

# Converting Colors

Hex(FF7A38)

Have a look what the booklet for  
Hex(FF7A38) contains.

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# **Color**

**Hex(F7A38)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7A38
RGB	255, 122, 56
RGB Percent	100%, 48%, 22%
CMY	0.0000, 0.5216, 0.7804
CMYK	0.00, 0.52, 0.78, 0.00
HSL	20°, 100%, 61%
HSV	20°, 78%, 100%
XYZ	48.9133, 35.4646, 8.0087
YIQ	154.2430, 100.4540, 7.6700

# Conversions

## Conversions Part 2

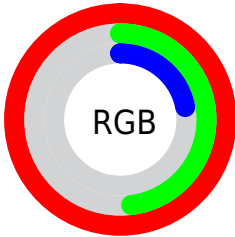
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 155, 56
Decimal	16742968
CIELab	66.11, 46.76, 57.77
CIElCh	66, 74.325, 51.010
Yxy	35.4646, 0.5294, 0.3839
Android (android.graphics.Color)	4294933048 (0xFFFF7A38)
YUV	154.2430, -48.4338, 88.3639
Hunter-Lab	59.5522, 42.3952, 33.7130

# Details

The Hex color **FF7A38** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **38BDFF**, and the grayscale version is **9B9B9B**.

A 20% lighter version of the original color is **FFB16B**, and **BF4500** is the 20% darker color. If you saturate the color by 10%, you get **FF691E**, and if you desaturate by 10%, it is **FF8B52**.

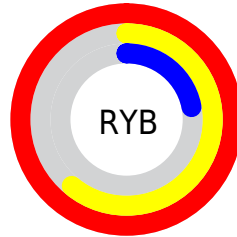
# Distribution



Red (100%)

Green (48%)

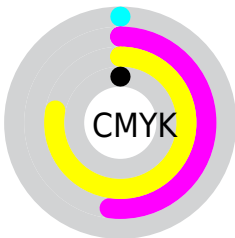
Blue (22%)



Red (100%)

Yellow (61%)

Blue (22%)

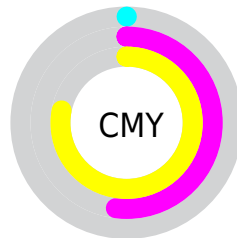


Cyan (0%)

Magenta (52%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (52%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FF7A38 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 FF7A38 by changing the saturation by 10% instead.



 FF7A38

 FF7A38

FFFFFF

 DF5F1E

 FFB16B

 BF4500

 FFCD86

 A02A00

 FFEAA1

 810700

 FFFFBC


 630000

 FFFFD9

 450000

 FFFFF5

 2B0001

 000000

 FF7A38

 FF7A38

■ FF691E

■ FF8B52

■ FF5805

■ FF9C6B

■ FF5500

■ FFAD84

■ FFBE9E

■ FFCFB7

■ FFE0D1

■ FFF1EB

FFFFFF

# Harmonies

## Analogous

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



FF5F75



FF7A38



D19600

# Triad

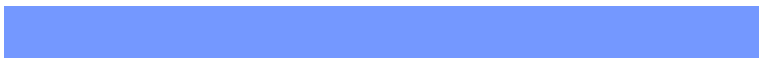
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



FF7A38



00BE8A



7498FF

# Complementary

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



FF7A38



38BDFE

# 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.



00AEFF



FF7A38



00BFCF

# Square

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



FF7A38



36B846



00BBFF



DD78F6

# Rectangle

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



FF7A38



A9A500



00BBFF



1FA0FF



# Sweetspot

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



FF7A38



FFD8C4



FF38C0



80685C



000000



808080



# Same Dimension

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



FF7A38



FF5F0F



FFDB38



807773



BF3F00



401500

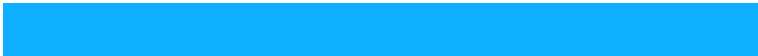


# Inverse Universe

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



38BDFF



0FB0FF



385CFF



737B80



0080BF



002B40



# Previews

## White Background



This preview shows how the Hex color FF7A38 looks on a white background.

## Color Contrast Check

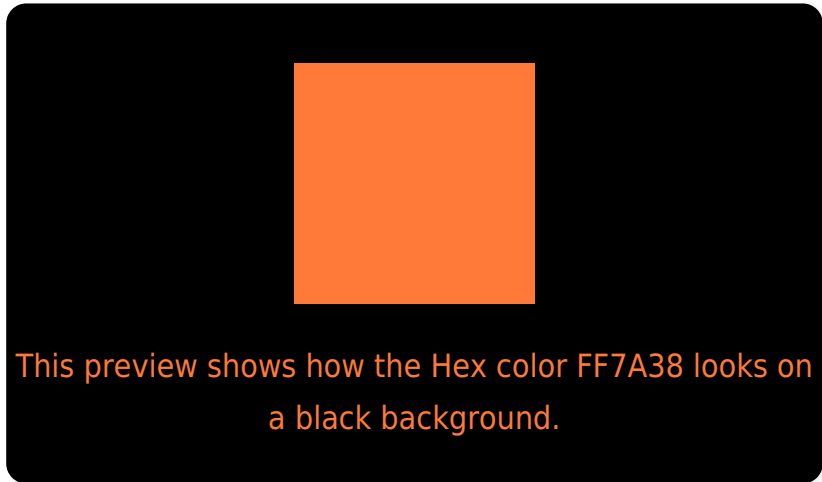
Large Text (above 18pt) WCAG AA × Fail

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 FF7A38 Background



This preview shows how black text looks on a background with the Hex color FF7A38.



This preview shows how white text looks on a background with the Hex color FF7A38.

# 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**  
FF7A38

**Protanopia**  
B3A143

**Deuteranopia**  
CA992E



**Tritanopia**  
FF757C

# Trichromacy



**Original Color**  
FF7A38

**Protanomaly**  
CF933F

**Deuteranomaly**  
DD8E32

**Tritanomaly**  
FF7763

# Monochromacy



**Original Color**  
FF7A38

**Achromatopsia**  
9A9A9A

**Achromatomaly**  
BF8E76

# CSS Examples

## Text

The CSS property to change the color of the text to Hex FF7A38 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 #FF7A38 looks like.

```
.text, #text, p{  
    color:#FF7A38  
}
```

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 #FF7A38 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF7A38
}
```

## Border

The CSS property to change the border of an element to Hex FF7A38 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
#FF7A38 }
```

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

```
.border{ border-color:#FF7A38 }
```

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

Here you see how a box with a 4 pixel #FF7A38 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF7A38; -webkit-box-shadow:4px 4px  
4px 4px #FF7A38; box-shadow:4px 4px 4px  
4px #FF7A38 }
```

# Background

The CSS property to change the background color of an element to Hex FF7A38 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF7A38 }
```

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

```
.background{ background-color:#FF7A38 }
```

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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