

# Converting Colors

Hex(F50F0F)

Have a look what the booklet for  
Hex(F50F0F) contains.

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# Color

**Hex(F50F0F)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F50F0F
RGB	245, 15, 15
RGB Percent	96%, 6%, 6%
CMY	0.0392, 0.9412, 0.9412
CMYK	0.00, 0.94, 0.94, 0.04
HSL	0°, 92%, 51%
HSV	0°, 94%, 96%
XYZ	37.9132, 19.7886, 2.2733
YIQ	83.7700, 137.0800, 48.7600

# Conversions

## Conversions Part 2

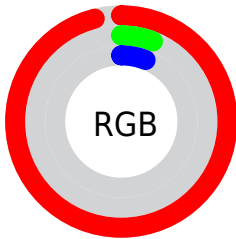
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 15, 15
Decimal	16060175
CIE Lab	51.60, 76.69, 61.48
CIE LCh	52, 98.291, 38.715
Yxy	19.7886, 0.6321, 0.3299
Android (android.graphics.Color)	4294250255 (0xFFFF50F0F)
YUV	83.7700, -33.9036, 141.3987
Hunter-Lab	44.4844, 74.2846, 28.1092

# Details

The Hex color **F50F0F** 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 **0FF5F5**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **FF6242**, and **B20000** is the 20% darker color. If you saturate the color by 10%, you get **F50000**, and if you desaturate by 10%, it is **F52828**.

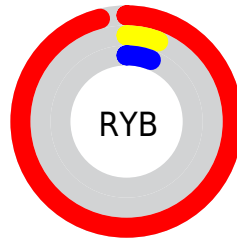
# Distribution



Red (96%)

Green (6%)

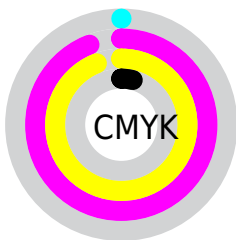
Blue (6%)



Red (96%)

Yellow (6%)

Blue (6%)

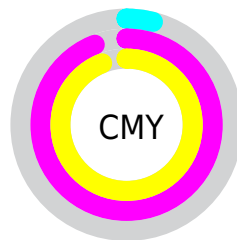


Cyan (0%)

Magenta (94%)

Yellow (94%)

Black (4%)



Cyan (4%)

Magenta (94%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Hex color F50F0F 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 F50F0F by changing the saturation by 10% instead.



 F50F0F

 F50F0F

FFFFFF

 D30000

 FF6242

 B20000

 FF805C

 910000

 FF9F75

 710001

 FFBD90

 520004

 FFDBAB

 320002

 FFF9C6

 000000

 FFFF E3

 F50F0F

 F50F0F

 F50000

 F52828

 F54040

 F55959

 F57171

 F58A8A

 F5A2A2

 F5BBBB

 F5D3D3

 F5ECEC

# Harmonies

## Analogous

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



FF0067



F50F0F



C55F00

# Triad

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



F50F0F



009838



0080FF

# Complementary

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



F50F0F



0FF5F5

# 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.



0095FF



F50F0F



009B92

# Square

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



F50F0F



009100



009CE4



9254FF

# Rectangle

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



F50F0F



997700



009CE4



0089FF



# Sweetspot

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



F50F0F



FFB8B8



F50FF5



805454



000000



808080



# Same Dimension

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



F50F0F



FF0000



F5820F



7A6E6E



BA0000



3B0000



# Inverse Universe

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



0FF5F5



00FFFF



0F82F5



6E7A7A



00BABA



003B3B



# Previews

## White Background



This preview shows how the Hex color F50F0F looks on a white background.

## Color Contrast Check

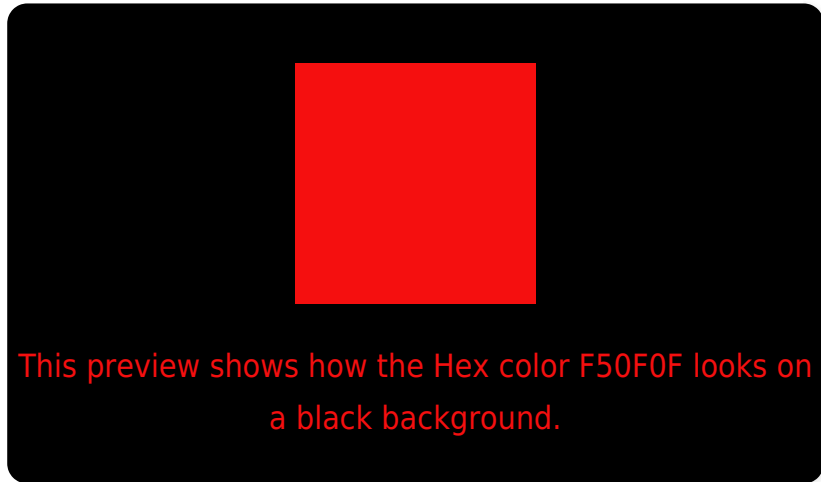
Large Text (above 18pt) WCAG AA ✓ Pass

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 F50F0F Background



This preview shows how black text looks on a background with the Hex color F50F0F.



This preview shows how white text looks on a background with the Hex color F50F0F.

# 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**  
F50F0F

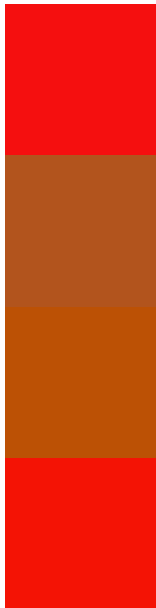
**Protanopia**  
8B7C25

**Deuteranopia**  
9C7600



**Tritanopia**  
F41600

# Trichromacy



**Original Color**  
F50F0F

**Protanomaly**  
B2541D

**Deuteranomaly**  
BC5105

**Tritanomaly**  
F41305

# Monochromacy



**Original Color**  
F50F0F

**Achromatopsia**  
545454

**Achromatomaly**  
8F3B3B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex F50F0F 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 #F50F0F looks like.

```
.text, #text, p{  
    color:#F50F0F  
}
```

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 #F50F0F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F50F0F
}
```

## Border

The CSS property to change the border of an element to Hex F50F0F is called "border". The border property can be set on classes, ids or directly on the HTML element.

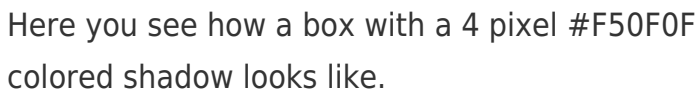
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#F50F0F }
```

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

```
.border{ border-color:#F50F0F }
```

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



Here you see how a box with a 4 pixel #F50F0F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F50F0F; -webkit-box-shadow:4px 4px  
4px 4px #F50F0F; box-shadow:4px 4px 4px  
4px #F50F0F }
```

# Background

The CSS property to change the background color of an element to Hex F50F0F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F50F0F }
```

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

```
.background{ background-color:#F50F0F }
```

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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