

# Converting Colors

Hex(FF7A2F)

Have a look what the booklet for  
Hex(FF7A2F) contains.

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# **Color**

**Hex(F7A2F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7A2F
RGB	255, 122, 47
RGB Percent	100%, 48%, 18%
CMY	0.0000, 0.5216, 0.8157
CMYK	0.00, 0.52, 0.82, 0.00
HSL	22°, 100%, 59%
HSV	22°, 82%, 100%
XYZ	48.7126, 35.3843, 6.9517
YIQ	153.2170, 103.3430, 4.8710

# Conversions

## Conversions Part 2

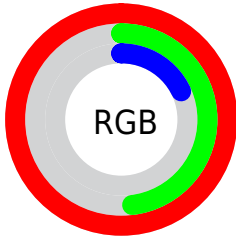
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 164, 47
Decimal	16742959
CIE Lab	66.05, 46.48, 61.52
CIE LCh	66, 77.110, 52.928
Yxy	35.3843, 0.5350, 0.3886
Android (android.graphics.Color)	4294933039 (0xFFFF7A2F)
YUV	153.2170, -52.3650, 89.2637
Hunter-Lab	59.4847, 42.0772, 34.7103

# Details

The Hex color **FF7A2F** 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 **2FB4FF**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **FFB163**, and **BF4500** is the 20% darker color. If you saturate the color by 10%, you get **FF6A16**, and if you desaturate by 10%, it is **FF8A49**.

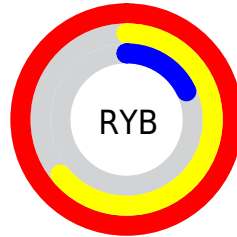
# Distribution



Red (100%)

Green (48%)

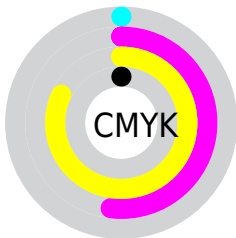
Blue (18%)



Red (100%)

Yellow (64%)

Blue (18%)

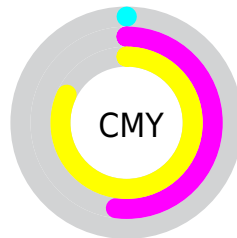


Cyan (0%)

Magenta (52%)

Yellow (82%)

Black (0%)



Cyan (0%)

Magenta (52%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FF7A2F 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 FF7A2F by changing the saturation by 10% instead.



 FF7A2F

 FF7A2F

FFFFFF

 DF5F12

 FFB163

 BF4500

 FFCD7E

 A02A00

 FFEA99

 810800

 FFFFB4

 620000

 FFFF00

 450000

 FFFFED

 2A0001

 000000

 FF7A2F

 FF7A2F

 FF6A16

 FF8A49

 FF5C00

 FF9B62

 FFAB7C

 FFBB95

 FFCCAF

 FFDCC8

 FFECE2

 FFFCFB

FFFFFF

# Harmonies

## Analogous

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



FF5C6F



FF7A2F



CE9800

# Triad

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



FF7A2F



00BF8D



7B95FF

# Complementary

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



FF7A2F



2FB4FF

# 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



FF7A2F



00C0D5

# Square

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



FF7A2F



1DB946



00BBFF



E374F5

# Rectangle

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



FF7A2F



A5A700



00BBFF



2A9FFF



# Sweetspot

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



FF7A2F



FFD8C2



FF2FB6



80685B



000000



808080



# Same Dimension

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



FF7A2F



FF5F05



FFE02F



807773



BF4500



401700



# Inverse Universe

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



2FB4FF



05A5FF



2F4EFF



737B80



007ABF



002940



# Previews

## White Background



This preview shows how the Hex color FF7A2F looks on a white background.

## Color Contrast Check

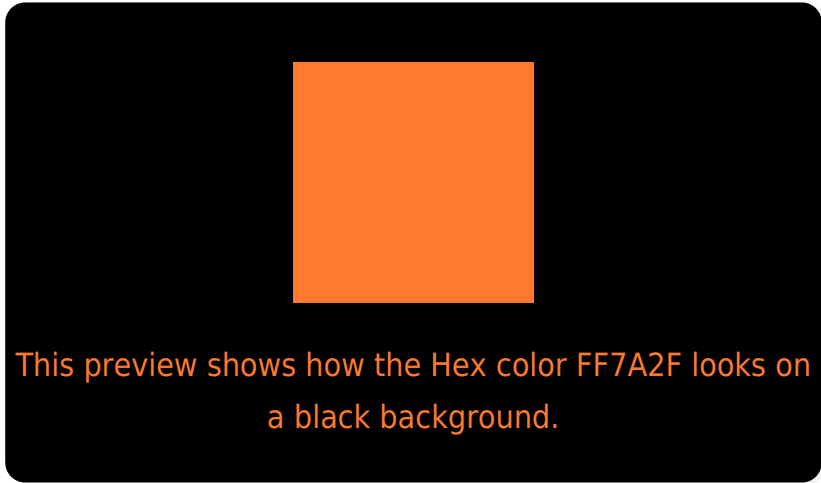
Large Text (above 18pt) WCAG AA × Fail

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 FF7A2F Background



This preview shows how black text looks on a background with the Hex color FF7A2F.



This preview shows how white text looks on a background with the Hex color FF7A2F.

# 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**  
FF7A2F

**Protanopia**  
B4A139

**Deuteranopia**  
CB9923



**Tritanopia**  
FF757C

# Trichromacy



**Original Color**  
FF7A2F



**Protanomaly**  
CF9335



**Deuteranomaly**  
DE8E27



**Tritanomaly**  
FF7760

# Monochromacy



**Original Color**  
FF7A2F



**Achromatopsia**  
999999



**Achromatomaly**  
BE8E72

# CSS Examples

## Text

The CSS property to change the color of the text to Hex FF7A2F 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 #FF7A2F looks like.

```
.text, #text, p{  
    color:#FF7A2F  
}
```

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 #FF7A2F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF7A2F
}
```

## Border

The CSS property to change the border of an element to Hex FF7A2F 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
#FF7A2F }
```

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

```
.border{ border-color:#FF7A2F }
```

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

Here you see how a box with a 4 pixel #FF7A2F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF7A2F; -webkit-box-shadow:4px 4px  
4px 4px #FF7A2F; box-shadow:4px 4px 4px  
4px #FF7A2F }
```

# Background

The CSS property to change the background color of an element to Hex FF7A2F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF7A2F }
```

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

```
.background{ background-color:#FF7A2F }
```

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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