SLOVENSKI STANDARD
oSIST prEN IEC 60757:2020

01-december-2020

Koda za označevanje barv

Code for designation of colours

Code zur Farbkennzeichnung

Code de désignation de couleurs

Ta slovenski standard je istoveten z: **prEN IEC 60757:2020**

ICS:

01.070	Barvno kodiranje	Colour coding
29.020	Elektrotehnika na splošno	Electrical engineering in general

oSIST prEN IEC 60757:2020 **en,fr,de**

3/1457/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER: **IEC 60757 ED2**	
DATE OF CIRCULATION: **2020-10-02**	CLOSING DATE FOR VOTING: **2020-12-25**
SUPERSEDES DOCUMENTS: **3/1445/CD, 3/1456/CC**	

IEC TC 3 : DOCUMENTATION, GRAPHICAL SYMBOLS AND REPRESENTATIONS OF TECHNICAL INFORMATION

SECRETARIAT: Sweden	SECRETARY: Mr Thomas Borglin
OF INTEREST TO THE FOLLOWING COMMITTEES: SC 3C,SC 3D,TC 9,TC 15,TC 40,TC 44,SC 65C	PROPOSED HORIZONTAL STANDARD: ☒ Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary.

FUNCTIONS CONCERNED:
☐ EMC ☐ ENVIRONMENT ☐ QUALITY ASSURANCE ☒ SAFETY

☒ SUBMITTED FOR CENELEC PARALLEL VOTING ☐ NOT SUBMITTED FOR CENELEC PARALLEL VOTING

Attention IEC-CENELEC parallel voting

The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) is submitted for parallel voting.

The CENELEC members are invited to vote through the CENELEC online voting system.

This document is still under study and subject to change. It should not be used for reference purposes.

Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

TITLE:

Code for designation of colours

PROPOSED STABILITY DATE: 2030

NOTE FROM TC/SC OFFICERS:

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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CODE FOR DESIGNATION OF COLOURS

FOREWORD

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International Standard IEC 60757 has been prepared by IEC technical committee 3: Documentation, graphical symbols and representations of technical information.

It has the status of a basic safety publication in accordance with IEC Guide 104.

This 2nd edition cancels and replaces the 1st edition published in 1983. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) Updated to the last IEC template;
b) Codes restricted to letter codes;
c) Removed old unnecessary notes;
d) Added a new subclause on alternating colours of the same item;
e) Added Annex A with examples of colours and their corresponding RGB encoding.

71 The text of this International Standard is based on the following documents:

FDIS	Report on voting
3/XX/FDIS	3/XX/RVD

72

73 Full information on the voting for the approval of this International Standard can be found in the
74 report on voting indicated in the above table.

75 This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

76 The committee has decided that the contents of this document will remain unchanged until the
77 stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to
78 the specific document. At this date, the document will be

79 • reconfirmed,
80 • withdrawn,
81 • replaced by a revised edition, or
82 • amended.

83

84 **IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates**
85 **that it contains colours which are considered to be useful for the correct understanding**
86 **of its contents. Users should therefore print this document using a colour printer.**

87

88 The National Committees are requested to note that for this document the stability date
89 is 2030.

90 THIS TEXT IS INCLUDED FOR THE INFORMATION OF THE NATIONAL COMMITTEES AND WILL BE DELETED
91 AT THE PUBLICATION STAGE.

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CODE FOR DESIGNATION OF COLOURS

1 Scope

This International Standard specifies letter codes for designation of colours and provides rules for their combination to designate colour combinations. The letter codes are intended to be applied in the technical documentation of industrial installations, equipment and products, and in markings of equipment and products.

This basic safety publication is primarily intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51.

It is not intended for use by manufacturers or certification bodies. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications. The requirements of this basic safety publication will not apply unless specifically referred to or included in the relevant publications.

This International Standard does not specify any requirements for the encoding of colour properties, nor for their visual representation. Such requirements are under the responsibility of the different technical committees.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC Guide 104, *The preparation of safety publications and the use of basic safety publications and group safety publications*

ISO/IEC Guide 51, *Safety aspects – Guidelines for their inclusion in standards*

IEC 60445, *Basic and safety principles for man-machine interface, marking and identification – Identification of equipment terminals, conductor terminations and conductors*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at http://www.iso.org/obp

4 Letter codes for colours

For the designation of a colour, the following applies:

- For colours listed in Table 1, the designation shall be in accordance with the letter code specified in Table 1;

- For other colours, the letter code applied shall be specified in supporting documentation.

Table 1 – Colours and their letter code

Colour	Letter code
Black	BK
Brown	BN
Red	RD
Orange	OG
Green	GN
Yellow	YE
Blue	BU
Violet	VT
Grey	GY
White	WH
Pink	PK
Gold	GD
Turquoise	TQ
Silver	SR

NOTE In Annex A is shown examples of the colours together with their RGB encoding. There is no colour matching required or implied, but the colours need to be unambiguously different to ensure safe usage.

5 Application of colour designations

5.1 Multiple colours on the same item

Where an item is coloured with different colours, the colour designation for that item shall be formed by adding the colour codes for the different colours applied in a sequence as they are listed from the top in Table 1.

EXAMPLE: An item coloured red and blue is colour designated: RDBU.

The combination of the colours green, GN, and yellow, YE, shall be restricted to those purposes specified in IEC 60445, and those colours shall not be used in any combination other than the combination green-and-yellow, GNYE.

5.2 Alternating colours of the same item

Where different colours are used alternatively for the same item, the colour designation for that item shall be formed by adding the colour codes for the different alternating colours applied in a sequence as they are listed from the top in Table 1, separated by the SOLIDUS sign “/”.

EXAMPLE: A LED alternating between the two colours blue and white is colour designated BU/WH.

5.3 Colours on different subitems of an item

Where different subitems of an item are coloured with different colours or colour combinations, the colour designation for the content of the item shall be formed by adding the colour designation of the different subitems separated by the PLUS sign “+”.

EXAMPLE: A cable with a black, a brown, a grey, a blue and a green-and-yellow core is colour designated: BK+BN+GNYE+BU+GY