

# On the importance of basic art skills in computer art design

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**ABSTRACT.** *With the continuous development of modern society and the advancement of information age, computer art design has been widely used in the design industry. However, from the current situation, many designers focus on the skilled operation of computer software, and lack of attention to the artistic form and artistic foundation of the design work itself. Therefore, from the perspective of computer art design, this paper starts from the error recognition of computer art design, the importance of the basic art skills in computer art design and how to improve the basic art skills analysis.*

**KEY WORDS:** *Computer art design; art; basic skills; quality*

## 1. Introduction

In the information age, computer art design has been widely used, and more and more people have begun to improve their attention and learning of this major, but some of them think that mastering the operation of computer design software is the key, and ignore the importance of basic art skills to computer art design. In fact, in the whole design industry, the quality of the basic art skills will directly affect the quality of the design work. It can be said that the basic art skills are the important foundation to improve the ability of computer art design. Therefore, the analysis of the importance of basic art skills in computer art design is of great significance.

## 2. Computer art design

Computer art design can be understood as making electronic version of art design by computer, using relevant computer software to assist design. Compared with the traditional paper version, the art design designed on the basis of computer will be more flexible in the design process. Under the role of computer, the color, line, composition and other parts of the work can be adjusted at any time according to the actual needs, which can provide more playing space for the work. At the same time, with the help of the 3D virtual presentation of computer, the art work can be visually brought to the audience To impact, effectively enhance the audience's in-depth experience of art works. However, any design of art works requires

designers to have certain basic art skills. Solid basic art skills can provide necessary guarantee for art design works [1].

### **3. An analysis of the errors in computer art design**

With the continuous popularization of the Internet, a large amount of information flows into people's vision, in which different forms of advertisements are reflected in various media platforms, in which there will certainly be low-quality influence on people's value orientation. Therefore, in modern society, people's demand for art appreciation value is also increased, and designers need to use art beauty to improve people's spiritual pleasure, And make people accept different information better. However, due to the different levels of relevant designers, different value orientations, and the poor art foundation of designers, it is only easier to use computers for design, so it has become a trend of design industry to learn Photoshop and CorelDRAW [2].

It is not difficult to find out the reason. In recent years, all colleges and universities in China are keen on setting up art majors. Although the enrollment has increased dramatically, these students' own conditions do not meet the needs of art majors. For example, some students are forced to apply for the entrance examination of art departments for other reasons, so the students who do not have the basis of art are just "sharpening their guns in time" to use the pre examination holiday to shock train the examination content. It can be said that the enrollment expansion quality of art major is not high, and the comprehensive quality of corresponding students is also obvious. In today's social and economic development, the change of people's ideas promotes the further development of the society, but also brings challenges to the design industry. If the art major only enables students to master the operation of computer design software in the actual teaching process, but the lack of training of students' design ability, it seriously affects the students' creative awareness in the design of art works. Therefore, it is particularly important to improve students' basic art skills. At present, the system of art major shows "emphasis on application, light on foundation", which seriously leads to students' one-sided understanding of design work and hinders students' ability of art design in the future.

### **4. The importance of basic art skills in computer art design**

In the computer art design, the basic art skills have a very important position. Especially in terms of the elements of art, the basic skills of art show great value. If we evaluate art design works, we need to judge from the aspects of picture layout and color application, and these elements need solid basic art skills to complete, so as to effectively ensure that art design works are more perfect [3].

#### **4.1 Color**

For works of art, color is a crucial element. Color matching can create different

works of art. In computer art design, with the help of basic knowledge of color, it can help the computer art design process to use color reasonably and control the work picture reasonably on the whole. If the use of color is unreasonable, it will seriously affect the overall effect of the work. Therefore, in the work of computer art design, designers should first fully realize the importance of color knowledge, and effectively apply it to the design work. In the continuous practice, it is found that in the computer art design, the application of color is not a simple color matching, but a reasonable use of color according to different works of art. For example, for sketching color, it needs to pay attention to the allocation among solid color, light color and environment color, and realize the display of natural color of things through reasonable allocation. It can be seen that in order to further enhance the design sense of art works, mastering the basic color knowledge is the foundation. Only with this basic art skill, can we better use computer software to deploy colors [4].

#### ***4.2 Composition***

In the process of designing works of art, composition is one of the indispensable elements. The so-called composition mainly designs the proportion of each part of the works in the overall picture according to the ideas to be expressed in the works, so as to construct a harmonious and complete picture. In the process of using computer software for art design, the basic skill of composition will directly affect the final expression of various elements in the overall design work. The designer can promote the overall appearance and expression of the design works through reasonable composition, which requires the designer to have high basic skills of composition, layout the overall works, and use lines to present a good visual perception [5].

In general, it is mainly through the geometric figure to complete the layout of the picture, forming a relatively simple feature, and there are great differences in the ideas to be expressed in different forms of composition. For example, the use of circle for composition will give people a sense of inclusiveness and harmony; the use of square for composition will give people a sense of binding rules. In addition, the contrast and balance should be considered in composition. From point, line and surface to the whole, symmetry and asymmetry should be laid out in the whole. Therefore, for the computer art design, the basic skills of composition are very important. With certain composition skills, you can apply the corresponding composition knowledge to the work design and improve the overall effect of the work.

#### ***4.3 Sketch***

In the design of art works, having the basic skills of sketch can better help designers improve the expressiveness of computer art design. Sketch mainly shows the things to be expressed through the changes of perspective, light and shade, and structure. Designers with sketch skills usually have strong observation ability, can

grasp accurately from the whole, and can better grasp the expressive power of works. Therefore, in the computer art design, mastering solid sketch technology can better help designers to perceive the work as a whole before the start of the work design, accurately grasp the structure, light and shade, color and other aspects of the work as a whole, and help to improve the performance of the work. Moreover, sketch training can effectively improve the spatial imagination of designers and play an important role in the actual computer art design [6].

### **5. Suggestions for computer art designers to improve their basic art skills**

Whether it is traditional paper art or computer art design, for designers, the final product is the main goal, so no matter what kind of art means, it is only a process, and the final work is the key. The most important thing to achieve this goal is the basic quality of designers, that is, the basic skills of art, which can be understood as painting ability. But at present, most people think that the design work does not need to have the basic skills of painting [7], which is wrong in itself. We should know that solid painting ability is developed through continuous observation, practice and operation. In this process, it is not only to exercise people's painting ability, but also to cultivate people's aesthetic ability, so that people can know what is beauty, what is natural beauty, and what is natural beauty. What kind of beauty does Canada prefer. In the computer design, we can use various tools and expression methods to see the details of the finished product clearly by using 3D effect, which means that the quality of the designer of the art works has put forward higher requirements, which requires the designer to carry out unified deployment from modeling, color, composition and other aspects.

In the actual design process, designers need to have good ability of collection and expression in daily life, be able to draw by hand and complete the sketch of works. As James Victor, art director of Carol publishing group, said, if you want to be a good designer, you can leave the computer, use various art pens and sketchbooks, and draw at any place and time. Continue to draw and accumulate, and train basic skills. This is enough to illustrate the importance of basic art skills. Jin Haoqiang, a graphic designer in Hong Kong, enjoys a great reputation in the field of design. He has won more than 300 awards in the world. His works have made great achievements both at home and abroad. With the help of computer-aided graphic design, Jin Haoqiang highlights the strong oriental color of China and embodies great cultural connotation. In his work "character and pen x character and ink", although computer is used, there is no computer mark, but it reflects the elegance and personality of freehand brushwork and calligraphy, which are the basic art skills and the results of mastering computer skillfully [8].

In the information age, computers have replaced the paper and pen in the past and realized more complex operations and drawings, but this has also had a serious impact on the innovative thinking of designers, Excellent designers will not only rely on digital technology, but on the basis of technical proficiency, through solid

basic art skills and cultural heritage, to enrich the design concept, constantly innovate design thinking, and then design computer art design works that meet the needs of the public. With the development of all walks of life, computer has become an effective tool. From product design to the final product, all links are inseparable from the help of computer. Just as painters need pens and farmers need hoes, they are indispensable tools in design work.

## 6. Conclusion

To sum up, with the continuous development of information technology, computer art design not only requires designers to have the ability to apply computer design software skillfully, but also pays attention to mastering the basic art skills. In the overall work, the basic art skills should be applied to the actual design link, no matter in the use of color, composition layout or sketch sketch, it is necessary to The basic art skills play their due role in helping designers design more excellent aesthetic art design works, so as to further promote the long-term development of China's computer art design industry.

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