

Research on the Application of Pop Art in Residential Space Design

Yu Jiang¹

Shenyang Normal University
No. 253 Huanghe North Street, Shenyang 110034, China
jiangyu@synu.edu.cn
Corresponding author: Yu Jiang

Abstract. Popular art, referred to as "pop art", also known as new realism. Pop art is a kind of culture that is popular at present, and it is also a kind of form that spreads faster and has greater influence in the post-modern art of the 20th century. Compared with other popular arts, the popularity trend is gradually rising, and the affected areas are relatively wide. This paper analyzes the design of pop living space from the perspective of the general public. By studying the famous classic cases of pop art, it analyzes the re-design methods of pop stylized living space, starts with new design points, integrates the designer's ideas and creativity, and provides a satisfactory and reasonable design scheme for specific consumer groups.

Keywords: Pop art, Interior design, Style, Fun.

1. The Concept of Green Residential Space Design

With the development and progress of society, people's demand for living space has also risen from the simple material satisfaction to the level of emotional needs. Many excellent living space designs are constructed and analyzed according to people's behavior patterns and psychological characteristics [1,2]. The emergence of pop art is no different from breaking the barrier between life and art in the past hundred years, making various arts and cultures mutually integrated and different. The close combination of pop art and pop design in the design of living space, and the coordination and unification of pop art and living space design will give people a feeling of comfort and renewal, and meet people's psychological and visual needs [3,4].

Popular art, referred to as "pop art", also known as new realism. Pop art is a kind of culture that is popular at present, and it is also a kind of form that spreads faster and has greater influence in the post-modern art of the 20th century. Compared with other popular arts, the popularity trend is gradually rising, and the affected areas are relatively wide. Pop art is an art trend as well as a cultural upsurge. It integrates objects existing in real life and uses them as the carrier or object of design [5,6], giving new ideas and new values in the design process, and at the same time letting the public feel the design and consciously transform it into enjoyment. It is also an increasingly popular art form.

1.1. The Origins of Pop Art

Pop is a simplified colloquial word. From the early research, pop art first appeared in the United Kingdom, was proposed by some architects, artists and critics, they like urban mass culture, the beginning of the mass consumer goods to design, express their views. In urban culture, wherever and whenever, it is not difficult to find these products transformed from easy pleasure and desire. By 1957, the British painter Richard Handelton, through his own experience and views, gave a general definition of "pop", that is, both popular and popular, both fleeting and impressive, both witty and interesting and mass existence. To put it simply, pop art is that designers move the most common objects existing in real life into art, so Pop art with the basic characteristics of mass commercial culture came into being [7,8].

1.2. Characteristics of Pop Art

If you have to give the general characteristics of pop art, there are many including the following aspects, popular, easy to forget, cheap, young, flashy, sexy, witty, charming, big business. In fact, popular means that the object of pop art is the public, is a kind of art designed for the public; It's an art that can produce a lot for a short time. The creation of pop art is characterized by direct use of commercial social and cultural symbols that already exist in real life as the creation carrier to redesign, so as to further sublimate the theme of art. The emergence of pop art broke the boundary and taboo between elegant design and vulgar design, made a qualitative change in the development trend of art, and showed people a refreshing art form.

1.3. The value of Pop Art

The value of pop art reflected in modern society is to enrich social life, improve people's spiritual realm and meet people's spiritual pursuit through humorous and interesting art forms with popular elements. Simply from the designer's point of view, the design style of pop art has never been a single style, nor is it a style without consciousness, generally speaking, it contains a combination of design [9,10], planner thought, humorous and interesting styles. What makes Pop art special is its strong and lasting influence on fashion. His influence spread to all art fields at that time. Not only for the field of interior design, but also many designers in the field of fashion design and graphic design are directly or indirectly inspired by pop style art to create.

2. The Application Method and Way of Pop Art in Residential Space Design

2.1. The Application of Pop Art in Residential Space Design

"Pop" has become a cultural phenomenon, a commercial phenomenon, can also be said to be an economic phenomenon. Pop art required by the public in the new era is their favorite, trendy and fashionable personality, so pop art should have innovative thinking in the application of residential space design. In the use of modeling, it emphasizes breaking through the original frame structure, and in the use of color, it pays more attention to the bold and bright collocation. Only in this way can it meet the taste of the public in the new era Form a new design style, that is, "pop" art style. Pop art style is a good choice for consumers in the market environment, which is in line with the trend of social development. Therefore, the use of pop art style in the design of living space can well introduce the elements of The Times and use colorful "original tones" to reflect a personalized style. This personalized style can be interpreted as abstract and unconventional, exaggerated and fashionable, and unique and acceptable. With the continuous development of the society, people's ability to accept new things is constantly improving, and designers' ideas are constantly changing. Therefore, more and more buildings with strange shapes appear, and pop art has a deeper penetration in the design of residential space, which fully shows that the interior design of pop art is getting closer to life and more and more catering to the public.

2.2. The Application of Pop Art in Space Design

The application of pop art is not confined to external formal objects, but to integrate all the available elements in daily life. Therefore, it can be said that when many seemingly strange patterns are really used in the living space, they will give people a bright feeling and make people feel surprised. Pop furniture, in particular, is the product that best reflects the combination of art and practicality. Because the "pop" style is very bright, colorful, and the design is simple and generous, it breaks the shackles of traditional modernist design style and internationalist design style. For example, in pop art, waste that is not needed in daily life can be used. This application method not only affects various art fields, but also includes the design of residential space. The furniture design in the design of living space is also influenced by pop art design, resulting in this unique "pop style". Furniture designers start from the importance of daily life, and gradually tend to the popular and easy to understand the public aesthetic concept, so a large number of colorful, unique shape, cost-effective furniture and furnishings have appeared in the public's sight, and the major art market. Therefore, the design of "living space" should do more to meet the psychological needs of the public [11-13].

3. The Application of Pop Art in Residential Space Design

"Pop art" is a handy and powerful expression language for interior designers. The influence of pop art on the design of living space is mainly reflected in the use of pop techniques to deal with the interface (ceiling, floor paving, wall) and objects (furniture, ornaments, stairs, sculpture, etc.) of living space, so that the whole space is filled with pop style. The application of pop art in the living space is generally reflected through four expressive methods: ready-made pop art, original color of pop art, collage integration of pop art and mechanical reproduction of pop art.

3.1. Ready-made Pop Art

One of the main manifestations of pop art in residential space design is the use of "ready-made" pop art. Ready-made Pop art refers to objects that already exist in real life. Pop artists pay attention to the pursuit of natural, comfortable, pleasant and real living environment, and give new meaning to the processing and production of common objects in daily life, so that people can experience new values, thus making the pop style in our living

space more natural and harmonious. There are two ways to use "ready-made products" in residential space design: single design with simple decoration and multi-layer design with coexistence of decoration and function. For example, some designers use old tables to innovate their own ideas, and combine the exaggerated and bold color splicing in pop art to transform them into a pedestal, which is endowed with new value and makes people feel the new style. This is a simple and direct way to use Pop art readymade products [14,15].

3.2. The Original Color of Pop Art

"Original tone" is another expression technique of pop art, which is no longer just the use of a single color, but the use of bright, bright colors, rarely using black, white, gray monotonous tones, such as the use of red, yellow and other eye-catching colors. At the same time, the scene in life and the color composition in the design color are combined to create a unique and alternative living space design work. In interior design, not only in the design of living space, the original tone technique is often used. In the living space, the use of "original color" can create a lot of creative environment, can better attract people's attention, especially for children, so that children like more, in line with the psychological characteristics of children.

3.3. Mechanical Reproduction of Pop Art

Andy Warhol, one of the world's leading artists of pop art, called mechanical reproduction a direct expression of "consumer culture." He believes that pop art is not to change life, but to create on the basis of life, not only from life but also higher than life, not simply change, but quietly enjoy. In essence, the mechanical reproduction of pop art achieves the purpose of innovation and application through mechanical reproduction, or it uses large-scale mechanical reproduction to illustrate a certain purpose. For example, the current society is a society of industrial development, and many things in life are the shadows left by The Times. The method of mechanical reproduction is to arouse people's interest in life and arouse their thinking And pay attention to, and then achieve the consistency and resonance of ideas. Because of this, although mechanical reproduction has become an indispensable existence in people's lives, and has become a means of expression for designers, it does not affect the innovation and development of art design [16].

3.4. Collage Integration of Pop Art

In the design process, artists use common and usable objects or things in life as raw materials for creation. This creative technique can be regarded as the collage integration of pop art. The collage integration of pop art design is manifested in many aspects of life. It is a process of using any items that people are familiar with and can use in life as raw materials, processing the items on the basis of raw materials, and making people re-understand them. The article mentioned here refers to whatever kind of item, including all aspects, by changing the original attribute of the item to create new attributes, so as to achieve the purpose of attracting people's new attention. For example, in the design of living space, the use of simple geometric graphics for collage integration will also be better than a single graphic effect, and will make residents have a kind of enjoyment mood; The use of a variety of colors of collage, will also be in line with the character of young people, more show a different character and avant-garde ideas. The application of pop art design collage integration in living space is not only to satisfy people's aesthetic ideas, but also to integrate the value of commodities into life, so that people can achieve satisfaction with life.

Pop art design has a certain influence on the design of residential space, which is mainly manifested in that the style of pop art presents a new value on the basis of the original materials and the original value attributes, breaking through the convention and tradition, and making the aesthetic become both popular and diversified. The application of pop art design in the design of living space is not only the processing and creation of different living Spaces, nor is it only for creating commercial value. It is more for making the art style conform to people's life, and more for making people feel the changes of The Times, appreciate the charm of environmental art, and adjust their new attitude to face life, accept life and enjoy life In life.

4. Conclusions

The application of popular, concrete and commercial aesthetic elements in pop style residential space design adapted to the needs of The Times at that time, and had a great impact on people's living space and lifestyle today. Interior designers extract elements from the mass media and introduce popular commercial and cultural images such as stars and advertisements into the space as themes, breaking the narrow concept of "design for design" and expanding the space of art design itself, thus making the interior space full of human interest, closer to life and catering to the public. Pop style interior design hopes that designers can restore their attention to real life and the psychological needs of consumers, and connect with the public as much as possible. This awareness laid the foundation for the development of interior design after the 1960s, and opened up a wider road for it.

5. Conflict of Interest

The authors declare that there are no conflict of interests, we do not have any possible conflicts of interest.

Acknowledgments. None.

References

1. D'alessandro D, Gola M, Appolloni L, et al. COVID-19 and living space challenge. Well-being and public health recommendations for a healthy, safe, and sustainable housing[J]. *Acta Bio Medica: Atenei Parmensis*, 2020, 91(9-S): 61.
2. Fallanca C. Places in the city designed for pro well-being living space[J]. *UPLanD-Journal of Urban Planning, Landscape & environmental Design*, 2020, 5(2): 149-172.
3. Wu X. How is Affordable Housing Achieved Through Shared Living Lifestyle[C]//2022 4th International Conference on Literature, Art and Human Development (ICLAHD 2022). Atlantis Press, 2023: 1060-1070.
4. Robinson D E. Fashion theory and product design[M]//*Fashion Marketing*. Routledge, 2024: 433-450.
5. Sun Y, Yin S, Teng L. Research on multi-robot intelligent fusion technology based on multi-mode deep learning[J]. *International Journal of Electronics and Information Engineering*, 2020, 12(3): 119-127.
6. Jisi A, Yin S. A new feature fusion network for student behavior recognition in education[J]. *Journal of Applied Science and Engineering*, 2021, 24(2): 133-140.
7. Boichel B. Batman: Commodity as myth[M]//*The Many Lives of the Batman*. Routledge, 2023: 4-17.
8. Jiang H H, Brown L, Cheng J, et al. AI Art and its Impact on Artists[C]//*Proceedings of the 2023 AAAI/ACM Conference on AI, Ethics, and Society*. 2023: 363-374.
9. Brackett D. *Interpreting Popular Music: With a new preface by the author*[M]. Univ of California Press, 2023.
10. Hainge G. To (rt) uring the minotaur: Radiohead, pop, unnatural couplings, and mainstream subversion[M]//*The Music and Art of Radiohead*. Routledge, 2023: 62-84.
11. Zhang Y. The Application of Earth Art in the Landscape Design of Public Space[J]. *Highlights in Art and Design*, 2023, 2(1): 49-53.
12. Zhang B, Romainoor N H. Research on artificial intelligence in new year prints: the application of the generated pop art style images on cultural and creative products[J]. *Applied Sciences*, 2023, 13(2): 1082.
13. Shanaube K, Schaap A, Mureithi L, et al. The impact of a combined TB/HIV intervention on the incidence of TB infection among adolescents and young adults in the HPTN 071 (PopART) trial communities in Zambia and South Africa[J]. *PLOS Global Public Health*, 2023, 3(7): e0001473.
14. Liu D, Shan L, Wang L, et al. P3OI-MELSH: Privacy protection target point of interest recommendation algorithm based on multi-exploring locality sensitive hashing[J]. *Frontiers in Neurorobotics*, 2021, 15: 660304.
15. Yin S. Object Detection Based on Deep Learning: A Brief Review[J]. *IJLAI Transactions on Science and Engineering*, 2023, 1(02): 1-6.
16. Fan L, Tu Z, Chan S H. Recent development in design a state-of-art proton exchange membrane fuel cell from stack to system: theory, integration and prospective[J]. *International Journal of Hydrogen Energy*, 2023, 48(21): 7828-7865.

Biography

Yu Jiang is with the Shenyang Normal University. Research direction is art computer application and AI.