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%matplotlib inline
import matplotlib.pyplot as plt
from scipy import ndimage
from sklearn import cluster
image = ndimage.imread("kmeans2.jpg")
plt.figure(figsize = (15,8))
plt.imshow(image)

image.shape

x, y, z = image.shape
image_2d = image.reshape(x*y, z)
image_2d.shape

kmeans_cluster = cluster.KMeans(n_clusters=2)
kmeans_cluster.fit(image_2d)
cluster_centers = kmeans_cluster.cluster_centers_
cluster_labels = kmeans_cluster.labels_

plt.figure(figsize = (15,8))
plt.imshow(cluster_centers[cluster_labels].reshape(x, y, z))
```



