

# ANSI/CEA Standard

## Color Codes for Outdoor TV Receiving Antennas

ANSI/CEA-2028-A

February 2009



**CEA**  
Consumer Electronics Association

[www.CE.org](http://www.CE.org)

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(Formulated under the cognizance of the CEA's **R5 Antennas Committee**.)

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## **FOREWORD**

This standard was developed under the auspices of the Consumer Electronics Association (CEA) R5 Antenna Systems Committee and replaces CEA-2028, *Color Codes for Outdoor TV Receiving Antennas*, which replaced CEA-CEB-6-C, TV Receiving Antenna Manufacturers Guide to Categorizing Antennas for Use with the CEA TV Antenna Selector Map Program.

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# Color Codes for Outdoor TV Receiving Antennas

## 1 Scope

This standard defines color codes to be associated with minimum performance parameters of outdoor television (TV) receiving antennas. When used in conjunction with the CEA TV antenna selector program at [www.AntennaWeb.org](http://www.AntennaWeb.org), these color codes can help both consumers and professional installers select appropriate outdoor TV antennas for their particular reception environments.

This standard applies only to devices that can be connected to a transmission line for purposes of converting an electromagnetic wave propagating in free space to a radiofrequency (RF) voltage. Couplers and distribution components that are not permanently integrated with an antenna are not covered by this standard.

## 2 References

### 2.1 Normative References

The following standards contain provisions that, through reference in this text, constitute normative provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards listed here.

#### 2.1.1 Normative Reference List

- CEA-774-B, *TV Receiving Antenna Performance Presentation and Measurement*, December, 2008.

#### 2.1.2 Normative Reference Acquisition

CEA Standards:

- Global Engineering Documents, World Headquarters, 15 Inverness Way East, Englewood, CO USA 80112-5776; Phone 800-854-7179; Fax 303-397-2740; Internet <http://global.ihs.com>; Email [global@ihs.com](mailto:global@ihs.com)

### 2.2 Informative References

The following standards contain provisions that, through reference in this text, constitute informative provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards listed here.

#### 2.2.1 Informative Reference List

- ATSC Recommended Practice A/74, *Receiver Performance Guidelines*, June 18, 2004, with Corrigendum No. 1 and Amendment No. 1.
- ANSI/CEA-909-A, *Antenna Control Interface*, December 2007