

# Converting Colors

Hex(FF8E38)

Have a look what the booklet for  
Hex(FF8E38) contains.

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# **Color**

**Hex(F F8E38)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8E38
RGB	255, 142, 56
RGB Percent	100%, 56%, 22%
CMY	0.0000, 0.4431, 0.7804
CMYK	0.00, 0.44, 0.78, 0.00
HSL	26°, 100%, 61%
HSV	26°, 78%, 100%
XYZ	51.6268, 40.8915, 8.9132
YIQ	165.9830, 94.9540, -2.7900

# Conversions

## Conversions Part 2

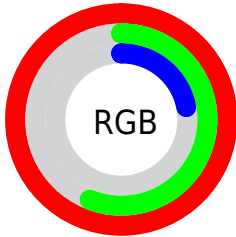
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 207, 56
Decimal	16748088
CIE <sub>Lab</sub>	70.10, 36.84, 61.61
CIE <sub>LCh</sub>	70, 71.781, 59.123
Yxy	40.8915, 0.5090, 0.4031
Android (android.graphics.Color)	4294938168 (0xFFFF8E38)
YUV	165.9830, -54.2216, 78.0679
Hunter-Lab	63.9465, 32.2046, 36.4984

# Details

The Hex color **FF8E38** 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 **38A9FF**, and the grayscale version is **A6A6A6**.

A 20% lighter version of the original color is **FFC56D**, and **C05A00** is the 20% darker color. If you saturate the color by 10%, you get **FF801E**, and if you desaturate by 10%, it is **FF9C52**.

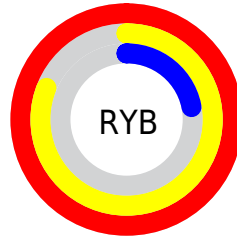
# Distribution



Red (100%)

Green (56%)

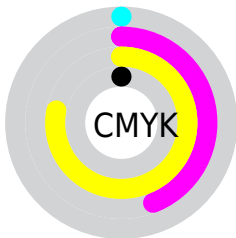
Blue (22%)



Red (100%)

Yellow (81%)

Blue (22%)

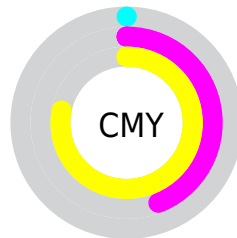


Cyan (0%)

Magenta (44%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (44%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FF8E38 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 FF8E38 by changing the saturation by 10% instead.



 FF8E38

 FF8E38

FFFFFF

 DF741C

 FFC56D

 C05A00

 FFE187

 A14100

 FFFEA3

 832800

 FFFFBF

 650D00

 FFFFDB

 480000

 FFFFF8

 300002

 000000

 FF8E38

 FF8E38

 FF801E

 FF9C52

 FF7105

 FFAB6B

 FF6E00

 FFB984

 FFC89E

 FFD6B7

 FFE5D1

 FFF3EB

FFFFFF

# Harmonies

## Analogous

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



FF7470



FF8E38



CDA80B

# Triad

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



FF8E38



00CAA7



A69BFF

# Complementary

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



FF8E38



38A9FF

# 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.



00B4FF



FF8E38



00C9E9

# Square

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



FF8E38



15C565



00C3FF



F87DEF

# Rectangle

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



FF8E38



A4B519



00C3FF



7BA4FF



# Sweetspot

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



FF8E38



FFDEC4



FF38AC



806B5C



000000



808080



# Same Dimension

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



FF8E38



FF770F



FFEE38



807873



BF5300



401C00



# Inverse Universe

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



38A9FF



0F97FF



3849FF



737A80



006DBF



002440



# Previews

## White Background



This preview shows how the Hex color FF8E38 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 FF8E38 Background



This preview shows how black text looks on a background with the Hex color FF8E38.



This preview shows how white text looks on a background with the Hex color FF8E38.

# 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**  
FF8E38

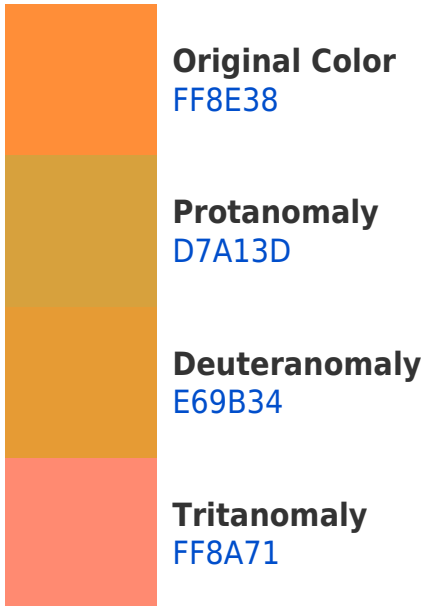
**Protanopia**  
C0AC40

**Deuteranopia**  
D8A331

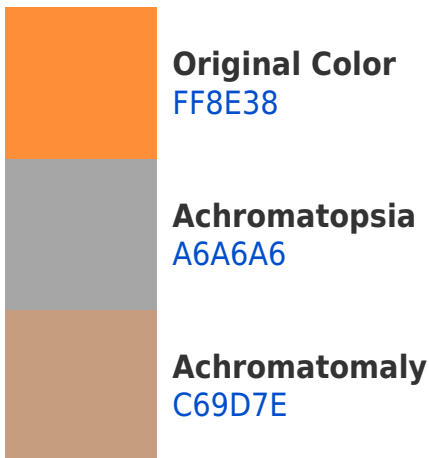


**Tritanopia**  
FF8891

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex FF8E38 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 #FF8E38 looks like.

```
.text, #text, p{  
    color:#FF8E38  
}
```

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 #FF8E38 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF8E38  
}
```

## Border

The CSS property to change the border of an element to Hex FF8E38 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  
#FF8E38 }
```

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

```
.border{ border-color:#FF8E38 }
```

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

Here you see how a box with a 4 pixel #FF8E38 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF8E38; -webkit-box-shadow:4px 4px  
4px 4px #FF8E38; box-shadow:4px 4px 4px  
4px #FF8E38 }
```

# Background

The CSS property to change the background color of an element to Hex FF8E38 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF8E38 }
```

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

```
.background{ background-color:#FF8E38 }
```

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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