

# Converting Colors

Hex(FF5B33)

Have a look what the booklet for  
Hex(FF5B33) contains.

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**Color**

**Hex(F5B33)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5B33
RGB	255, 91, 51
RGB Percent	100%, 36%, 20%
CMY	0.0000, 0.6431, 0.8000
CMYK	0.00, 0.64, 0.80, 0.00
HSL	12°, 100%, 60%
HSV	12°, 80%, 100%
XYZ	45.5786, 28.9812, 6.3236
YIQ	135.4760, 110.5840, 22.3280

# Conversions

## Conversions Part 2

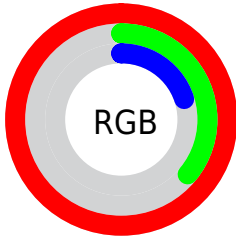
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 101, 51
Decimal	16735027
CIE Lab	60.77, 60.48, 54.90
CIE LCh	61, 81.680, 42.233
Yxy	28.9812, 0.5635, 0.3583
Android (android.graphics.Color)	4294925107 (0xFFFF5B33)
YUV	135.4760, -41.6467, 104.8225
Hunter-Lab	53.8342, 56.9169, 30.7194

# Details

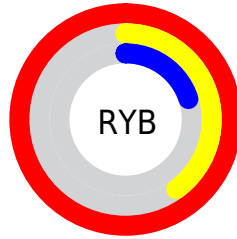
The Hex color **FF5B33** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **33D7FF**, and the grayscale version is **888888**.

A 20% lighter version of the original color is **FF9465**, and **BE1B00** is the 20% darker color. If you saturate the color by 10%, you get **FF4619**, and if you desaturate by 10%, it is **FF704D**.

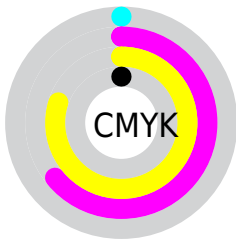
# Distribution



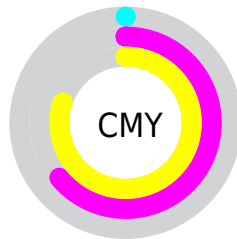
- Red (100%)
- Green (36%)
- Blue (20%)



- Red (100%)
- Yellow (40%)
- Blue (20%)



- Cyan (0%)
- Magenta (64%)
- Yellow (80%)
- Black (0%)



- Cyan (0%)
- Magenta (64%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FF5B33 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 FF5B33 by changing the saturation by 10% instead.



 FF5B33

 FF5B33

FFFFFF

 DE3E1A

 FF9465

 BE1B00

 FFB07F

 9E0000

 FFCD99

 7E0000

 FFEAB4

 5F0000

 FFFFD0

 430003

 FFFFED

 220001

 000000

 FF5B33

 FF5B33

■ FF4619

■ FF704D

■ FF3200

■ FF8466

■ FF9980

■ FFAD99

■ FFC2B3

■ FFD6CC

■ FFEBE6

FFFFFF

# Harmonies

## Analogous

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



FF3A78



FF5B33



D37F00

# Triad

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



FF5B33



00AF64



0092FF

# Complementary

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



FF5B33



33D7FF

# 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.



00A7FF



FF5B33



00B2AF

# Square

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



FF5B33



3DA80B



00B0F3



B970FF

# Rectangle

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



FF5B33



AC9100



00B0F3



009AFF



# Sweetspot

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



FF5B33



FFCEC2



FF33DA



80625B



000000



808080



# Same Dimension

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



FF5B33



FF3A0A



FFBE33



807573



BF2500

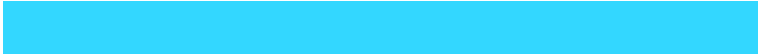


400C00



# Inverse Universe

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



33D7FF



0ACFFF



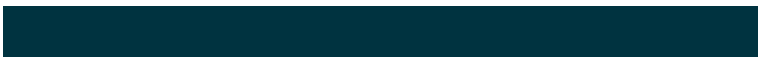
3374FF



737D80



009ABF



003340



# Previews

## White Background



This preview shows how the Hex color FF5B33 looks on a white background.

## Color Contrast Check

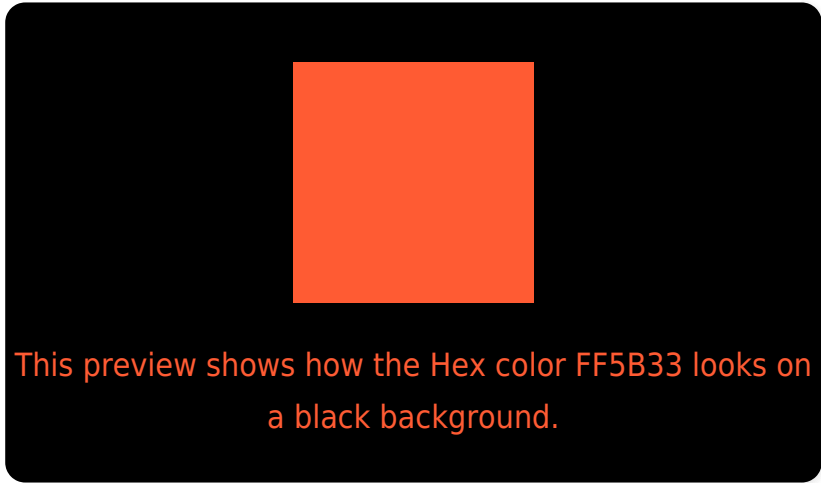
Large Text (above 18pt) WCAG AA ✓ Pass

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 FF5B33 Background



This preview shows how black text looks on a background with the Hex color FF5B33.



This preview shows how white text looks on a background with the Hex color FF5B33.

# 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**  
FF5B33

**Protanopia**  
A39343

**Deuteranopia**  
B98B25



**Tritanopia**  
FF585C

# Trichromacy



**Original Color**  
FF5B33

**Protanomaly**  
C47F3D

**Deuteranomaly**  
D27A2A

**Tritanomaly**  
FF594D

# Monochromacy



**Original Color**  
FF5B33

**Achromatopsia**  
878787

**Achromatomaly**  
B37768

# CSS Examples

## Text

The CSS property to change the color of the text to Hex FF5B33 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 #FF5B33 looks like.

```
.text, #text, p{  
  color:#FF5B33  
}
```

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 #FF5B33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF5B33
}
```

## Border

The CSS property to change the border of an element to Hex FF5B33 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".

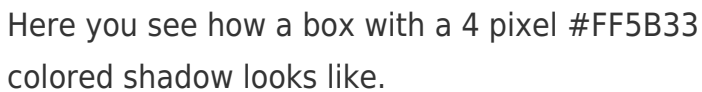
```
.border, #border, table{ border:4px solid
#FF5B33 }
```

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

```
.border{ border-color:#FF5B33 }
```

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

Here you see how a box with a 4 pixel #FF5B33 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF5B33; -webkit-box-shadow:4px 4px  
4px 4px #FF5B33; box-shadow:4px 4px 4px  
4px #FF5B33 }
```

# Background

The CSS property to change the background color of an element to Hex FF5B33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF5B33 }
```

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

```
.background{ background-color:#FF5B33 }
```

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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