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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by The Color Science Association of Japan (CSAJ)/ Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS Z 8730** : 2002 is replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

Colour specification — Colour differences of object colours

1 Scope

This Standard specifies the method of specification of colour difference of object colours.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS Z 8105 *Glossary of colour terms*

JIS Z 8722 *Methods of colour measurement—Reflecting and transmitting objects*

JIS Z 8729 *Colour specification—CIELAB and CIELUV colour spaces*

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS Z 8105** and the following definitions apply.

3.1 object colour

colour perceived as if it belongs to a target object

When it refers to the colour of the object which reflects or transmits light, it is called reflection or transmission object colour.

3.2 colour difference

difference of colour perceived between two colours, or value obtained by quantifying it

3.3 $L^*a^*b^*$ colour space

one of the three-dimensional, approximately uniform colour space recommended by the Commission internationale de l'Eclairage (CIE) in 1976

This is termed the CIE1976 ($L^*a^*b^*$) and abbreviated as CIELAB.

3.4 $L^*u^*v^*$ colour space

one of the three-dimensional, approximately uniform colour space recommended by the Commission internationale de l'Eclairage (CIE) in 1976

This is termed the CIE1976 ($L^*u^*v^*$) and abbreviated as CIELUV.

3.5 colour coordinate a^*, b^*

the colour coordinate a^*, b^* of CIELAB relating to the attribute of colour perception consisting of hue and chroma