# On the Application of Color in Children's Space

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**Abstract:** Because people's living standard is increasing, the demand for indoor living environment is getting more and more attention. Color is an important proportion in the design. Color can not only set off the environment atmosphere, but also have a great impact on human psychology and physiology.

Keywords: Children, Space, Color

#### 1. Introduction

## 1.1 Purpose of the study

In the vulnerable groups, in addition to the elderly, disabled people, children are also a special group, their physical characteristics, psychological characteristics and activity characteristics are different from the characteristics of adults, therefore, in the process of children's growth, the surrounding environment is particularly important. Different color also can bring different influence to the individual character of children. With the continuous improvement of the economic level, the state and parents pay more and more attention to children, and the creation of children's life, entertainment and education environment has become an indispensable part of children's growth.

#### 1.2 Main contents of the study

The content of the study mainly starts with the color of children's space, to understand the impact of children's psychology, physiology and individual differences on children. Through the study of children's psychology and physiology, the use of color in children's space, including the placement of furniture, space display and the use of space color on the ground, ceiling and wall. The layout of outdoor entertainment Spaces, halls, corridors and natural environments.

# 1.3 Significance of the study

With the increasing level of environmental space, color has become an important part of environmental space. Color will increase the vitality of environmental space. On the contrary, if the color is lost, it will reduce the vitality of environmental space. Childhood is an indispensable part of everyone, good environment and space can create a different atmosphere, so this paper studies the use of children's space color, analyzes children's psychological and physiological characteristics, and finds children's favorite color style.

#### 2. The influence of color on children

# 2.1 Individual difference of color to children

Different ages and genders like different colors. With the growth of age, boys and girls like different colors. According to the data, the age of 0-3 is infancy, and the colors of infancy are red, yellow and green. Children like orange, white and red when they are 3-6 years old. 6-12 years old is the school age, boys in this period most like two colors, mainly blue and yellow, girls in this period most like warm colors. Therefore, in each stage, each age has a different preference for color.

# 2.2 The psychological effect of color on children

Children through use eyes to see the world, also perceive the world through the body at the same time, guide the effects of color on children's psychological, is the most important link in the children's

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space design, the main hue, purity, brightness and color, different color can bring different psychological effects on children's psychological, but also have different guiding effect. Red produces psychological reactions of joy and anger. Children who stay in the red environment for a long time will become irritable and lose control of their emotions. Orange, lively and mild, children will become happy and glad in the orange environment for a long time. Yellow, health and hope, will become cheerful and bright in the yellow environment. Green means quiet, safe, peaceful and young. Cyan represents heavy, calm and lonely. Purple symbolizes restlessness, mystery and seriousness. White stands for purity, simplicity and freshness. Gray represents ordinary and heavy. Black represents darkness and uneasiness. Psychologically, color can not only directly affect the emotions of children, but also guide children's psychological activities, long-term in a color will make children's psychology become distorted, the lack of colorful childhood. Famous child psychologist, research shows that color has a different meaning for every child, like yellow children, more dependent, hope their life is a child. Kids who like blue are more selfish and want to be the boss. Children who like red are warm and outgoing. Love pink children, full of love, elegant, gentle,Like purple children, more easygoing, will not play tricks. Like orange children, personality is more lively and outgoing, but some self.

# 2.3 Physiological effects of color on children

Not only to children's visual comfort, but also to children's color matching will have a more dazzling effect. Putting children in a disordered color design space for a long time will make them irritable and affect their physical and mental health. However, too monotonous environment will also make children hate emotions, will also let children lose their original vitality. To sum up, in the design of children's space, we should carefully choose colors, consider whether colors will have a physiological impact on the healthy development of children, and choose colors suitable for children, so as to create a warm and comfortable space environment for children.

# 3. The application of children's space color

## 3.1 Color application in children's space

The color application of children's space includes furniture color design, furnishing color design and space design. Space design includes the design of wall, floor and ceiling, and the selection of materials to make the color uniform. It's best to use up to three colors inside the space.

# 3.1.1 Furniture color design

There are huge differences between adults and children, so the color of furniture is important but also considering the characteristics of children, with bright color and bright colors to choose, don't use dark heavy, dark color, want to consider the factors of children's physical, psychological, the color is light, bright, good colour is applied on the furniture. The furniture that has intense colour contrast can change children cowardly disposition, colour gentle colour can let disposition irascible child quiet. The furniture of children space is to be beautiful not only, more main is to suit children's psychology, physiology undertakes collocation and apply.

#### 3.1.2 Display color setting

Display in the children's space, is a delicate ornament of role in color, the display of color can be different through different space design changes, the display of children's space is beneficial to the physical and mental development of children's health, using cartoon characters in the lamps and lanterns, in the choice of the color red, yellow, blue three primary colors, give the child a relaxed, happy, free environment, convenient child extension imagination, give children creativity. Green plant furnishings are indispensable in the room. No matter the display is in adornment, color, style has the effect that expect to be less than in the space.

# 3.1.3 Space color design

In the design of children's space, different colors will attract the attention of different children, and children with different personalities will choose different colors. In the learning space, children need to be quiet and protect their eyesight. Too bright colors and too dark colors will affect learning. In mobile space, play is the child's nature, in mobile space, unfavorable use too quiet color, want to show lively atmosphere and atmosphere, can choose pure tonal commonly. In the living space, children need to have an adequate sleep and let children quiet down color, will choose blue, blue will make people quiet

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and let the brain calm down.

# (1) Smallpox

The child is lively and innocent symbol, the smallpox of children space can choose a few modelling top, plane type, suspension type, well format, can choose the color with gorgeous color or it is the color of starry sky to serve as an ornament. Cold and warm complement each other, to complement the main color of the house, to meet the needs of children's optic nerve development, so that children have a sky of their own.

#### (2) Walls

The color tone of the wall should be determined according to children's preferences. The wall is the background color of the overall space, so it is not suitable to jump too much. It should be beautiful and generous, so as to avoid too many colors and visual fatigue, which is not conducive to children's vision. The main color of children's space is warm, which makes it young and energetic. Red, orange do not appear in a large number of children's space, these two colors will make children more excited and excited. Walls do not have to use white or beige color, through the modeling of the wall to increase the fun of children's space.

#### (3) Ground

The overall effect of pavement color in children's space is subtle, but the area of pavement in the overall children's space is very large. After children leave the ground, in addition to the embrace of their mother, the ground is the most contacted by children, no matter crawling, walking, running, jumping, they can't leave the ground. The ground is the most free space for children. In children's living space, the ground must have a warm touch, such as the color of the floor. If the color is too dark, the floor will be too heavy and the room will be narrow. If the color is too dark, the dust will be particularly obvious, and if the color is too light, the stains can be seen at a glance. The ground pavement should not be too gorgeous and eye-catching, nor should it be mixed with complementary colors. Different children's space with different colors of the ground pavement, is to add a better effect to the space.

## 3.2 External color application

The exterior design of buildings, such as playground and entertainment space, are also places for activities. However, the use of color outside buildings is different from that inside buildings. The exterior of buildings is closer to nature, and the color of nature is irreplaceable for furniture, paint and latex paint, which is the most appropriate. The best thing is to go to nature and liberate children's heaven Sex. The younger children are, the more they like nature. For example, trees, grasslands, the sea, rivers and so on. The facade of the building uses a very strong color, to deepen children's impression of architecture. Strong colors can make children feel a cool feeling brought by colors in intense heat.

#### 4. Summary

With the continuous improvement of living standards, the continuous progress of social development, the progress of people's ideas, people pay more attention to the design of children's space and the physical and mental development of children, and the use of children's space color is paid more attention. People hope that through the study of color, adjust children's personality, psychological and physiological changes, make the use of color, help children's physical and mental development and health. Perfect children's space design can improve children's understanding of color and arouse children's personality. With the concept of pursuing perfection, environmental designers strive to design suitable for children's physical and mental development and reasonable use of children's space color.

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