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Colour design system

色彩设计系统

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Foreword

This guidance technical document was drafted in accordance with the rules given in GB/T 1.1-2009. This guidance technical document is proposed and managed by the National Color Standardization Technical Committee (SAC/TC120). This guiding technical document is drafted by: Beijing Leading Space Commercial Color Research Center, Beijing Aobotai Technology Co., Ltd., Building Materials Industry Technology Supervision Research Center. This guiding technical document was drafted by: Zhonghe Fashion (Beijing) Cultural Development Co., Ltd., Dongguan Pengbo Industrial Co., Ltd. Division, Shenzhen Haichuan Industrial Co., Ltd., National Technical Laboratory of Color Science and Engineering, Beijing Institute of Technology, Beijing Zhongjian Huaheng Project Testing and Testing Co., Ltd. The main drafters of this guiding technical document. Lu Guang, Zhang Yimin, Wang Wei, Sun Xiuru, Liu Haoxue, Liao Ningfang, He Weiping, Liu Yang, Xie Wenxuan, Lu Mengyu, Lian Yusheng, Fang Gang, Yu Yang, Luo Yongdao, Li Yuxin, Yang Yongbo, Zhou Pengsheng.

This guidance technical document was developed to further promote the popularization and promotion of color design applications, and to build color quantitative design. Establish a communication and evaluation system for color language, improve the level of color design, and achieve standardization of quantitative color design. Its purpose is to guide the following issues in color design.

- Color design exchange language consistency;
- The normative nature of color quantization design;
- Construction of color combination and visual reconciliation regular feature representation;
- The unity of color design performance and theme appeal. Color design system

1 Scope

This guiding technical document specifies the terms and definitions and the colour representation of the colour design system, and gives the guiding methods of colour design. This guiding technical document applies to colour design and its application.

This guidance document specifies the terms and definitions, color representations in the color design system, and gives guidance on color design. method. This guidance document is intended for color design and application.

2 Terms and definitions

The following terms and definitions apply to this document.

2.1 Color design Two or more colors are combined according to the basic color matching rules of the visual.

2.2 A systematic approach to quantitatively combining colors by following the rules of color design.

2.3 Color triangle triangle colourtriangle A triangular coordinate system consisting of three sides of white, black, and color, used to indicate that a hue color is in a triangular coordinate system. The coordinate position.

2.4 Color position In the color triangle, the coordinate position determined by the white amount of black, the amount of black, and the amount of color.

2.5 White amount whitevalue The amount of white sensation contained in the color. In a color triangle, the colors arranged on a line parallel to the bc side have equal white The amount of color.

2.6 Black amount blackvalue The amount of black sensation contained in the color. In a color triangle, the colors arranged on a line parallel to the wc side have equal black The amount of color.

2.7 Color amount chromavalue The amount of color perception contained in the color. In a color triangle, the colors arranged on a line parallel to the wb side have equal color The amount of color.