

# Converting Colors

Hex(F9902E)

Have a look what the booklet for  
Hex(F9902E) contains.

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# **Color**

**Hex(F9902E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9902E
RGB	249, 144, 46
RGB Percent	98%, 56%, 18%
CMY	0.0235, 0.4353, 0.8196
CMYK	0.00, 0.42, 0.82, 0.02
HSL	29°, 94%, 58%
HSV	29°, 82%, 98%
XYZ	49.5333, 40.2835, 7.7496
YIQ	164.2230, 94.0380, -8.2180

# Conversions

## Conversions Part 2

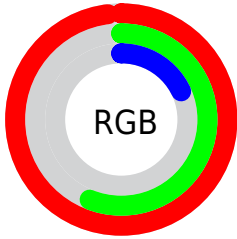
Format	Color
R <sub>Y</sub> B	249, 235, 46
Decimal	16355374
CIE Lab	69.67, 33.10, 64.82
CIE LCh	70, 72.785, 62.954
Yxy	40.2835, 0.5077, 0.4129
Android (android.graphics.Color)	4294545454 (0xFFFF9902E)
YUV	164.2230, -58.2839, 74.3494
Hunter-Lab	63.4693, 28.2354, 37.1892

# Details

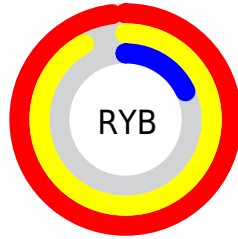
The Hex color **F9902E** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **2E97F9**, and the grayscale version is **A5A5A5**.

A 20% lighter version of the original color is **FFC764**, and **BA5C00** is the 20% darker color. If you saturate the color by 10%, you get **F98315**, and if you desaturate by 10%, it is **F99D47**.

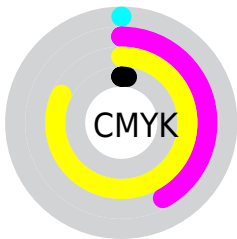
# Distribution



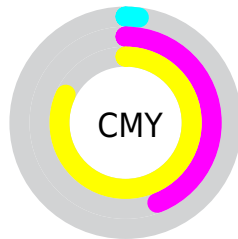
- Red (98%)
- Green (56%)
- Blue (18%)



- Red (98%)
- Yellow (92%)
- Blue (18%)



- Cyan (0%)
- Magenta (42%)
- Yellow (82%)
- Black (2%)



- Cyan (2%)
- Magenta (44%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color F9902E 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 F9902E by changing the saturation by 10% instead.



 F9902E

 F9902E

FFFFFF

 D9760C

 FFC764

 BA5C00

 FFE37F

 9C4400

 FFFF9A

 7D2C00

 FFFFB6

 601300

 FFFFD3

 430000

 FFFFF0

 2C0001

 000000

 F9902E

 F9902E

 F98315

 F99D47

 F97800

 F9AA60

 F9B779

 F9C492

 F9D0AB

 F9DDC3

 F9EADC

 F9F7F5

 F9FFFF

# Harmonies

## Analogous

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



FF7466



F9902E



C5A900

# Triad

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



F9902E



00C9AF



B296FF

# Complementary

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



F9902E



2E97F9

# 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.



00B0FF



F9902E



00C8F1

# Square

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



F9902E



00C56B



00C0FF



FE78E7

# Rectangle

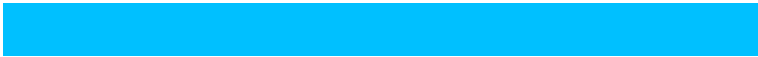
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



F9902E



9AB61A



00C0FF



8B9FFF



# Sweetspot

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



F9902E



FFDFC2



F92E9A



806C5B



000000



808080



# Same Dimension

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



F9902E



FF7E05



F9F22E



7D7670



BD5B00



3D1E00



# Inverse Universe

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



2E97F9



0586FF



2E35F9



70777D



0062BD



00203D



# Previews

## White Background



This preview shows how the Hex color F9902E looks on a white background.

## Color Contrast Check

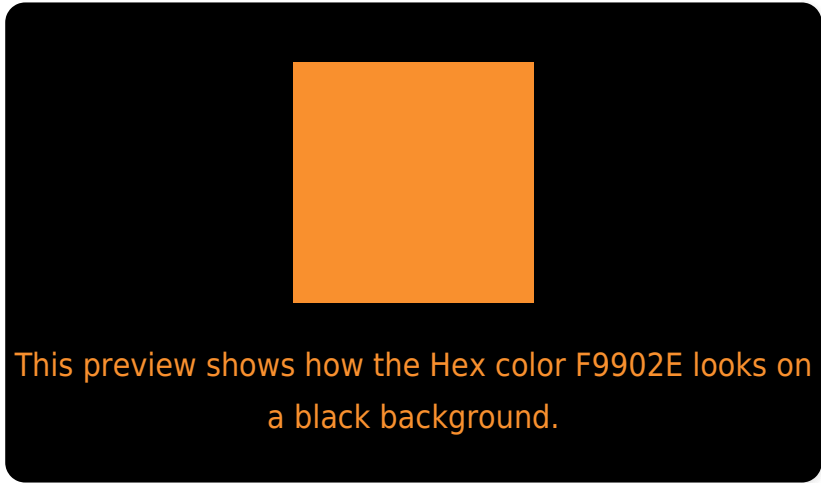
Large Text (above 18pt) WCAG AA × Fail

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 F9902E Background



This preview shows how black text looks on a background with the Hex color F9902E.

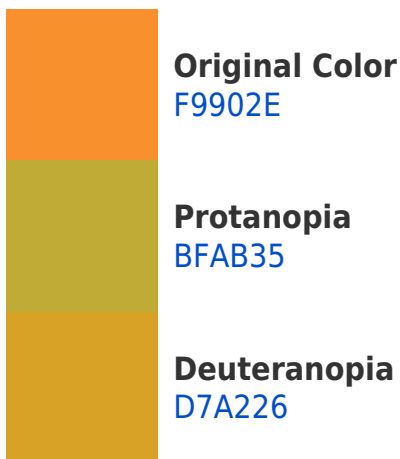


This preview shows how white text looks on a background with the Hex color F9902E.

# 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](#).

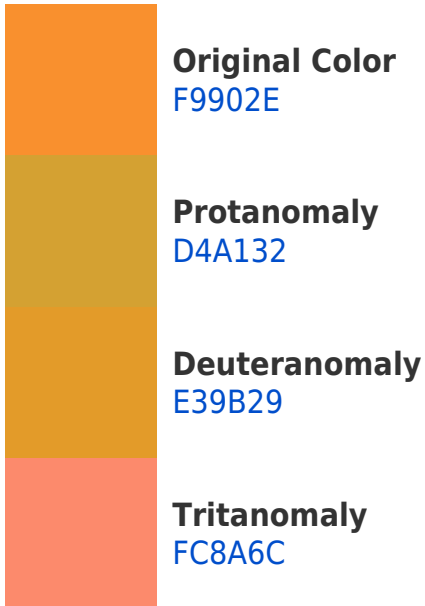
## Dichromacy





**Tritanopia**  
FE8790

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex F9902E 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 #F9902E looks like.

```
.text, #text, p{  
    color:#F9902E  
}
```

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 #F9902E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F9902E
}
```

## Border

The CSS property to change the border of an element to Hex F9902E 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
#F9902E }
```

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

```
.border{ border-color:#F9902E }
```

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

Here you see how a box with a 4 pixel #F9902E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F9902E; -webkit-box-shadow:4px 4px  
4px 4px #F9902E; box-shadow:4px 4px 4px  
4px #F9902E }
```

# Background

The CSS property to change the background color of an element to Hex F9902E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F9902E }
```

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

```
.background{ background-color:#F9902E }
```

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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