

# Converting Colors

Hex(F50016)

Have a look what the booklet for  
Hex(F50016) contains.

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**Color**

**Hex(F50016)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F50016
RGB	245, 0, 22
RGB Percent	96%, 0%, 9%
CMY	0.0392, 1.0000, 0.9137
CMYK	0.00, 1.00, 0.91, 0.04
HSL	355°, 100%, 48%
HSV	355°, 100%, 96%
XYZ	37.8010, 19.4704, 2.5249
YIQ	75.7630, 138.9580, 58.7820

# Conversions

## Conversions Part 2

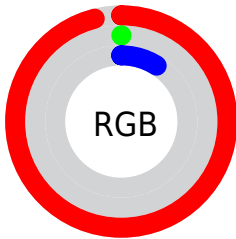
Format	Color
<b>RYB</b>	245, 0, 22
Decimal	16056342
CIELab	51.23, 77.90, 58.89
CIELCh	51, 97.653, 37.086
Yxy	19.4704, 0.6322, 0.3256
Android (android.graphics.Color)	4294246422 (0xFFFF50016)
YUV	75.7630, -26.5052, 148.4208
Hunter-Lab	44.1253, 75.6972, 27.4951

# Details

The Hex color **F50016** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **00F5DF**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **FF5E47**, and **B20000** is the 20% darker color. If you saturate the color by 10%, you get **F50016**, and if you desaturate by 10%, it is **F5182C**.

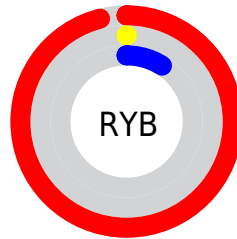
# Distribution



Red (96%)

Green (0%)

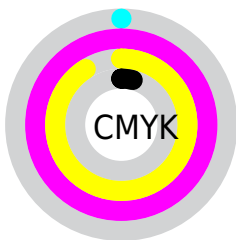
Blue (9%)



Red (96%)

Yellow (0%)

Blue (9%)

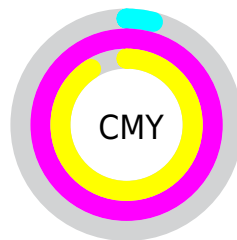


Cyan (0%)

Magenta (100%)

Yellow (91%)

Black (4%)



Cyan (4%)

Magenta (100%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color F50016 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 F50016 by changing the saturation by 10% instead.



 F50016

 F50016

FFFFFF

 D30000

 FF5E47

 B20000

 FF7E60

 910000

 FF9C7A

 710002

 FFBA94

 520004

 FFD8AF

 320002

 FFF7CB

 000000

 FFFFE7

 F50016

 F5182C

 F53143

 F54A59

 F5626F

 F57B86

 F5939C

 F5ABB2

 F5C4C8

 F5DDDF

# Harmonies

## Analogous

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



FF006B



F50016



C75B00

# Triad

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



F50016



009732



0080FF

# Complementary

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



F50016



00F5DF

# 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.



0094FF



F50016



009A8D

# Square

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



F50016



018F00



009ADE



8956FF

# Rectangle

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



F50016



9C7500



009ADE



0089FF



# Sweetspot

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



F50016



FFB3B9



DD00F5



805256



000000



808080



# Same Dimension

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



F50016



FF0017



F56200



7A6E6F



BA0011



3B0005



# Inverse Universe

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



F50016



FF0017



0093F5



7A6E6F



BA0011



3B0005



# Previews

## White Background



This preview shows how the Hex color F50016 looks on a white background.

## Color Contrast Check

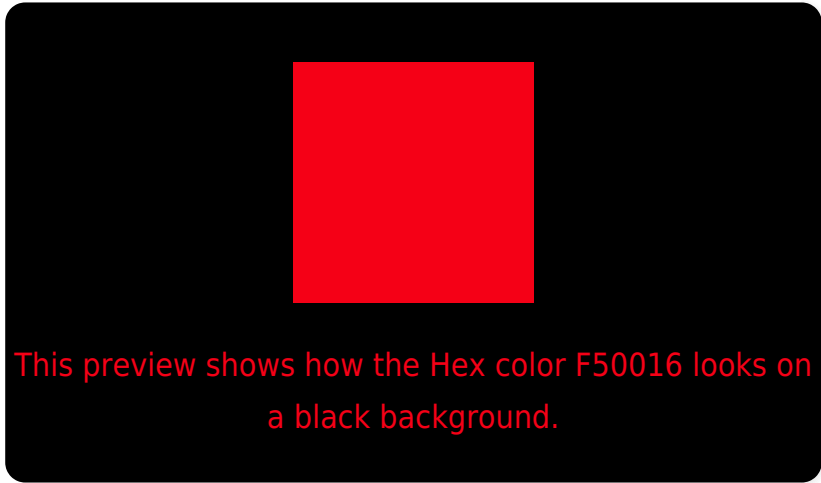
Large Text (above 18pt) WCAG AA ✓ Pass

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 F50016 Background



This preview shows how black text looks on a background with the Hex color F50016.



This preview shows how white text looks on a background with the Hex color F50016.

# 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**  
F50016

**Protanopia**  
8A7C2B

**Deuteranopia**  
9C7500



**Tritanopia**  
F31700

# Trichromacy



**Original Color**  
F50016



**Protanomaly**  
B14F23



**Deuteranomaly**  
BC4A08



**Tritanomaly**  
F40F08

# Monochromacy



**Original Color**  
F50016



**Achromatopsia**  
4C4C4C



**Achromatomaly**  
893038

# CSS Examples

## Text

The CSS property to change the color of the text to Hex F50016 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 #F50016 looks like.

```
.text, #text, p{  
    color:#F50016  
}
```

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 #F50016 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F50016
}
```

## Border

The CSS property to change the border of an element to Hex F50016 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".

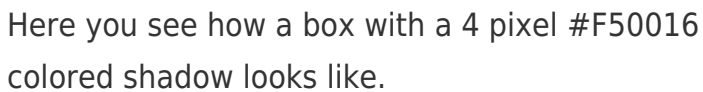
```
.border, #border, table{ border:4px solid
#F50016 }
```

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

```
.border{ border-color:#F50016 }
```

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

Here you see how a box with a 4 pixel #F50016 colored shadow looks like.

A rectangular box with a thick red border and a red shadow. The shadow is cast to the right and bottom of the box, matching the red color of the border.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F50016; -webkit-box-shadow:4px 4px  
4px 4px #F50016; box-shadow:4px 4px 4px  
4px #F50016 }
```

# Background

The CSS property to change the background color of an element to Hex F50016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F50016 }
```

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

```
.background{ background-color:#F50016 }
```

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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