# **Design Points of Garden Flowers and Selection of Plant Materials**

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**Abstract:** Flower environment is not a modern concept, similar to the word "flower path", which emphasizes the integration of flowers and plants with the external environment such as roads. Since ancient times, there has been a "flower path" poem that can reflect "the mountain flower is a quiet path, the ancient moss is mossy." Such a verse reflects the artistic conception of the flower path. It can be seen that this concept has had a great impact on the lives of the people since ancient times. However, the concept of "flowers" in the current social environment is due to the fact that the overall structure and environment of the society are different from the past and more complicated, so it is necessary to think about the design of the flower environment and the selection of the plants to ensure the most accurate representation of the flower concept.

#### 1. Introduction

The flower environment is mainly used to reflect the integration of the external environment and flowers and plants, and thus extends to the harmonious coexistence between nature and human society. This is in line with the concept of sustainable development proposed by today's society. Therefore, In the process of building the garden, the flower environment occupies a very important position. Proper planning of the flower environment can fully reflect the beauty of the garden. In order to maximize the effectiveness of the flower environment, it is very important to choose the plant material to be applied. Therefore, designers need to focus on the choice of plant materials. Only then can we Ensure that the design work achieves the desired results.

### 2. Garden flower design points

Color theme. The color theme flower environment can usually be divided into the following forms: monochromatic flower environment, two-color flower environment, mixed flower environment, gradient flower environment. It can be seen that the plant combination applied in the theme flower field usually has a longer flowering period. , colorful and so on. In addition, the area where the theme flower scene appears frequently is the main landscape area of the garden.

Low carbon theme. With the improvement of people's ideological level, ecological gardens, conservation-oriented gardens and other garden concepts closely related to sustainable development are deeply rooted in people's minds. The visual expression in the process of plant landscape design is the increase in the number of water-cutting and drought-resistant flowers. Bamboo houses used in the environment are usually dominated by shrubs, ornamental grasses or perennial flowers. The representative garden flower garden is Tianjin's low-carbon creative garden. The garden enhances the persistence of the flower environment by mixing the evergreen tree species, perennial flowers and deciduous shrubs, and has the greatest ecological benefits. The foundation is laid.

The flower façade design is usually used to fully present the landscape effect. Therefore, in the process of façade design of the flower environment, the designer needs to have the difference according to the contour and height of different plants. Match, to achieve the ability to apply the landscape effect. The planting methods commonly used in flowering are as follows: First, planting low-lying plants in front and planting higher plants in the rear; second, planting low-lying plants on both sides and planting higher plants in the middle. When applying the latter planting method, the designer can intersperse the vertical line plants into the close-up according to the actual situation, in order to break the neat arrangement of the slightly dull and increase the natural wildness of the

flower environment. Of course, the effect of using different contour plants such as tower plants and square plants to create a façade will inevitably be different. Designers can construct the contours of the outer edge of the flower by matching the different contours of the plants. Increase the undulations of the lines and enrich the landscape effect.

Designers need to use the flower body volume as the main reference for color design of the flower environment. For the small flower environment, the combination of cold and warm colors and contrast colors is higher. The definition of "contrast color" needs to be explained first: Contrast color, which refers to the color in the relative position on the color wheel, such as purple and yellow, the contrast color is usually used to increase the saturation of the color itself. In addition, the proportion of contrast color distribution is also what the designer needs to master. Generally speaking, the contrast color distribution ratio that can achieve better landscape effect is 3 /2 volume main color: 1 / 3 volume contrast color is guaranteed. For the banded flower environment, the color matching method with higher degree of fit is the color gradation. This is mainly because the length of the banded flower environment is long. If the regularity of the color matching of the plants cannot be guaranteed, the overall flower environment will be caused. Disorganized. Therefore, when designing the color of the ribbon flower, the designer can change the color of the flower according to the color arrangement on the color wheel, for example: red-orange-yellow-blue-purple.

#### 3. Plant selection points

The environment is the first element of plant growth, so if you want to choose garden plants, you must first survey the environment. The environment mentioned here is not just a climate, but a combination of factors such as climate and soil. The builder needs to change the local climate change, air temperature, humidity, composition and soil temperature, humidity and nutrients before starting construction. The basic elements such as content and pH are surveyed, and whether there are sudden natural phenomena in the area, such as earthquakes, floods, and fires. This will make the subsequent plant selection process more clear. Taking soil type as an example, the main soil types in Heilongjiang Province of China are meadow soil, brown coniferous soil, chernoze, albic soil and dark brown soil, suitable for cultivating evergreen trees, deciduous shrubs, evergreen shrubs, and deciduous leaves. The arbor and woody vines are the five major types of garden plants; while the southern regions, such as betel nut, traveler banana, Hainan date palm, high pole palmetto, and bamboo. , eucalyptus plants. Different plants adapt to different climates and different soils, and careful choice should be made to ensure that plants survive and grow healthily and steadily, thus establishing a more beautiful flower environment.

There are many types of gardens, and the choice of plants naturally needs to be combined with the type of gardens, so that they can truly reflect the special beauty of each garden. Pay attention to the following points when choosing: Plant selection planning for classical gardens. For classical gardens, the most important thing is the embodiment of the original beauty of the garden. The choice of plants is set off. The goal is to reflect the beauty of each part of the artificial lake, bridge, gazebo, archway, road, etc. in the garden, so the neighboring water can be Choose the weeping willows, highlight the softness of the water, choose the green bamboo, welcoming pine, jellyfish, magnolia and plantain on both sides of the entrance and the road, reflecting the plant type with quiet and simple atmosphere. For the overall planning of the flower environment, the goal is to highlight the classical beauty of the garden. Plant selection planning for ecologically diverse garden types. For modern ecological gardens, the most important is the diversity of plants. To build such a garden, more innovative planning is needed to make the public see a more diverse picture. This kind of garden is more inclined to the nature of botanical gardens. It is necessary to use advanced technology to create the most suitable environment for the growth of different plants. Therefore, the choice of plants for such gardens should be based on diversity, so that people can see the plants everywhere. For the setting of flower environment, it can be planned in sections. For example, the flower environment of a certain section is suitable for tropical flower plants, and the flower area of

a certain section is mainly based on foreign plant types. These depend on the design of the people involved. Planning for mainstream type interactive gardens. For the selection of interactive garden flower plants, it should be based on regularity and visual cleanliness and appreciation. The flower garden plants on the waterside are closely connected with human life. Therefore, when ensuring the beauty of the products, the quality of the products should also be guaranteed, and the principle of "people-oriented" should be followed. The interaction in fun design is a further sublimation of kitchenware products, and an effective way to create a kitchen atmosphere. The core of its design not only reflects the designer's emotions, but also brings consumers into a deeper environment, increasing The temptation of kitchen utensils adds value to the kitchen products, creating an ideal kitchen environment that delights people in a warm, intimate kitchen.

### 4. Flower plant selection requirements and plant species

Adapt to the local climate and geographical environment. The plant species in the flower field are often selected to suit the local climatic conditions. It is necessary to adapt to the surrounding environment, such as the waterside flower design, and the plant selection is mainly based on wet plants such as kohlrabi and iris. The viewing period is long. Because of the persistence of the flower landscape, it is best to watch the plants on the plant for more than two months. For example, most mixed flowers are mainly made of perennial flowers with long flowering period. In the northeastern region, some early spring flowers with short flowering period should be added appropriately to make the seasonal changes of the flower glasses more distinct, and the viewing period is extended. Strong resistance and low maintenance. The flower environment generally requires extensive management, so the choice of plants should be selected from drought-resistant, cold-resistant, strong-resistance herbaceous flowers that do not need to change flowers every year. The meteorological conditions, soil, hydrology, topography, customs and customs of different regions are different. It is also impossible to have a unified standard for the selection of flowers, but there should also be a basic consensus and aesthetic requirements. The selection of materials is mainly based on the perennial flowers that can be used for wintering in the local areas, preferably local plants, which can not only highlight the local characteristics but also minimize the construction and maintenance costs of the flower environment. Shrubs generally have a long viewing period, distinctive features, low maintenance and input costs, and strong landscape continuity. They are excellent skeleton plants in flower fields. Once again, the ornamental grass is light in shape and rich in leaf color, especially with the beauty of natural wildness, and strong resistance is also one of the necessary materials in the selection of flowering plants. The first and second-year-old flowers are the best choice for the replenishment of flowers in the flower environment because of their high ornamental value, long flowering period, rich colors and strong seasonality.

### 5. Conclusion

With the development of China's economy and the improvement of people's living standards and the strengthening of environmental protection and low-carbon awareness, the requirements for the quality and level of landscaping are getting higher and higher. To a certain extent, the construction of the flower landscape conforms to the concept of eco-environmental protection and sustainable development in today's society, and becomes an important embodiment of the development of garden landscape to low-carbon, environmental protection and natural direction. In this paper, we study the design method and plant configuration of flower environment, and strive to solve the problem of beautiful and beautiful flowers by design, and solve the problem that flower plants are alive and not long through plant configuration. Of course, whether it is from the flower design or the choice of plants, it will be affected by the natural, geographical and human factors of the locality. Therefore, it is necessary to adapt to local conditions, change from time to time, and change the subject matter. It is necessary to continuously study and discuss, and not be limited to a fixed model. Limit the ecological, aesthetic, sustainability and regional nature of the flower landscape.

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