

# Converting Colors

Hex(FF580B)

Have a look what the booklet for  
Hex(FF580B) contains.

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**Color**

**Hex(F580B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF580B
RGB	255, 88, 11
RGB Percent	100%, 35%, 4%
CMY	0.0000, 0.6549, 0.9569
CMYK	0.00, 0.65, 0.96, 0.00
HSL	19°, 100%, 52%
HSV	19°, 96%, 100%
XYZ	44.7901, 28.2636, 3.4113
YIQ	129.1550, 124.2490, 11.4570

# Conversions

## Conversions Part 2

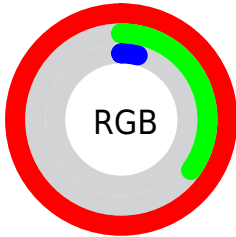
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	255, 124, 11
Decimal	16734219
CIELab	60.13, 60.96, 68.20
CIElCh	60, 91.476, 48.209
Yxy	28.2636, 0.5858, 0.3696
Android (android.graphics.Color)	4294924299 (0xFFFF580B)
YUV	129.1550, -58.2504, 110.3661
Hunter-Lab	53.1635, 57.3496, 33.4100

# Details

The Hex color **FF580B** 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 **0BB2FF**, and the grayscale version is **828282**.

A 20% lighter version of the original color is **FF9147**, and **BD1600** is the 20% darker color. If you saturate the color by 10%, you get **FF5000**, and if you desaturate by 10%, it is **FF6924**.

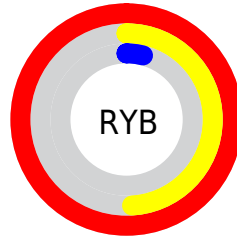
# Distribution



Red (100%)

Green (35%)

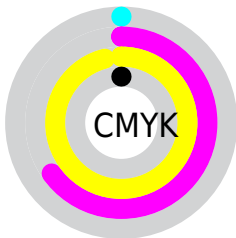
Blue (4%)



Red (100%)

Yellow (49%)

Blue (4%)

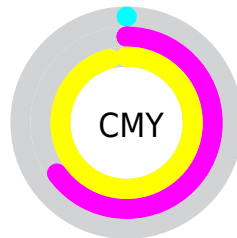


Cyan (0%)

Magenta (65%)

Yellow (96%)

Black (0%)



Cyan (0%)

Magenta (65%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FF580B 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 FF580B by changing the saturation by 10% instead.



 FF580B

 FF580B

FFFFFF

 DE3A00

 FF9147

 BD1600

 FFAD61

 9D0000

 FFCA7C

 7D0000

 FFE797

 5E0000

 FFFFB3

 420003

 FFFFCE

 200001

 FFFFEC

 000000

 FF580B

 FF580B

 FF5000

 FF6924

 FF7B3E

 FF8C58

 FF9E71

 FFAF8B

 FFC1A4

 FFD2BE

 FFE4D7

 FFF5F1

# Harmonies

## Analogous

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



FF1964



FF580B



CA8200

# Triad

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



FF580B



00B16D



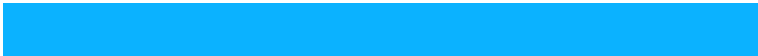
008AFF

# Complementary

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



FF580B



0BB2FF

# 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.



00A4FF



FF580B



00B3C1

# Square

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



FF580B



00AA00



00B0FF



CE5EFE

# Rectangle

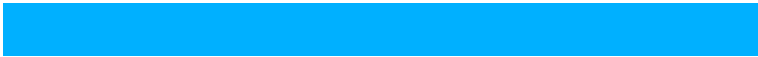
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



FF580B



9C9500



00B0FF



0095FF



# Sweetspot

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



FF580B



FFCCB5



FF0BB6



806153



000000



808080



# Same Dimension

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



FF580B



FF5000



FFCE0B



807773



BF3C00



401400



# Inverse Universe

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



0BB2FF



00AFFF



0B3CFF



737B80



0083BF



002C40



# Previews

## White Background



This preview shows how the Hex color FF580B looks on a white background.

## Color Contrast Check

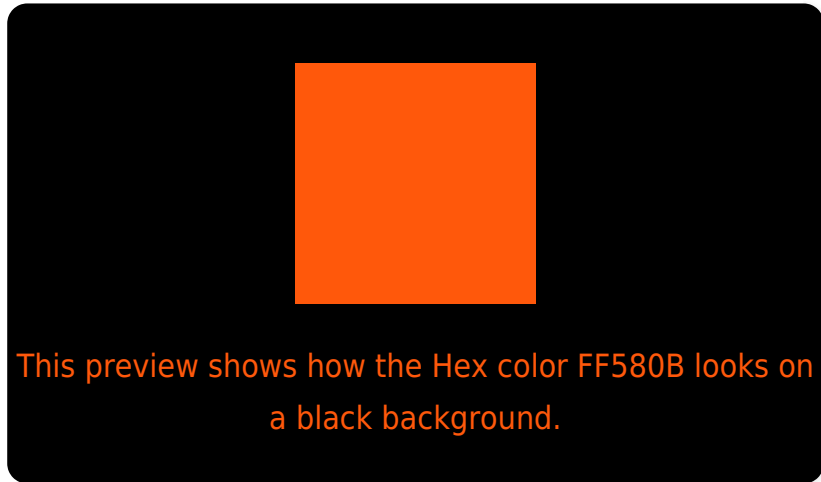
Large Text (above 18pt) WCAG AA ✓ Pass

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 FF580B Background



This preview shows how black text looks on a background with the Hex color FF580B.



This preview shows how white text looks on a background with the Hex color FF580B.

# 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**  
FF580B

**Protanopia**  
A3921D

**Deuteranopia**  
B78A00



**Tritanopia**  
FF5458

# Trichromacy



**Original Color**  
FF580B

**Protanomaly**  
C47D16

**Deuteranomaly**  
D17804

**Tritanomaly**  
FF553C

# Monochromacy



**Original Color**  
FF580B

**Achromatopsia**  
818181

**Achromatomaly**  
AF7256

# CSS Examples

## Text

The CSS property to change the color of the text to Hex FF580B 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 #FF580B looks like.

```
.text, #text, p{  
    color:#FF580B  
}
```

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 #FF580B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF580B
}
```

## Border

The CSS property to change the border of an element to Hex FF580B 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
#FF580B }
```

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

```
.border{ border-color:#FF580B }
```

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

Here you see how a box with a 4 pixel #FF580B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF580B; -webkit-box-shadow:4px 4px  
4px 4px #FF580B; box-shadow:4px 4px 4px  
4px #FF580B }
```

# Background

The CSS property to change the background color of an element to Hex FF580B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF580B }
```

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

```
.background{ background-color:#FF580B }
```

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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