

Converting Colors

Hex(FF9D45)

Have a look what the booklet for
Hex(FF9D45) contains.

Hex(FF9D45)	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(FE9D45)

Conversions

Conversions Part 1

Format	Color
Hex	FF9D45
RGB	255, 157, 69
RGB Percent	100%, 62%, 27%
CMY	0.0000, 0.3843, 0.7294
CMYK	0.00, 0.38, 0.73, 0.00
HSL	28°, 100%, 64%
HSV	28°, 73%, 100%
XYZ	54.3711, 45.8036, 11.6055
YIQ	176.2700, 86.6560, -6.5920

Conversions

Conversions Part 2

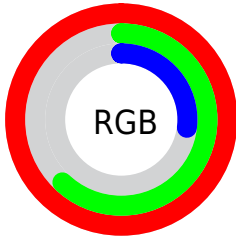
Format	Color
R _Y B	255, 236, 69
Decimal	16751941
CIE Lab	73.42, 29.64, 59.34
CIE LCh	73, 66.333, 63.459
Yxy	45.8036, 0.4864, 0.4098
Android (android.graphics.Color)	4294942021 (0xFFFF9D45)
YUV	176.2700, -52.8841, 69.0462
Hunter-Lab	67.6784, 24.9654, 37.2078

Details

The Hex color **FF9D45** 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 **45A7FF**, and the grayscale version is **B1B1B1**.

A 20% lighter version of the original color is **FFD47A**, and **C1690A** is the 20% darker color. If you saturate the color by 10%, you get **FF902B**, and if you desaturate by 10%, it is **FFAA5E**.

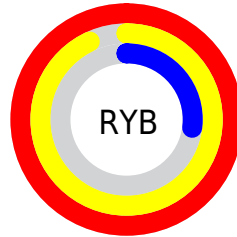
Distribution



Red (100%)

Green (62%)

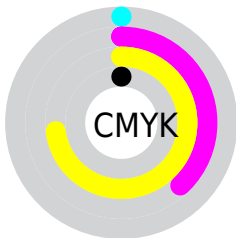
Blue (27%)



Red (100%)

Yellow (93%)

Blue (27%)

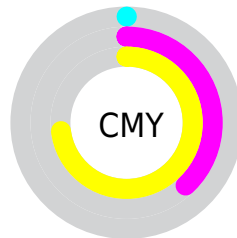


Cyan (0%)

Magenta (38%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (38%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Hex color FF9D45 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 FF9D45 by changing the saturation by 10% instead.

 FF9D45

 FF9D45

FFFFFF

 E0832A

 FFD47A

 C1690A

 FFF195

 A25000

 FFFFB0

 853800

 FFFFCC

 672100

 FFFFEE9

 4A0800

 300000

 030000

 000000

 FF9D45

 FF9D45

 FF902B

 FFAA5E

 FF8212

 FFB878

 FF7900

 FFC592

 FFD3AB

 FFE0C4

 FFE0C4

 FFFBF7

FFFFFF

Harmonies

Analogous

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



FF8675



FF9D45



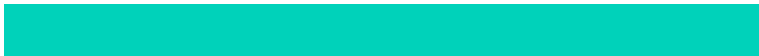
CEB42F

Triad

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



FF9D45



00D2BA



BFA1FF

Complementary

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



FF9D45



45A7FF

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.



2CB9FF



FF9D45



00D0F6

Square

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



FF9D45



26CE7B



00C9FF



FF88EC

Rectangle

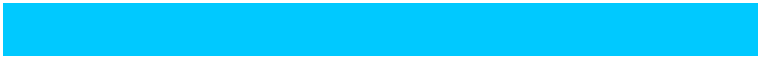
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



FF9D45



A6BF3B



00C9FF



9EAAFF

Sweetspot

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



FF9D45



FFE1C7



FF45A8



806E5E



000000



808080

Same Dimension

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



FF9D45



FF891F



FFF945



807973



BF5A00



401E00

Inverse Universe

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



45A7FF



1F95FF



454BFF



737980



0065BF



002240

Previews

White Background



This preview shows how the Hex color FF9D45 looks on a white background.

Color Contrast Check

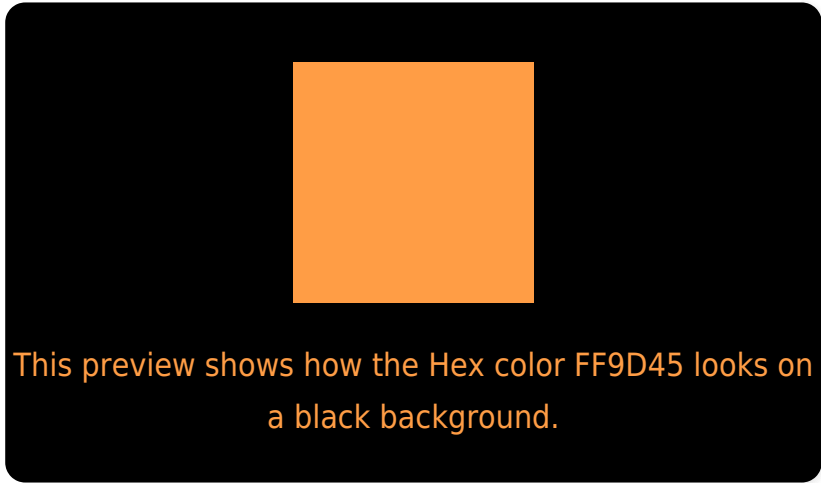
Large Text (above 18pt) WCAG AA × Fail

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 FF9D45 Background



This preview shows how black text looks on a background with the Hex color FF9D45.

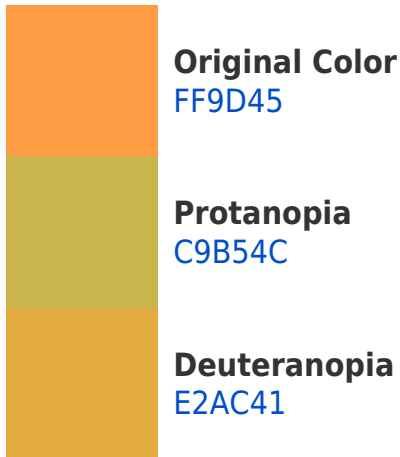


This preview shows how white text looks on a background with the Hex color FF9D45.

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](#).

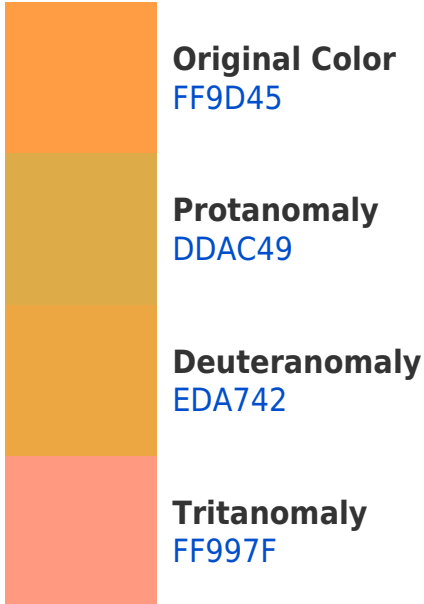
Dichromacy



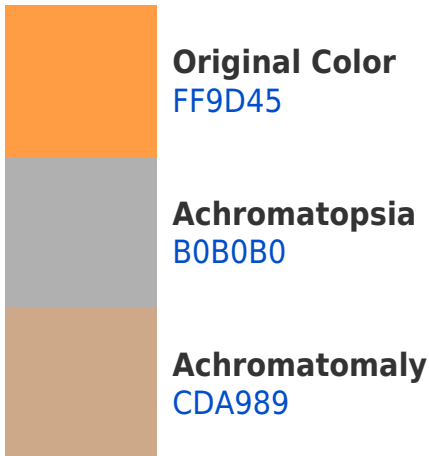


Tritanopia
FF96A0

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex FF9D45 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 #FF9D45 looks like.

```
.text, #text, p{  
    color:#FF9D45  
}
```

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 #FF9D45 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF9D45
}
```

Border

The CSS property to change the border of an element to Hex FF9D45 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
#FF9D45 }
```

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

```
.border{ border-color:#FF9D45 }
```

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

Here you see how a box with a 4 pixel #FF9D45 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF9D45; -webkit-box-shadow:4px 4px  
4px 4px #FF9D45; box-shadow:4px 4px 4px  
4px #FF9D45 }
```

Background

The CSS property to change the background color of an element to Hex FF9D45 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF9D45 }
```

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

```
.background{ background-color:#FF9D45 }
```

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