x in range(0,50):
        drapeau.putpixel((y,x),bleu)

for y in range(75,125):
    for x in range(75,125):
        drapeau.putpixel((y,x),bleu)

plt.imshow(drapeau)
plt.show()
```



Lina

```
import matplotlib.pyplot as plt
```

```
from PIL import Image
```

```
drapeau = Image.new("RGB", (600, 400), (255, 255, 255))
```

```
blanc = (255, 255, 255)
```

```
magenta = (255, 0, 255)
```

```
cyan = (0, 255, 255)
```

```
bleu = (0, 0, 255)
```

```
jaune = (255, 255, 0)
```

```
rose = (253, 108, 158)
```

```
peche = (253, 191, 183)
```

```
macouleur = (255, 0, 127)
```

```
for col in range(0, 600):
```

```
    for ligne in range(0, 400):
```

```
        if ligne >= (2/3)*col - 50 and ligne <= (2/3)*col + 50:
```

```
            drapeau.putpixel((col, ligne), magenta)
```

```
for col in range(0, 600):
```

```
    for ligne in range(0, 400):
```

```
        if ligne >= (2/3)*col - 40 and ligne <= (2/3)*col + 40:
```

```
            drapeau.putpixel((col, ligne), jaune)
```

```
for col in range(0, 600):
```

```
    for ligne in range(0, 400):
```

```
        if ligne >= (2/3)*col - 30 and ligne <= (2/3)*col + 30:
```

```
            drapeau.putpixel((col, ligne), magenta)
```

```
for col in range(0, 600):
```

```
    for ligne in range(0, 400):
```

```
        if ligne >= (2/3)*col - 20 and ligne <= (2/3)*col + 20:
```

```
            drapeau.putpixel((col, ligne), jaune)
```

```
for col in range(0, 600):
```

```
    for ligne in range(0, 400):
```

```
        if ligne >= (2/3)*col - 10 and ligne <= (2/3)*col + 10:
```

```
            drapeau.putpixel((col, ligne), magenta)
```

```
for col in range(0, 600):
```

```
    for ligne in range(0, 400):
```

```
        if ligne >= (2/3)*col - 3 and ligne <= (2/3)*col + 3:
```

```
            drapeau.putpixel((col, ligne), jaune)
```

```
plt.scatter(350, 380, s = 400, c = 'blue', marker = '*')
```

```
plt.scatter(300, 350, s = 400, c = 'blue', marker = '*')
```

```
plt.scatter(250, 320, s = 400, c = 'blue', marker = '*')
```

```
plt.scatter(200, 290, s = 400, c = 'blue', marker = '*')
```

```
plt.scatter(150, 250, s = 400, c = 'blue', marker = '*')
```

```
plt.scatter(100, 220, s = 400, c = 'blue', marker = '*')
```

```
plt.scatter(50, 190, s = 400, c = 'blue', marker = '*')
```

```
for col in range(0, 600):
```

```
    for ligne in range(0, 400):
```

```
        if (col-100)**2 + (ligne-320)**2 < 2000:
```

```
            drapeau.putpixel((col, ligne), macouleur)
```

```
for col in range(0, 600):
```

```
    for ligne in range(0, 400):
```

```
        if (col-100)**2 + (ligne-320)**2 < 1000:
```

```
            drapeau.putpixel((col, ligne), rose)
```

```
for col in range(0, 600):
```

```
    for ligne in range(0, 400):
```

```
        if (col-100)**2 + (ligne-320)**2 < 250:
```

```
            drapeau.putpixel((col, ligne), peche)
```

```
for col in range(0, 600):
```

```
    for ligne in range(0, 400):
```

```
        if (col-450)**2 + (ligne-100)**2 < 6000:
```

```
            drapeau.putpixel((col, ligne), cyan)
```

```
for col in range(0, 600):
```

```
    for ligne in range(0, 400):
```

```
        if (col-490)**2 + (ligne-100)**2 < 6000:
```

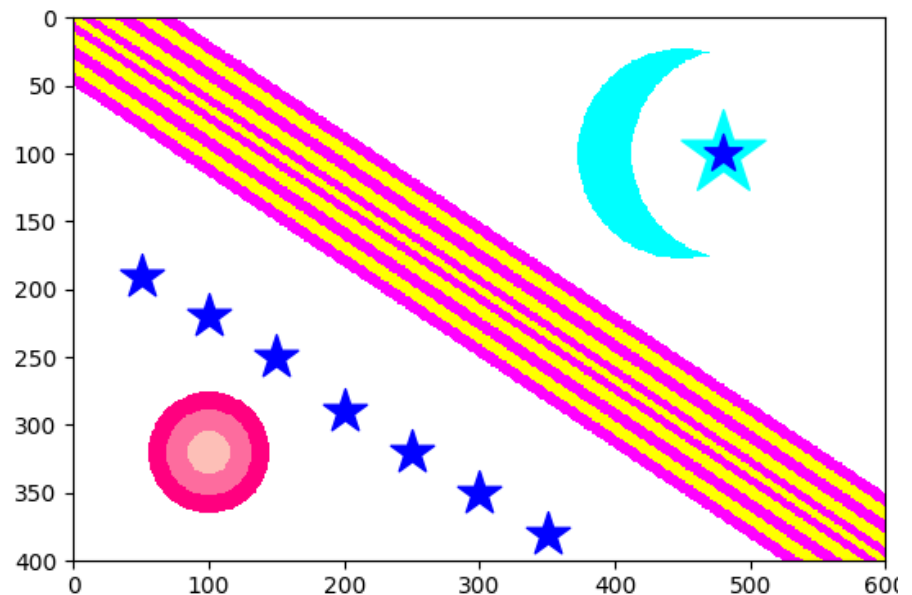
```
            drapeau.putpixel((col, ligne), blanc)
```

```
plt.scatter(480, 100, s = 1500, c = 'cyan', marker = '*')
```

```
plt.scatter(480, 100, s = 300, c = 'blue', marker = '*')
```

```
plt.imshow(drapeau)
```

```
plt.show()
```



<https://trinket.io/python3/89a649f767>

Margaux

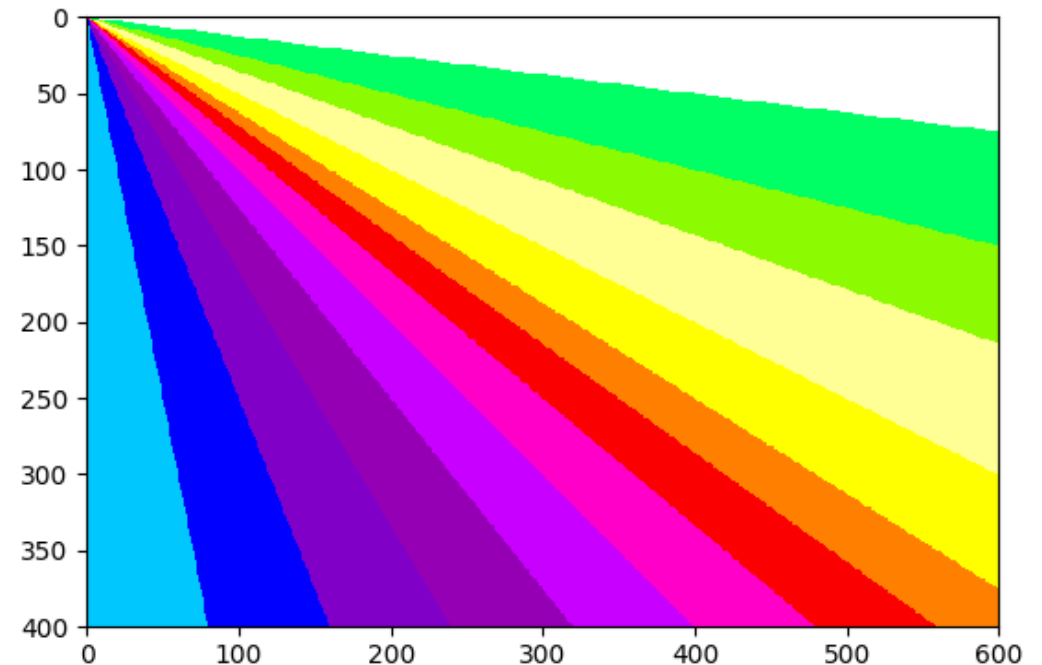
```
import matplotlib.pyplot as plt
from PIL import Image
drapeau=
Image.new("RGB",(600,400),(255,255,25
5))
bleuclair=(0,200,255)
bleufoncé=(0,0,255)
violetfoncé=(128,0,200)
violetclaire=(150,0,180)
rosefoncé=(200,0,255)
roseclaire=(255,0,200)
rouge=(250,0,0)
orange=(255,128,0)
jaune=(255,255,0)
jaunefoncé=(255,255,150)
vertclair=(140,250,0)
vertfoncé=(0,255,100)
blanc=(255,255,255)
for x in range(600):
    for y in range (400):
        if x<y*400:
            drapeau.putpixel((x,y),blanc)
for x in range(600):
    for y in range (400):
```

```
        if x<y*8:
            drapeau.putpixel((x,y),vertfoncé)
for x in range(600):
    for y in range (400):
        if x<y*4:
            drapeau.putpixel((x,y),vertclair)
for x in range(600):
    for y in range (400):
        if x<y*2.8:
            drapeau.putpixel((x,y),jaunefoncé)
for x in range(600):
    for y in range (400):
        if x<y*2:
            drapeau.putpixel((x,y),jaune)
for x in range(600):
    for y in range (400):
        if x<y*1.6:
            drapeau.putpixel((x,y),orange)
for x in range(600):
    for y in range (400):
        if x<y*1.4:
            drapeau.putpixel((x,y),rouge)
for x in range(600):
    for y in range (400):
        if x<y*1.2:
            drapeau.putpixel((x,y),roseclaire)
for x in range(600):
```

```
for y in range (400):
    if x<y*1:
        drapeau.putpixel((x,y),rosefoncé)
for x in range(600):
    for y in range (400):
        if x<y*0.8:
            drapeau.putpixel((x,y),violetclaire)
for x in range(600):
    for y in range (400):
        if x<y*0.6:
            drapeau.putpixel((x,y),violetfoncé)
for x in range(600):
    for y in range (400):
```

```
        if x<y*0.4:
            drapeau.putpixel((x,y),bleufoncé)
for x in range(600):
    for y in range (400):
        if x<y*0.2:
            drapeau.putpixel((x,y),bleuclair)
plt.imshow(drapeau)
plt.show()
```

<https://trinket.io/python3/180983b296>



Emilie

```
import matplotlib.pyplot as plt

from PIL import Image

dessin5 =
Image.new("RGB",(600,400),(150,0,200))

blanc = (255, 255, 255)

rouge = (255,0,0)

violet = (150, 0, 200)

bleu = (0,0,255)

black = (0,0,0)

for col in range(0, 600):
    for ligne in range(0, 400):
        if ligne >= (2/3)*col - 50 and ligne <=
(2/3)*col + 50:
            dessin5.putpixel((col, ligne), bleu)

image=Image.new("RGB",(180,120),(0,0,
128)

plt.scatter(100, 300, s = 7000, c = 'white',
marker = '*')

plt.scatter(100, 300, s = 1000, c = 'blue',
marker = '*')

plt.scatter(500, 100, s = 7000, c = 'blue',
marker = '*')
```

```
plt.scatter(500, 100, s = 1000, c = 'white',
marker = '*')

plt.scatter(50, 70, s = 100, c = 'white',
marker = '*')

plt.scatter(100, 105, s = 100, c = 'white',
marker = '*')

plt.scatter(150, 140, s = 100, c = 'white',
marker = '*')

plt.scatter(200, 175, s = 100, c = 'white',
marker = '*')

plt.scatter(250, 205, s = 100, c = 'white',
marker = '*')

plt.scatter(300, 240, s = 100, c = 'white',
marker = '*')

plt.scatter(350, 275, s = 100, c = 'white',
marker = '*')

plt.scatter(400, 305, s = 100, c = 'white',
marker = '*')

plt.scatter(450, 340, s = 100, c = 'white',
marker = '*')

plt.scatter(500, 375, s = 100, c = 'white',
marker = '*')

plt.scatter(100, 25, s = 100, c = 'white',
marker = '*')

plt.scatter(150, 60, s = 100, c = 'white',
marker = '*')

plt.scatter(200, 95, s = 100, c = 'white',
marker = '*')

plt.scatter(250, 125, s = 100, c = 'white',
marker = '*')

plt.scatter(300, 160, s = 100, c = 'white',
marker = '*')
```

```
plt.scatter(350, 190, s = 100, c = 'white',
marker = '*')

plt.scatter(400, 225, s = 100, c = 'white',
marker = '*')

plt.scatter(450, 260, s = 100, c = 'white',
marker = '*')

plt.scatter(500, 295, s = 100, c = 'white',
marker = '*')

plt.scatter(550, 325, s = 100, c = 'white',
marker = '*')

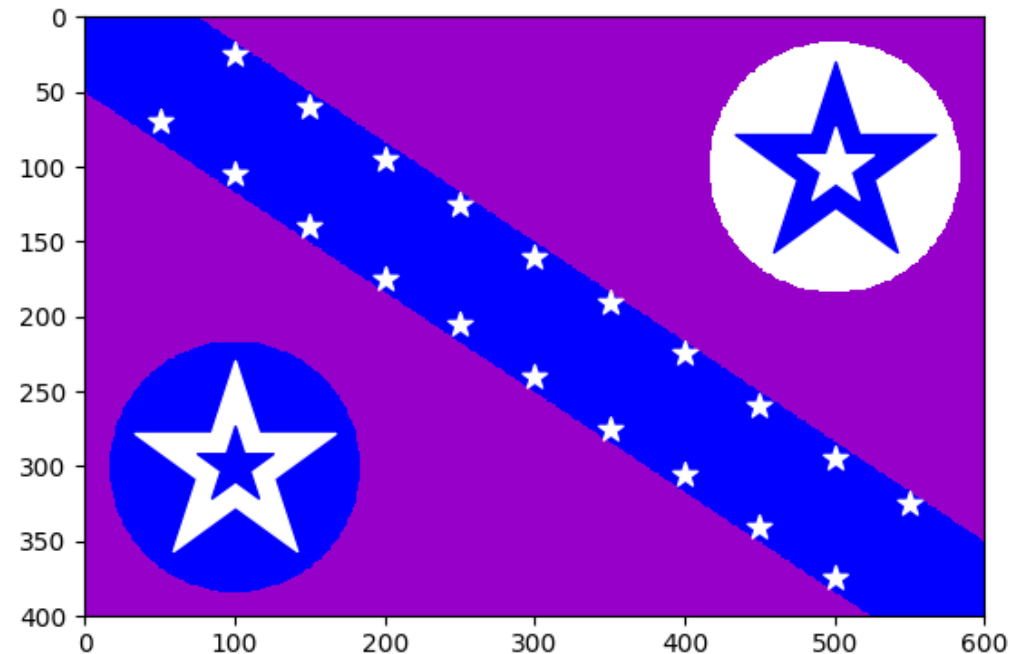
for col in range(0, 600):
    for ligne in range(0, 400):
        if (col-500)**2 + (ligne-100)**2 <
7000:
            dessin5.putpixel((col, ligne),
blanc)
```

```
for col in range(0, 600):
    for ligne in range(0, 400):
        if (col-100)**2 + (ligne-300)**2 <
7000:
            dessin5.putpixel((col, ligne), bleu)

plt.imshow(dessin5)

plt.sho
```

<https://trinket.io/python3/92d1233401>



Emeline

```
import matplotlib.pyplot as plt
```

```
from PIL import Image
```

```
#Creation d'une image blanche RGB 10x10
```

```
dessin5 = Image.new("RGB", (600,400), (0,0,255))
```

```
# Definitions des couleurs
```

```
blanc = (255, 255, 255)
```

```
bleu=(0,0,255)
```

```
rouge=(255,0,0)
```

```
#On parcourt tous les pixels de l'image:
```

```
for col in range(0,600):
```

```
    for ligne in range(0, 400):
```

```
        if ligne >= (2/3)*col-40 and ligne <=(2/3)*col+40:
```

```
            dessin5.putpixel((col, ligne),blanc)
```

```
        if ligne >=(-2/3)*col+ 350 and ligne <= (-2/3)*col+ 450:
```

```
            dessin5.putpixel((col, ligne),blanc)
```

```
for col in range(0,600):
```

```
    for ligne in range(0, 400):
```

```
        if ligne >= (2/3)*col-20 and ligne <=(2/3)*col+20:
```

```
            dessin5.putpixel((col, ligne),rouge)
```

```
        if ligne >=(-2/3)*col+ 380 and ligne <= (-2/3)*col+ 420:
```

```
            dessin5.putpixel((col, ligne),rouge)
```

```
for col in range(0,600):
```

```
    for ligne in range(0, 400):
```

```
        if ligne > 170 and ligne < 240:
```

```
            dessin5.putpixel((col, ligne),blanc)
```

```
        if col > 270 and col < 340:
```

```
            dessin5.putpixel((col,ligne), blanc)
```

```
for ligne in range(0, 400):
```

```
    if ligne > 190 and ligne < 220:
```

```
        dessin5.putpixel((col, ligne),rouge)
```

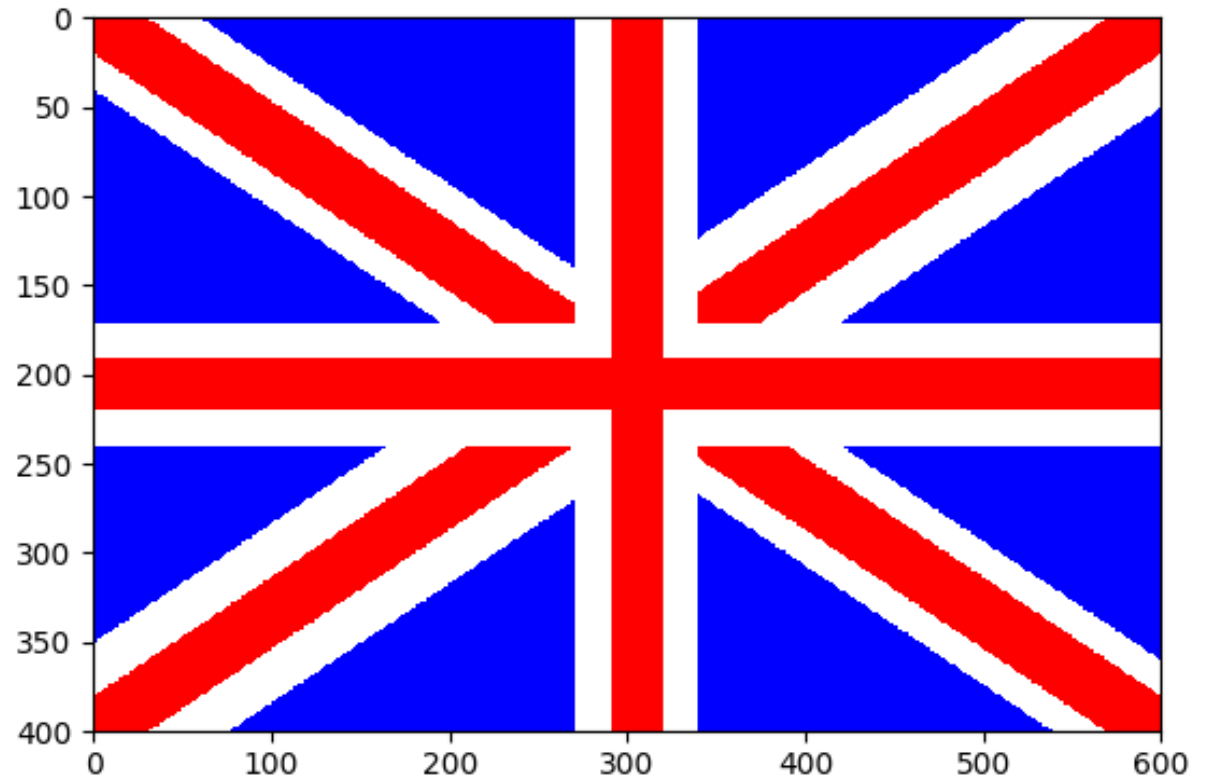
```
    if col > 290 and col < 320:
```

```
        dessin5.putpixel((col,ligne), rouge)
```

```
plt.imshow(dessin5)
```

```
plt.show()
```

<https://trinket.io/python3/f447213083>



Adeline

```
import matplotlib.pyplot as plt
```

```
from PIL import Image
```

```
drapeau = Image.new("RGB", (600, 300), (255, 255, 255))
```

```
bleu = (0, 51, 153)
```

```
jaune = (255, 180, 0)
```

```
vert = (80, 150, 50)
```

```
noir = (0, 0, 0)
```

```
rouge = (255, 0, 0)
```

```
blanc = (255, 255, 255)
```

```
for x in range(500):
```

```
    for y in range(200):
```

```
        if x > y:
```

```
            drapeau.putpixel((x, y), noir)
```

```
for x in range(600):
```

```
    for y in range(100):
```

```
        if x > 2.5 * y:
```

```
            drapeau.putpixel((x, y), rouge)
```

```
for x in range(600):
```

```
    for y in range(200):
```

```
        if x < 2.5 * y:
```

```
            drapeau.putpixel((x, y), bleu)
```

```
for col in range(500, 600):
```

```
    for ligne in range(100, 200):
```

```
        drapeau.putpixel((col, ligne), jaune)
```

```
for col in range(0, 600):
```

```
    for ligne in range(200, 300):
```

```
        drapeau.putpixel((col, ligne), vert)
```

```
for col in range(275, 325):
```

```
    for ligne in range(0, 300):
```

```
        drapeau.putpixel((col, ligne), blanc)
```

```
for col in range(0, 600):
```

```
    for ligne in range(125, 175):
```

```
        drapeau.putpixel((col, ligne), blanc)
```

```
for col in range(295, 305):
```

```
    for ligne in range(0, 300):
```

```
        drapeau.putpixel((col, ligne), noir)
```

```
for col in range(0, 600):
```

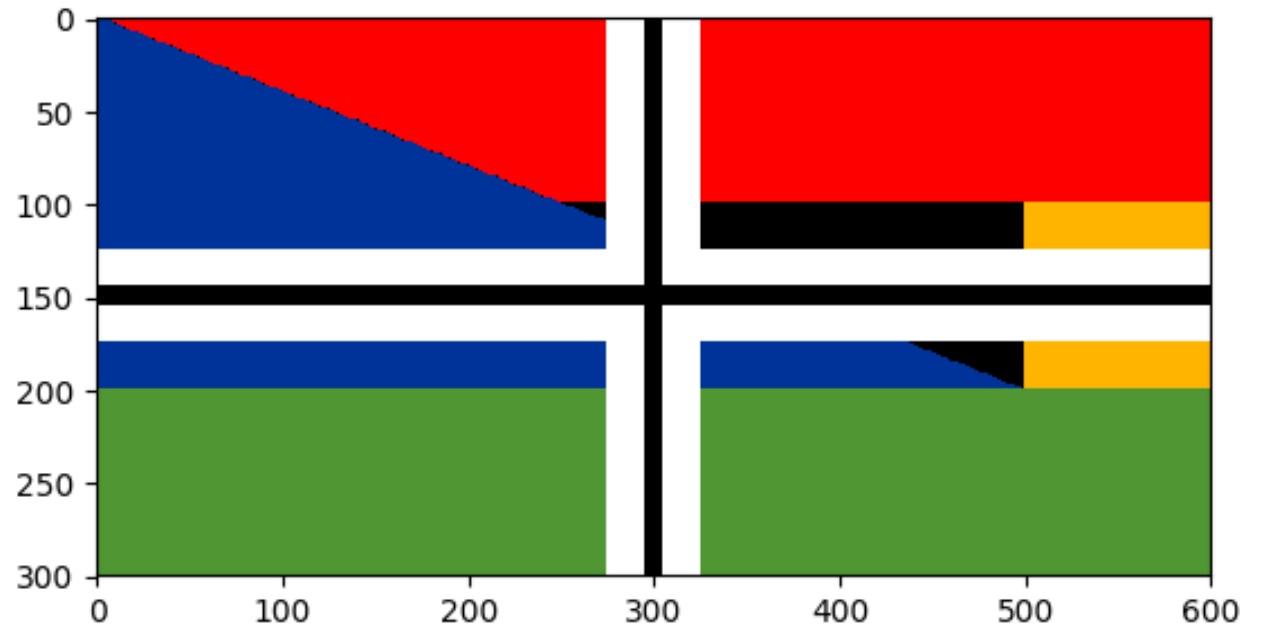
```
    for ligne in range(145, 155):
```

```
        drapeau.putpixel((col, ligne), noir)
```

```
plt.imshow(drapeau)
```

```
plt.show()
```

<https://trinket.io/python3/b692f2bdef>



Apoline

```
import matplotlib.pyplot as plt

from PIL import Image

#Création d'une image blanche RGB
10x10

drapeau = Image.new("RGB", (600
,400), (255,255,255))

bleu = (0, 51, 153)
rouge= (255, 0, 0)
blanc= (255, 255, 255)
noir= (0, 0, 0)
vert= (0, 220, 0)
jaune= (200, 250, 60)

for col in range (300,500):
    for ligne in range (0,400):
        if (col-200)*2 + (ligne-50)*2<400:
            drapeau.putpixel((col, ligne), noir)

for x in range(600):
    for y in range(400):
        if x==y:
            drapeau.putpixel((x, y), (bleu))

for x in range(600):
    for y in range(400):
        if x<2*y:
```

```
        drapeau.putpixel((x, y), (bleu))

for x in range(400):
    for y in range(300):
        if x==y:
            drapeau.putpixel((x, y), (noir))

for x in range(400):
    for y in range(300):
        if x<2*y:
            drapeau.putpixel((x, y), (noir))

for x in range(300):
    for y in range(200):
        if x==y:
            drapeau.putpixel((x, y), (rouge))

for x in range(300):
    for y in range(200):
        if x<2*y:
            drapeau.putpixel((x, y), (rouge))

for x in range(200):
    for y in range(100):
        if x==y:
            drapeau.putpixel((x, y), (bleu))
```

```
for x in range(200):
    for y in range(100):
        if x<2*y:
            drapeau.putpixel((x, y), (bleu))

for col in range(200, 280):
    for ligne in range(0, 120):
        if (col-10)*2 + (ligne-150)*2 < 400:
            drapeau.putpixel((col, ligne), rouge)

#Création étoile:
plt.scatter(80, 120, s = 500, c = 'white',
marker = '*')
```

```
plt.scatter(70, 110, s = 500, c = 'black',
marker = '*')

plt.scatter(300, 300, s = 5000, c = 'white',
marker = '*')

plt.scatter(300, 300, s = 3000, c = 'black',
marker = '*')

plt.scatter(500, 150, s = 7000, c = 'black',
marker = '*')

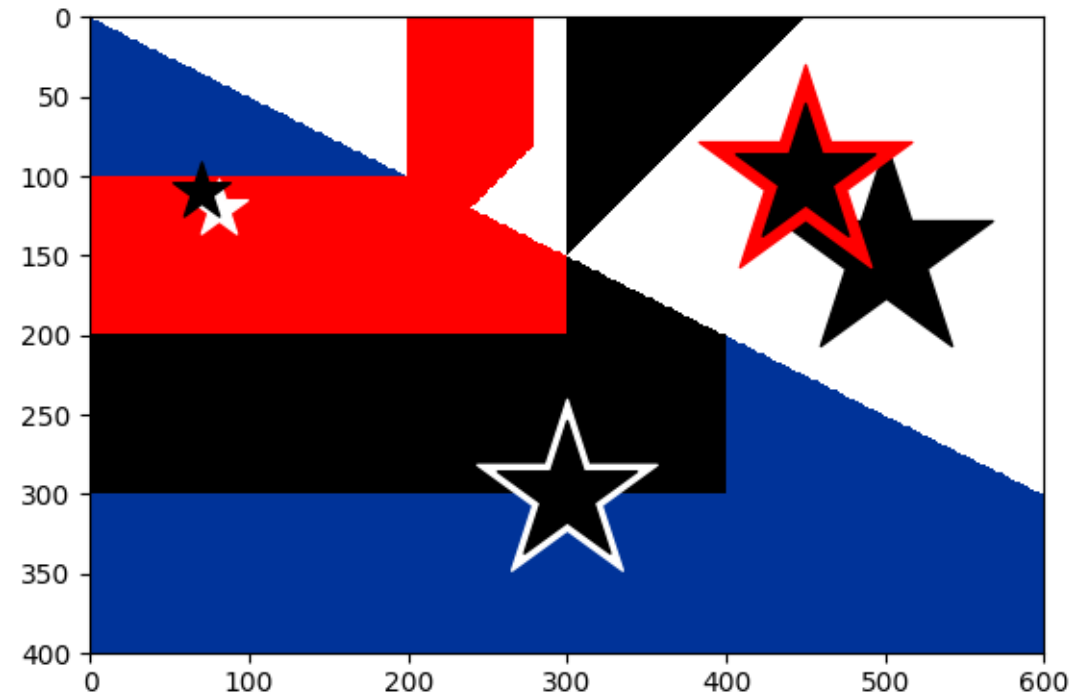
plt.scatter(450, 100, s = 7000, c = 'red',
marker = '*')

plt.scatter(450, 100, s = 3000, c = 'black',
marker = '*')

plt.imshow(drapeau)

plt.show()
```

<https://trinket.io/python3/77c09bfc2c>



Hiba

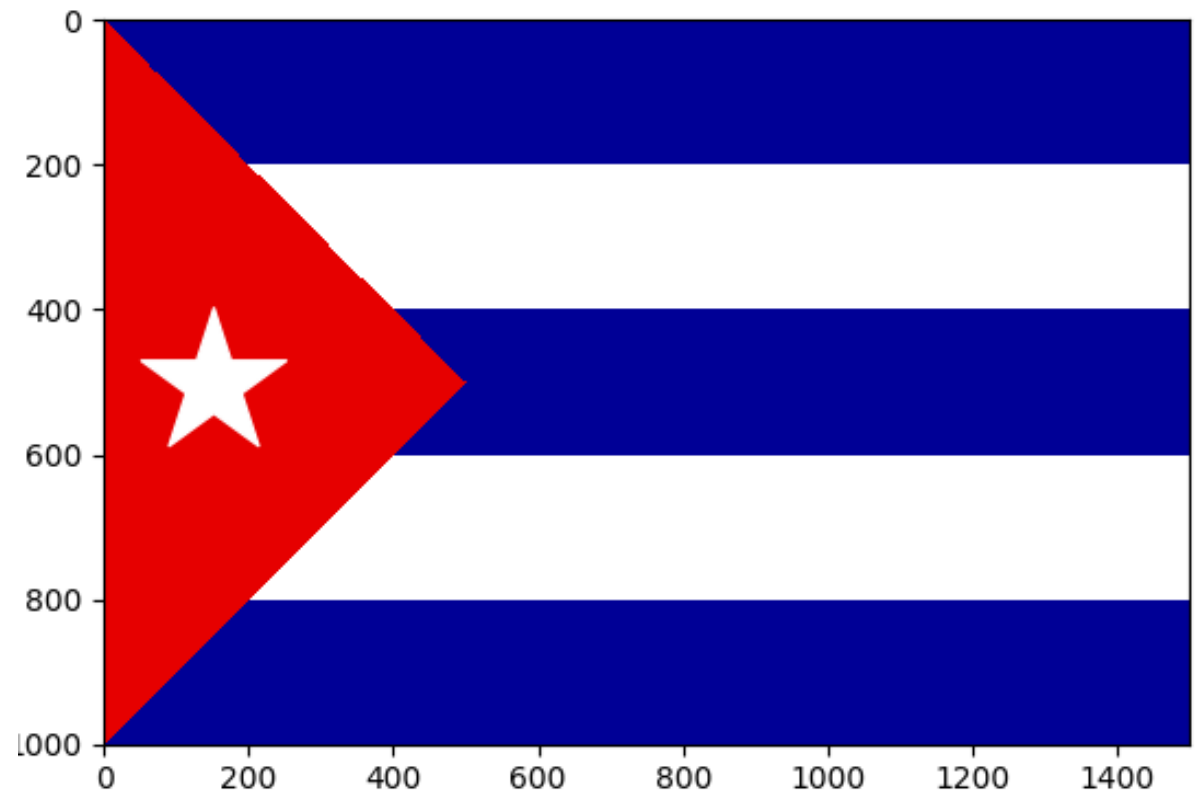
```
import matplotlib.pyplot as plt
from PIL import Image

#Creation d'une image blanche RGB 10x10
dessin5 = Image.new("RGB", (1500, 1000), (0, 0, 150))
blanc = (255, 255, 255)
rouge = (230, 0, 0)

for col in range(0, 1500):
    for ligne in range(200, 1000):
        if ligne < 400:
            dessin5.putpixel((col, ligne), blanc)
for col in range(0, 1500):
    for ligne in range(600, 1000):
        if ligne < 800:
            dessin5.putpixel((col, ligne), blanc)
for col in range(0, 1500):
    for ligne in range(0, 1000):
        if ligne >= (200/200)*col + 0 and ligne <= (-200/200)*col + 1000:
            dessin5.putpixel((col, ligne), rouge)

plt.scatter(150, 500, s = 2500, c = 'white', marker = '*')
plt.imshow(dessin5)
plt.show()
```

<https://trinket.io/python3/0daf342303>



Swany

```
import matplotlib.pyplot as plt
from PIL import Image
drapeau = Image.new("RGB", (1000, 1000), (0, 100, 0))
bleu = (0, 0, 200)
blanc = (255, 255, 255)
rouge = (255, 0, 0)
jaune = (255, 255, 0)
violet = (128, 0, 128)
```

```
for x in range(1000):
    for y in range(1000):
        if y < 3*x:
            drapeau.putpixel((x, y), (255, 255, 255))
```

```
for x in range(1000):
    for y in range(1000):
        if y < 1.5*x:
            drapeau.putpixel((x, y), (255, 0, 0))
```

```
for x in range(1000):
    for y in range(1000):
        if x > 1.5*y:
            drapeau.putpixel((x, y), (255, 255, 0))
```

```
for x in range(1000):
    for y in range(1000):
        if x > 4*y:
            drapeau.putpixel((x, y), (0, 0, 200))
```

```
for x in range(1000):
    for y in range(1000):
        if y > 1*x and y < 1.1*x:
            drapeau.putpixel((x, y), (255, 128, 0))
```

```
for x in range(1000):
    for y in range(1000):
        if x > 1*y and x < 1.1*y:
            drapeau.putpixel((x, y), (255, 128, 0))
```

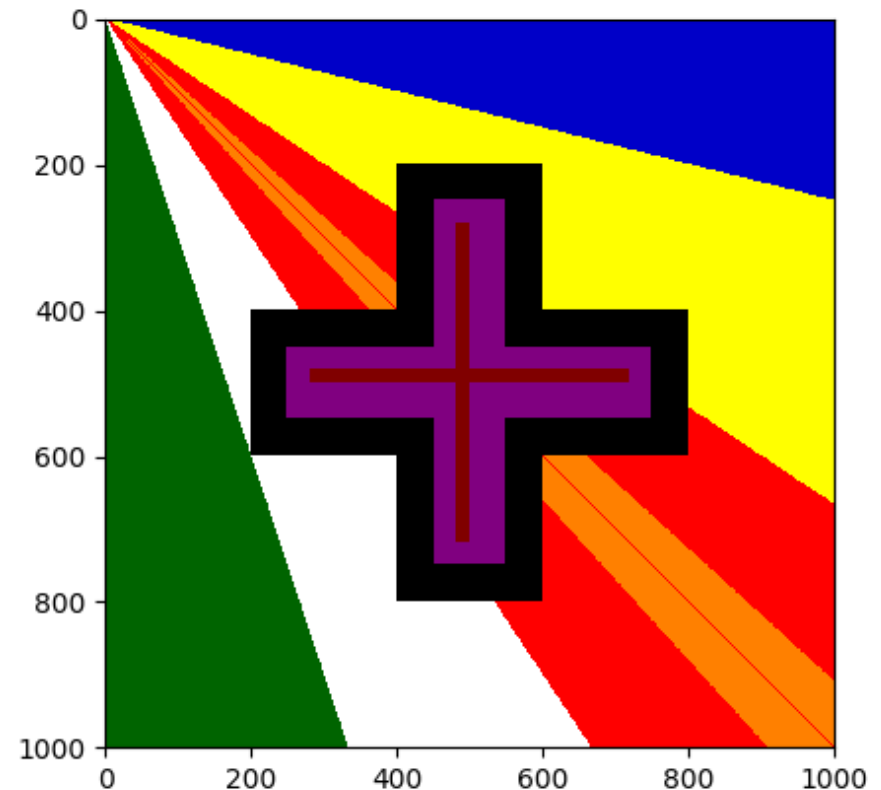
```
for col in range(200, 800):
    for ligne in range(200, 800):
        if ligne > 400 and ligne < 600:
            drapeau.putpixel((col, ligne), (0, 0, 0))
        if col > 400 and col < 600:
            drapeau.putpixel((col, ligne), (0, 0, 0))
```

```
for col in range(250, 750):
    for ligne in range(250, 750):
        if ligne > 450 and ligne < 550:
            drapeau.putpixel((col, ligne), (128, 0, 128))
        if col > 450 and col < 550:
            drapeau.putpixel((col, ligne), (128, 0, 128))
```

```
for col in range(280, 720):
    for ligne in range(280, 720):
        if ligne > 480 and ligne < 500:
            drapeau.putpixel((col, ligne), (128, 0, 0))
        if col > 480 and col < 500:
            drapeau.putpixel((col, ligne), (128, 0, 0))
```

```
plt.imshow(drapeau)
plt.show()
```

<https://trinket.io/python3/6ea62eb95f>



Gwenn

```
import matplotlib.pyplot as plt
```

```
from PIL import Image
```

```
#Creation d'une image blanche RGB 10x10
```

```
dessin5 = Image.new("RGB", (600,400), (204,204,204))
```

```
#Definitions des couleurs
```

```
blanc = (255, 255, 255)
```

```
rouge= (255, 0, 0)
```

```
bleu= (0, 0, 200)
```

```
jaune= (253, 238, 0)
```

```
for col in range(0, 600):
```

```
    for ligne in range(0, 200):
```

```
        dessin5.putpixel((col, ligne), jaune)
```

```
for col in range(0, 600):
```

```
    for ligne in range(200, 400):
```

```
        dessin5.putpixel((col, ligne), rouge)
```

```
for col in range(0, 600):
```

```
    for ligne in range(0, 400):
```

```
        #Un triangle (2 conditions):
```

```
        if ligne >= (75/100)*col + 0 and ligne <= (-75/100)*col
```

```
            + 400:
```

```
            dessin5.putpixel((col, ligne), blanc)
```

```
plt.scatter(100, 200, s = 4000, c = 'blue', marker = '*')
```

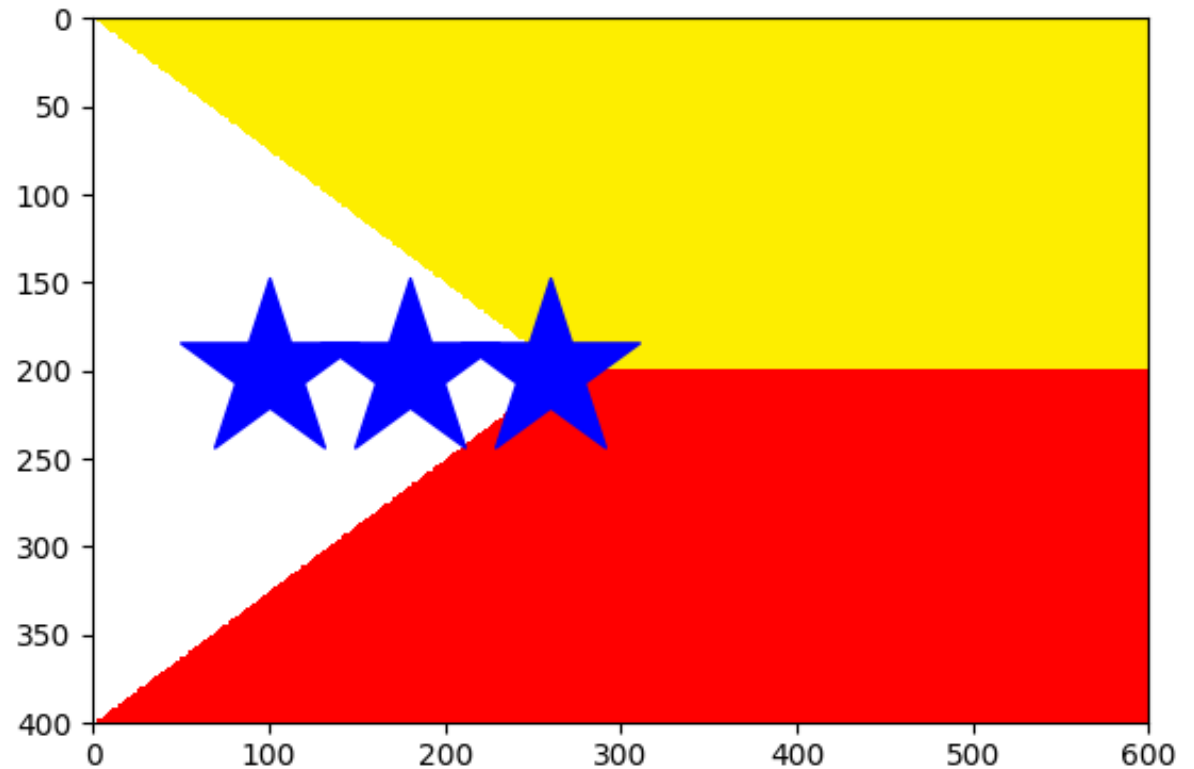
```
plt.scatter(180, 200, s = 4000, c = 'blue', marker = '*')
```

```
plt.scatter(260, 200, s = 4000, c = 'blue', marker = '*')
```

```
plt.imshow(dessin5)
```

```
plt.show()
```

<https://trinket.io/python3/4278454182>



Emma

```
import matplotlib.pyplot as plt

from PIL import Image

#Creation d'une image blanche RGB
10x10

test =
Image.new("RGB",(70,40),(125,0,125))

bleu = (0, 51, 153)
rouge = (255, 0, 0)
vert = (0, 175, 0)
jaune = (255, 255, 0)
noir = (0, 0, 0)
blanc = (255, 255, 255)
violet = (125, 0, 125)

for col in range(39,70):
    for ligne in range(0,16):
        if ligne > 0 and ligne < 16:
            test.putpixel((col, ligne),rouge)
        if col >39 and col <70:
            test.putpixel((col, ligne),rouge)
    for col in range(39,70):
        for ligne in range(24,40):
            if ligne > 24 and ligne < 40:
                test.putpixel((col, ligne),bleu)
            if col >39 and col <70:
                test.putpixel((col, ligne),bleu)
    for col in range(37,39):
        for x in range(35):
```

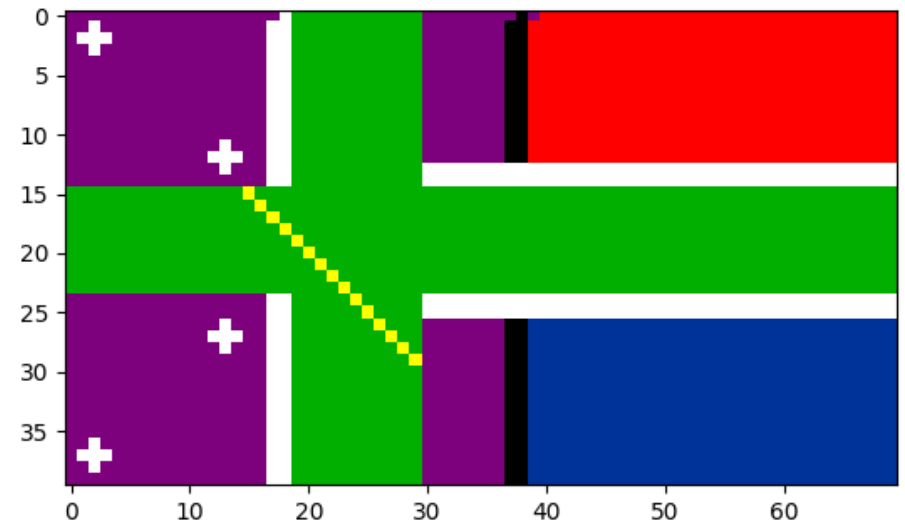
```
        for ligne in range(0,40):
            if ligne > 0 and ligne < 40:
                test.putpixel((col, ligne),noir)
            if col >37 and col <39:
                test.putpixel((col, ligne),noir)
        for col in range(29,70):
            for ligne in range(13,15):
                if ligne > 13 and ligne < 15:
                    test.putpixel((col, ligne),blanc)
            if col >29 and col <70:
                test.putpixel((col, ligne),blanc)
        for col in range(29,70):
            for ligne in range(24,26):
                if ligne > 24 and ligne < 26:
                    test.putpixel((col, ligne),blanc)
            if col >29 and col <70:
                test.putpixel((col, ligne),blanc)
        for col in range(17,19):
            for ligne in range(0,40):
                if ligne > 0 and ligne < 40:
                    test.putpixel((col, ligne),blanc)
            if col >17 and col <19:
                test.putpixel((col, ligne),blanc)
        for col in range(0,70):
            for ligne in range(0,40):
                if ligne > 14 and ligne < 24:
                    test.putpixel((col, ligne),vert)
                if col >18 and col <30:
                    test.putpixel((col, ligne),vert)
        for x in range(35):
```

```
            for y in range(30):
                if x==y:
                    test.putpixel((x, y), (jaune))
            for x in range(15):
                for y in range(30):
                    if x==y:
                        test.putpixel((x, y), (violet))
            for col in range(0,4):
                for ligne in range(2,3):
                    if ligne > 2 and ligne < 3:
                        test.putpixel((col, ligne),blanc)
            if col >0 and col <4:
                test.putpixel((col, ligne),blanc)
            for col in range(2,3):
                for ligne in range(-0,4):
                    if ligne > -0 and ligne < 4:
                        test.putpixel((col, ligne),blanc)
            if col >2 and col <3:
                test.putpixel((col, ligne),blanc)
            for col in range(2,3):
                for ligne in range(35,39):
                    if ligne > 35 and ligne < 39:
                        test.putpixel((col, ligne),blanc)
            if col >2 and col <3:
                test.putpixel((col, ligne),blanc)
            for col in range(0,4):
```

```
                for ligne in range(37,38):
                    if ligne > 37 and ligne < 38:
                        test.putpixel((col, ligne),blanc)
                    if col >0 and col <4:
                        test.putpixel((col, ligne),blanc)
                for col in range(13,14):
                    for ligne in range(25,29):
                        if ligne > 25 and ligne < 29:
                            test.putpixel((col, ligne),blanc)
                        if col >13 and col <14:
                            test.putpixel((col, ligne),blanc)
                    for col in range(11,15):
                        for ligne in range(27,28):
                            if ligne > 27 and ligne < 28:
                                test.putpixel((col, ligne),blanc)
                            if col >11 and col <15:
                                test.putpixel((col, ligne),blanc)
```

```
                for col in range(13,14):
                    for ligne in range(10,14):
                        if ligne > 10 and ligne < 14:
                            test.putpixel((col, ligne),blanc)
                        if col >13 and col <14:
                            test.putpixel((col, ligne),blanc)
                    for col in range(11,15):
                        for ligne in range(12,13):
                            if ligne > 12 and ligne < 13:
                                test.putpixel((col, ligne),blanc)
                            if col >11 and col <15:
                                test.putpixel((col, ligne),blanc)
                plt.imshow(test)
                plt.show()
```

<https://trinket.io/python3/2528d354a>



Lola

```
import matplotlib.pyplot as plt
```

```
from PIL import Image
```

```
drapeau= Image.new("RGB",(100,67),(0,0, 255))
```

```
# Definitions des couleurs
```

```
blanc = (255, 255, 255)
```

```
rouge = (255, 0, 0)
```

```
bleu = (0, 0, 255)
```

```
def etoile(x,y):
```

```
    drapeau.putpixel((x, y), blanc)
```

```
    drapeau.putpixel((x+1, y), blanc)
```

```
    drapeau.putpixel((x-1, y), blanc)
```

```
    drapeau.putpixel((x, y+1), blanc)
```

```
    drapeau.putpixel((x, y-1), blanc)
```

```
for x in range(50,100):
```

```
    for y in range(0,7):
```

```
        drapeau.putpixel((x, y), rouge)
```

```
for x in range(50,100):
```

```
    for y in range(7,12):
```

```
        drapeau.putpixel((x, y), blanc)
```

```
for x in range(50,100):
```

```
    for y in range(12,17):
```

```
        drapeau.putpixel((x, y), rouge)
```

```
for x in range(50,100):
```

```
    for y in range(17,22):
```

```
        drapeau.putpixel((x, y), blanc)
```

```
for x in range(50,100):
```

```
    for y in range(22,27):
```

```
        drapeau.putpixel((x, y), rouge)
```

```
for x in range(50,100):
```

```
    for y in range(27,32):
```

```
        drapeau.putpixel((x, y), blanc)
```

```
for x in range(50,100):
```

```
    for y in range(32,37):
```

```
        drapeau.putpixel((x, y), rouge)
```

```
for x in range(0,100):
```

```
    for y in range(37,42):
```

```
        drapeau.putpixel((x, y), blanc)
```

```
for x in range(0,100):
```

```
    for y in range(42,47):
```

```
        drapeau.putpixel((x, y), rouge)
```

```
for x in range(0,100):
```

```
    for y in range(47,52):
```

```
        drapeau.putpixel((x, y), blanc)
```

```
for x in range(0,100):
```

```
    for y in range(52,57):
```

```
        drapeau.putpixel((x, y), rouge)
```

```
for x in range(0,100):
```

```
    for y in range(57,62):
```

```
        drapeau.putpixel((x, y), blanc)
```

```
for x in range(0,100):
```

```
    for y in range(62,67):
```

```
        drapeau.putpixel((x, y), rouge)
```

```
etoile(4,2)    etoile(12,2)
```

```
etoile(20,2)   etoile(28,2)
```

```
etoile(36,2)   etoile(44,2)
```

```
etoile(8,6)    etoile(16,6)
```

```
etoile(24,6)   etoile(32,6)
```

```
etoile(40,6)   etoile(4,10)
```

```
etoile(12,10)  etoile(20,10)
```

```
etoile(28,10)  etoile(36,10)
```

```
etoile(44,10)  etoile(8,14)
```

```
etoile(16,14)  etoile(24,14)
```

```
etoile(32,14)  etoile(40,14)
```

```
etoile(4,18)   etoile(12,18)
```

```
etoile(20,18)  etoile(28,18)
```

```
etoile(36,18)  etoile(44,18)
```

```
etoile(8,22)   etoile(16,22)
```

```
etoile(24,22)  etoile(32,22)
```

```
etoile(40,22)  etoile(4,26)
```

```
etoile(12,26)  etoile(20,26)
```

```
etoile(28,26)  etoile(36,26)
```

```
etoile(44,26)  etoile(8,30)
```

```
etoile(16,30)  etoile(24,30)
```

```
etoile(32,30)  etoile(40,30)
```

```
etoile(4,34)   etoile(12,34)
```

```
etoile(20,34)  etoile(28,34)
```

```
etoile(36,34)  etoile(44,34)
```

```
plt.imshow(drapeau)    plt.show()
```

```
https://trinket.io/python3/ddd71d01
```

