

# Converting Colors

Hex(009B31)

Have a look what the booklet for  
Hex(009B31) contains.

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**Color**

**Hex(009B31)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	009B31
RGB	0, 155, 49
RGB Percent	0%, 61%, 19%
CMY	1.0000, 0.3922, 0.8078
CMYK	1.00, 0.00, 0.68, 0.39
HSL	139°, 100%, 30%
HSV	139°, 100%, 61%
XYZ	12.2757, 23.6644, 6.8264
YIQ	96.5710, -58.3540, -65.8260

# Conversions

## Conversions Part 2

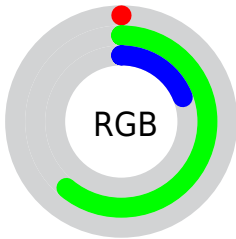
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 118, 155
Decimal	39729
CIELab	55.75, -56.53, 44.25
CIELCh	56, 71.791, 141.944
Yxy	23.6644, 0.2870, 0.5533
Android (android.graphics.Color)	4278229809 (0xFF009B31)
YUV	96.5710, -23.4525, -84.6928
Hunter-Lab	48.6461, -40.0867, 25.7322

# Details

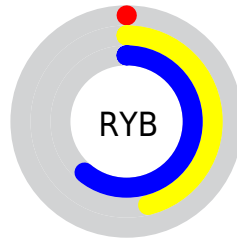
The Hex color **009B31** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9B006A**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **58D364**, and **006600** is the 20% darker color. If you saturate the color by 10%, you get **009B31**, and if you desaturate by 10%, it is **0F9B3C**.

# Distribution



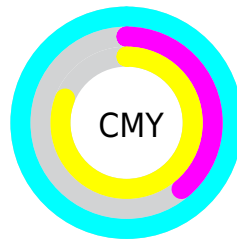
- Red (0%)
- Green (61%)
- Blue (19%)



- Red (0%)
- Yellow (46%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (68%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 009B31 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 009B31 by changing the saturation by 10% instead.



 009B31

 009B31

FFFFFF

 008016

 58D364

 006600

 77F07F

 004D00

 94FF99

 003500

 B2FFB5

 001C00

 D0FFD1

 000000

 EEFFEE

 009B31

 0F9B3C

 1F9B46

 2F9B51

 3E9B5B

 4E9B66

 5D9B71

 6C9B7B

 7C9B86

 8B9B90

# Harmonies

## Analogous

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



759000



009B31



00A072

# Triad

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



009B31



0092FF



F1445B

# Complementary

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



009B31



9B006A

# 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.



EB4099



009B31



5B7CFA

# Square

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



009B31



009EE7



BF5DD3



DA611F

# Rectangle

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



009B31



00A19E



BF5DD3



F33E6F



# Sweetspot

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



009B31



8DC9A0



6C9B00



41664D



E6E6E6



666666



# Same Dimension

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



009B31



00C940



009B7C



454D47



008C2C



000D04



# Inverse Universe

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



9B006A



C9008A



9B001F



4D454A



8C0060



0D0009



# Previews

## White Background



This preview shows how the Hex color 009B31 looks on a white background.

## Color Contrast Check

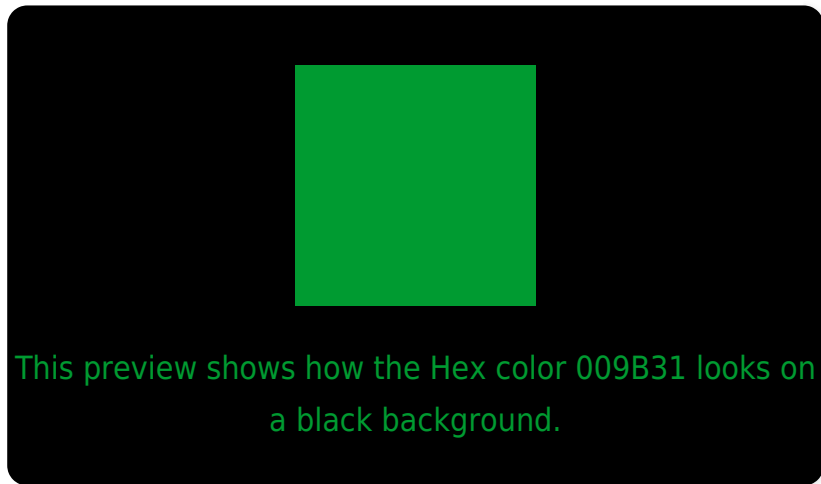
Large Text (above 18pt) WCAG AA ✓ Pass

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 009B31 Background



This preview shows how black text looks on a background with the Hex color 009B31.



This preview shows how white text looks on a background with the Hex color 009B31.

# 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**  
009B31

**Protanopia**  
95852B

**Deuteranopia**  
A57E3B



**Tritanopia**  
3F919D

# Trichromacy



**Original Color**  
009B31



**Protanomaly**  
5F8D2D



**Deuteranomaly**  
698937



**Tritanomaly**  
289576

# Monochromacy



**Original Color**  
009B31



**Achromatopsia**  
616161



**Achromatomaly**  
3E7650

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 009B31 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 #009B31 looks like.

```
.text, #text, p{  
    color:#009B31  
}
```

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 #009B31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009B31
}
```

## Border

The CSS property to change the border of an element to Hex 009B31 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
#009B31 }
```

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

```
.border{ border-color:#009B31 }
```

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

Here you see how a box with a 4 pixel #009B31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009B31; -webkit-box-shadow:4px 4px  
4px 4px #009B31; box-shadow:4px 4px 4px  
4px #009B31 }
```

# Background

The CSS property to change the background color of an element to Hex 009B31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009B31 }
```

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

```
.background{ background-color:#009B31 }
```

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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