

# Converting Colors

Hex(FF9145)

Have a look what the booklet for  
Hex(FF9145) contains.

<b>Hex(FF9145)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(F99145)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9145
RGB	255, 145, 69
RGB Percent	100%, 57%, 27%
CMY	0.0000, 0.4314, 0.7294
CMYK	0.00, 0.43, 0.73, 0.00
HSL	25°, 100%, 64%
HSV	25°, 73%, 100%
XYZ	52.4396, 41.9405, 10.9617
YIQ	169.2260, 89.9560, -0.3160

# Conversions

## Conversions Part 2

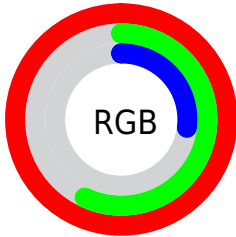
Format	Color
<a href="#">RYB</a>	<a href="#">255, 198, 69</a>
Decimal	<a href="#">16748869</a>
CIELab	<a href="#">70.83, 35.82, 56.67</a>
CIElCh	<a href="#">71, 67.039, 57.701</a>
Yxy	<a href="#">41.9405, 0.4978, 0.3981</a>
Android (android.graphics.Color)	<a href="#">4294938949 (0xFFFF9145)</a>
YUV	<a href="#">169.2260, -49.4114, 75.2238</a>
Hunter-Lab	<a href="#">64.7615, 31.2050, 35.2975</a>

# Details

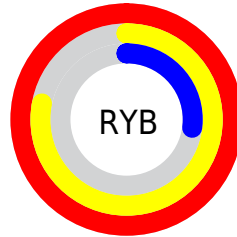
The Hex color **FF9145** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **45B3FF**, and the grayscale version is **AAAAAA**.

A 20% lighter version of the original color is **FFC879**, and **C05D0E** is the 20% darker color. If you saturate the color by 10%, you get **FF822B**, and if you desaturate by 10%, it is **FFA05E**.

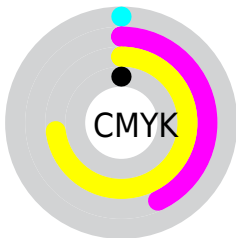
# Distribution



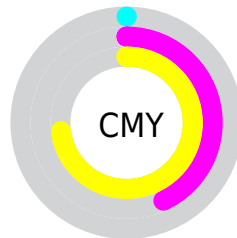
- Red (100%)
- Green (57%)
- Blue (27%)



- Red (100%)
- Yellow (78%)
- Blue (27%)



- Cyan (0%)
- Magenta (43%)
- Yellow (73%)
- Black (0%)



- Cyan (0%)
- Magenta (43%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FF9145 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 FF9145 by changing the saturation by 10% instead.



 FF9145

 FF9145

FFFFFF

 E0772B

 FFC879

 C05D0E

 FFE494

 A24400

 FFFF4F

 842B00

 FFFF4B

 661100

 FFFF48

 490000

 300001

 000000

 FF9145

 FF9145

 FF822B

 FFA05E

 FF7312

 FFAF78

 FF6800

 FFBE92

 FFCDAB

 FFDCC4

 FFEBDE

 FFFBF7

FFFFFF

# Harmonies

## Analogous

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



FF7A78



FF9145



D1A925

# Triad

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



FF9145



00CAA7



A59FFF

# Complementary

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



FF9145



45B3FF

# 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.



00B6FF



FF9145



00CAE4

# Square

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



FF9145



3BC569



00C4FF



F385EF

# Rectangle

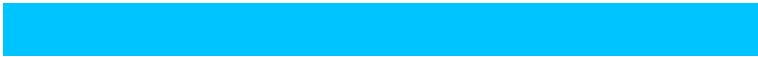
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



FF9145



AAB52B



00C4FF



7EA7FF



# Sweetspot

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



FF9145



FFDEC7



FF45B5



806C5E



000000



808080



# Same Dimension

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



FF9145



FF7A1F



FFEC45



807873



BF4E00



401A00



# Inverse Universe

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



45B3FF



1FA3FF



4558FF



737A80



0071BF



002640



# Previews

## White Background



This preview shows how the Hex color FF9145 looks on a white background.

## Color Contrast Check

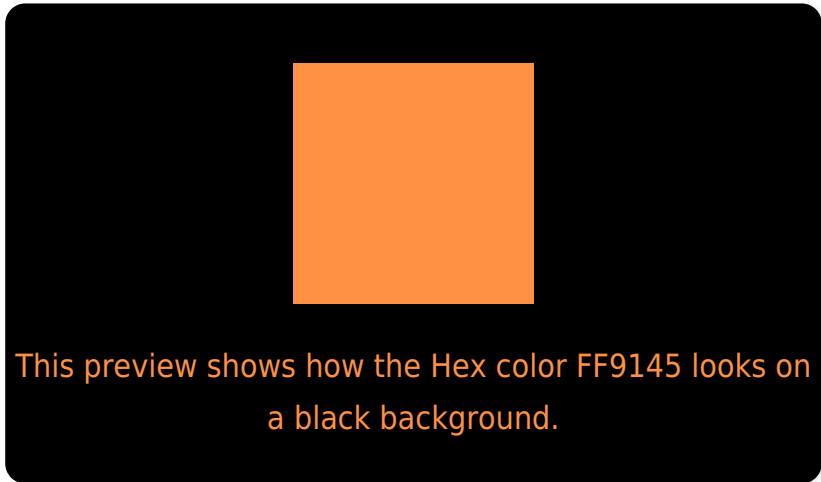
Large Text (above 18pt) WCAG AA × Fail

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 FF9145 Background



This preview shows how black text looks on a background with the Hex color FF9145.

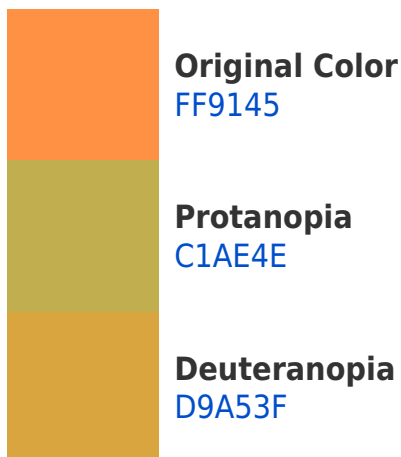


This preview shows how white text looks on a background with the Hex color FF9145.

# 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**  
FF8B94

# Trichromacy



**Original Color**  
FF9145

**Protanomaly**  
D8A34B

**Deuteranomaly**  
E79E41

**Tritanomaly**  
FF8D77

# Monochromacy



**Original Color**  
FF9145

**Achromatopsia**  
A9A9A9

**Achromatomaly**  
C8A085

# CSS Examples

## Text

The CSS property to change the color of the text to Hex FF9145 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 #FF9145 looks like.

```
.text, #text, p{  
    color:#FF9145  
}
```

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 #FF9145 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF9145  
}
```

## Border

The CSS property to change the border of an element to Hex FF9145 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  
#FF9145 }
```

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

```
.border{ border-color:#FF9145 }
```

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

Here you see how a box with a 4 pixel #FF9145 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF9145; -webkit-box-shadow:4px 4px  
4px 4px #FF9145; box-shadow:4px 4px 4px  
4px #FF9145 }
```

# Background

The CSS property to change the background color of an element to Hex FF9145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF9145 }
```

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

```
.background{ background-color:#FF9145 }
```

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