

Converting Colors

Hex(FF9B00)

Have a look what the booklet for
Hex(FF9B00) contains.

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Color

Hex(FE9B00)

Conversions

Conversions Part 1

Format	Color
Hex	FF9B00
RGB	255, 155, 0
RGB Percent	100%, 61%, 0%
CMY	0.0000, 0.3922, 1.0000
CMYK	0.00, 0.39, 1.00, 0.00
HSL	36°, 100%, 50%
HSV	36°, 100%, 100%
XYZ	52.9613, 44.7027, 5.8371
YIQ	167.2300, 109.3550, -27.0050

Conversions

Conversions Part 2

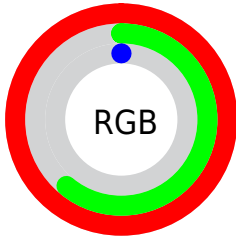
Format	Color
R _Y B	165, 255, 0
Decimal	16751360
CIE Lab	72.70, 29.13, 77.51
CIE LCh	73, 82.806, 69.400
Yxy	44.7027, 0.5117, 0.4319
Android (android.graphics.Color)	4294941440 (0xFFFF9B00)
YUV	167.2300, -82.4444, 76.9743
Hunter-Lab	66.8601, 24.3887, 41.6258

Details

The Hex color **FF9B00** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **0064FF**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **FFD24E**, and **BF6700** is the 20% darker color. If you saturate the color by 10%, you get **FF9B00**, and if you desaturate by 10%, it is **FFA519**.

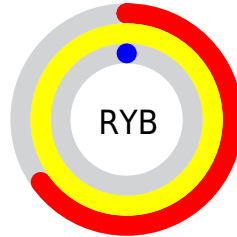
Distribution



Red (100%)

Green (61%)

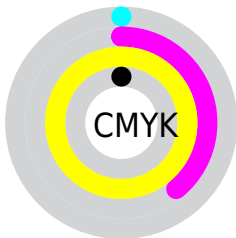
Blue (0%)



Red (65%)

Yellow (100%)

Blue (0%)

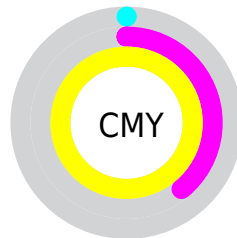


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (39%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color FF9B00 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 FF9B00 by changing the saturation by 10% instead.

 FF9B00

 FF9B00

FFFFFF

 DF8100

 FFD24E

 BF6700

 FFEE6A

 A14F00

 FFFF86

 823700

 FFFFA2

 642000

 FFFFBF

 480700

 FFFFDC

 2F0000

 FFFFFA

 000000

 FF9B00

 FFA519

 FFAF33

 FFB94D

 FFC366

 FFCD80

 FFD799

 FFE1B3

 FFEBCB

 FFF5E6

Harmonies

Analogous

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



FF7855



FF9B00



C0B700

Triad

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



FF9B00



00D5C9



D293FF

Complementary

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



FF9B00



0064FF

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.



00B4FF



FF9B00



00D3FF

Square

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



FF9B00



00D17A



00C9FF



FF6EE9

Rectangle

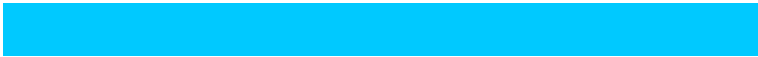
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



FF9B00



8BC305



00C9FF



AA9FFF

Sweetspot

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



FF9B00



FFE1B3



FF0066



806E52



000000



808080

Same Dimension

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



FF9B00



E6FF00



807B73



BF7400



402700

Inverse Universe

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



0064FF



1900FF



737880



004BBF



001940

Previews

White Background



This preview shows how the Hex color FF9B00 looks on a white background.

Color Contrast Check

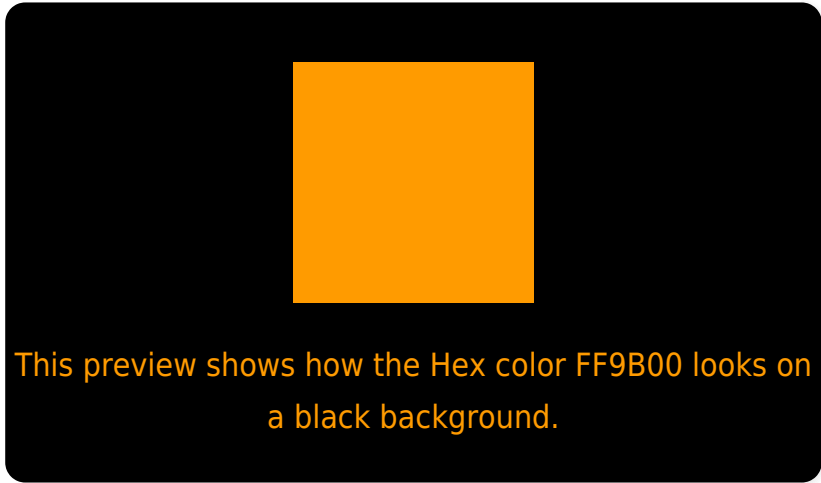
Large Text (above 18pt) WCAG AA × Fail

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 FF9B00 Background



This preview shows how black text looks on a background with the Hex color FF9B00.



This preview shows how white text looks on a background with the Hex color FF9B00.

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
FF9B00

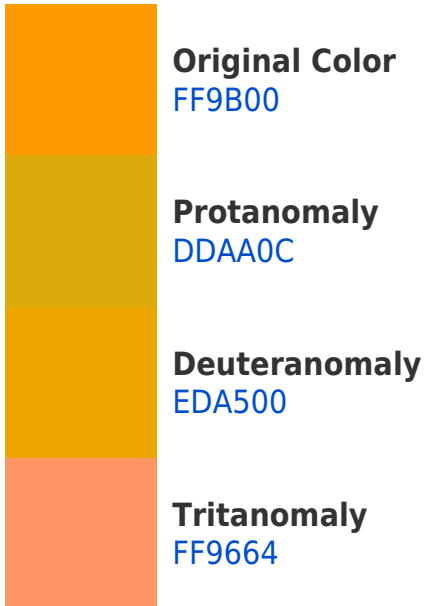
Protanopia
CAB313

Deuteranopia
E2AA00

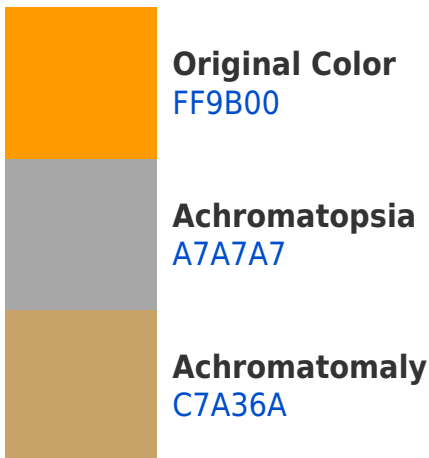


Tritanopia
FF939D

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex FF9B00 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 #FF9B00 looks like.

```
.text, #text, p{  
    color:#FF9B00  
}
```

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 #FF9B00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF9B00
}
```

Border

The CSS property to change the border of an element to Hex FF9B00 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
#FF9B00 }
```

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

```
.border{ border-color:#FF9B00 }
```

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

Here you see how a box with a 4 pixel #FF9B00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF9B00; -webkit-box-shadow:4px 4px  
4px 4px #FF9B00; box-shadow:4px 4px 4px  
4px #FF9B00 }
```

Background

The CSS property to change the background color of an element to Hex FF9B00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF9B00 }
```

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

```
.background{ background-color:#FF9B00 }
```

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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