

COLOR PALETTE GENERATION

Our website is able to generate three different color types of color palettes based on an uploaded .jpg or .png file:

CLASSIC



DOMINANT/ACCENT



ANALOGOUS



Additionally, users can crop their images in the website to generate color palettes from specific regions.



UPDATED CLASSIC



UPDATED DOMINANT/ACCENT



UPDATED ANALOGOUS



Hover over a specific color to see the color code and click 'DOWNLOAD' to save the picture to your computer.



PALETTEFUL

GET CREATIVITY FROM YOUR FAVORITE IMAGES.

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VISIT

www.paletteful.herokuapp.com

ABOUT OUR PROJECT

We created a website that allows users to generate color palettes based on images that they upload. We also tested two different approaches to image sentiment analysis using neural networks.

APPLICATIONS

PRESENTATIONS

WEBSITES

LOGO DESIGN

ILLUSTRATION

INTERIOR DESIGN

and so on! What would you use our website for?



ACKNOWLEDGEMENTS

We would like to thank the Olin College of Engineering Software Design instructors and NINJAS for their help during our project (special shoutout to Paul Ruvolo and Vicky McDermott).

We would also like to thank HTML5 Up, CodyHouse, Paul Kinzett, and Allan Bishop for their beautiful HTML templates and JS plugins.

IMAGE SENTIMENT ANALYSIS

We worked with tensorflow to create two different neural networks to identify the sentiment of images based on color.

One was based on the convolutional neural network used to identify handwritten numbers. The other used K Means clustering to organize all of the colors present in the image by their relationship to pre-defined central colors. This information was then fed into several dense layers.

We trained and tested both networks on images scraped and resized from Flickr. Both networks sort input images into one of four categories:

HAPPINESS



SADNESS



MYSTERIOUS

Both networks were up to 40% accurate.

This feature is not currently available on the paletteful website.