

Color Picker Script Technical Documentation

ColorPicker Project Documentation

Background

The Color Picker script is designed to provide an interactive interface for users to select colors and obtain their values in different formats, such as HEX, RGB, etc. This tool is built using Python, specifically leveraging graphical user interface libraries for real-time color selection and display.

ColorPicker Project Documentation Requirements

Must: Offer an interactive graphical interface for color selection.

Should: Display the selected color's value in various formats.

Could: Allow users to copy color values to the clipboard.

Would: Integrate with design tools or applications for direct color usage.

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Method

The script uses Python's tkinter library to create the GUI, enabling users to pick colors through a color dialog box. It then processes the selected color to display its values in different standard formats.

Color Picker Project Documentation Implementation

1. Environment Setup: Requires Python 3.x with tkinter installed for GUI components.
2. Color Selection: Utilizes tkinter's color dialog to let users choose colors.
3. Display and Processing: After color selection, the script calculates and displays the color's values in HEX, RGB, and possibly other formats.

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Code Snippet

```
from tkinter import colorchooser

def pick_color():

    color_code = colorchooser.askcolor(title='Choose color')

    print('Selected color:', color_code)
```

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Milestones

1. GUI Development: Complete the graphical interface for color picking.
2. Color Processing: Implement functionality to process and display the selected color's values.
3. User Interaction: Ensure that the color values can be easily copied or used within other applications.

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Gathering Results

Evaluate the functionality, usability, and integration of the color picker script, ensuring it meets the needs of users for accurate and intuitive color selection.