

kmeans

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In [8]: from kmeans import KMeans

img = np.array(Image.open('../images/kmeans.png').convert('L'))
kmeans = KMeans(img)
kmeans.run()
img_b = kmeans.new_image()

kmeans.k = 4
kmeans.run()
img_b4 = kmeans.new_image()

kmeans.k = 8
kmeans.run()
img_b8 = kmeans.new_image()

plt.imshow(np.hstack((img, img_b, img_b4, img_b8)), cmap='gray')
plt.show()
```

