

# Converting Colors

Hex(FB4000)

Have a look what the booklet for  
Hex(FB4000) contains.

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**Color**

**Hex(FB4000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB4000
RGB	251, 64, 0
RGB Percent	98%, 25%, 0%
CMY	0.0157, 0.7490, 1.0000
CMYK	0.00, 0.75, 1.00, 0.02
HSL	15°, 100%, 49%
HSV	15°, 100%, 98%
XYZ	41.6171, 24.1760, 2.4730
YIQ	112.6170, 131.9960, 19.7400

# Conversions

## Conversions Part 2

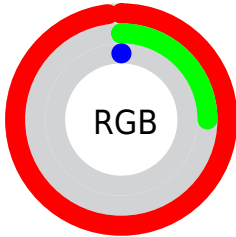
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 86, 0
Decimal	16465920
CIE <sub>Lab</sub>	56.26, 68.20, 67.95
CIE <sub>LCh</sub>	56, 96.272, 44.898
Yxy	24.1760, 0.6096, 0.3541
Android (android.graphics.Color)	4294656000 (0xFFFB4000)
YUV	112.6170, -55.5202, 121.3619
Hunter-Lab	49.1691, 65.0376, 31.4364

# Details

The Hex color **FB4000** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **00BBFB**, and the grayscale version is **717171**.

A 20% lighter version of the original color is **FF7C3F**, and **B80000** is the 20% darker color. If you saturate the color by 10%, you get **FB4000**, and if you desaturate by 10%, it is **FB5319**.

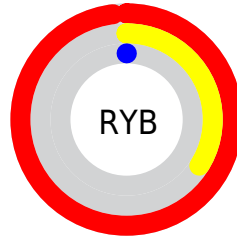
# Distribution



Red (98%)

Green (25%)

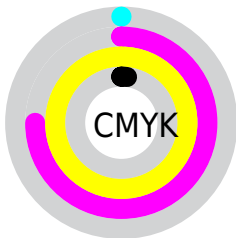
Blue (0%)



Red (98%)

Yellow (34%)

Blue (0%)

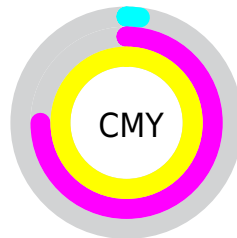


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (75%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FB4000 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 FB4000 by changing the saturation by 10% instead.



 FB4000

 FB4000

FFFFFF

 DA1900

 FF7C3F

 B80000

 FF9A59

 980000

 FFB773

 780000

 FFD48E

 580002

 FFF2A9

 3B0002

 FFFFC5

 140000

 FFFF2E

 000000

 FB4000

 FB5319

 FB6532

 FB784B

 FB8B64

 FB9D7E

 FBB097

 FBC3B0

 FBD6C9

 FBE8E2

# Harmonies

## Analogous

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



FF0062



FB4000



C67300

# Triad

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



FB4000



00A658



0084FF

# Complementary

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



FB4000



00BBFB

# 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.



009DFF



FB4000



00A9B0

# Square

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



FB4000



009F00



00A7FD



BA55FF

# Rectangle

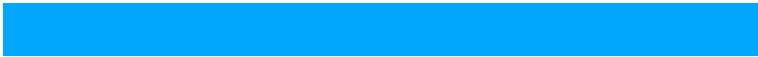
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



FB4000



988800



00A7FD



008FFF



# Sweetspot

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



FB4000



FFC6B3



FB00BC



805D52



000000



808080



# Same Dimension

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



FB4000



FF4100



FBBC00



7D7470



BD3000



3D1000



# Inverse Universe

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



00BBFB



00BEFF



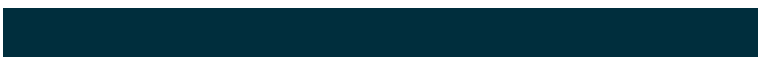
003FFB



707A7D



008DBD



002E3D



# Previews

## White Background



This preview shows how the Hex color FB4000 looks on a white background.

## Color Contrast Check

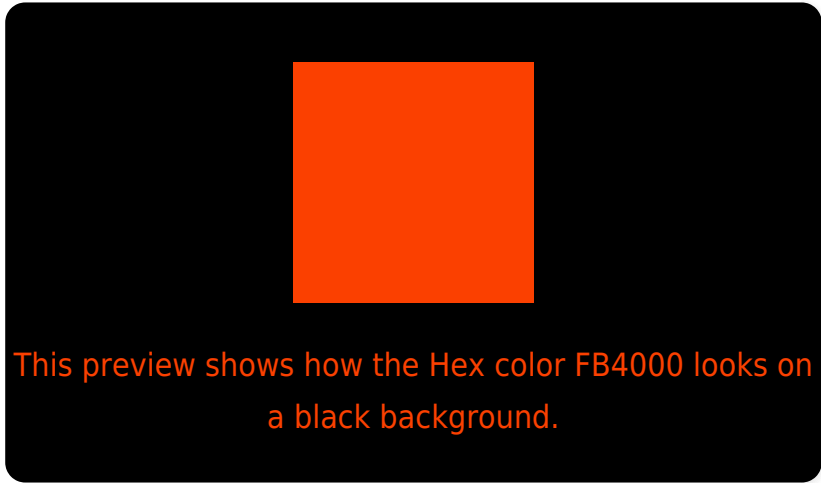
Large Text (above 18pt) WCAG AA ✓ Pass

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 FB4000 Background



This preview shows how black text looks on a background with the Hex color FB4000.

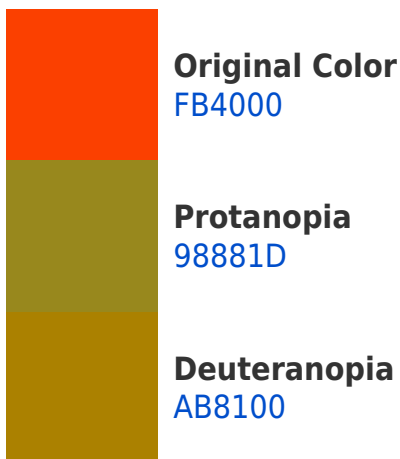


This preview shows how white text looks on a background with the Hex color FB4000.

# Color Blindness Simulation

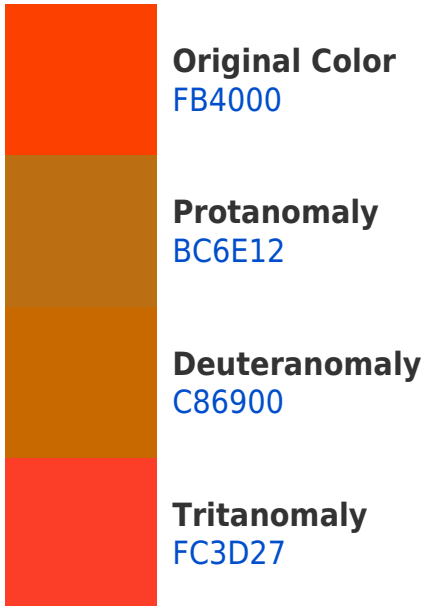
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex FB4000 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 #FB4000 looks like.

```
.text, #text, p{  
    color:#FB4000  
}
```

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 #FB4000 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FB4000
}
```

## Border

The CSS property to change the border of an element to Hex FB4000 is called "border". The border property can be set on classes, ids or directly on the HTML element.

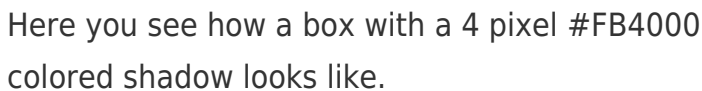
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#FB4000 }
```

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

```
.border{ border-color:#FB4000 }
```

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



Here you see how a box with a 4 pixel #FB4000 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FB4000; -webkit-box-shadow:4px 4px  
4px 4px #FB4000; box-shadow:4px 4px 4px  
4px #FB4000 }
```

# Background

The CSS property to change the background color of an element to Hex FB4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FB4000 }
```

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

```
.background{ background-color:#FB4000 }
```

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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