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JIS

JAPANESE INDUSTRIAL STANDARD

Colour specification — Specification according to their three attributes

JIS Z 8721—1993

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In the event of any doubt arising,
the original Standard in Japanese is to be final authority.

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Colour specification - Specification according to their three attributes

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1. Scope This Japanese Industrial Standard specifies the system to specify surface colours (hereafter referred to as "colours"), by indicating their three attributes, i.e. hue, lightness, and chroma of colour perception with notations on scales.

Remarks: The following standards are cited in this Standard:

JIS Z 8105 Glossary of colour terms

JIS Z 8701 Specification of colours according to the CIE 1931 standard colorimetric system and the CIE 1964 supplementary standard colorimetric system

JIS Z 8716 Fluorescent lamp as a simulator of CIE standard illuminant D_{65} for a visual comparison of surface colours - Type and characteristics

JIS Z 8719 Evaluation method of degree of metamerism for change in illuminants

JIS Z 8720 Standard illuminants and sources for colorimetry

JIS Z 8722 Methods of colour measurement - Reflecting or transmitting objects

JIS Z 8723 Methods of visual comparison for surface colours

JIS Z 8741 Method of measurement for specular glossiness

2. Definitions For the purposes of this Standard, the definitions given in JIS Z 8105 and the following definition apply.

Constant hue plane A plane where the colours of constant hue are arranged so as to position in the order of their lightness and chroma.

3. Notation to specify three attributes

3.1 Notation to specify hue Of the attributes of colour perception, the hue H, scaled perceived hue, as shown in hue circle of Fig. 1 on which lightness and chroma are fixed, shall be notated with symbols shown in the inner circle of Fig. 1 and numerals prefixed to them. The hue circle has been graduated in approximately equal steps of hue perception.