

Converting Colors

Hex(FF8513)

Have a look what the booklet for
Hex(FF8513) contains.

Hex(FF8513)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(F8513)

Conversions

Conversions Part 1

Format	Color
Hex	FF8513
RGB	255, 133, 19
RGB Percent	100%, 52%, 7%
CMY	0.0000, 0.4784, 0.9255
CMYK	0.00, 0.48, 0.93, 0.00
HSL	29°, 100%, 54%
HSV	29°, 93%, 100%
XYZ	49.7451, 38.0821, 5.3448
YIQ	156.4820, 109.3060, -9.5900

Conversions

Conversions Part 2

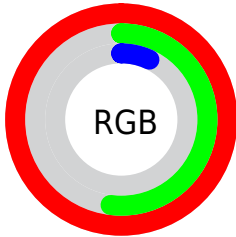
Format	Color
R _Y B	255, 240, 19
Decimal	16745747
CIE Lab	68.08, 40.52, 71.74
CIE LCh	68, 82.391, 60.540
Yxy	38.0821, 0.5339, 0.4087
Android (android.graphics.Color)	4294935827 (0xFFFF8513)
YUV	156.4820, -67.7786, 86.4003
Hunter-Lab	61.7107, 35.8954, 38.0623

Details

The Hex color **FF8513** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **138DFF**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **FFBB51**, and **BF5100** is the 20% darker color. If you saturate the color by 10%, you get **FF7B00**, and if you desaturate by 10%, it is **FF922D**.

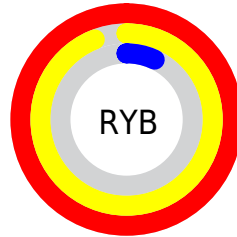
Distribution



Red (100%)

Green (52%)

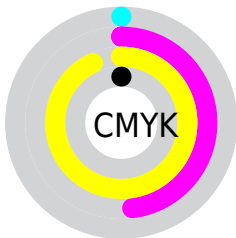
Blue (7%)



Red (100%)

Yellow (94%)

Blue (7%)

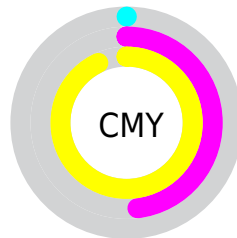


Cyan (0%)

Magenta (48%)

Yellow (93%)

Black (0%)



Cyan (0%)

Magenta (48%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Hex color FF8513 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 FF8513 by changing the saturation by 10% instead.

 FF8513

 FF8513

FFFFFF

 DF6B00

 FFBB51

 BF5100

 FFD86C

 9F3800

 FFF488

 801E00

 FFFFA3

 620000

 FFFFC0

 450000

 FFFFDC

 2C0001

 FFFFFA

 000000

 FF8513

 FF8513

 FF7B00

 FF922D

 FF9F46

 FFAD60

 FFBA79

 FFC793

 FFD4AC

 FFE1C6

 FFEEDF

 FFFCF9

Harmonies

Analogous

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



FF625F



FF8513



C6A300

Triad

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



FF8513



00C7A5



A291FF

Complementary

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



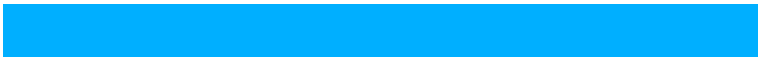
FF8513



138DFF

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.



00AFFF



FF8513



00C7F0

Square

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



FF8513



00C258



00C0FF



FF6BF0

Rectangle

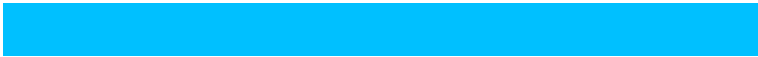
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



FF8513



97B200



00C0FF



6B9CFF

Sweetspot

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



FF8513



FFDAB8



FF1391



806954



000000



808080

Same Dimension

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



FF8513



FF7B00



FFF713



807973



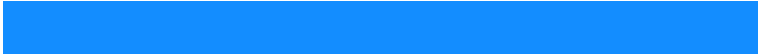
BF5C00



401F00

Inverse Universe

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



138DFF



0084FF



131BFF



737980



0063BF



002140

Previews

White Background



This preview shows how the Hex color FF8513 looks on a white background.

Color Contrast Check

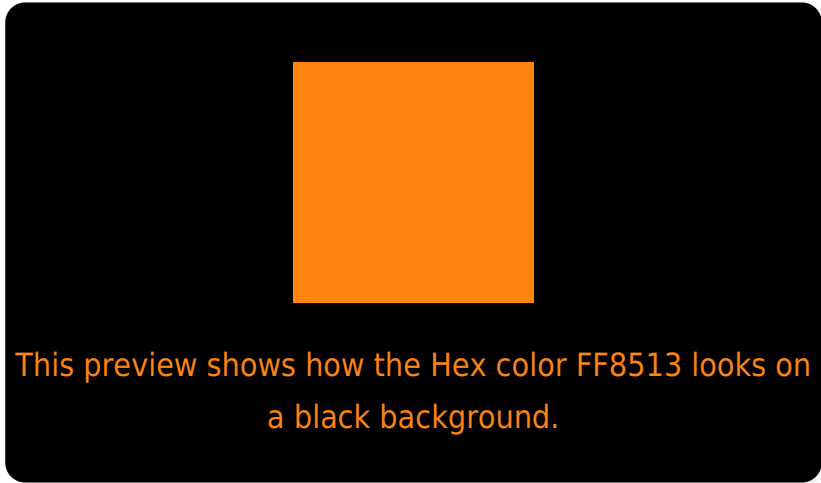
Large Text (above 18pt) WCAG AA × Fail

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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Hex FF8513 Background



This preview shows how black text looks on a background with the Hex color FF8513.



This preview shows how white text looks on a background with the Hex color FF8513.

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
FF8513

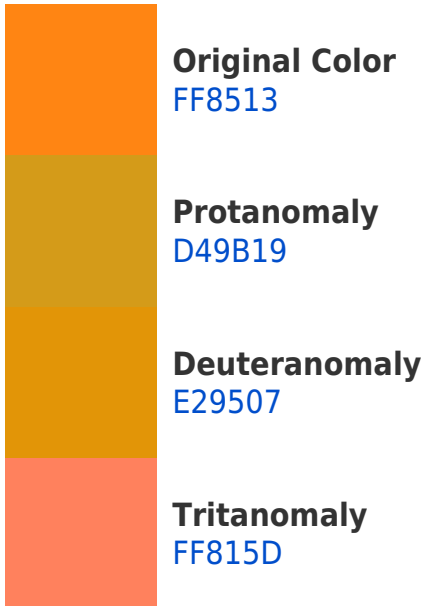
Protanopia
BBA71D

Deuteranopia
D29E00

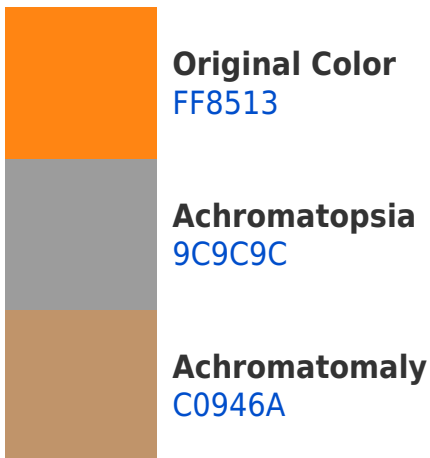


Tritanopia
FF7F87

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex FF8513 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 #FF8513 looks like.

```
.text, #text, p{  
    color:#FF8513  
}
```

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 #FF8513 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF8513
}
```

Border

The CSS property to change the border of an element to Hex FF8513 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
#FF8513 }
```

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

```
.border{ border-color:#FF8513 }
```

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

Here you see how a box with a 4 pixel #FF8513 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF8513; -webkit-box-shadow:4px 4px  
4px 4px #FF8513; box-shadow:4px 4px 4px  
4px #FF8513 }
```

Background

The CSS property to change the background color of an element to Hex FF8513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF8513 }
```

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

```
.background{ background-color:#FF8513 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor