

If you are a software developer and use multiple tools for testing and validating your code, then **Online-Toolz** can be of great help. It's a web service that provides software developers with a whole lot of validators, functions, generators and conversion tools. It offers [HTML](#), [XML](#) validators, text conversion & encryption-decryption functions, date functions, password generators, color chooser and more.

Online Toolz has a tools menu at left side. Starting with some [encryption](#) tools, it provides users with [MD5](#) and SHA1 generators. MD5 uses the *Message-Digest algorithm 5*, whereas SHA1 uses, the SHA algorithm.

**ONLINE TOOLZ**

**Tools Menu**

- [MD5 Generator](#)
- [SHA1 Generator](#)
- [PHP URL Encoder- Decoder](#)
- [JS Escape Functions](#)
- [Text - Base64 Conversion](#)
- [Text - Hex Conversion](#)
- [Text - Binary Conversion](#)
- [Hex - Binary Conversion](#)
- [Text - HTML Entites Conversion](#)
- [Unicode Escaping](#)
- [Unicode - HTML Entites Conversion](#)
- [String Functions](#)
- [Character Functions](#)
- [Date Functions](#)
- [Text Encryption - Decryption](#)
- [XPath Tester](#)
- [XSLT Transformation](#)
- [XML Validator](#)
- [XML Formatter](#)
- [HTML Validator](#)
- [HTML Formatter](#)
- [RegExp Editor](#)
- [JSON Editor](#)
- [JSON to XML Conversion](#)
- [Color Chooser](#)
- [Password Generator](#)
- [Web Grep](#)

## MD5 Generator

An MD5 Generator which generates MD5 hash from a given text

**Input Text**

We have all come across situations where we felt the need to restore a file that was deleted even from the Recycle Bin.

**Generated MD5**

f7671789b2a0b3a1a4b318a4aba7493e

In cryptography, MD5 (Message-Digest algorithm 5) is a widely used cryptographic hash function with a 128-bit (16-byte) hash value. Specified in RFC 1321, MD5 has been employed in a wide variety of security applications, and is also commonly used to check the integrity of files. However, it has been shown that MD5 is not collision resistant; as such, MD5 is not suitable for applications like SSL certificates or digital signatures that rely on this property. An MD5 hash is typically expressed as a 32-digit hexadecimal number.

MD5 was designed by Ron Rivest in 1991 to replace an earlier hash function, MD4. In 1996, a flaw was found with the design of MD5. While it was not a clearly fatal weakness, cryptographers began recommending the use of other algorithms, such as SHA-1 (which has since been found also to be vulnerable). In 2004, more serious flaws were discovered, making further use of the algorithm for security purposes questionable; specifically, a group of researchers described how to create a pair of files that share the same MD5 checksum. Further advances were made in breaking MD5 in 2005, 2006, and 2007. In an attack on MD5 published in December 2008, a group of researchers used this technique to fake SSL certificate validity. US-CERT of the U. S. Department of Homeland Security said MD5 "should be considered cryptographically broken and unsuitable for further use" and most U.S. government applications now require the SHA-2 family of hash functions.

# Character Manipulation Functions

This tool provides all information about a specified **character**

## Input Character

Get Character Information

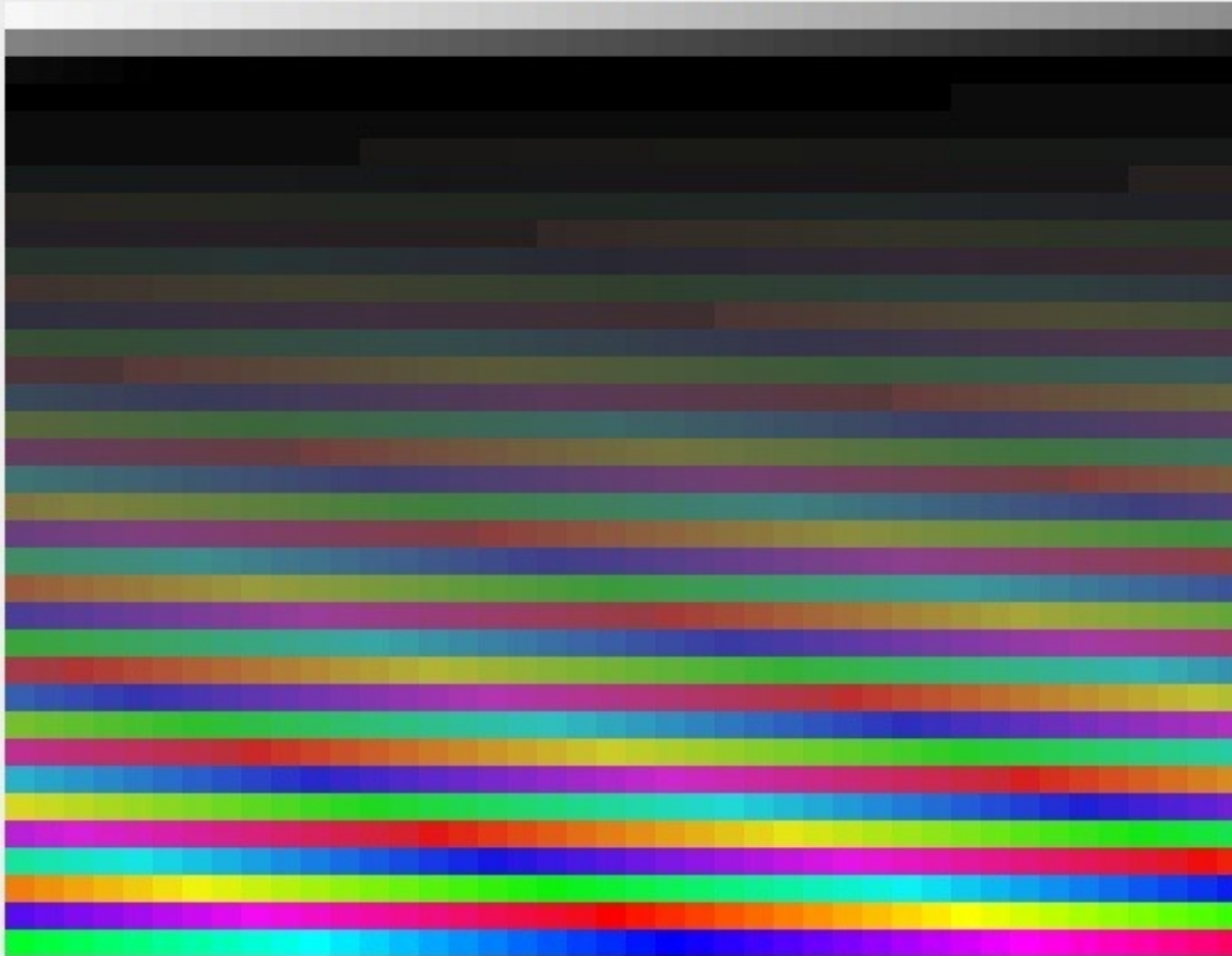
## Character Information

<b>Character Dec Code:</b>	<input type="text" value="85"/>
<b>Character Hex Value:</b>	<input type="text" value="0x55"/>
<b>Character Octal Value:</b>	<input type="text" value="125"/>
<b>Character Unicode:</b>	<input type="text" value="U+55"/>
<b>Character UTF-8 Value:</b>	<input type="text" value="0x55"/>
<b>JavaScript Escaped:</b>	<input type="text" value="%u55"/>
<b>HTML Entity:</b>	<input type="text" value="U"/>

Online Tools offers various web development tools under one hood. This tool provides all information about a specified character. The character 'U' is used as an example. The tool provides the following information: Character Dec Code: 85, Character Hex Value: 0x55, Character Octal Value: 125, Character Unicode: U+55, Character UTF-8 Value: 0x55, JavaScript Escaped: %u55, HTML Entity: &#85;

# Color Chooser

Click on the color to get the code: `rgb(114,101,63) #72653f`



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