

# Converting Colors

Hex(FF9851)

Have a look what the booklet for  
Hex(FF9851) contains.

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**Color**

**Hex(F99851)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9851
RGB	255, 152, 81
RGB Percent	100%, 60%, 32%
CMY	0.0000, 0.4039, 0.6824
CMYK	0.00, 0.40, 0.68, 0.00
HSL	24°, 100%, 66%
HSV	24°, 68%, 100%
XYZ	53.9534, 44.3106, 13.4937
YIQ	174.7030, 84.1790, -0.2450

# Conversions

## Conversions Part 2

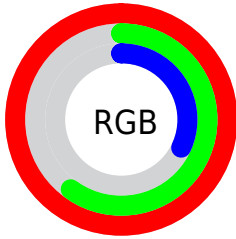
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 201, 81
Decimal	16750673
CIELab	72.44, 32.81, 52.76
CIELCh	72, 62.131, 58.125
Yxy	44.3106, 0.4828, 0.3965
Android (android.graphics.Color)	4294940753 (0xFFFF9851)
YUV	174.7030, -46.1956, 70.4205
Hunter-Lab	66.5662, 28.1876, 34.5776

# Details

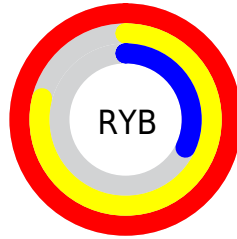
The Hex color **FF9851** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **51B8FF**, and the grayscale version is **AFAFAF**.

A 20% lighter version of the original color is **FFCF85**, and **C1641E** is the 20% darker color. If you saturate the color by 10%, you get **FF8938**, and if you desaturate by 10%, it is **FFA76A**.

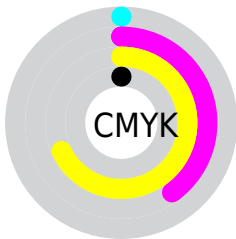
# Distribution



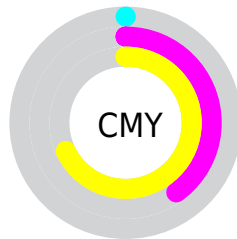
- Red (100%)
- Green (60%)
- Blue (32%)



- Red (100%)
- Yellow (79%)
- Blue (32%)



- Cyan (0%)
- Magenta (40%)
- Yellow (68%)
- Black (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FF9851 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 FF9851 by changing the saturation by 10% instead.



 FF9851

 FF9851

FFFFFF

 E07E38

 FFCF85

 C1641E

 FFEBA0

 A34B00

 FFFFBB

 853300

 FFFFD8

 671A00

 FFFFF4

 4B0000

 310000

 010000

 000000

■ FF9851

■ FF9851

■ FF8938

■ FFA76A

■ FF7A1E

■ FFB684

■ FF6B05

■ FFC59E

■ FF6800

■ FFD4B7

■ FFE3D1

■ FFF3EA

FFFFFF

# Harmonies

## Analogous

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



FF847F



FF9851



D4AE38

# Triad

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



FF9851



00CDAC



ADA4FF

# Complementary

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



FF9851



51B8FF

# 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.



00B9FF



FF9851



00CDE6

# Square

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



FF9851



4EC873



00C7FF



F48DEF

# Rectangle

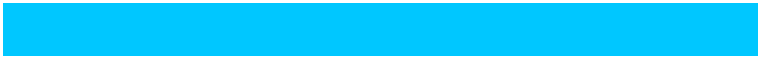
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



FF9851



AFB93D



00C7FF



8BACFF

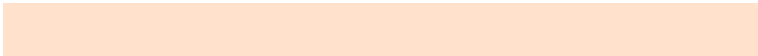


# Sweetspot

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



FF9851



FFE1CC



FF51B9



806D61



000000



808080



# Same Dimension

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



FF9851



FF832E



FFEE51



807873



BF4E00



401A00



# Inverse Universe

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



51B8FF



2EAAFF



5162FF



737A80



0071BF



002640



# Previews

## White Background



This preview shows how the Hex color FF9851 looks on a white background.

## Color Contrast Check

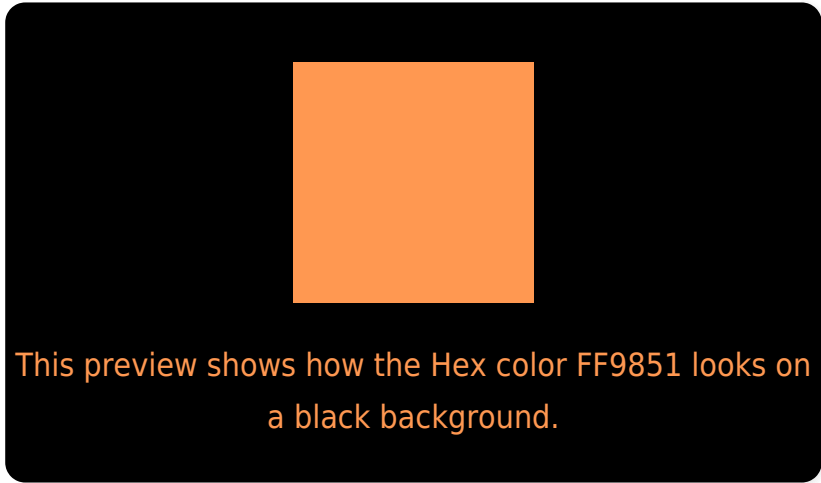
Large Text (above 18pt) WCAG AA × Fail

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 FF9851 Background



This preview shows how black text looks on a background with the Hex color FF9851.

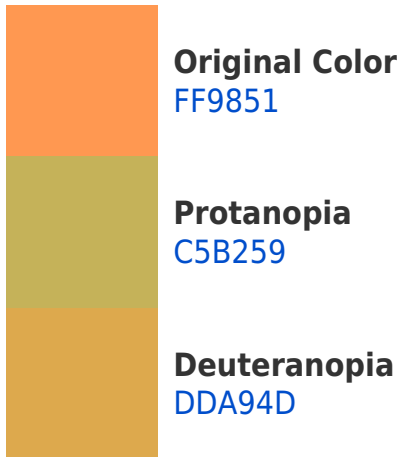


This preview shows how white text looks on a background with the Hex color FF9851.

# 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](#).

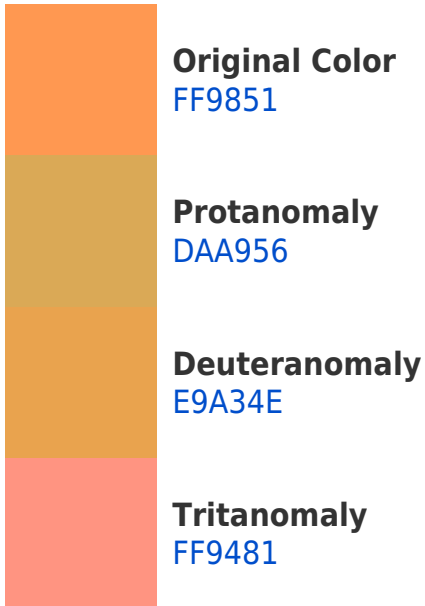
## Dichromacy



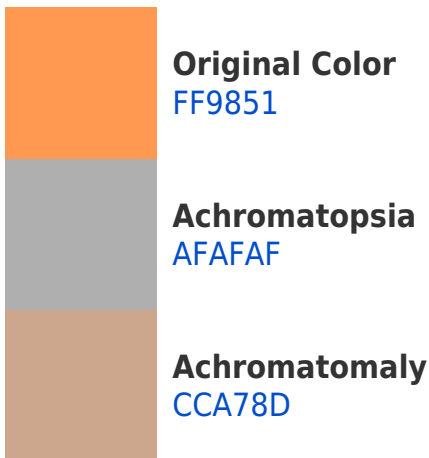


**Tritanopia**  
FF929C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex FF9851 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 #FF9851 looks like.

```
.text, #text, p{  
    color:#FF9851  
}
```

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 #FF9851 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF9851
}
```

## Border

The CSS property to change the border of an element to Hex FF9851 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
#FF9851 }
```

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

```
.border{ border-color:#FF9851 }
```

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

Here you see how a box with a 4 pixel #FF9851 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF9851; -webkit-box-shadow:4px 4px  
4px 4px #FF9851; box-shadow:4px 4px 4px  
4px #FF9851 }
```

# Background

The CSS property to change the background color of an element to Hex FF9851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF9851 }
```

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

```
.background{ background-color:#FF9851 }
```

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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