



**SLOVENSKI STANDARD**  
**SIST EN ISO/CIE 11664-5:2024**

**01-september-2024**

**Nadomešča:**

**SIST EN ISO 11664-5:2016**

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**Kolorimetrija - 5. del: Barvni prostor  $L^*u^*v^*$  in diagram enakomerne barvnosti  $u', v'$  po CIE 1976 (ISO/CIE 11664-5:2024)**

Colorimetry - Part 5: CIE 1976  $L^*u^*v^*$  colour space and  $u', v'$  uniform chromaticity scale diagram (ISO/CIE 11664-5:2024)

Farbmetrik - Teil 5: CIE 1976  $L^*u^*v^*$ -Farbenraum und gleichabständige  $u', v'$  Farbtafel (ISO/CIE 11664-5:2024)

Colorimétrie - Partie 5: Espace chromatique  $L^*u^*v^*$  et diagramme de chromaticité uniforme  $u', v'$  CIE 1976 (ISO/CIE 11664-5:2024)

**Ta slovenski standard je istoveten z: EN ISO/CIE 11664-5:2024**

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**ICS:**

17.180.20 Barve in merjenje svetlobe Colours and measurement of light

**SIST EN ISO/CIE 11664-5:2024 en,fr,de**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN ISO/CIE 11664-5

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ICS 17.180.20

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English Version

Colorimetry - Part 5: CIE 1976  $L^*u^*v^*$  colour space and  $u'$ ,  
 $v'$  uniform chromaticity scale diagram (ISO/CIE 11664-  
5:2024)

Colorimétrie - Partie 5: Espace chromatique  $L^*u^*v^*$  et  
diagramme de chromaticité uniforme  $u'$ ,  $v'$  CIE 1976  
(ISO/CIE 11664-5:2024)

Farbmetrik - Teil 5: CIE 1976  $L^*u^*v^*$ -Farbenraum und  
gleichabständige  $u'$ ,  $v'$ -Farbtafel (ISO/CIE 11664-  
5:2024)

This European Standard was approved by CEN on 29 May 2024.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
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EUROPÄISCHES KOMITEE FÜR NORMUNG

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## European foreword

This document (EN ISO/CIE 11664-5:2024) has been prepared by Technical Committee ISO/TC 274 "Light and lighting" in collaboration with 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of an identical text or by endorsement, at the latest by December 2024, and conflicting national standards shall be withdrawn at the latest by December 2024.

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

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**International  
Standard**

**ISO/CIE 11664-5**

**Colorimetry —**

Part 5:

**CIE 1976  $L^*u^*v^*$  colour space and  $u', v'$  uniform chromaticity scale diagram**

*Colorimétrie —*

*Partie 5: Espace chromatique  $L^*u^*v^*$  et diagramme de chromaticité uniforme  $u', v'$  CIE 1976*

**Second edition  
2024-06**

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**ISO/CIE 11664-5:2024(en)**

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## ISO/CIE 11664-5:2024(en)

### 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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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This document was prepared by the International Commission on Illumination (CIE) in cooperation with Technical Committee ISO/TC 274, *Light and lighting*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 139, *Paints and varnishes*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO/CIE 11664-5:2016), which has been technically revised.

The main changes are as follows:

- list of ISO/CIE 11664 series *Colorimetry* shifted from Foreword to Introduction;
- text in [3.1](#), [4.2](#), [4.3](#), and [4.4](#) updated;
- previous [Formula \(24\)](#) deleted and related formula numbers updated accordingly;
- sign in [Formula \(26\)](#) updated;
- Bibliography updated;
- minor editorial changes.

A list of all parts in the ISO/CIE 11664 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).