Jurassic Park Image segmentation

Objective:

• Use k-means clustering for image segmentation and to identify dominant color in the image.

Question:

1. **Open and display the image "jurassic_park.jpeg".**

2. **Convert the image in to numpy array, so that it can be used in further processing.**
    [Hint: Use PIL module from python]

3. **Find out the dimensions of the image and convert it in to a two-dimensional array.**

4. **Use kmeans clustering with k set to 4 and cluster the image.**
    [Hint: Refer to k-means module of scikit learn]

5. **Predict the cluster label of every pixel in the image and plot it back as an image.**

6. **Find out the three dominant colors in the image.**
    [Hint: The cluster centers should correspond to three dominant colors]