

# Converting Colors

Hex(ED003B)

Have a look what the booklet for  
Hex(ED003B) contains.

<b>Hex(ED003B)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(ED003B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED003B
RGB	237, 0, 59
RGB Percent	93%, 0%, 23%
CMY	0.0706, 1.0000, 0.7686
CMYK	0.00, 1.00, 0.75, 0.07
HSL	345°, 100%, 46%
HSV	345°, 100%, 93%
XYZ	35.7145, 18.3203, 5.7915
YIQ	77.5890, 122.3130, 68.5930

# Conversions

## Conversions Part 2

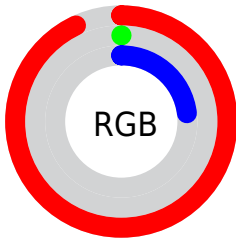
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 0, 59
Decimal	15532091
CIE Lab	49.88, 76.83, 38.37
CIE LCh	50, 85.880, 26.541
Yxy	18.3203, 0.5970, 0.3062
Android (android.graphics.Color)	4293722171 (0xFFED003B)
YUV	77.5890, -9.1644, 139.8034
Hunter-Lab	42.8022, 74.0378, 21.9391

# Details

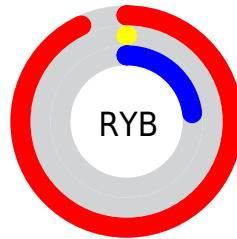
The Hex color **ED003B** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **00EDB2**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **FF5D6A**, and **AC0012** is the 20% darker color. If you saturate the color by 10%, you get **ED003B**, and if you desaturate by 10%, it is **ED184D**.

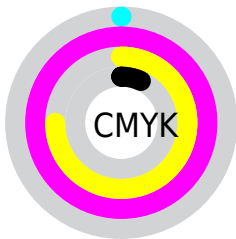
# Distribution



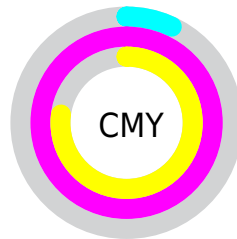
- Red (93%)
- Green (0%)
- Blue (23%)



- Red (93%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (75%)
- Black (7%)



- Cyan (7%)
- Magenta (100%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color ED003B 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 ED003B by changing the saturation by 10% instead.



 ED003B

 ED003B

FFFFFF

 CC0025

 FF5D6A

 AC0012

 FF7D84

 8B0000

 FF9B9E

 6B0002

 FFB9B9

 4E0004

 FFD7D4

 2D0001

 FFF5F1

 000000

 ED003B

 ED184D

 ED2F5F

 ED4770

 ED5F82

 ED7694

 ED8EA6

 EDA6B8

 EDBEC9

 EDD5DB

# Harmonies

## Analogous

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



ED0082



ED003B



CD4E00

# Triad

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



ED003B



008F17



0083FF

# Complementary

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



ED003B



00EDB2

# 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.



0091F1



ED003B



00936C

# Square

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



ED003B



508500



0094B7



4D67FC

# Rectangle

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



ED003B



AB6700



0094B7



0089FF



# Sweetspot

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



ED003B



FFB3C6



B200ED



80525D



000000



808080



# Same Dimension

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



ED003B



FF003F



ED3B00



756A6C



B5002D



36000D



# Inverse Universe

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



ED003B



FF003F



00B2ED



756A6C



B5002D



36000D



# Previews

## White Background



This preview shows how the Hex color ED003B looks on a white background.

## Color Contrast Check

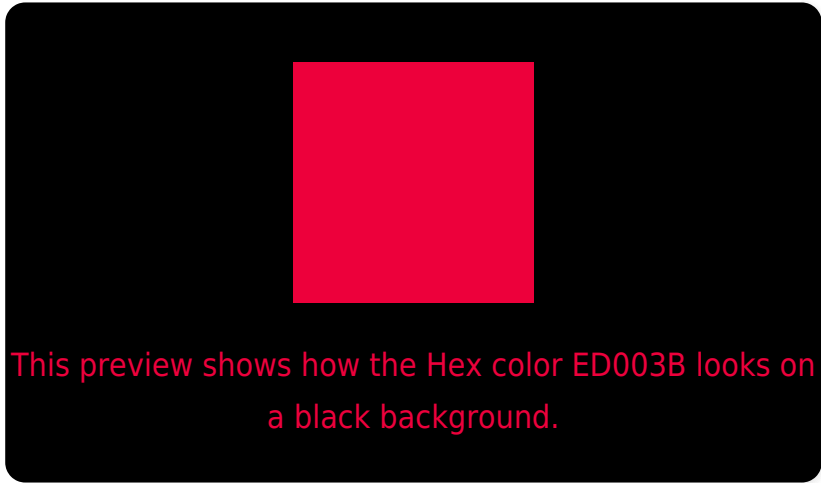
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# 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 ED003B Background



This preview shows how black text looks on a background with the Hex color ED003B.

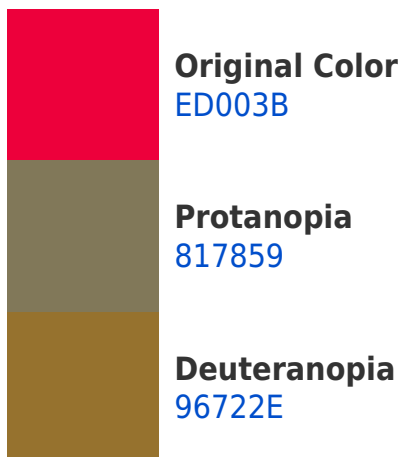


This preview shows how white text looks on a background with the Hex color ED003B.

# 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





# Trichromacy



**Original Color**  
ED003B



**Protanomaly**  
A84C4E



**Deuteranomaly**  
B64933



**Tritanomaly**  
EC0F1F

# Monochromacy



**Original Color**  
ED003B



**Achromatopsia**  
4E4E4E



**Achromatomaly**  
883247

# CSS Examples

## Text

The CSS property to change the color of the text to Hex ED003B 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 #ED003B looks like.

```
.text, #text, p{  
    color:#ED003B  
}
```

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 #ED003B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #ED003B
}
```

## Border

The CSS property to change the border of an element to Hex ED003B is called "border". The border property can be set on classes, ids or directly on the HTML element.

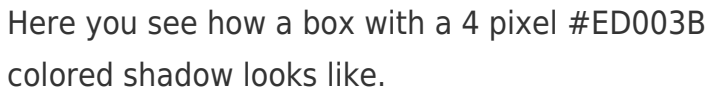
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#ED003B }
```

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

```
.border{ border-color:#ED003B }
```

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



Here you see how a box with a 4 pixel `#ED003B` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #ED003B; -webkit-box-shadow:4px 4px  
4px 4px #ED003B; box-shadow:4px 4px 4px  
4px #ED003B }
```

# Background

The CSS property to change the background color of an element to Hex ED003B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#ED003B }
```

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

```
.background{ background-color:#ED003B }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**