

# Converting Colors

Hex(FF8B1E)

Have a look what the booklet for  
Hex(FF8B1E) contains.

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# **Color**

**Hex(F F 8 B 1 E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8B1E
RGB	255, 139, 30
RGB Percent	100%, 55%, 12%
CMY	0.0000, 0.4549, 0.8824
CMYK	0.00, 0.45, 0.88, 0.00
HSL	29°, 100%, 56%
HSV	29°, 88%, 100%
XYZ	50.7070, 39.8190, 6.2416
YIQ	161.2580, 104.1250, -9.3070

# Conversions

## Conversions Part 2

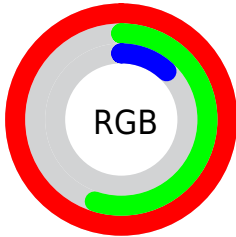
Format	Color
<a href="#">RYB</a>	<a href="#">255, 241, 30</a>
Decimal	<a href="#">16747294</a>
CIELab	<a href="#">69.34, 37.67, 70.02</a>
CIELCh	<a href="#">69, 79.515, 61.719</a>
Yxy	<a href="#">39.8190, 0.5240, 0.4115</a>
Android (android.graphics.Color)	<a href="#">4294937374 (0xFFFF8B1E)</a>
YUV	<a href="#">161.2580, -64.7102, 82.2117</a>
Hunter-Lab	<a href="#">63.1023, 33.0079, 38.3071</a>

# Details

The Hex color **FF8B1E** 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 **1E92FF**, and the grayscale version is **A2A2A2**.

A 20% lighter version of the original color is **FFC258**, and **BF5700** is the 20% darker color. If you saturate the color by 10%, you get **FF7E05**, and if you desaturate by 10%, it is **FF9838**.

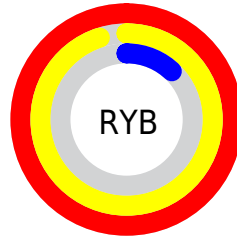
# Distribution



Red (100%)

Green (55%)

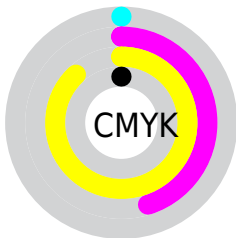
Blue (12%)



Red (100%)

Yellow (95%)

Blue (12%)

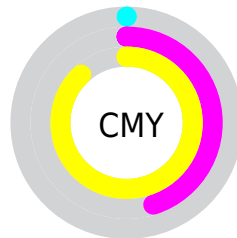


Cyan (0%)

Magenta (45%)

Yellow (88%)

Black (0%)



Cyan (0%)

Magenta (45%)

Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FF8B1E 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 FF8B1E by changing the saturation by 10% instead.



 FF8B1E

 FF8B1E

FFFFFF

 DF7100

 FFC258

 BF5700

 FFDE73

 A03E00

 FFFB8F

 812500

 FFFFAA

 630800

 FFFFC7

 460000

 FFFF E4

 2E0002

 000000

 FF8B1E

 FF8B1E

 FF7E05

 FF9838

 FF7C00

 FFA551

 FFB26A

 FFC084

 FFCD9E

 FFDAB7

 FFE7D1

 FFF4EA

FFFFFF

# Harmonies

## Analogous

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



FF6A62



FF8B1E



C7A800

# Triad

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



FF8B1E



00CAAB



AB94FF

# Complementary

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



FF8B1E



1E92FF

# 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.



00B1FF



FF8B1E



00C9F4

# Square

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



FF8B1E



00C561



00C2FF



FF71EF

# Rectangle

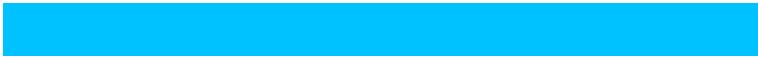
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



FF8B1E



99B500



00C2FF



7C9FFF



# Sweetspot

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



FF8B1E



FFDDBD



FF1E92



806B58



000000



808080



# Same Dimension

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



FF8B1E



FF7C00



FFFB1E



807973



BF5D00



401F00



# Inverse Universe

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



1E92FF



0083FF



1E22FF



737980



0063BF



002140



# Previews

## White Background



This preview shows how the Hex color FF8B1E looks on a white background.

## Color Contrast Check

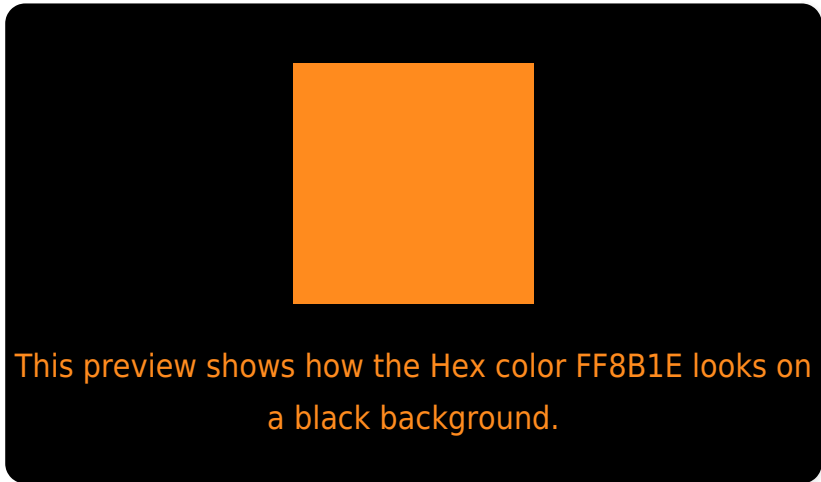
Large Text (above 18pt) WCAG AA × Fail

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 FF8B1E Background



This preview shows how black text looks on a background with the Hex color FF8B1E.



This preview shows how white text looks on a background with the Hex color FF8B1E.

# 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**  
FF8B1E

**Protanopia**  
BFAA26

**Deuteranopia**  
D7A106



**Tritanopia**  
FF848D

# Trichromacy



**Original Color**  
FF8B1E

**Protanomaly**  
D69F23

**Deuteranomaly**  
E6990F

**Tritanomaly**  
FF8765

# Monochromacy



**Original Color**  
FF8B1E

**Achromatopsia**  
A1A1A1

**Achromatomaly**  
C39971

# CSS Examples

## Text

The CSS property to change the color of the text to Hex FF8B1E 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 #FF8B1E looks like.

```
.text, #text, p{  
    color:#FF8B1E  
}
```

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 #FF8B1E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF8B1E
}
```

## Border

The CSS property to change the border of an element to Hex FF8B1E 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
#FF8B1E }
```

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

```
.border{ border-color:#FF8B1E }
```

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

Here you see how a box with a 4 pixel #FF8B1E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF8B1E; -webkit-box-shadow:4px 4px  
4px 4px #FF8B1E; box-shadow:4px 4px 4px  
4px #FF8B1E }
```

# Background

The CSS property to change the background color of an element to Hex FF8B1E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF8B1E }
```

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

```
.background{ background-color:#FF8B1E }
```

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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