

# Converting Colors

Hex(FB5B00)

Have a look what the booklet for  
Hex(FB5B00) contains.

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**Color**

**Hex(FB5B00)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FB5B00
RGB	251, 91, 0
RGB Percent	98%, 36%, 0%
CMY	0.0157, 0.6431, 1.0000
CMYK	0.00, 0.64, 1.00, 0.02
HSL	22°, 100%, 49%
HSV	22°, 100%, 98%
XYZ	43.5247, 27.9914, 3.1089
YIQ	128.4660, 124.5710, 5.6190

# Conversions

## Conversions Part 2

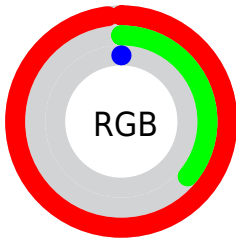
<b>Format</b>	<b>Color</b>
<b>RYB</b>	251, 143, 0
Decimal	16472832
CIELab	59.88, 58.32, 69.70
CIElCh	60, 90.881, 50.081
Yxy	27.9914, 0.5832, 0.3751
Android (android.graphics.Color)	4294662912 (0xFFFB5B00)
YUV	128.4660, -63.3337, 107.4623
Hunter-Lab	52.9069, 54.2589, 33.5509

# Details

The Hex color **FB5B00** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **00A0FB**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **FF9342**, and **B91D00** is the 20% darker color. If you saturate the color by 10%, you get **FB5B00**, and if you desaturate by 10%, it is **FB6B19**.

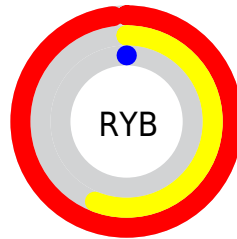
# Distribution



Red (98%)

Green (36%)

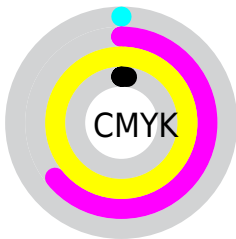
Blue (0%)



Red (98%)

Yellow (56%)

Blue (0%)

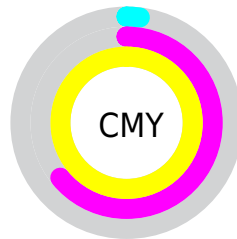


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (64%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FB5B00 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 FB5B00 by changing the saturation by 10% instead.



 FB5B00

 FB5B00

FFFFFF

 DA3E00

 FF9342

 B91D00

 FFAF5D

 990000

 FFCC78

 790000

 FFE993

 5B0000

 FFFF4F

 3F0003

 FFFF4B

 1C0001

 FFFF48

 000000

 FB5B00

 FB6B19

 FB7B32

 FB8B4B

 FB9B64

 FBAB7E

 FB BB97

 FBCBB0

 FBDBC9

 FBEBE2

# Harmonies

## Analogous

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



FF1F5F



FB5B00



C58400

# Triad

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



FB5B00



00B072



2487FF

# Complementary

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



FB5B00



00A0FB

# 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.



00A2FF



FB5B00



00B2C5

# Square

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



FB5B00



00AA0F



00AFFF



D35AF8

# Rectangle

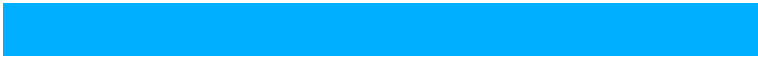
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



FB5B00



979600



00AFFF



0092FF



# Sweetspot

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



FB5B00



FFCEB3



FB00A3



806252



000000



808080



# Same Dimension

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



FB5B00



FF5C00



FBD500



7D7570



BD4400



3D1600



# Inverse Universe

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



00A0FB



00A3FF



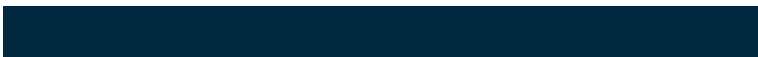
0026FB



70787D



0078BD



00273D



# Previews

## White Background



This preview shows how the Hex color FB5B00 looks on a white background.

## Color Contrast Check

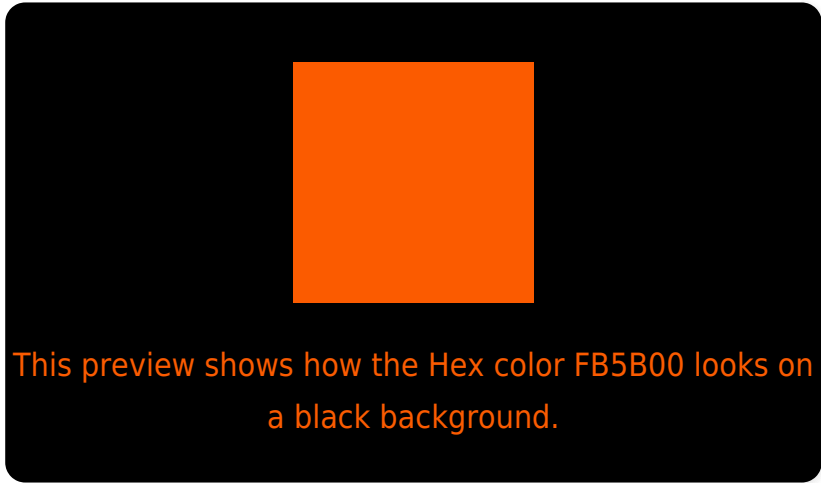
Large Text (above 18pt) WCAG AA ✓ Pass

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 FB5B00 Background



This preview shows how black text looks on a background with the Hex color FB5B00.



This preview shows how white text looks on a background with the Hex color FB5B00.

# 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



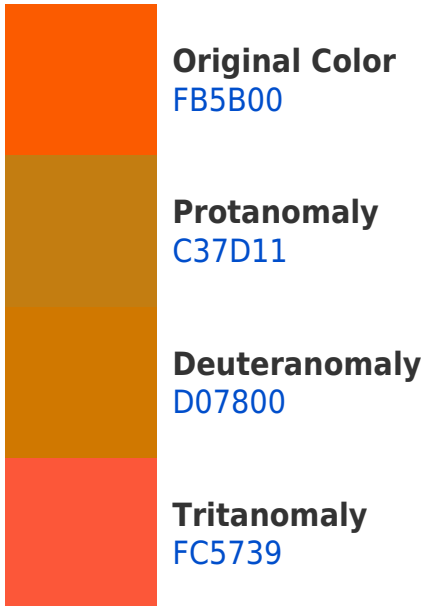
**Original Color**  
FB5B00

**Protanopia**  
A3911A

**Deuteranopia**  
B78900



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex FB5B00 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 #FB5B00 looks like.

```
.text, #text, p{  
    color:#FB5B00  
}
```

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 #FB5B00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FB5B00
}
```

## Border

The CSS property to change the border of an element to Hex FB5B00 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
#FB5B00 }
```

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

```
.border{ border-color:#FB5B00 }
```

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

Here you see how a box with a 4 pixel #FB5B00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FB5B00; -webkit-box-shadow:4px 4px  
4px 4px #FB5B00; box-shadow:4px 4px 4px  
4px #FB5B00 }
```

# Background

The CSS property to change the background color of an element to Hex FB5B00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FB5B00 }
```

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

```
.background{ background-color:#FB5B00 }
```

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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