

Research on innovative application of color in animation scene and interior design

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Abstract: With the continuous improvement of modern people's quality of life, people's demand for aesthetic is also getting higher and higher. As a new form of artistic expression, animation has been widely used in many fields. Color is an indispensable element in animation scenes and interior design. Reasonable selection and smart application of color is an important prerequisite to ensure that animation scenes and interior design present a better visual aesthetic effect. Color is an important factor that cannot be ignored in interior design. It has a very strong appeal and expressiveness. The collocation and application of color directly affect the atmosphere and overall composition of the entire interior space. In the design of indoor space, the flexible use and matching of colors can make the space more vivid and full of vitality, and at the same time, it can adjust the light sense, temperature sense and space depth effect of indoor space, and optimize the space experience effect. This paper mainly starts from the analysis of the art of animation scene design, and introduces the basic concepts, thinking and expression, design elements and other aspects of animation scene design in detail.

1. Introduction

Color is the soul of interior design. Color has strong artistic expression and emotional rendering power. The design and collocation of color affects the spatial sense and comfort of the entire interior design, and different color blending moments affect the emotional experience of residents [1]. The expressiveness, appeal and collocation of colors directly affect the overall effect of indoor space and the user's experience effect. The application design of color elements needs to be combined with the psychological perception of the experienter. Different experiencers have different interpretations and perceptions of color, so the rational use of color plays an important role in interior space design. In the process of color matching of indoor space, various factors have certain effects on color [2]. There are mainly inherent factors of the interior itself. For example, each space has its own use purpose, such as restaurants, barbershops, etc. These places should consider the public's aesthetic outlook, the formation of atmosphere, and the requirements for color matching are similar [3]. From the perspective of the relationship between animation scenes and interior design, the development of interior design requires designers to plan and design the interior space, while animation scene design is to plan and design the animation environment. Both work requires designers to have a high comprehensive quality of artistic design, and also requires designers to skillfully handle the relationship between people and the environment [4]. The domestic interior design often stays in the surface style design, and the interior design is a discipline. Most of them spend a lot of effort on the function and form, and sometimes there are omissions in the customer positioning and analysis. In a way, interior design is to create the space scene according to the role played by a person, the character characteristics of the role, occupation, living atmosphere, etc., which is similar to animation scene design. Therefore, this research is made. Interior design is an all-round and comprehensive profession, which needs to cover all aspects [5].

Start with animation, treat customers as roles, inject space into the plot, deeply differentiate and actively explore, and open more perspectives for interior design [6]. Residential indoor space pays attention to the coexistence of spirit and material. Because people have to work, study and rest in its space for a long time, it is required that residential indoor space should not only be better in the use of functions, but also be more prominent in the field of life taste and cultural connotation. However,

when a person comes to a bad living environment for the first time, the most intuitive and profound first impression of this space must be the visual impression brought by color. Compared with real scenes, animation scenes are more artistic [7]. Animation itself is the product of artistry, and it has more obvious characteristics than realistic expression techniques in expressing landscapes and other aspects. Animation scenes and interior design can not only learn from each other, but also be used in interior design, thus effectively improving the artistic expression and visual impact of interior design [8]. The object of this paper is the design and application of color in residential space. Through concrete examples, this paper analyzes the crux of color in interior design from various angles, and a large number of examples can make the article more convincing. Through the analysis and comparison of each example, it is concluded that color should maximize its role in indoor living space in different environments.

2. Artistic Analysis of Color in Animation Scene and Interior Design

2.1. Influence of color on animation scene and indoor environment

The influence of color's sense of temperature on animation scenes and indoor environment. Different colors bring different aesthetic experiences to the audience. For example, the red-orange color system can bring warmth to the audience, while the blue-green color system can bring refreshment to the audience. The warm and cold feelings brought by these colors are relative, and according to the differences in these feelings, the colors are divided into warm and cold tones [9]. Because color has a sense of temperature, therefore, in animation scenes and interior design work, designers can give different temperature experiences to the audience by using different colors, so as to adjust the audience's perception of animation scenes and interior temperature by relying on the audience's induction differences of different colors, and then bring a better aesthetic experience to the audience [10]. The landscape design of residential areas needs to establish an overall theme, so that the various scenes in the landscape design can be unified, can play a complementary role, and better achieve its visual performance. For example, if you take water as the theme, you can call it "Flower Loft". If you take terrain as the theme, you can call it "Maple Forest Oasis". For example, these landscape elements from nature can be used as the landscape theme. The following designs are designed around this theme. In addition to the theme, you can also add humanistic elements in this design, which can highlight the local characteristic culture. The final color matching effect is determined by the relationship between colors. The effect of a color in different background environments is also different.

People's instinctive visual senses, according to the instinctive visual requirements, will have many visual color phenomena in terms of color requirements, and the visual organs of people's bodies will instinctively reconcile the stimulation brought by color, so as to achieve visual balance. First of all, color is directly reflected in the brain through the eyes, which is the direct influence factor of people's perception of spatial tone. Different colors will give people different psychological perception and create different spatial atmosphere. Warm colors give people a warm and warm experience, and cool colors give people a calm and calm feeling, so we must distinguish between cold and warm in indoor space. The space effect of color is very strong. In a space of the same size, the clever collocation of colors will make the space effect different, produce different sense of space distance, or make the space bigger or smaller. The reflection rate of color also has a great influence on space. Light color has a high reflection rate, while dark color has a low reflection rate, which directly affects indoor light. Therefore, in the design process of indoor space, the warmth and coldness of color system, the light and shade of color and the matching application of color all need to be carefully studied and designed.

2.2. Scene and role analysis

The color composition of interior design includes main color, matching color and embellishment color. In the interior design, the main color accounts for about 60% of the color proportion, which is mainly used in the design color matching of large areas such as walls, ceilings, doors and windows.

The main color is the most intuitive and common visual impression. Any slight change in the tone of the main color design can produce a completely different design impression. The main colors of different colors make people have different subjective feelings. Warm colors make people feel relaxed, while cold colors make people feel serious and calm. Decorative color is the color added to improve the interior design effect after using the main color and color matching, accounting for about 5% of the overall color design area. Decorative colors play the role of finishing touch and icing on the cake in the overall color matching. The use of similar colors in indoor space will make the space more harmonious, and the space will be larger visually, producing a gradual and harmonious visual effect. When selecting colors with higher saturation, adjusting lightness is also a design method, which is more harmonious and layered. In the application of contrast colors, the space style is more lively, and the conflict colors can be smoothly transitioned to achieve better visual effects.

The animation plot develops according to the arrangement of the script and the director, and the scene design evolves with the development of the plot. The design of the scene is story-like, and the changes of the scene are carried out according to the progress of the story. Drama curtain is the concrete manifestation of plot development in a scene, and drama curtain is the background of role performance. The whole story is connected with the scene, plus the performance of the characters. The first thing to consider from the scene design is the characteristics of the times and regions. This requires that when reading the script, it is necessary to extract the characteristics of the times, regional characteristics and history and culture that the script wants to express, as the basis of scene design. Some scenes can combine modern times with history, modern times with science and technology, and some scenes are pure natural landscapes with little sense of the times, which requires fresh and natural style as always. In Hal's room, there are all kinds of beautiful decorations, and the gift also fully shows his love for beauty; In *The Little Mermaid*, in order to reflect the mermaid role of the protagonist Ai Lier, her bed is designed as a shell, and the activity space is almost in the mermaid palace at the bottom of the sea. As shown in Figure 1.



Figure 1 Castle scene in *The Little Mermaid*

It is not difficult to see that these scene designers design the scenes according to the characteristics of the characters, and these scenes just make more efforts to promote the character's image specialization, which is the perfect combination of the script and the final form of expression. The inside and outside of the role not only includes the characteristics of preparedness and cultural accomplishment, but also includes the changes of the role's mood and psychology.

3. Animation Scene Analysis in Interior Design

3.1. Application of Color in Animation Scene

In the animation works, the animation scene plays a role in building time and space, rendering

the atmosphere and portraying the characters. Therefore, the color selection in the animation scene design needs to fully consider the overall tone of the work, the needs for atmosphere creation, and the needs for character portrayal. In the field of modern interior design, animation scenes can be an important element in interior design to meet the aesthetic needs of specific audiences. When applying animation scenes to interior design, designers need to analyze the aesthetic needs of audiences and the overall interior design style, in addition to considering the original colors of animation scenes, To ensure that the color in the animation scene can complement the overall style of interior design. Some buildings have their own functions at first, but later, due to the changes in the owner's life or business content, their functions will also change qualitatively, such as clothing stores changing into catering spaces, villas, etc. For example, in the scene design, the director gives a space environment, and requires the designer to create a space in this space according to the requirements of the script, which is the same as the established space in the building. Furthermore, the color, material and lighting in the indoor space. The furnishings are very different from the exterior of the building. Different material characteristics, different atmosphere and different lighting emphases are all contents that need to be independently completed by interior design. Scene design is the recreation of animation background drawing first. The background drawing is a plane drawing, and the scene design should be based on the drawing, and the multi-directional switching of lens and angle should be carried out according to the director's requirements, and even the painting can be made into a Lanwei scene. If the architecture is compared to the frame of animation, the scene design, like interior design, is designed under the frame of animation. Scene design and interior design are both detailed designs under the big mouth category, which is the commonality between them. In the space experience, the more vivid the space plot is, the deeper people's memory of architecture and interior design is, the richer the space plot is, and the more accurate their perception of the space design is. Like this literary work, those are dull, forgotten after reading, rich and vivid in plot, and memorable.

The plot of space can make people feel the existence of space and the significance of space design. The existence of space plot comes from space experience. With the development of space plot, the feeling of space experience is gradually deepened. Space plot and space body bow are interdependent and promote each other. The plot of space does not exist independently, and it needs to be experienced before it can be felt. Without experience, there is no plot unfolding. In the continuous experience, with the direction of plot clues and the in-depth changes of plot, people are brought rich emotional feelings and pleasant feelings. Interior designers need to deeply understand the space plot and the relationship between the space plot and the space experience, so as to analyze and design the space more deeply. For example, the Harry Potter theme park in Universal Studios has created scenes exactly like those in the movies. Not only that, but these scenes also contain the stories in the movies, so that people can participate in them. It's like crossing the movie scenes for fans. This is the experience of spatial plot. As shown in Figure 2.



Figure 2 Harry Potter Theme Park

3.2. Application of Color in Animation Scene and Interior Design

The influence of color's sense of time on animation scenes and indoor environment. Different colors will affect people's perception of time, which makes different colors have different sense of time. For example, in the space with blue as the main color, people will feel that time passes relatively slowly, while in the space with red as the main color, people will feel that time passes relatively quickly. It can be seen that bright colors and rich colors bring people a sense of time that is obviously different. At the same time, the stimulus of color in space also affects the aesthetic experience that color brings to the audience, that is, the stimulus color can stimulate the interest of the audience, thus affecting the concept of time that the audience has.

The Three Eagles Sen Ghibli Art Museum (Lanying. Mori Fuwen. Art Museum), officially known as Chengying City Animation Art Museum, also known as Ghibli Museum, in which "Ghibli" is translated as "Zhibuli". The Art Museum is located in Tokyo, Japan, and its owner is Miyazaki Hayao, a world-renowned writer, cartoonist and animation director. Ghibli Art Museum was designed by Miyazaki himself. He drew the design of his Chinese Art Museum by painting, reviewing and shouting. He is not an architect, but the unique charm of Ghibli Art Museum is no less than the works of professional architects. When Miyazaki Hayao was young, he traveled to various European countries, and there were many European-style buildings in his animation scenes. In addition, the Japanese architecture itself was greatly influenced by European architectural culture, so the Ghibli Art Museum finally decided to adopt the European-style architecture style, which not only restored the atmosphere of Miyazaki's refutation animation scenes, but also made visitors get the same feeling even if they didn't have to go to Europe. This was the original intention of the design of Ghibli Art Museum. Miyazaki regards Kibbutz as an art gallery as a reproduction of his animation scenes. Many scenes are merged, and the building structure is like a maze, which entices them to explore in the building, making visitors feel like they are immersed in Miyazaki's scary animation scenes. As shown in Figure 3.



Figure 3 Senghibli Art Museum, Japan

Although the Ghibli Art Museum restores the scene atmosphere in animation films, it does not blindly make the animation scenes as they are. The entrance of the art museum is the Dragon Cat Pavilion and the entrance. After entering the museum, you first arrive at the first floor. The tour sequence is from bottom to top. There are many floors, many passages, stairs, many doors, and many hidden places and remote corners that can't be seen at a glance. This has increased the interest of the art gallery, just like exploring in Miyazaki's life painting. We don't know where to go next or what to meet.

That is to say, animation scene design, as an integral part of interior design, needs to be organically integrated into interior design, otherwise the animation scenes appearing in interior space will appear deliberate and abrupt, resulting in counterproductive aesthetic effects. Therefore, in terms of color selection, interior designers need to analyze the audience's role and aesthetic needs, and determine the overall color tone of interior design based on this. On this basis, interior designers can't copy the colors of animation scenes in animation works, but need to make appropriate adjustments to the colors of animation scenes to adapt to the overall style of interior design, so as to guarantee the improvement of visual expression of animation scenes in indoor space and bring better aesthetic experience to the audience.

The application effect diagram of animation scene in architectural landscape design. In the landscape design, through the simulation of animation scenes, we can present a more realistic architectural design effect. In the streets full of people, we can design a more urban architectural landscape, which can improve the functionality and practicality of the building. With the help of animation scene design, more attractive urban scenes can be conveyed to people. Animation design can be used to enrich the content of scenes, such as adding some vegetation and trees, to provide innovative design ideas for architectural landscape design. The application of animation scenes in architectural landscape design should pay attention to the integrity of architectural landscape design, highlight the characteristics of architectural landscape, give people visual impact, and make people feel as if the whole body and mind are in the landscape. The application of animation scenes can turn this intention into reality, meet people's aesthetic needs, and further improve the quality of landscape design. Designers can take Xanadu as the theme of design, widely understand people's beautiful imagination of the concept of Xanadu, as the basis and cushion of design. Reasonably use the unique performance impact of animation scenes to further concretize people's intentions, combine animation elements in film and television works with real materials, give full play to creativity, and break the drawbacks of monotonous setting of traditional residential theme scenes. The corresponding animation elements shall be applied as much as possible to enhance the cultural atmosphere of the residential area, and breakthroughs and unity shall be achieved in many aspects such as color, elements and form.

4. Conclusions

Scene design and interior design are both an inter-connected discipline and an inter-connected art. The animation scene should be integrated into the space design, and the theme design should be a bow array, but the whole space design should be "directed" by integrating the eye festival and the perspective of the role designer. Based on the influence of color on animation scenes and indoor environment, in the process of applying animation scenes to interior design, it is necessary for designers to analyze the aesthetic needs of the audience and the overall interior design style, so as to ensure that the colors in animation scenes can complement the overall interior design style. In the process of color matching, we need to consider many other factors, such as materials. Reasonable use of color can optimize the indoor environment and bring exquisite emotional and physiological experience to the residents. Innovative changes have followed in modern society, with fierce competition from all walks of life. It is imperative for the interior design industry to adapt to the times and actively innovate. The innovative application of color in interior design is a typical case of the reform of interior design industry. Studying the innovative application of color is of great significance to the development of interior design. Only by constantly contacting and learning, collecting the latest color knowledge and learning the latest decoration skills can we better interpret color design.

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