```
Insert code cell below (Ctrl-M E)

[] !pip install opencv-python pandas

Requirement already satisfied: opencv-python in /usr/local/lib/python3.11/dist-packages (4.11.0.86)

Requirement already satisfied: pandas in /usr/local/lib/python3.11/dist-packages (2.2.2)

Requirement already satisfied: numpy>=1.21.2 in /usr/local/lib/python3.11/dist-packages (from opencv-python) (2.0.2)

Requirement already satisfied: python-dateutil>=2.8.2 in /usr/local/lib/python3.11/dist-packages (from pandas) (2025.2)

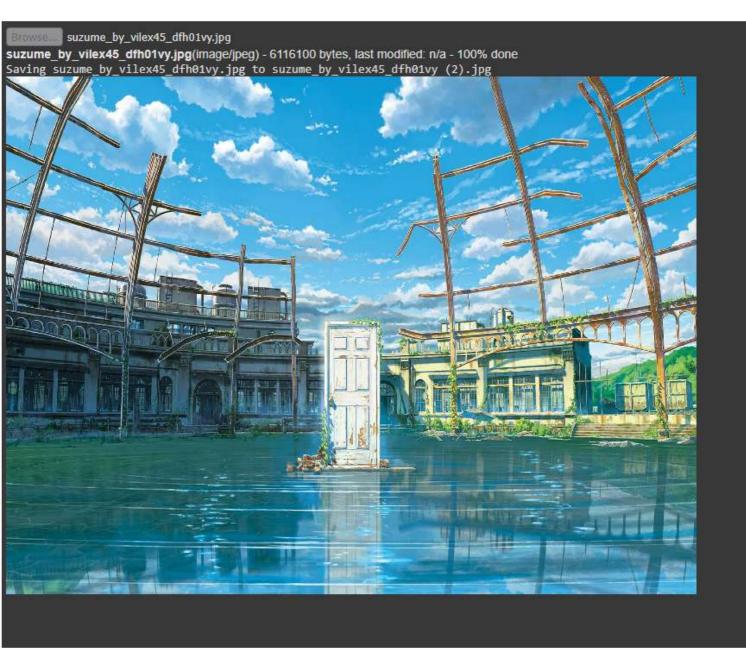
Requirement already satisfied: python-dateutil>=2.8.2 in /usr/local/lib/python3.11/dist-packages (from pandas) (2025.2)

Requirement already satisfied: tzdata>=2022.7 in /usr/local/lib/python3.11/dist-packages (from pandas) (2025.2)

Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.11/dist-packages (from python-dateutil>=2.8.2->pandas) (1.17.0)

[] # Import libraries import cv2 import pandas as pd import numpy as np from google.colab.patches import cv2_imshow from google.colab import files
```





```
# Click event handler
     def onclick(event):
         if event.xdata is not None and event.ydata is not None:
            x = int(event.xdata)
             y = int(event.ydata)
             R, G, B = img[y, x]
             cname = get_color_name(R, G, B)
             print(f"Clicked at (\{x\}, \{y\}) \rightarrow RGB: (\{R\}, \{G\}, \{B\}) \mid Closest Color Name: \{cname\}")
             fig, ax = plt.subplots(figsize=(10, 2))
             ax.set_facecolor((R/255, G/255, B/255))
             ax.text(10, 0.5, f"{cname} R=\{R\} G=\{G\} B=\{B\}", fontsize=14, color='white', va='center')
             ax.axis('off')
             plt.show()
     print("Click on the image to detect a color...")
     fig, ax = plt.subplots()
     cid = fig.canvas.mpl_connect('button_press_event', onclick)
     plt.imshow(img)
     plt.axis('off')
     plt.show()
```

```
Requirement already satisfied: pandas in /usr/local/lib/python3.11/dist-packages (2.2.2)
Requirement already satisfied: opencv-python-headless in /usr/local/lib/python3.11/dist-packages (4.11.0.86)
Requirement already satisfied: numpy>=1.23.2 in /usr/local/lib/python3.11/dist-packages (from pandas) (2.0.2)
Requirement already satisfied: python-dateutil>=2.8.2 in /usr/local/lib/python3.11/dist-packages (from pandas) (2.9.0.post0)
Requirement already satisfied: pytz>=2020.1 in /usr/local/lib/python3.11/dist-packages (from pandas) (2025.2)
Requirement already satisfied: tzdata>=2022.7 in /usr/local/lib/python3.11/dist-packages (from pandas) (2025.2)
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.11/dist-packages (from python-dateutil>=2.8.2->pandas) (1.17.0)
Browsen suzume_by_wiex45_dfh01vy.jpg
```

suzume\_by\_vilex45\_dfh01vy.jpg(mage/jpeg) - 6116100 bytes, last modified n/a - 100% done
Saving suzume\_by\_vilex45\_dfh01vy.jpg to suzume\_by\_vilex45\_dfh01vy (1).jpg
Click on the image to detect a color...

