

# Converting Colors

Hex(F20000)

Have a look what the booklet for  
Hex(F20000) contains.

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**Color**

**Hex(F20000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F20000
RGB	242, 0, 0
RGB Percent	95%, 0%, 0%
CMY	0.0510, 1.0000, 1.0000
CMYK	0.00, 1.00, 1.00, 0.05
HSL	0°, 100%, 47%
HSV	0°, 100%, 95%
XYZ	36.6179, 18.8772, 1.7137
YIQ	72.3580, 144.2320, 51.3040

# Conversions

## Conversions Part 2

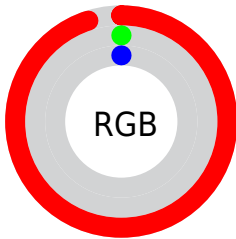
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	242, 0, 0
Decimal	15859712
CIE Lab	50.54, 77.00, 64.61
CIE LCh	51, 100.513, 40.000
Yxy	18.8772, 0.6401, 0.3300
Android (android.graphics.Color)	4294049792 (0xFFFF20000)
YUV	72.3580, -35.6725, 148.7760
Hunter-Lab	43.4480, 74.4059, 28.0750

# Details

The Hex color **F20000** 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 **00F2F2**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **FF5E39**, and **AF0000** is the 20% darker color. If you saturate the color by 10%, you get **F20000**, and if you desaturate by 10%, it is **F21818**.

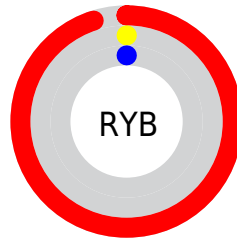
# Distribution



Red (95%)

Green (0%)

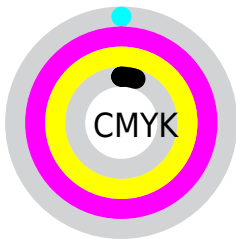
Blue (0%)



Red (95%)

Yellow (0%)

Blue (0%)

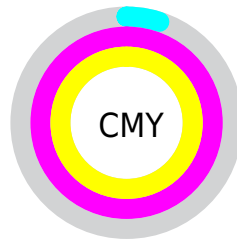


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (100%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color F20000 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 F20000 by changing the saturation by 10% instead.



 F20000

 F20000

 FFFFFFF6

 D00000

 FF5E39

 AF0000

 FF7D52

 8E0000

 FF9B6C

 6D0002


 FFB986

 500004

 FFD7A1

 2F0002

 FFF5BD

 000000

 FFFFD9

 F20000

 F21818

 F23030

 F24949

 F26161

 F27979

 F29191

 F2A9A9

 F2C2C2

 F2DADA

# Harmonies

## Analogous

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



FF0060



F20000



C05D00

# Triad

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



F20000



009638



007CFF

# Complementary

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



F20000



00F2F2

# 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



F20000



009994

# Square

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



F20000



008F00



0099E6



954DFE

# Rectangle

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



F20000



937600



0099E6



0086FF



# Sweetspot

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



F20000



FFB3B3



F200F2



805252



000000



808080



# Same Dimension

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



F20000



FF0000



F27900



786C6C



B80000



380000



# Inverse Universe

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



00F2F2



00FFFF



0079F2



6C7878



00B8B8



003838



# Previews

## White Background



This preview shows how the Hex color F20000 looks on a white background.

## Color Contrast Check

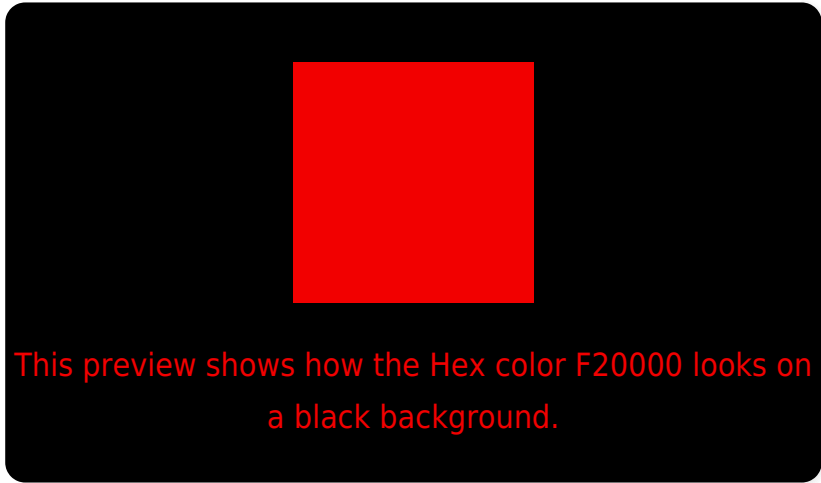
Large Text (above 18pt) WCAG AA ✓ Pass

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 F20000 Background



This preview shows how black text looks on a background with the Hex color F20000.



This preview shows how white text looks on a background with the Hex color F20000.

# 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**  
F20000

**Protanopia**  
897A1F

**Deuteranopia**  
9A7400



**Tritanopia**  
F01600

# Trichromacy



**Original Color**  
F20000



**Protanomaly**  
AF4E14



**Deuteranomaly**  
BA4A00



**Tritanomaly**  
F10E00

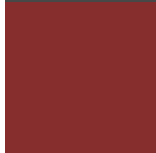
# Monochromacy



**Original Color**  
F20000



**Achromatopsia**  
484848



**Achromatomaly**  
862E2E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex F20000 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 #F20000 looks like.

```
.text, #text, p{  
    color:#F20000  
}
```

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 #F20000 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F20000
}
```

## Border

The CSS property to change the border of an element to Hex F20000 is called "border". The border property can be set on classes, ids or directly on the HTML element.

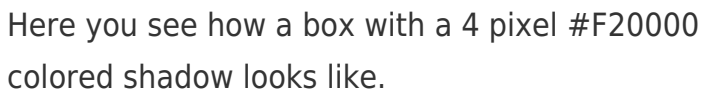
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#F20000 }
```

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

```
.border{ border-color:#F20000 }
```

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



Here you see how a box with a 4 pixel #F20000 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F20000; -webkit-box-shadow:4px 4px  
4px 4px #F20000; box-shadow:4px 4px 4px  
4px #F20000 }
```

# Background

The CSS property to change the background color of an element to Hex F20000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F20000 }
```

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

```
.background{ background-color:#F20000 }
```

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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