

# Converting Colors

Hex(EC5833)

Have a look what the booklet for  
Hex(EC5833) contains.

<b>Hex(EC5833)</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(EC5833)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EC5833
RGB	236, 88, 51
RGB Percent	93%, 35%, 20%
CMY	0.0745, 0.6549, 0.8000
CMYK	0.00, 0.63, 0.78, 0.07
HSL	12°, 83%, 56%
HSV	12°, 78%, 93%
XYZ	38.6793, 25.0513, 5.9287
YIQ	128.0340, 100.0850, 19.8690

# Conversions

## Conversions Part 2

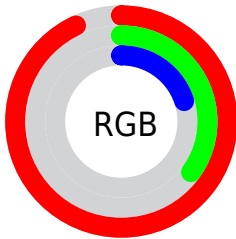
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	236, 97, 51
Decimal	15489075
CIE <sub>Lab</sub>	57.13, 55.33, 50.27
CIE <sub>LCh</sub>	57, 74.758, 42.259
Yxy	25.0513, 0.5553, 0.3596
Android (android.graphics.Color)	4293679155 (0xFFEC5833)
YUV	128.0340, -37.9778, 94.6862
Hunter-Lab	50.0513, 50.3539, 28.0128

# Details

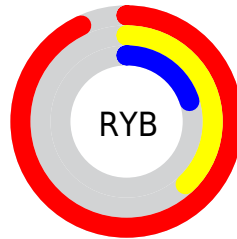
The Hex color **EC5833** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **33C7EC**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **FF8F64**, and **AC1B01** is the 20% darker color. If you saturate the color by 10%, you get **EC451B**, and if you desaturate by 10%, it is **EC6B4B**.

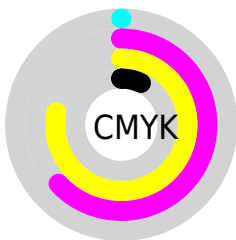
# Distribution



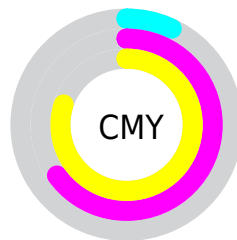
- Red (93%)
- Green (35%)
- Blue (20%)



- Red (93%)
- Yellow (38%)
- Blue (20%)



- Cyan (0%)
- Magenta (63%)
- Yellow (78%)
- Black (7%)



- Cyan (7%)
- Magenta (65%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color EC5833 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 EC5833 by changing the saturation by 10% instead.



 EC5833

 EC5833

FFFFFF

 CC3C1B

 FF8F64

 AC1B01

 FFAB7E

 8D0000

 FFC898

 6E0000

 FFE5B3

 500000

 FFFFCF

 340002

 FFFFEC

 000000

 EC5833

 EC5833

 EC451B

 EC6B4B

 EC3204

 EC7E62

 EC2F00

 EC917A

 ECA491

 ECB6A9

 ECC9C1

 ECD8D8

 ECEFF0

 ECF0FF

# Harmonies

## Analogous

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



FB3D71



EC5833



C47800

# Triad

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



EC5833



00A45F



0088FF

# Complementary

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



EC5833



33C7EC

# 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.



009BFF



EC5833



00A6A3

# Square

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



EC5833



3F9D15



00A4E0



AC6AEB

# Rectangle

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



EC5833



A18800



00A4E0



0090FF



# Sweetspot

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



EC5833



FFCEC2



EC33C7



80625B



000000



808080



# Same Dimension

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



EC5833



FF3F0F



ECB433



756C6A



B52400



360B00



# Inverse Universe

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



33C7EC



0FCFFF



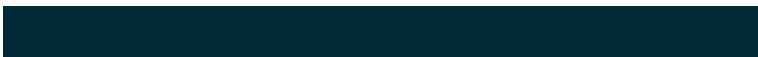
336AEC



6A7375



0091B5

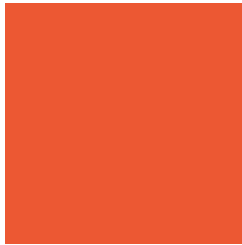


002B36



# Previews

## White Background



This preview shows how the Hex color EC5833 looks on a white background.

## Color Contrast Check

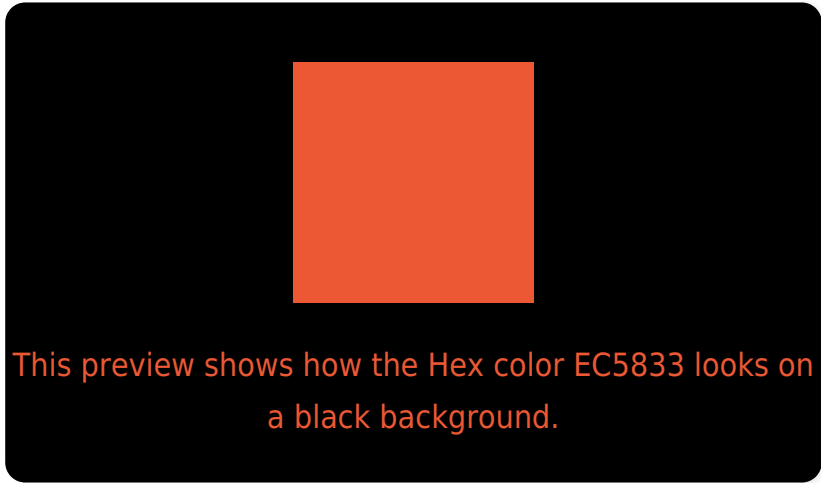
Large Text (above 18pt) WCAG AA ✓ Pass

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

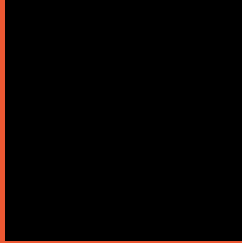
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex EC5833 Background



This preview shows how black text looks on a background with the Hex color EC5833.



This preview shows how white text looks on a background with the Hex color EC5833.

# 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



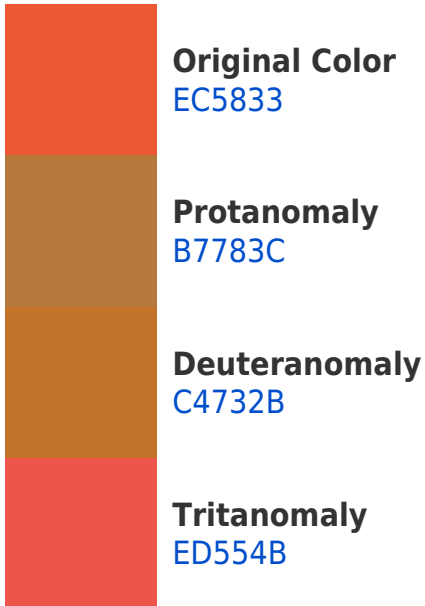
**Original Color**  
EC5833

**Protanopia**  
988A41

**Deuteranopia**  
AD8327



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex EC5833 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 #EC5833 looks like.

```
.text, #text, p{  
    color:#EC5833  
}
```

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 #EC5833 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #EC5833
}
```

## Border

The CSS property to change the border of an element to Hex EC5833 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".

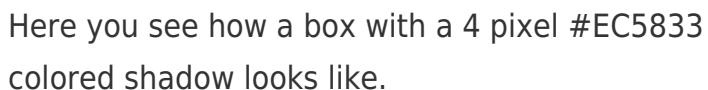
```
.border, #border, table{ border:4px solid
#EC5833 }
```

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

```
.border{ border-color:#EC5833 }
```

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

Here you see how a box with a 4 pixel #EC5833 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #EC5833; -webkit-box-shadow:4px 4px  
4px 4px #EC5833; box-shadow:4px 4px 4px  
4px #EC5833 }
```

# Background

The CSS property to change the background color of an element to Hex EC5833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#EC5833 }
```

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

```
.background{ background-color:#EC5833 }
```

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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