

Converting Colors

Hex(FF9945)

Have a look what the booklet for
Hex(FF9945) contains.

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Color

Hex(F9945)

Conversions

Conversions Part 1

Format	Color
Hex	FF9945
RGB	255, 153, 69
RGB Percent	100%, 60%, 27%
CMY	0.0000, 0.4000, 0.7294
CMYK	0.00, 0.40, 0.73, 0.00
HSL	27°, 100%, 64%
HSV	27°, 73%, 100%
XYZ	53.7054, 44.4721, 11.3836
YIQ	173.9220, 87.7560, -4.5000

Conversions

Conversions Part 2

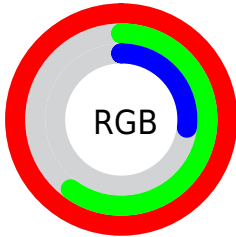
Format	Color
R_{YB}	255, 222, 69
Decimal	16750917
CIE _{Lab}	72.54, 31.71, 58.44
CIE _{LCh}	73, 66.491, 61.516
Yxy	44.4721, 0.4902, 0.4059
Android (android.graphics.Color)	4294940997 (0xFFFF9945)
YUV	173.9220, -51.7265, 71.1054
Hunter-Lab	66.6874, 27.0485, 36.5603

Details

The Hex color **FF9945** 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 **45ABFF**, and the grayscale version is **AEAEAE**.

A 20% lighter version of the original color is **FFD079**, and **C1650B** is the 20% darker color. If you saturate the color by 10%, you get **FF8B2B**, and if you desaturate by 10%, it is **FFA75E**.

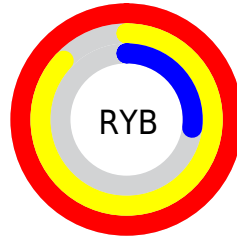
Distribution



Red (100%)

Green (60%)

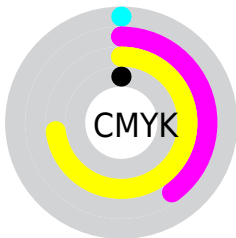
Blue (27%)



Red (100%)

Yellow (87%)

Blue (27%)

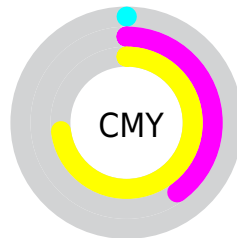


Cyan (0%)

Magenta (40%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (40%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Hex color FF9945 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 FF9945 by changing the saturation by 10% instead.

 FF9945

 FF9945

FFFFFF

 E07F2B

 FFD079

 C1650B

 FFEC94

 A24C00

 FFFF80

 843400

 FFFFCC

 671C00

 FFFFEE

 4A0200

 300000

 000000

 FF9945

 FF9945

 FF8B2B

 FFA75E

 FF7D12

 FFB578

 FF7300

 FFC392

 FFD1AB

 FFD1C4

 FFEDDE

 FFFBF7

FFFFFF

Harmonies

Analogous

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



FF8276



FF9945



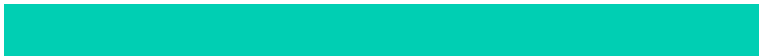
CFB02B

Triad

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



FF9945



00CFB3



B7A1FF

Complementary

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



FF9945



45ABFF

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.



00B8FF



FF9945



00CEFO

Square

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



FF9945



2FCB75



00C7FF



FE87ED

Rectangle

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



FF9945



A8BC36



00C7FF



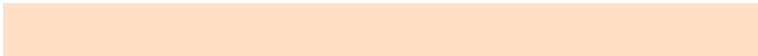
94A9FF

Sweetspot

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



FF9945



FFE0C7



FF45AB



806D5E



000000



808080

Same Dimension

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



FF9945



FF841F



FFF645



807973



BF5600



401D00

Inverse Universe

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



45ABFF



1F9AFF



454EFF



737A80



0069BF



002340

Previews

White Background



This preview shows how the Hex color FF9945 looks on a white background.

Color Contrast Check

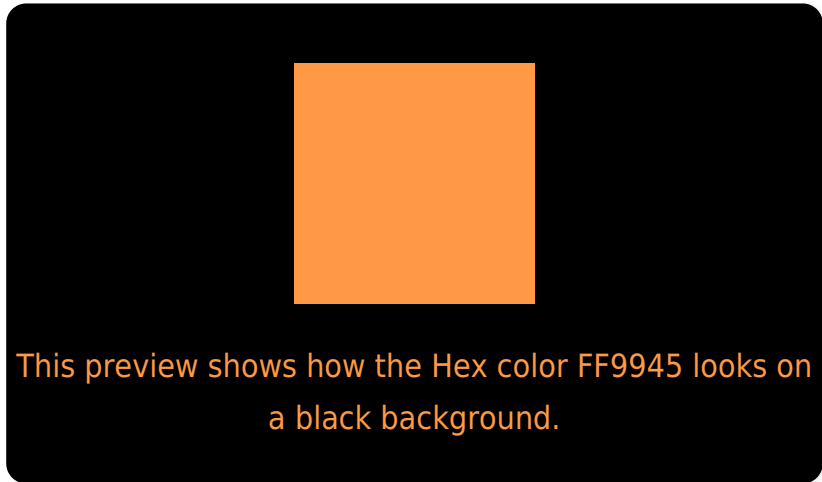
Large Text (above 18pt) WCAG AA × Fail

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 FF9945 Background



This preview shows how black text looks on a background with the Hex color FF9945.



This preview shows how white text looks on a background with the Hex color FF9945.

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
FF9945

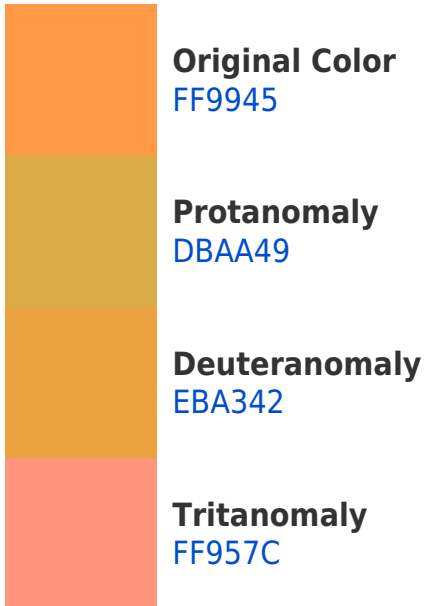
Protanopia
C6B34C

Deuteranopia
DFA940



Tritanopia
FF939C

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex FF9945 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 #FF9945 looks like.

```
.text, #text, p{  
    color:#FF9945  
}
```

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 #FF9945 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF9945
}
```

Border

The CSS property to change the border of an element to Hex FF9945 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
#FF9945 }
```

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

```
.border{ border-color:#FF9945 }
```

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

Here you see how a box with a 4 pixel #FF9945 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF9945; -webkit-box-shadow:4px 4px  
4px 4px #FF9945; box-shadow:4px 4px 4px  
4px #FF9945 }
```

Background

The CSS property to change the background color of an element to Hex FF9945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF9945 }
```

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

```
.background{ background-color:#FF9945 }
```

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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