Gbiv User Documentation

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Dux D-zine

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CHAPTER

ONE

GETTING STARTED

Welcome to Gbiv's user documentation! Here you will find information that will help to guide you through using our web application and give you some background on our recommendation system.

For questions about this document or anything else related to Gbiv, feel free to get in touch with the DUX D-Zine team at duxdzine@gbiv.com or by calling our help line at 1 (800) 867-5309.

Below we go through each section of the user documentation and give a brief description of what content is available there.

1.1 "Overview" Section

In this section we give an overview of the functionality of Gbiv and discuss some of the ways you (the user) could apply Gbiv to your daily life.

1.2 "The Site" Section

This section of this document describes the web interface which acts as the frontend to Gbiv. Here you will find descriptions of the individual pages, tutorials on how to interact with the user interface, and general site navigation.

1.3 "Format of Inputs and Outputs" Section

In "Input Formatting" we describe how inputs into the DATSR system should be formatted. This includes instructions for formatting files containing predictions or new data sets as well as formatting for filling out forms available on the site

1.4 "Walkthrough" Section

In this section we provide a basic sequence of steps to follow if you would like to get familiar with the Gbiv. This is a good place to start if you want to jump right into using the application.

1.5 “Color Theory Basics” Section

Here we give a brief introduction to the core principles of color theory to better understand the science behind Gbiv. This section will give you further insight if you are wishing to learn more about how the palette and color recommender system works.

CHAPTER

TWO

OVERVIEW OF THE APPLICATION

Gbiv is a web application created for the designer in all of us. Design is everywhere–from the clothes you put on in the morning to the building you live in–and an essential part of all design is color. Our application provides a powerful tool for utilizing color theory when making design decisions.

In the digital space there are color classification systems structured around color theory principles, but in the physical world we often lack such convenience. Gbiv bridges this gap by allowing users to upload images of physical objects and extract the primary color of what is pictured. It then goes a step further by performing automated design analysis and suggesting related colors and palettes. This lets everyone, whether they are professionals or beginners, utilize the power of color theory in their everyday life.

Have you ever been painting your house and needed to match a new color to the existing color scheme? Do you ever find yourself wondering what color of pants match with your new sweater? Or maybe you are at the furniture store and can't figure out if a couch would "fit" with your living room chair? All of these are situations where Gbiv can save the day.

Beyond this primary functionality, Gbiv offers several other services to support end-users. This includes providing example palettes for design inspiration and giving information about color theory principles so that users can understand the science behind Gbiv's recommendations.

CHAPTER

THREE

THE SITE

The website at which users can access Gbiv is divided into four pages which all link to each other through a shared navbar at the top of each page. When the user first visits the URL that brings them to Gbiv, they will find themseleves on the "Main Page" (see Section 3.1 for more details). From there, they can simply click the title of the page they wish to go to which will be listed in the top left corner of the page.

3.1 Main Page

Here is where users will start when the visit Gbiv. This page provides the interface to use the application's primary function which is uploading an image for color analysis and suggestions. At the top of the main page you can see a box prompting you to upload an image. For more information about how to format image inputs see Section 4.

Once the user has uploaded an image, there will be a short period in which Gbiv will analyze the colors. After analysis is complete, the page will refresh and below the image upload prompt there will now be several suggested palettes. If you wish to filter which palettes are displayed, simply click the available tags above the palettes and Gbiv will change your suggestions. Continue scrolling down past the palettes and you will find several individual related colors that are separated into different categories.

3.2 Example Palettes Page

On this page several example palettes are shown with the intention of inspiring design decisions and providing pre-made color schemes for those without a place to start. Much like the related palettes section on the main page, here you will find several options for tags to filter by along the top of the page. By clicking these descriptors, you will refresh the palettes shown so that they match the selected adjective.

The palettes are displayed visually in the form of blocks divided into 4 different colors. By hovering over these blocks you can find the hex code for each color in the set.

3.3 Color Theory Page

If you are wanting to learn more about color theory this is the place for you! Here you will find a brief introduction to the subject and further details on the principles used in creating Gbiv's recommender system.

3.4 About Us Page

Last but not least, the "About Us" page gives some background on the DUX D-Zine team and the Gbiv project in particular. If you wish to get in touch with us or have any questions about the application, you can also find contact information here.

CHAPTER

FOUR

FORMAT OF INPUTS AND OUTPUTS

The photos you upload to Gbiv must be in the standardized image formats of .jpg, .jpeg, or .png so that they can be interpreted by the system.

The output of Gbiv is solely composed of colors. When using the application, you will be able to see the colors visually, but also be able to get the hex codes that correspond to the colors displayed.

Hex color codes are a way of classifying the colors used on the web. They come in the form of a 6 character code with a pound symbol (#) in front of it. This system of defining colors is used extensively in web development, but is also recognized in a variety of other domains such as commercial paint and printing.

CHAPTER

FIVE

WALKTHROUGH

CHAPTER

SIX

COLOR THEORY BASICS