

# Converting Colors

Hex(F8002B)

Have a look what the booklet for  
Hex(F8002B) contains.

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**Color**

**Hex(F8002B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8002B
RGB	248, 0, 43
RGB Percent	97%, 0%, 17%
CMY	0.0275, 1.0000, 0.8314
CMYK	0.00, 1.00, 0.83, 0.03
HSL	350°, 100%, 49%
HSV	350°, 100%, 97%
XYZ	39.1474, 20.1309, 4.1078
YIQ	79.0540, 134.0050, 65.9490

# Conversions

## Conversions Part 2

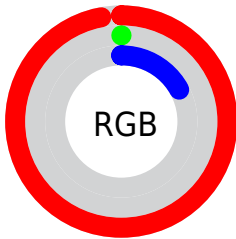
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 0, 43
Decimal	16252971
CIE Lab	51.98, 78.97, 50.14
CIE LCh	52, 93.546, 32.409
Yxy	20.1309, 0.6176, 0.3176
Android (android.graphics.Color)	4294443051 (0xFFFF8002B)
YUV	79.0540, -17.7746, 148.1656
Hunter-Lab	44.8674, 77.2256, 25.9789

# Details

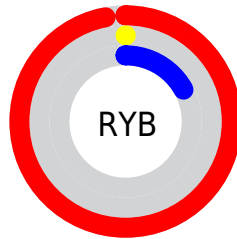
The Hex color **F8002B** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **00F8CD**, and the grayscale version is **4F4F4F**.

A 20% lighter version of the original color is **FF5F5A**, and **B50000** is the 20% darker color. If you saturate the color by 10%, you get **F8002B**, and if you desaturate by 10%, it is **F8193F**.

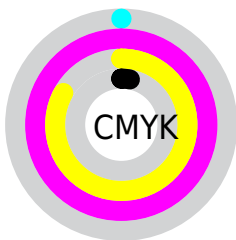
# Distribution



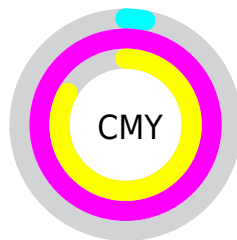
- Red (97%)
- Green (0%)
- Blue (17%)



- Red (97%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (3%)



- Cyan (3%)
- Magenta (100%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color F8002B 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 F8002B by changing the saturation by 10% instead.



 F8002B

 F8002B

FFFFFF

 D70015

 FF5F5A

 B50000

 FF7F73

 940000

 FF9D8D

 740002

 FFBCA8

 550004

 FFDAC3

 350002

 FFF8DF

 030000

 FFFFFC

 000000

 F8002B

 F8193F

 F83254

 F84A68

 F8637D

 F87C91

 F895A6

 F8AEBA

 F8C6CF

 F8DFE3

# Harmonies

## Analogous

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



FF0079



F8002B



CF5800

# Triad

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



F8002B



009728



0086FF

# Complementary

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



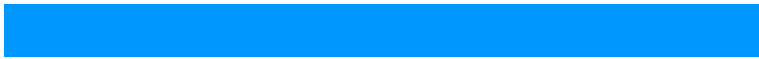
F8002B



00F8CD

# 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.



0097FF



F8002B



009B81

# Square

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



F8002B



388E00



009CD1



7462FF

# Rectangle

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



F8002B



A87200



009CD1



008DFF



# Sweetspot

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



F8002B



FFB3C0



CB00F8



80525A



000000



808080



# Same Dimension

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



F8002B



FF002C



F84F00



7D7073



BD0021



3D000B



# Inverse Universe

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



F8002B



FF002C



00A9F8



7D7073



BD0021



3D000B



# Previews

## White Background



This preview shows how the Hex color F8002B looks on a white background.

## Color Contrast Check

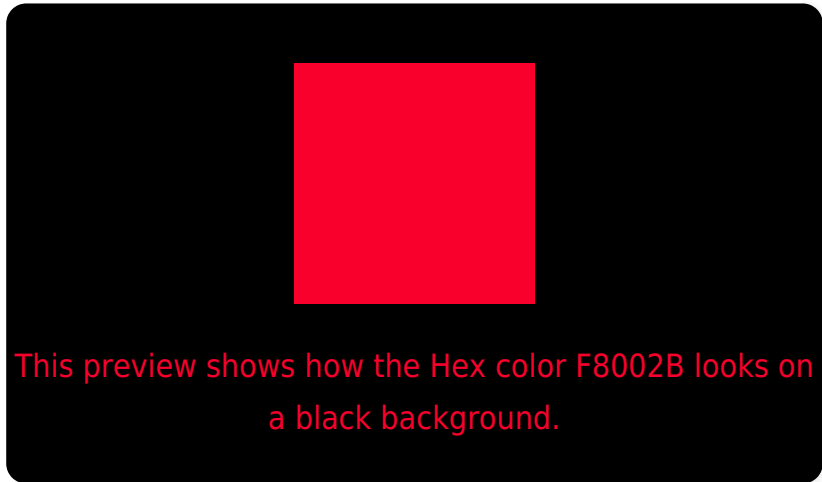
Large Text (above 18pt) WCAG AA ✓ Pass

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 F8002B Background



This preview shows how black text looks on a background with the Hex color F8002B.



This preview shows how white text looks on a background with the Hex color F8002B.

# 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**  
F8002B

**Protanopia**  
8A7E44

**Deuteranopia**  
9E7713



**Tritanopia**  
F71600

# Trichromacy



**Original Color**  
F8002B



**Protanomaly**  
B2503B



**Deuteranomaly**  
BF4C1C



**Tritanomaly**  
F70E10

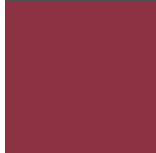
# Monochromacy



**Original Color**  
F8002B



**Achromatopsia**  
4F4F4F



**Achromatomaly**  
8C3242

# CSS Examples

## Text

The CSS property to change the color of the text to Hex F8002B 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 #F8002B looks like.

```
.text, #text, p{  
    color:#F8002B  
}
```

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 #F8002B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F8002B
}
```

## Border

The CSS property to change the border of an element to Hex F8002B is called "border". The border property can be set on classes, ids or directly on the HTML element.

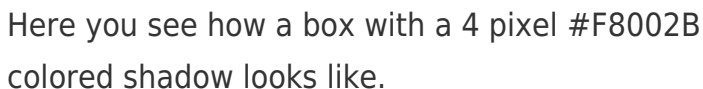
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#F8002B }
```

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

```
.border{ border-color:#F8002B }
```

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



Here you see how a box with a 4 pixel #F8002B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F8002B; -webkit-box-shadow:4px 4px  
4px 4px #F8002B; box-shadow:4px 4px 4px  
4px #F8002B }
```

# Background

The CSS property to change the background color of an element to Hex F8002B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F8002B }
```

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

```
.background{ background-color:#F8002B }
```

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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