

# Converting Colors

Hex(E73017)

Have a look what the booklet for  
Hex(E73017) contains.

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**Color**

**Hex(E73017)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E73017
RGB	231, 48, 23
RGB Percent	91%, 19%, 9%
CMY	0.0941, 0.8118, 0.9098
CMYK	0.00, 0.79, 0.90, 0.09
HSL	7°, 82%, 50%
HSV	7°, 90%, 91%
XYZ	34.1666, 19.1647, 2.7090
YIQ	99.8670, 117.0930, 31.0210

# Conversions

## Conversions Part 2

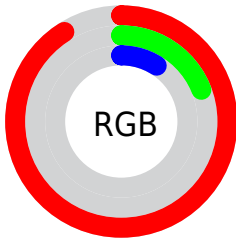
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 51, 23
Decimal	15151127
CIE Lab	50.88, 67.24, 56.92
CIE LCh	51, 88.100, 40.249
Yxy	19.1647, 0.6097, 0.3420
Android (android.graphics.Color)	4293341207 (0xFFE73017)
YUV	99.8670, -37.8954, 115.0036
Hunter-Lab	43.7775, 62.7016, 26.9753

# Details

The Hex color **E73017** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **17CEE7**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **FF6F49**, and **A60000** is the 20% darker color. If you saturate the color by 10%, you get **E71C00**, and if you desaturate by 10%, it is **E7442E**.

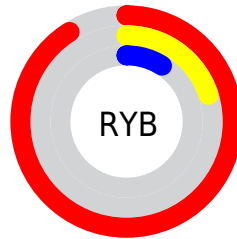
# Distribution



Red (91%)

Green (19%)

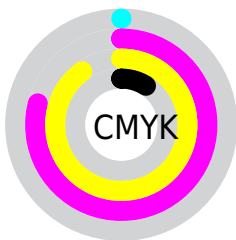
Blue (9%)



Red (91%)

Yellow (20%)

Blue (9%)

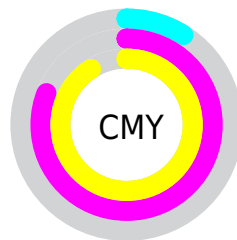


Cyan (0%)

Magenta (79%)

Yellow (90%)

Black (9%)



Cyan (9%)

Magenta (81%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E73017 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color E73017 by changing the saturation by 10% instead.



 E73017

 E73017

FFFFFF

 C60000

 FF6F49

 A60000

 FF8C62

 850000

 FFA97C

 660000

 FFC696

 490003

 FFE4B1

 290001

 FFFFCD

 000000

 FFFFEA

 E73017

 E73017

 E71C00

 E7442E

 E75945

 E76D5C

 E78173

 E7968B

 E7AAA2

 E7BEB9

 E7D3D0

 E7E7E7

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



F80063



E73017



BB6200

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



E73017



009542



007BFF

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



E73017



17CEE7

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



008FFF



E73017



009892

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



E73017



0A8E00



0097DA



9655EE

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



E73017



937700



0097DA



0084FF



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



E73017



FFC2BA



E717CF



805C57



000000



808080



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



E73017



FF1F00



E79717



736967



B31500



330600

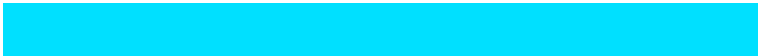


# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



17CEE7



00E0FF



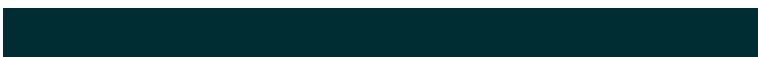
1767E7



677173



009DB3



002D33



# Previews

## White Background



This preview shows how the Hex color E73017 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex E73017 Background



This preview shows how black text looks on a background with the Hex color E73017.



This preview shows how white text looks on a background with the Hex color E73017.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
E73017

**Protanopia**  
887A28

**Deuteranopia**  
9A7400



**Tritanopia**  
E72E2D

# Trichromacy



**Original Color**  
E73017

**Protanomaly**  
AB5F22

**Deuteranomaly**  
B65B08

**Tritanomaly**  
E72F25

# Monochromacy



**Original Color**  
E73017

**Achromatopsia**  
646464

**Achromatomaly**  
945148

# CSS Examples

## Text

The CSS property to change the color of the text to Hex E73017 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #E73017 looks like.

```
.text, #text, p{  
    color:#E73017  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #E73017 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E73017
}
```

## Border

The CSS property to change the border of an element to Hex E73017 is called "border". The border property can be set on classes, ids or directly on the HTML element.

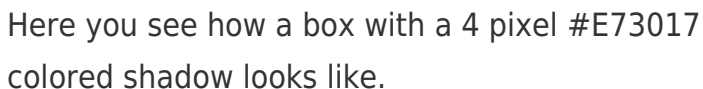
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#E73017 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#E73017 }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel #E73017 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E73017; -webkit-box-shadow:4px 4px  
4px 4px #E73017; box-shadow:4px 4px 4px  
4px #E73017 }
```

# Background

The CSS property to change the background color of an element to Hex E73017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E73017 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#E73017 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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