

# Converting Colors

Hex(F20007)

Have a look what the booklet for  
Hex(F20007) contains.

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**Color**

**Hex(F20007)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F20007
RGB	242, 0, 7
RGB Percent	95%, 0%, 3%
CMY	0.0510, 1.0000, 0.9725
CMYK	0.00, 1.00, 0.97, 0.05
HSL	358°, 100%, 47%
HSV	358°, 100%, 95%
XYZ	36.6563, 18.8926, 1.9156
YIQ	73.1560, 141.9850, 53.4810

# Conversions

## Conversions Part 2

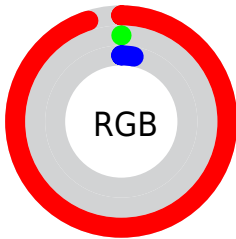
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 0, 7
Decimal	15859719
CIE Lab	50.56, 77.05, 62.74
CIE LCh	51, 99.363, 39.158
Yxy	18.8926, 0.6379, 0.3288
Android (android.graphics.Color)	4294049799 (0xFFFF20007)
YUV	73.1560, -32.6149, 148.0762
Hunter-Lab	43.4656, 74.4715, 27.8129

# Details

The Hex color **F20007** 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 **00F2EB**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **FF5E3D**, and **AF0000** is the 20% darker color. If you saturate the color by 10%, you get **F20007**, and if you desaturate by 10%, it is **F2181E**.

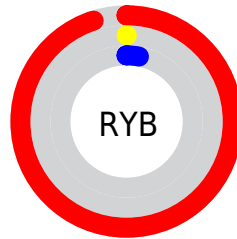
# Distribution



Red (95%)

Green (0%)

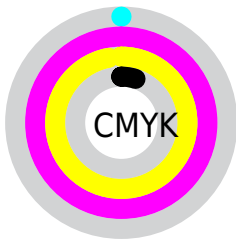
Blue (3%)



Red (95%)

Yellow (0%)

Blue (3%)

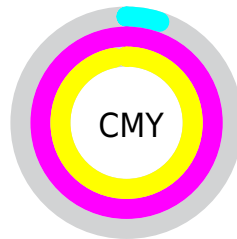


Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (5%)



Cyan (5%)

Magenta (100%)

Yellow (97%)

# Brightness & Saturation Gradients

These gradients show how the Hex color F20007 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 F20007 by changing the saturation by 10% instead.



 F20007

 F20007

 FFFFFFFA

 D00000

 FF5E3D

 AF0000

 FF7D56

 8E0000

 FF9B70

 6E0002

 FFB98A

 500004

 FFD7A5

 2F0002

 FFF5C1

 000000

 FFFFDD

 F20007

 F2181E

 F23036

 F2494E

 F26165

 F2797C

 F29194

 F2A9AB

 F2C2C3

 F2DADB

# Harmonies

## Analogous

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



FF0063



F20007



C15C00

# Triad

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



F20007



009636



007DFF

# Complementary

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



F20007



00F2EB

# 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.



0092FF



F20007



009991

# Square

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



F20007



008E00



0099E3



9150FE

# Rectangle

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



F20007



957500



0099E3



0086FF



# Sweetspot

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



F20007



FFB3B5



EA00F2



805253



000000



808080



# Same Dimension

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



F20007



FF0007



F27100



786C6C



B80005



380002



# Inverse Universe

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



F20007



FF0007



0081F2



786C6C



B80005



380002



# Previews

## White Background



This preview shows how the Hex color F20007 looks on a white background.

## Color Contrast Check

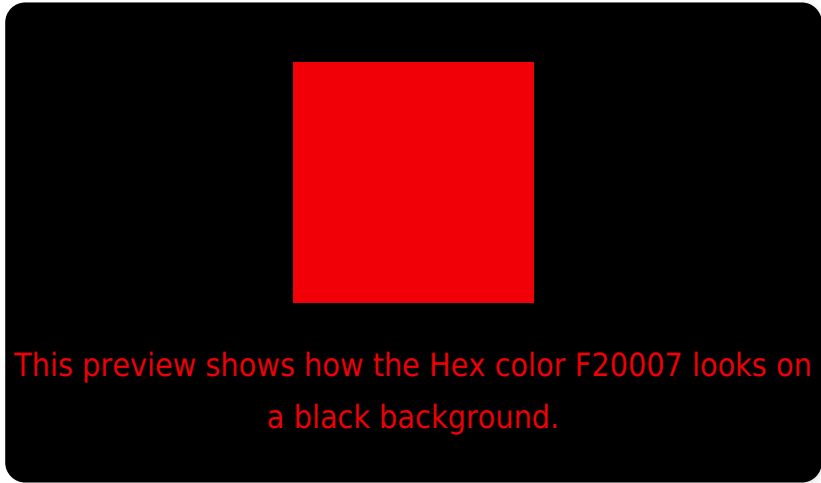
Large Text (above 18pt) WCAG AA ✓ Pass

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 F20007 Background



This preview shows how black text looks on a background with the Hex color F20007.



This preview shows how white text looks on a background with the Hex color F20007.

# 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**  
F20007

**Protanopia**  
897A20

**Deuteranopia**  
9A7400



**Tritanopia**  
F01600

# Trichromacy



**Original Color**  
F20007



**Protanomaly**  
AF4E17



**Deuteranomaly**  
BA4A03



**Tritanomaly**  
F10E03

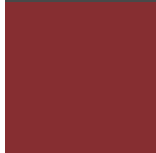
# Monochromacy



**Original Color**  
F20007



**Achromatopsia**  
494949



**Achromatomaly**  
862E31

# CSS Examples

## Text

The CSS property to change the color of the text to Hex F20007 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 #F20007 looks like.

```
.text, #text, p{  
    color:#F20007  
}
```

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 #F20007 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F20007
}
```

## Border

The CSS property to change the border of an element to Hex F20007 is called "border". The border property can be set on classes, ids or directly on the HTML element.

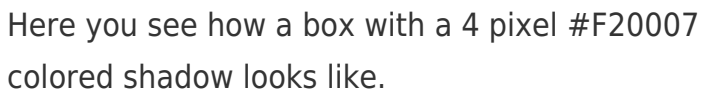
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#F20007 }
```

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

```
.border{ border-color:#F20007 }
```

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



Here you see how a box with a 4 pixel #F20007 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F20007; -webkit-box-shadow:4px 4px  
4px 4px #F20007; box-shadow:4px 4px 4px  
4px #F20007 }
```

# Background

The CSS property to change the background color of an element to Hex F20007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F20007 }
```

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

```
.background{ background-color:#F20007 }
```

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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