

# Converting Colors

Hex(FF5201)

Have a look what the booklet for  
Hex(FF5201) contains.

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**Color**

**Hex(F5201)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5201
RGB	255, 82, 1
RGB Percent	100%, 32%, 0%
CMY	0.0000, 0.6784, 0.9961
CMYK	0.00, 0.68, 1.00, 0.00
HSL	19°, 100%, 50%
HSV	19°, 100%, 100%
XYZ	44.2628, 27.2968, 2.9646
YIQ	124.4930, 129.1090, 11.4850

# Conversions

## Conversions Part 2

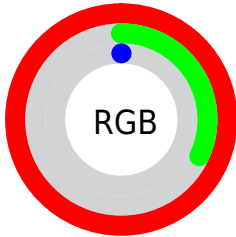
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 120, 1
Decimal	16732673
CIE Lab	59.25, 63.21, 69.57
CIE LCh	59, 93.999, 47.741
Yxy	27.2968, 0.5939, 0.3663
Android (android.graphics.Color)	4294922753 (0xFFFF5201)
YUV	124.4930, -60.8820, 114.4546
Hunter-Lab	52.2463, 59.7931, 33.2081

# Details

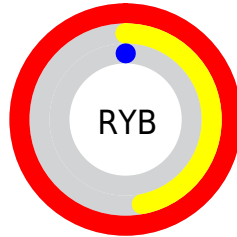
The Hex color **FF5201** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **01AEFF**, and the grayscale version is **7D7D7D**.

A 20% lighter version of the original color is **FF8B42**, and **BD0300** is the 20% darker color. If you saturate the color by 10%, you get **FF5100**, and if you desaturate by 10%, it is **FF631A**.

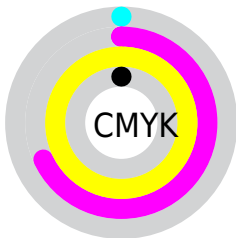
# Distribution



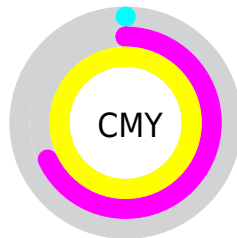
- Red (100%)
- Green (32%)
- Blue (0%)



- Red (100%)
- Yellow (47%)
- Blue (0%)



- Cyan (0%)
- Magenta (68%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (68%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FF5201 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 FF5201 by changing the saturation by 10% instead.



 FF5201

 FF5201

FFFFFF

 DE3300

 FF8B42

 BD0300

 FFA85C

 9C0000

 FFC577

 7C0000

 FFE292

 5D0000

 FFFFAE

 410003

 FFFFCA

 1F0001

 FFFF7E

 000000

 FF5201

 FF5201

■ FF5100

■ FF631A

■ FF7534

■ FF864E

■ FF9767

■ FFA981

■ FFBA9A

■ FFCCB3

■ FFDDCD

■ FFEED7

# Harmonies

## Analogous

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



FF0062



FF5201



C97F00

# Triad

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



FF5201



00AF69



0088FF

# Complementary

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



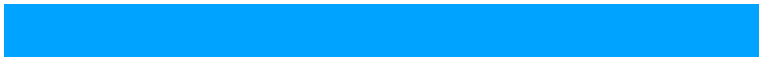
FF5201



01AEFF

# 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.



00A3FF



FF5201



00B1BF

# Square

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



FF5201



00A800



00AEFF



CB5AFF

# Rectangle

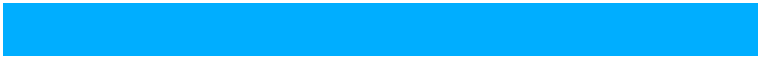
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



FF5201



9A9200



00AEFF



0093FF



# Sweetspot

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



FF5201



FFCBB3



FF01AF



806052



000000



808080



# Same Dimension

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



FF5201



FF5100



FFD001



807773



BF3D00



401400

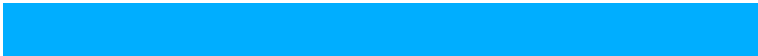


# Inverse Universe

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



01AEFF



00AEFF



0130FF



737B80



0082BF



002B40



# Previews

## White Background



This preview shows how the Hex color FF5201 looks on a white background.

## Color Contrast Check

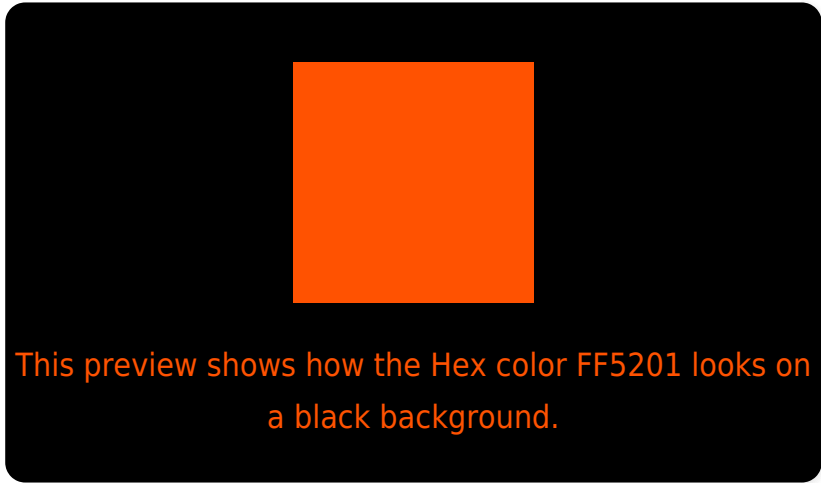
Large Text (above 18pt) WCAG AA ✓ Pass

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 FF5201 Background



This preview shows how black text looks on a background with the Hex color FF5201.



This preview shows how white text looks on a background with the Hex color FF5201.

# 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**  
FF5201

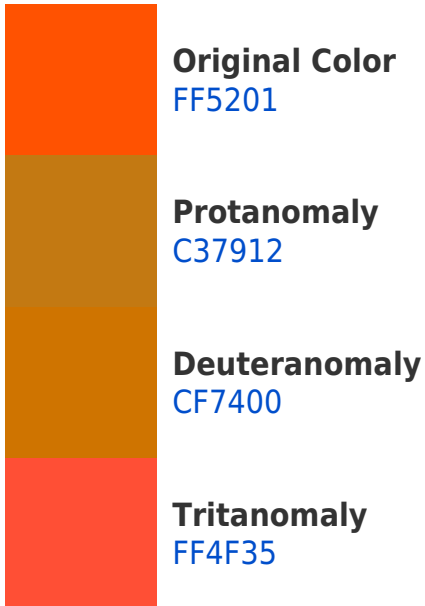
**Protanopia**  
A18F1B

**Deuteranopia**  
B48800

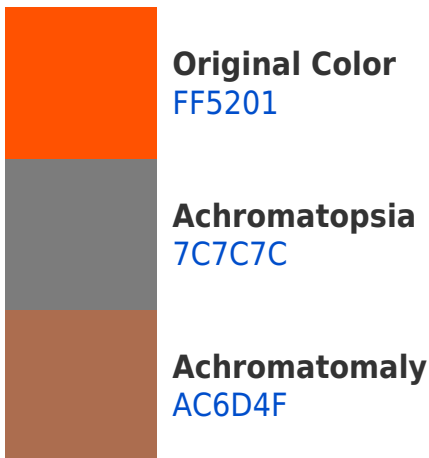


**Tritanopia**  
FF4E52

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex FF5201 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 #FF5201 looks like.

```
.text, #text, p{  
    color:#FF5201  
}
```

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 #FF5201 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF5201
}
```

## Border

The CSS property to change the border of an element to Hex FF5201 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".

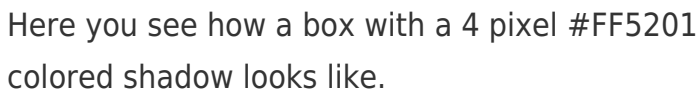
```
.border, #border, table{ border:4px solid
#FF5201 }
```

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

```
.border{ border-color:#FF5201 }
```

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

Here you see how a box with a 4 pixel #FF5201 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF5201; -webkit-box-shadow:4px 4px  
4px 4px #FF5201; box-shadow:4px 4px 4px  
4px #FF5201 }
```

# Background

The CSS property to change the background color of an element to Hex FF5201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF5201 }
```

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

```
.background{ background-color:#FF5201 }
```

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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