

A Study on Art Makeup Design Using Butterflies

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Abstract: Butterflies have long been the subject of artistic creation, cultural expression and ecological research due to their unique beauty and symbolism. This thesis takes 10 butterfly works as research objects, combining the perspectives of art analysis, special effect makeup and butterfly morphology to explore the design concepts, expression methods and the symbolism they express. The 10 butterfly forms were re-drawn using butterfly innovations, special means of expression and color painting techniques in the special effects makeup. The makeup shows that these butterfly works not only show the diversity and innovation of artistic creation, but also give people a better understanding of butterfly forms. This study provides new ideas for artistic makeup butterfly-related themes, as well as new ideas for future art and fashion.

1. Introduction

1.1. Background of the study

Butterflies, with their rich colors and unique forms, are known as “flying flowers” and have played an important role in the art, culture and science of human civilization. From ancient frescoes to modern art installations, butterflies have been used as a symbolic element in different cultural contexts, representing not only beauty and freedom, but also carrying a deeper meaning of life, transformation and harmony with nature. In addition, with the increasing severity of global ecological problems, the conservation and research of butterflies as indicator species of ecological health has attracted widespread attention. This study aims to explore the artistic value, cultural symbolism and ecological significance of butterflies by analyzing 10 butterfly-themed artworks.

1.2. Scope and methodology of the study

The purpose of this study is to explore the significance of artistic value and innovation by analyzing 10 butterfly-themed artworks. On the one hand, these works reflect how to use makeup to express the special makeup of butterflies; on the other hand, it is hoped that the combination of ecosystem-heavy butterflies and art will provide some new development ideas for future art development.

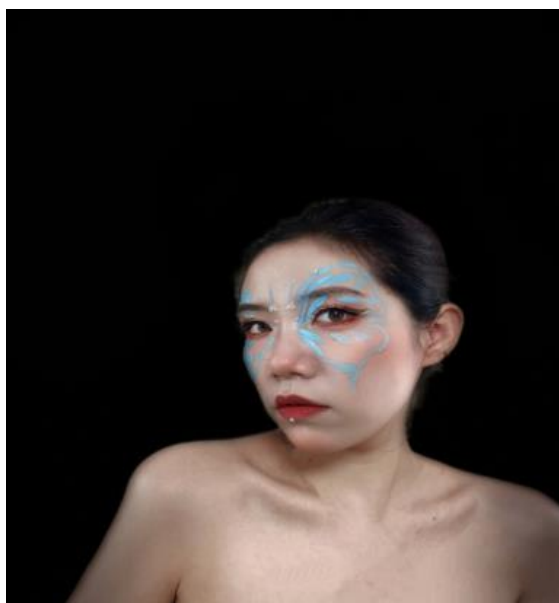


Figure 1. Finished Makeup



Figure 2. preparatory process

Table 1. Flowchart of a study

See butterfly images in applied research
Butterflies and butterfly wings are shown in miniature images of pairs of features and styling, literature and prior research are examined, and after analyzing the stylistic nature, examples of artistic makeup design applying the butterfly image are categorized as expressive methods.
Extract themes that combine butterfly uniqueness (10 in total)
Pieris rapae Danaus plexippus Morpho menelaus Vanessa atalanta Papilio machaon Papilio blumei Glaucopsyche alexis Papilio ulysses Graphium agamemnon
Makeup Illustration + Color Application + Demonstration
Represent butterfly textures and characteristics with makeup illustrations. Use color as a symbol for visualization through artwork demonstrations.

Highlighting the characteristics of butterflies, 10 butterfly forms were designed as artistic makeup and proposals were completed. The flow chart of the study is shown in Table.

These 10 makeup looks were applied to a total of 1 model. In addition to the method of using general makeup tools and materials, special tools such as face-specific oils, colored powders, and

sequins were used.

2. Theoretical background

2.1. General thoughts on butterflies

2.1.1 Types of butterflies and their characteristics

Butterfly species are abundant (Espeland et al., 2018), with China accounting for about 1,300 species out of a total of 17,000 recorded butterflies worldwide.

These butterflies are classified into four general families: the Butterfly Family, the Crested Butterfly Family, the Gray Butterfly Family, and the Nymphalidae Family, with 17 subfamilies. Butterflies are sensitive to changes in environmental factors such as temperature, humidity, light and altitude, and can respond quickly to subtle changes in the environment, and are often used as environmental indicator insects [3-5]. In the mid-18th century, Georges Buffon, a French naturalist, recognized that different regions of the world contained different biological clusters [6].

By the end of the 20th century, the research on butterflies in western countries represented by Britain, France, the United States, Australia and so on had made great progress.

Butterflies have long been a symbol of beauty, grace and transformation in nature. Incorporating the form, color and symbolism of butterflies into artistic makeup can express the power of nature and human emotions through creativity. Butterfly art makeup combines the concepts of makeup design and bio-aesthetics to create an artistic and life-affirming look by observing the shape of the butterfly, the color patterns of its wings, and its dynamic changes. This style of makeup is often used in stage performances, fashion shows and photography to convey the beauty of spirituality.

<Table 1> Types of butterflies





















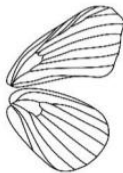


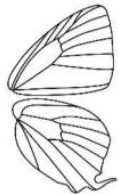






Sortation	Buy	Rye	
tiger and butterfly family	 www.flickr.com	 www.asapsience.tumblr.com	 www.ebay.co.uk
	Graphium sarpedon	Troides helena	Papilio lormieri
a white-naped family	 http://terms.naver.com	 http://terms.naver.com	 http://terms.naver.com
	Aporia hippia	Gonepteryx aspasia	Pieris rapae
a butterfly without electricity	 www.ebay.co.uk	 www.pinterest.com	 www.pinterest.com
	Plebejus argyrognomon	Japonica lutea	Curetis acuta, Moore
a four-legged butterfly	 www.flickr.com	 insectdesigns.com	 www.stsy.com
	Mellicta athalia	Heliconius melpomene	Kallima inachus
a fluttering butterfly	 www.learnboubutflies.com	 en.m.wikipedia.com	 www.vlindernet.nl
	Daimio tethys	Carterocephalus silvicola	Carterocephalus palaemon

Figure 3. Types of butterflies

<Table 2> Types and characteristics of butterflies

Sortation	Representative case	Characteristics	Color	a representative color
tiger and butterfly family	 www.aspscience.tumblr.com	*Colorful and full of varieties. *There are many large species and the uncinata process is well developed.		
a white-naped family	 www.naver.com	*Most of them fly slowly, and only the yellow butterfly family flies exceptionally fast *There are also types that travel far away		
an underdeveloped butterfly family	 www.google.com	*It lives in tropical and subtropical regions and is mostly small in size. *Guided to the tip of the wings to attract natural enemies.		
four-legged butterfly family	 www.insectdesigns.com	*The body is strong and the front foot is degenerated, so it is small. *Adult worms are active during the day and fly without moving their wings.		
a family of butterflies	 www.vlindernet.nl	*fly lightly as if dancing. The body is larger than the wings and the wings are very fast		

3)

Figure 4. Types and characteristics of butterflies

2.1.2 Features of butterfly wing images

Butterflies are one of the most aesthetically and functionally valuable insects in nature with their rich wing image characteristics and unique ecological adaptations. Butterfly wings are not only flying organs, but their unique form, texture, color and functional design also reflect natural aesthetics and evolutionary wisdom, providing an important theoretical basis for the fields of art, design and bionics.

Butterfly wings have a physics trick up their sleeves: they're made of layers of water. Water protects the butterfly's wings like scales on a fish and keeps them from getting wet in the rain. and keep the wings from getting wet in the rain, and give butterflies their brilliant colors. These wing scales are called lamellae or lamellae (overlapping scales), and the more of them there are, the more light they reflect 7)

7)Geum, Dong-Hwa (2006), A Fun Trip to Nanotechnology, (Seoul; Yangmun Publishing House) p71

Morphological Characteristics of Butterfly Wings

Butterfly wings are composed of forewings and hindwings, with left-right symmetrical structure, and their morphology is diversified:

Basic shape: the forewings are usually triangular or streamlined, which is conducive to the generation of flight power; the hindwings are wider, providing stability and control.

Edge variations: The wing edges are rich in morphology, with wavy, serrated and caudate projections (e.g. crested butterflies) demonstrating their diversity, and edge features are often an important basis for species identification.

MORPHOLOGY OF BUTTERFLIES

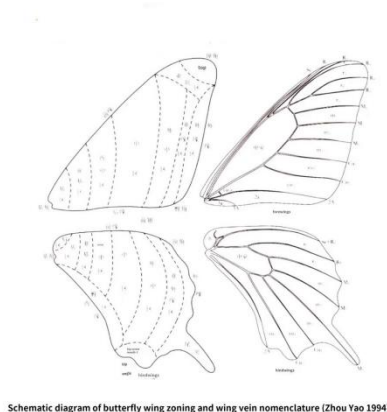


Figure 5. Morphology of butterflies

2.2. Art Makeup

Artistic make-up is a form of creation that elevates make-up from its traditional beautification function to the level of artistic expression, using the human face or body as a “canvas” and combining elements such as color, texture, three-dimensional shapes and materials to display creativity and visual impact beyond everyday make-up. Artistic makeup is often used in stage performances, photography, fashion shows or art exhibitions, and is highly personalized and symbolic.

The human face is experimental and creative as makeup to create a character by approaching the shape of the eyes, nose, and mouth from a new perspective, and to express non-verbal communication effects and inner sensations. Therefore, art makeup artists are not only responsible for beautifying the face, but also as artists who recreate characters and design the human body to reflect the culture of the time. 7)

Face painting

Face painting is a type of unstructured and free expression through the strokes of a paintbrush, utilizing the faces and curves of the face to the fullest extent. In face painting, the artist uses the face as a canvas and works on part or all of the face using abstract, realistic depictions and photographic techniques.8)

3. design artistic makeup applications




3.1Pieris rapae

The White-striped Gray Butterfly is a common small butterfly with faint gray stripes on its wings

and an overall white color, symbolizing purity and serenity. It mostly inhabits fields or gardens, accompanied by the glow of early morning dew.

Makeup Inspiration: Clear base makeup with white pearlescent powder setting powder, use silver lines to outline the butterfly's wing contour to make the makeup more three-dimensional. Weaken the lip makeup color to emphasize the overall simplicity and elegance.

Table 2. Artwork 1




Title	Pieris rapae
Makeup Illustrations	
Color Analysis	
Works	

3.2Morpho helena

The Blue Flash Nymph is known for the blue-pink gradient on its wings, which glows with a stunning iridescent sheen in the sunlight. It lives in the rainforest and is a symbol of romance and freedom.

Makeup Inspiration: Blue and pink color clash treatment, adding subtle highlighter and diamonds as embellishment, lips translucent watery lip gloss, simulating the butterfly's wings in the sunlight dreamy gradient.

Table 3. Artwork 2



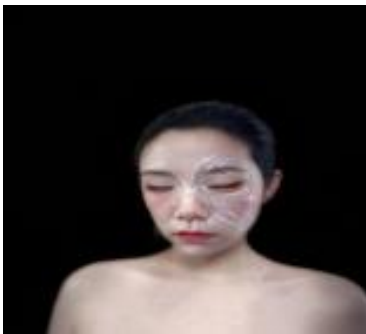
Title	Morpho helena
Makeup Illustrations	
Color Analysis	
Works	

3.3 Danaus plexippus

The silverspot butterfly is named for the delicate silver patterns on its wings. It is a representative of seasonal migration and always shows a noble and resilient vitality.

Makeup Inspiration: Adding metallic silver lines, combined with cool-toned matte base makeup, and choosing bright lip glaze for the lips, the overall makeup exudes a futuristic and noble look.

Table 4. Artwork 3



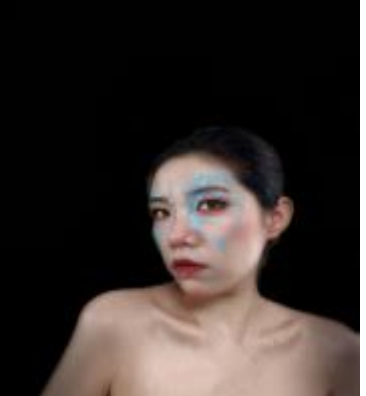
Title	Danaus plexippus
<p>Makeup Illustrations</p>	
<p>Color Analysis</p>	
<p>Works</p>	

3.4Morpho menelaus

With its wings of vibrant electric blue, the Blue Flash Butterfly is the brightest presence in the forests of tropical America. It represents hope and a vision of beauty.

Makeup Inspiration: Saturated blue eyeshadow intermingles with light blue lines, adding pearls as accents. The cheekbones are lightly swept with blue-toned pearl highlights, as if butterfly wings were dancing in the sun.

Table 5. Artwork 4


Title	Morpho menelaus
Makeup Illustrations	
Color Analysis	
Works	

3.5 Vanessa atalanta

The Red Spotted Nymph is known for its black wings and striking red markings, displaying a strong contrasting aesthetic. Commonly found in gardens or forests, it symbolizes passion and strength.

Makeup Inspiration: A fiery red pattern with black lines and sparkling diamonds. Add black lip glaze to your lips to mimic the bold clash of colors on the butterfly's wings. It is a more three-dimensional makeup overall.

Table 6. Artwork 5



Title	Vanessa atalanta
Makeup Illustrations	
Color Analysis	
Works	

3.6Papilio machaon

With its wings covered in black and yellow patterns and edged with a jagged caudal protuberance, the Yellow Spotted Crested Butterfly is a combination of elegance and power in nature.

Makeup Inspiration: Patchwork eye makeup in yellow and white, with lines outlining the beauty of the butterfly's structure, for an individualistic look.

Table 7. Artwork 6




Title	Papilio machaon
Makeup Illustrations	
Color Analysis	
Works	

3.7 Papilio blume

Known for the emerald green iridescence of its wings, which shimmer and change color wonderfully with the angle, the emerald green shimmering butterfly is a work of art in nature.

MAKEUP INSPIRATION: Use cool green and mint green wool for the butterfly wings and white lines for the butterfly wing texture. Add orange as an accent. Paired with a sheer base and orange lip color, it exudes a fresh and spirited natural vitality.

Table 8. Artwork 7




Title	Papilio blume
Makeup Illustrations	
Color Analysis	
Works	

3.8 *Glaucopsyche alexis*

The blue sheen on the wings and the white scales on the underside of the Blue-White Gray Butterfly, commonly found in flower fields or among grasses, symbolize serenity and harmony.

Makeup Inspiration: Ice blue and pearl white gradient eyeshadow design with dot and line outlining techniques. Lips and eyebrows are colored in a dreamy blue-violet to create a light and dreamy look.

Table 9. Artwork 8




Title	Glaucopsyche alexis
Makeup Illustrations	
Color Analysis	
Works	

3.9 Papilio ulysses

Known for its deep purple and blue intertwined wings, the Purple Spotted Crested Butterfly signifies mystery and nobility, making it a dreamy breed loved by many.

MAKEUP INSPIRATION: Purple smoky makeup with gradient purple tone highlights, slightly raised eyebrows and purple gradient color for lips. Create a sense of mystery and elegant atmosphere.

Table 10. Artwork 9

Title	Papilio ulysses
Makeup Illustrations	
Color Analysis	
Works	

3.10 Graphium agamemnon

The yellow-green markings on the wings of the Green-banded Swallow Crested Butterfly contrast sharply with the black base color, a representation of vitality and energy in the rainforest.

Makeup inspiration: yellow-green gradient eyeshadow with white eyeliner outlining the structure of the wings, the overall makeup is richly layered, and the lip makeup is in light gold tones to highlight the natural spirit.

Table 11. Artwork 10





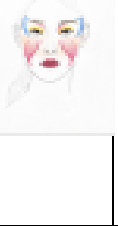







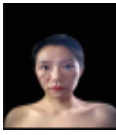
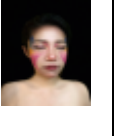
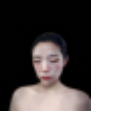
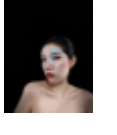
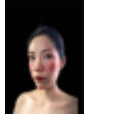










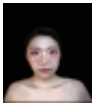

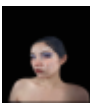
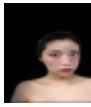
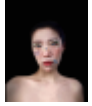
Title	Graphium agamemnon
Makeup Illustrations	
Color Analysis	
Works	

Table 12. Workbook

Title	Pieris rapae	Morpho helen a	Danaus plexippus	Morpho menelaus	Vanessa atalanta
Makeup Illustrations					
	The illustrated white color is the main tone, and the overall makeup is clean and pure.	Red Blue color match	White line and spangle makeup	Romantic and beautiful.	Enthusiasm and strength
Color Analysis					
	Grey	Pinkish Blue	silver (color)	Sapphire blue	Red
Works					
	Feelings of purity and serenity	Romance and Freedom	Exudes nobility	Hope and Goodness	Passion and Power
Title	Papilio machaon	Papilio blumei	Glaucopsyche alexis	Papilio ulysses	Graphium agamemnon
Makeup	classy	Fresh and	tranquillity	Mysterious elegance	Vital Energy

Illustrations		dynamic 			
	Eye makeup is yellow overall, full of gorgeous makeup.	It takes the shape of the woolen butterfly wings around the eyes, making the overall volume of the makeup stronger	Multiple blue layers around the eyes	Purple Butterfly, Noble Mystery.	Fresh and vivid natural vitality
Color Analysis					
	Yellow	Yellowish Green	Blue	Purple	Green
Title					

4. Epilogue

This study was inspired by nature's various butterflies, combining them with makeup for an innovative look.

The design diversity and aesthetic expression of butterfly works have significant features in many aspects of color aesthetics and creative aesthetics;

First, symbolism: butterflies are often given butterfly species and butterfly forms in the works. It reflects the diversity and complexity of butterfly species.

Secondly, through these works, it is hoped that public awareness of butterfly protection has been

further improved and some endangered butterfly species have been developed.

These butterfly works are not only a visual enjoyment to know more about butterfly morphology. Future research could further incorporate more interdisciplinary approaches to explore the potential of butterfly works in Ar to promote a wider impact.

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