

# **SLOVENSKI STANDARD**

## **SIST EN ISO 11664-4:2011**

**01-julij-2011**

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**Kolorimetrija - 4. del: CIE 1976 L\*a\*b\* barvni prostor (ISO 11664-4:2008)**

Colorimetry - Part 4: CIE 1976 L\*a\*b\* Colour space (ISO 11664-4:2008)

Farbmetrik - Teil 4: CIE 1976 L\*a\*b\* Farbenraum (ISO 11664-4:2008)

Colorimétrie - Partie 4: Espace chromatique L\*a\*b\* CIE 1976 (ISO 11664-4:2008)

**Ta slovenski standard je istoveten z: EN ISO 11664-4:2011**

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**ICS:**

|           |                            |                                  |
|-----------|----------------------------|----------------------------------|
| 17.180.20 | Barve in merjenje svetlobe | Colours and measurement of light |
|-----------|----------------------------|----------------------------------|

**SIST EN ISO 11664-4:2011**

**en,fr,de**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 11664-4**

April 2011

ICS 17.180.20

English Version

**Colorimetry - Part 4: CIE 1976 L\*a\*b\* Colour space (ISO 11664-4:2008)**

Colorimétrie - Partie 4: Espace chromatique L\*a\*b\* CIE  
1976 (ISO 11664-4:2008)

Farbmetrik - Teil 4: CIE 1976 L\*a\*b\* Farbenraum (ISO  
11664-4:2008)

This European Standard was approved by CEN on 17 March 2011.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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## Foreword

The text of ISO 11664-4:2008 has been prepared by Technical Committee CIE “International Commission on Illumination” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 11664-4:2011 by Technical Committee CEN/TC 139 “Paints and varnishes” the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2011, and conflicting national standards shall be withdrawn at the latest by October 2011.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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The text of ISO 11664-4:2008 has been approved by CEN as a EN ISO 11664-4:2011 without any modification.

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# INTERNATIONAL STANDARD

**ISO**  
**11664-4**  
**CIE S 014-4/E**

First edition  
2008-11-01

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## Colorimetry —

Part 4:

## CIE 1976 L\*a\*b\* Colour space

*Colorimétrie —*

*Partie 4: Espace chromatique L\*a\*b\* CIE 1976*

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

ISO 11664-4 was prepared as Standard CIE S 014-4/E by the International Commission on Illumination, which has been recognized by the ISO Council as an international standardizing body. It was adopted by ISO under a special procedure which requires approval by at least 75 % of the member bodies casting a vote, and is published as a joint ISO/CIE edition.

The International Commission on Illumination (abbreviated as CIE from its French title) is an organization devoted to international cooperation and exchange of information among its member countries on all matters relating to the science and art of lighting.

ISO 11664-4 was prepared by CIE Technical Committee 1-57 of Division 1, *Vision and colour*.

ISO 11664 consists of the following parts, under the general title *Colorimetry*:

- *Part 1: CIE standard colorimetric observers*
- *Part 2: CIE standard illuminants*
- *Part 4: CIE 1976 L\*a\*b\* Colour space*

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**Standard**COMMISSION INTERNATIONALE DE L'ÉCLAIRAGE  
INTERNATIONAL COMMISSION ON ILLUMINATION  
INTERNATIONALE BELEUCHTUNGSKOMMISSION**CIE S 014-4/E:2007**

## Colorimetry -

# Part 4: CIE 1976 L\*a\*b\* Colour Space

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Colorimétrie - Partie 4: Espace chromatique L\*a\*b\* CIE 1976

Farbmessung - Teil 4: CIE 1976 L\*a\*b\* Farbenraum  
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CIE S 014-4/E:2007

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535.643.2Descriptor: Standardisation of colour measurement  
Standard colorimetric systems