

# Converting Colors

Hex(FF9E21)

Have a look what the booklet for  
Hex(FF9E21) contains.

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# **Color**

**Hex(FE9E21)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9E21
RGB	255, 158, 33
RGB Percent	100%, 62%, 13%
CMY	0.0000, 0.3804, 0.8706
CMYK	0.00, 0.38, 0.87, 0.00
HSL	34°, 100%, 56%
HSV	34°, 87%, 100%
XYZ	53.7414, 45.8235, 7.4512
YIQ	172.7530, 97.9370, -18.3110

# Conversions

## Conversions Part 2

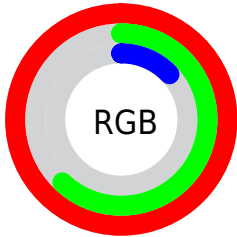
Format	Color
<b>R<sub>YB</sub></b>	205, 255, 33
Decimal	16752161
CIE <sub>Lab</sub>	73.43, 27.98, 72.39
CIE <sub>LCh</sub>	73, 77.603, 68.869
Yxy	45.8235, 0.5022, 0.4282
Android (android.graphics.Color)	4294942241 (0xFFFF9E21)
YUV	172.7530, -68.8982, 72.1306
Hunter-Lab	67.6931, 23.2478, 40.8589

# Details

The Hex color **FF9E21** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **2182FF**, and the grayscale version is **ADADAD**.

A 20% lighter version of the original color is **FFD55C**, and **C06A00** is the 20% darker color. If you saturate the color by 10%, you get **FF9308**, and if you desaturate by 10%, it is **FFA93A**.

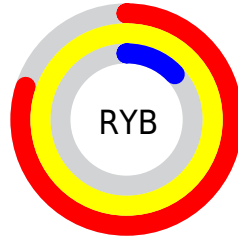
# Distribution



Red (100%)

Green (62%)

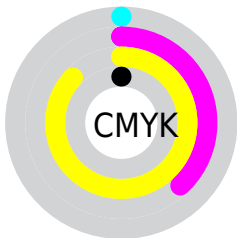
Blue (13%)



Red (80%)

Yellow (100%)

Blue (13%)

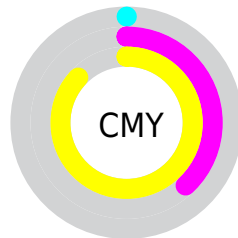


Cyan (0%)

Magenta (38%)

Yellow (87%)

Black (0%)



Cyan (0%)

Magenta (38%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FF9E21 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 FF9E21 by changing the saturation by 10% instead.



 FF9E21

 FF9E21

FFFFFF

 DF8400

 FFD55C

 C06A00

 FFF178

 A15100

 FFFF94

 833A00

 FFFFB0

 652300

 FFFFCC

 490B00

 FFFFEA

 2F0000

 000000

 FF9E21

 FF9E21

 FF9308

 FFA93A

 FF9000

 FFB454

 FFBF6D

 FFCB87

 FFD6A1

 FFE1BA

 FFECD3

 FFF7ED

FFFFFF

# Harmonies

## Analogous

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



FF7F5E



FF9E21



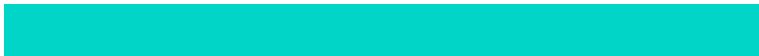
C3B800

# Triad

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



FF9E21



00D5C8



D298FF

# Complementary

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



FF9E21



2182FF

# 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.



15B6FF



FF9E21



00D3FF

# Square

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



FF9E21



00D27E



00CAFF



FF78E9

# Rectangle

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



FF9E21



93C423



00CAFF



ADA3FF



# Sweetspot

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



FF9E21



FFE2BD



FF2185



806E58



000000



808080



# Same Dimension

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



FF9E21



FF9000



F4FF21



807A73



BF6C00



402400



# Inverse Universe

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



2182FF



006FFF



2C21FF



737880



0054BF



001C40



# Previews

## White Background



This preview shows how the Hex color FF9E21 looks on a white background.

## Color Contrast Check

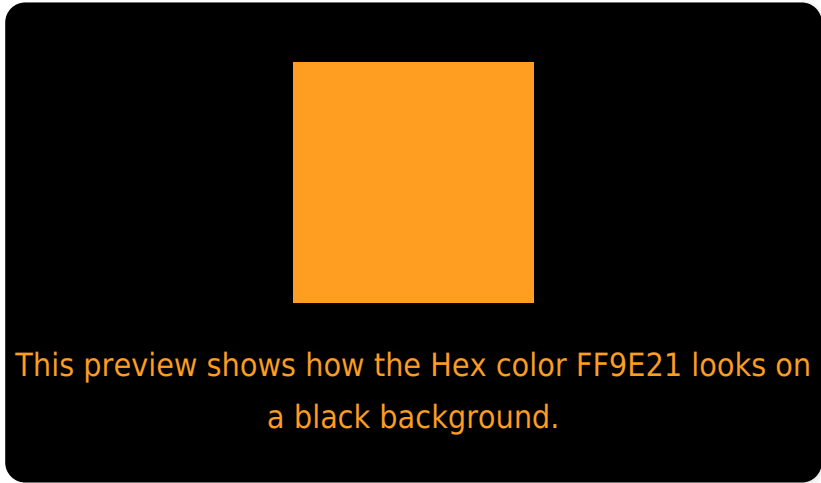
Large Text (above 18pt) WCAG AA × Fail

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 FF9E21 Background



This preview shows how black text looks on a background with the Hex color FF9E21.



This preview shows how white text looks on a background with the Hex color FF9E21.

# 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**  
FF9E21

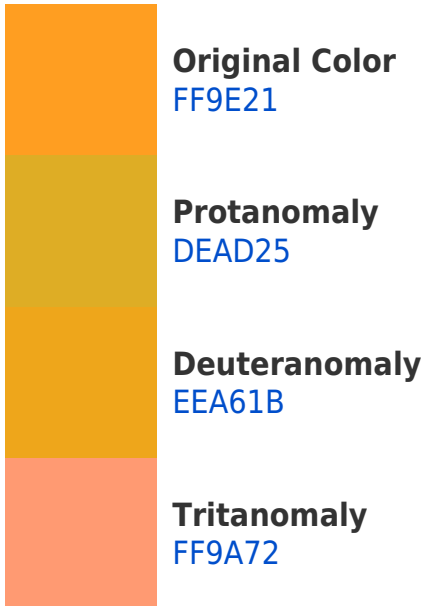
**Protanopia**  
CBB527

**Deuteranopia**  
E4AB17

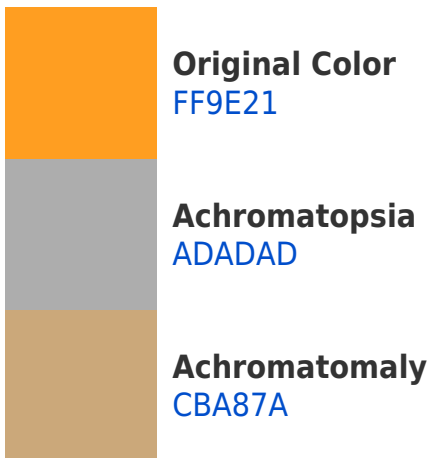


**Tritanopia**  
FF97A0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex FF9E21 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 #FF9E21 looks like.

```
.text, #text, p{  
    color:#FF9E21  
}
```

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 #FF9E21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF9E21
}
```

## Border

The CSS property to change the border of an element to Hex FF9E21 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
#FF9E21 }
```

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

```
.border{ border-color:#FF9E21 }
```

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

Here you see how a box with a 4 pixel #FF9E21 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF9E21; -webkit-box-shadow:4px 4px  
4px 4px #FF9E21; box-shadow:4px 4px 4px  
4px #FF9E21 }
```

# Background

The CSS property to change the background color of an element to Hex FF9E21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF9E21 }
```

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

```
.background{ background-color:#FF9E21 }
```

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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