

Converting Colors

Hex(FF7731)

Have a look what the booklet for
Hex(FF7731) contains.

Hex(FF7731)	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(F7731)

Conversions

Conversions Part 1

Format	Color
Hex	FF7731
RGB	255, 119, 49
RGB Percent	100%, 47%, 19%
CMY	0.0000, 0.5333, 0.8078
CMYK	0.00, 0.53, 0.81, 0.00
HSL	20°, 100%, 60%
HSV	20°, 81%, 100%
XYZ	48.3912, 34.6754, 7.0483
YIQ	151.6840, 103.5260, 7.0620

Conversions

Conversions Part 2

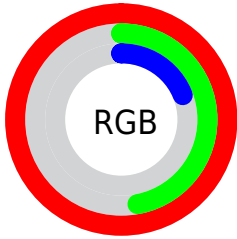
Format	Color
R _Y B	255, 155, 49
Decimal	16742193
CIE Lab	65.50, 47.98, 60.20
CIE LCh	65, 76.984, 51.448
Yxy	34.6754, 0.5370, 0.3848
Android (android.graphics.Color)	4294932273 (0xFFFF7731)
YUV	151.6840, -50.6232, 90.6081
Hunter-Lab	58.8858, 43.6376, 34.1234

Details

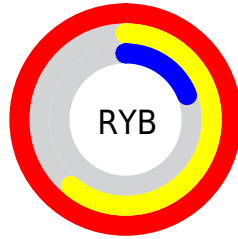
The Hex color **FF7731** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **31B9FF**, and the grayscale version is **989898**.

A 20% lighter version of the original color is **FFAE65**, and **BF4200** is the 20% darker color. If you saturate the color by 10%, you get **FF6618**, and if you desaturate by 10%, it is **FF884B**.

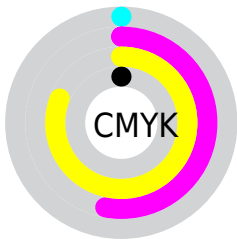
Distribution



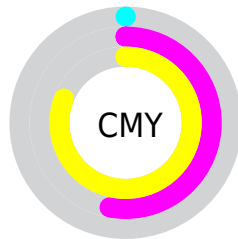
- Red (100%)
- Green (47%)
- Blue (19%)



- Red (100%)
- Yellow (61%)
- Blue (19%)



- Cyan (0%)
- Magenta (53%)
- Yellow (81%)
- Black (0%)



- Cyan (0%)
- Magenta (53%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Hex color FF7731 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 FF7731 by changing the saturation by 10% instead.

 FF7731

 FF7731

FFFFFF

 DF5C15

 FFAE65

 BF4200

 FFCA7F

 A02600

 FFE79A

 800000

 FFFFB6

 620000

 FFFFD2

 450000

 FFFFEF

 290001

 000000

 FF7731

 FF7731

 FF6618

 FF884B

 FF5700

 FF9964

 FFAA7E

 FFBA97

 FFCBB1

 FFDCCA

 FFEDE4

 FFFEFD

 FFFFFFFF

Harmonies

Analogous

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



FF5A71



FF7731



CF9500

Triad

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



FF7731



00BD88



7195FF

Complementary

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



FF7731



31B9FF

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.



00ADFF



FF7731



00BED0

Square

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



FF7731



28B742



00BAFF



DE74F6

Rectangle

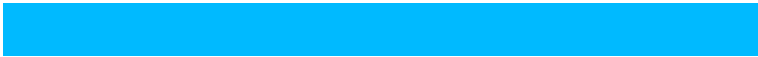
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



FF7731



A6A400



00BAFF



009FFF

Sweetspot

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



FF7731



FFD7C2



FF31BA



80675B



000000



808080

Same Dimension

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



FF7731



FF5C08



FFDD31



807773



BF4100



401600

Inverse Universe

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



31B9FF



08ABFF



3153FF



737B80



007EBF



002A40

Previews

White Background



This preview shows how the Hex color FF7731 looks on a white background.

Color Contrast Check

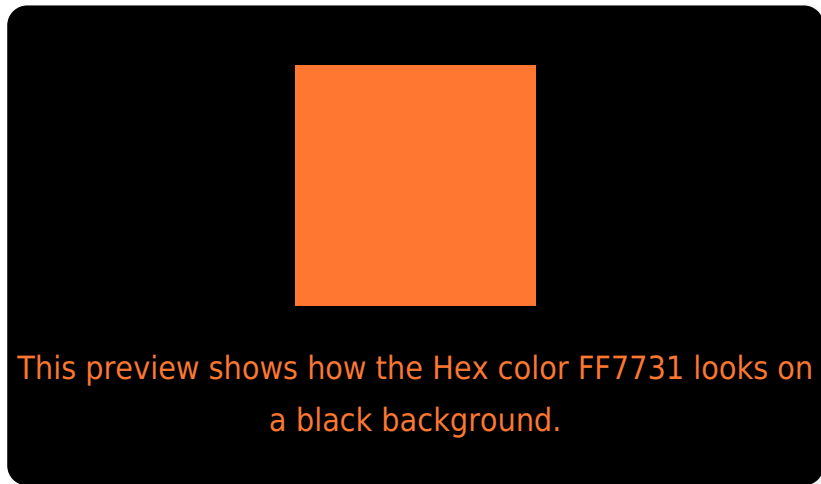
Large Text (above 18pt) WCAG AA × Fail

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 FF7731 Background



This preview shows how black text looks on a background with the Hex color FF7731.



This preview shows how white text looks on a background with the Hex color FF7731.

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
FF7731

Protanopia
B2A03C

Deuteranopia
C99725



Tritanopia
FF7279

Trichromacy



Original Color
FF7731

Protanomaly
CE9138

Deuteranomaly
DD8B29

Tritanomaly
FF745F

Monochromacy



Original Color
FF7731

Achromatopsia
989898

Achromatomaly
BD8C73

CSS Examples

Text

The CSS property to change the color of the text to Hex FF7731 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 #FF7731 looks like.

```
.text, #text, p{  
    color:#FF7731  
}
```

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 #FF7731 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF7731
}
```

Border

The CSS property to change the border of an element to Hex FF7731 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
#FF7731 }
```

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

```
.border{ border-color:#FF7731 }
```

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

Here you see how a box with a 4 pixel #FF7731 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF7731; -webkit-box-shadow:4px 4px  
4px 4px #FF7731; box-shadow:4px 4px 4px  
4px #FF7731 }
```

Background

The CSS property to change the background color of an element to Hex FF7731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF7731 }
```

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

```
.background{ background-color:#FF7731 }
```

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