

# Converting Colors

Hex(009B21)

Have a look what the booklet for  
Hex(009B21) contains.

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**Color**

**Hex(009B21)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009B21
RGB	0, 155, 33
RGB Percent	0%, 61%, 13%
CMY	1.0000, 0.3922, 0.8706
CMYK	1.00, 0.00, 0.79, 0.39
HSL	133°, 100%, 30%
HSV	133°, 100%, 61%
XYZ	11.9959, 23.5525, 5.3527
YIQ	94.7470, -53.2180, -70.8020

# Conversions

## Conversions Part 2

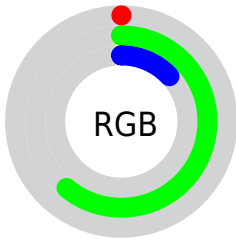
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 128, 155
Decimal	39713
CIELab	55.64, -57.98, 50.25
CIELCh	56, 76.720, 139.085
Yxy	23.5525, 0.2933, 0.5758
Android (android.graphics.Color)	4278229793 (0xFF009B21)
YUV	94.7470, -30.4413, -83.0931
Hunter-Lab	48.5309, -40.8075, 27.4323

# Details

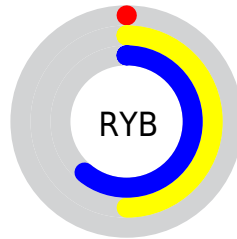
The Hex color **009B21** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9B007A**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **59D357**, and **006600** is the 20% darker color. If you saturate the color by 10%, you get **009B21**, and if you desaturate by 10%, it is **0F9B2D**.

# Distribution



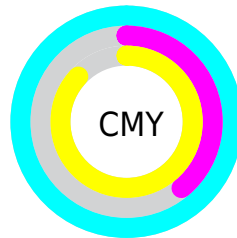
- Red (0%)
- Green (61%)
- Blue (13%)



- Red (0%)
- Yellow (50%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 009B21 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 009B21 by changing the saturation by 10% instead.



 009B21

 009B21

FFFFFF

 008000

 59D357

 006600

 78F072

 004D00

 95FF8C

 003500

 B3FFA8

 001C00

 D1FFC4

 000000

 EFFFEE

FFFFFFE

 009B21

 0F9B2D

 1F9B39

 2F9B46

 3E9B52

 4E9B5E

 5D9B6A

 6C9B76

 7C9B83

 8B9B8F

# Harmonies

## Analogous

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



798F00



009B21



00A16A

# Triad

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



009B21



0095FF



F8375E

# Complementary

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



009B21



9B007A

# 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.



EE38A1



009B21



3B7EFF

# Square

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



009B21



009FEA



BB5CDE



E25A1D

# Rectangle

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



009B21



00A298



BB5CDE



F93174



# Sweetspot

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



009B21



8DC99A



7C9B00



416649



E6E6E6



666666



# Same Dimension

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



009B21



00C92B



009B6D



454D46



008C1E



000D03



# Inverse Universe

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



9B007A



C9009F



9B002F



4D454B



8C006E

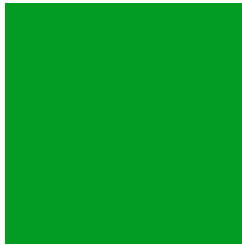


0D000A



# Previews

## White Background



This preview shows how the Hex color 009B21 looks on a white background.

## Color Contrast Check

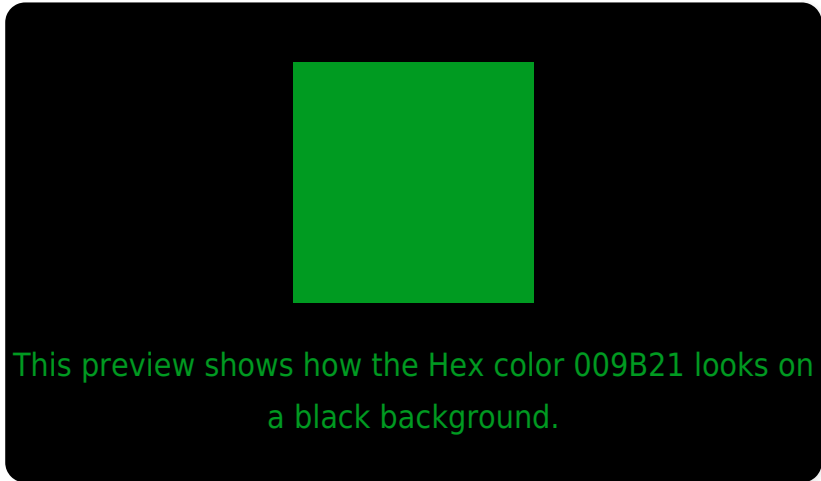
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 009B21 Background



This preview shows how black text looks on a background with the Hex color 009B21.



This preview shows how white text looks on a background with the Hex color 009B21.

# 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**  
40909C

# Trichromacy



**Original Color**  
009B21



**Protanomaly**  
5F8D1D



**Deuteranomaly**  
6A8929



**Tritanomaly**  
29946F

# Monochromacy



**Original Color**  
009B21



**Achromatopsia**  
5F5F5F



**Achromatomaly**  
3C7548

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 009B21 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 #009B21 looks like.

```
.text, #text, p{  
    color:#009B21  
}
```

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 #009B21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009B21
}
```

## Border

The CSS property to change the border of an element to Hex 009B21 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".

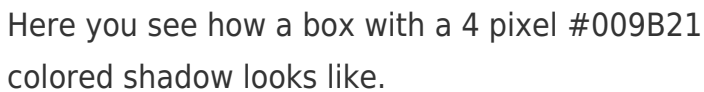
```
.border, #border, table{ border:4px solid
#009B21 }
```

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

```
.border{ border-color:#009B21 }
```

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

Here you see how a box with a 4 pixel #009B21 colored shadow looks like.

A rectangular box with a thick green border and a green shadow. The shadow is visible on the right and bottom edges of the box, creating a 3D effect. The text inside the box is black and describes the visual result of the CSS code.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009B21; -webkit-box-shadow:4px 4px  
4px 4px #009B21; box-shadow:4px 4px 4px  
4px #009B21 }
```

# Background

The CSS property to change the background color of an element to Hex 009B21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009B21 }
```

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

```
.background{ background-color:#009B21 }
```

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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