

# Converting Colors

Hex(FF7A00)

Have a look what the booklet for  
Hex(FF7A00) contains.

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# **Color**

**Hex(F7A00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7A00
RGB	255, 122, 0
RGB Percent	100%, 48%, 0%
CMY	0.0000, 0.5216, 1.0000
CMYK	0.00, 0.52, 1.00, 0.00
HSL	29°, 100%, 50%
HSV	29°, 100%, 100%
XYZ	48.1995, 35.1791, 4.2498
YIQ	147.8590, 118.4300, -9.7460

# Conversions

## Conversions Part 2

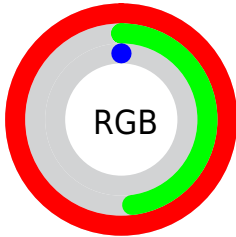
Format	Color
R <sub>Y</sub> B	255, 234, 0
Decimal	16742912
CIE Lab	65.89, 45.76, 73.34
CIE LCh	66, 86.447, 58.040
Yxy	35.1791, 0.5500, 0.4015
Android (android.graphics.Color)	4294932992 (0xFFFF7A00)
YUV	147.8590, -72.8945, 93.9627
Hunter-Lab	59.3119, 41.2612, 37.2701

# Details

The Hex color **FF7A00** is a dark color, and the websafe version is hex **FF6600**, and the color name is **heat wave**. The color can be described as dark saturated orange. A complement of this color would be **0085FF**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **FFB148**, and **BE4500** is the 20% darker color. If you saturate the color by 10%, you get **FF7A00**, and if you desaturate by 10%, it is **FF8719**.

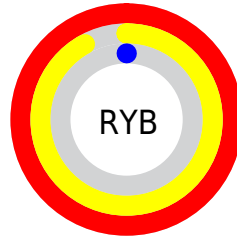
# Distribution



Red (100%)

Green (48%)

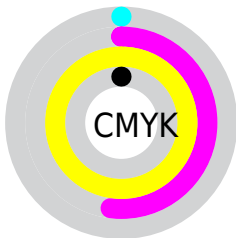
Blue (0%)



Red (100%)

Yellow (92%)

Blue (0%)

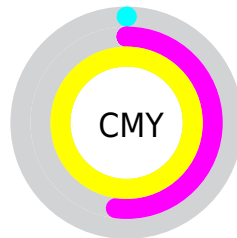


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (52%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FF7A00 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 FF7A00 by changing the saturation by 10% instead.



 FF7A00

 FF7A00

FFFFFF

 DE6000

 FFB148

 BE4500

 FFCD63

 9E2B00

 FFE97F

 7F0A00

 FFFF9A

 610000

 FFFFB6

 440000

 FFFFD3

 290001

 FFFFF0

 000000

 FF7A00

 FF8719

 FF9533

 FFA24D

 FFAF66

 FFBD80

 FFCA99

 FFD7B3

 FFE4CC

 FFF2E6

# Harmonies

## Analogous

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



FF515C



FF7A00



C59B00

# Triad

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



FF7A00



00C198



8C8EFF

# Complementary

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



FF7A00



0085FF

# 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.



00ACFF



FF7A00



00C2E7

# Square

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



FF7A00



00BC47



00BCFF



F663F4

# Rectangle

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



FF7A00



95AB00



00BCFF



4199FF



# Sweetspot

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



FF7A00



FFD7B3



FF0088



806852



000000



808080



# Same Dimension

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



FF7A00



FFF700



807973



BF5C00



401F00

# Inverse Universe

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



0085FF



0008FF



737980



0064BF



002140

# Previews

## White Background



This preview shows how the Hex color FF7A00 looks on a white background.

## Color Contrast Check

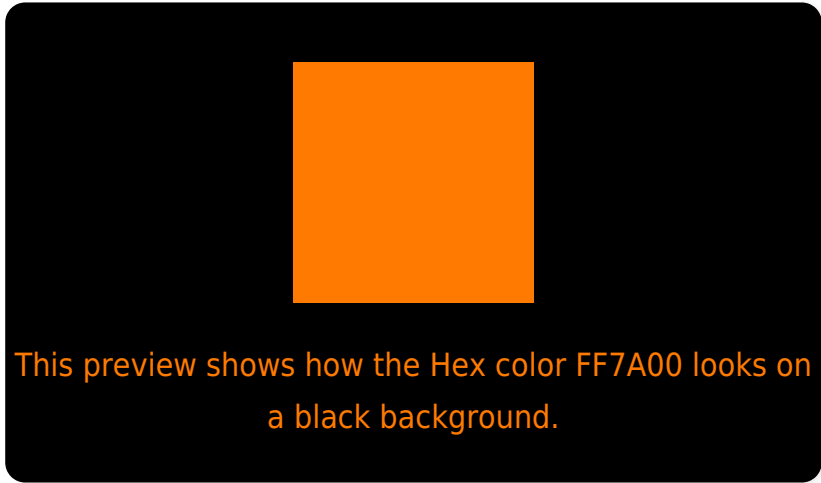
Large Text (above 18pt) WCAG AA × Fail

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 FF7A00 Background



This preview shows how black text looks on a background with the Hex color FF7A00.



This preview shows how white text looks on a background with the Hex color FF7A00.

# 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**  
FF7A00

**Protanopia**  
B5A117

**Deuteranopia**  
CB9800





**Tritanopia**  
FF747B

# Trichromacy



**Original Color**  
FF7A00

**Protanomaly**  
D0930F

**Deuteranomaly**  
DE8D00

**Tritanomaly**  
FF764E

# Monochromacy



**Original Color**  
FF7A00

**Achromatopsia**  
949494

**Achromatomaly**  
BB8B5E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex FF7A00 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 #FF7A00 looks like.

```
.text, #text, p{  
    color:#FF7A00  
}
```

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 #FF7A00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF7A00
}
```

## Border

The CSS property to change the border of an element to Hex FF7A00 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
#FF7A00 }
```

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

```
.border{ border-color:#FF7A00 }
```

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

Here you see how a box with a 4 pixel #FF7A00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF7A00; -webkit-box-shadow:4px 4px  
4px 4px #FF7A00; box-shadow:4px 4px 4px  
4px #FF7A00 }
```

# Background

The CSS property to change the background color of an element to Hex FF7A00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF7A00 }
```

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

```
.background{ background-color:#FF7A00 }
```

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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