

# Converting Colors

Hex(033211)

Have a look what the booklet for  
Hex(033211) contains.

<b>Hex(033211)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(033211)**

# Conversions

## Conversions Part 1

Format	Color
Hex	033211
RGB	3, 50, 17
RGB Percent	1%, 20%, 7%
CMY	0.9882, 0.8039, 0.9333
CMYK	0.94, 0.00, 0.66, 0.80
HSL	138°, 89%, 10%
HSV	138°, 94%, 20%
XYZ	1.2793, 2.3410, 0.9148
YIQ	32.1850, -17.4190, -20.2270

# Conversions

## Conversions Part 2

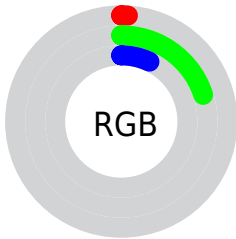
<b>Format</b>	<b>Color</b>
<b>RYB</b>	3, 39, 50
Decimal	209425
CIELab	17.18, -24.10, 16.54
CIELCh	17, 29.229, 145.529
Yxy	2.3410, 0.2821, 0.5162
Android (android.graphics.Color)	4278399505 (0xFF033211)
YUV	32.1850, -7.4862, -25.5952
Hunter-Lab	15.3004, -11.8507, 7.1656

# Details

The Hex color **033211** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **320324**, and the grayscale version is **202020**.

A 20% lighter version of the original color is **35613C**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **00320F**, and if you desaturate by 10%, it is **083215**.

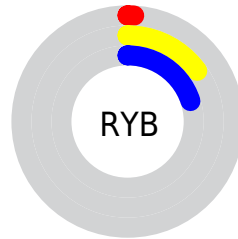
# Distribution



Red (1%)

Green (20%)

Blue (7%)



Red (1%)

Yellow (15%)

Blue (20%)

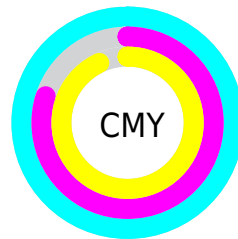


Cyan (94%)

Magenta (0%)

Yellow (66%)

Black (80%)



Cyan (99%)

Magenta (80%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 033211 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 033211 by changing the saturation by 10% instead.



 033211

 033211

 EEEFF2

 001E00

 35613C

 000000

 4D7A53

 66946C

 80AF85

 9BCA9F

 B6E7BA

 D2FFD6

 033211

 033211

■ 00320F

■ 083215

■ 0D3218

■ 12321C

■ 17321F

■ 1C3223

■ 213226

■ 26322A

■ 2B322D

■ 303231

# Harmonies

## Analogous

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



242E00



033211



003426

# Triad

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



033211



002E54



4F171A

# Complementary

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



033211



320324

# 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.



4E152E



033211



242650

# Square

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



033211



00324D



401C42



472003

# Rectangle

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



033211



003435



401C42



501520



# Sweetspot

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



033211



2E4033



253203



162119



A1A1A1



212121



# Same Dimension

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



033211



004013



033228



171A18



00591B



00D941



# Inverse Universe

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



320324



40002D



32030D



1A1719



59003F

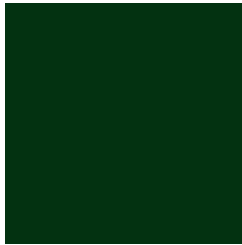


D90098



# Previews

## White Background



This preview shows how the Hex color 033211 looks on a white background.

## Color Contrast Check

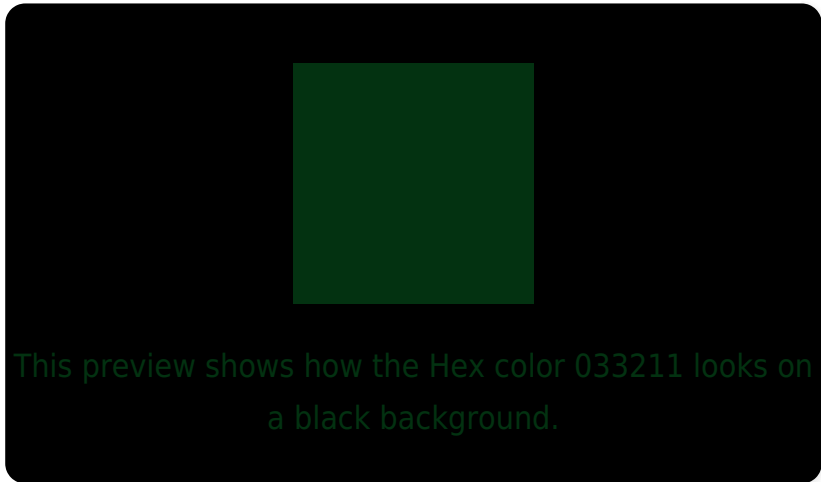
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

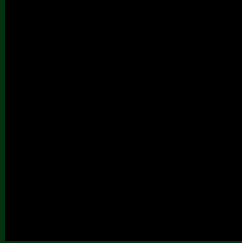
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 033211 Background



This preview shows how black text looks on a background with the Hex color 033211.



This preview shows how white text looks on a background with the Hex color 033211.

# 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**  
033211

**Protanopia**  
302B0F

**Deuteranopia**  
352914



**Tritanopia**  
142F33

# Trichromacy



**Original Color**  
033211

**Protanomaly**  
202E10

**Deuteranomaly**  
232C13

**Tritanomaly**  
0E3027

# Monochromacy



**Original Color**  
033211

**Achromatopsia**  
202020

**Achromatomaly**  
15271B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 033211 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 #033211 looks like.

```
.text, #text, p{  
    color:#033211  
}
```

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 #033211 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #033211  
}
```

## Border

The CSS property to change the border of an element to Hex 033211 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  
#033211 }
```

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

```
.border{ border-color:#033211 }
```

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

Here you see how a box with a 4 pixel #033211 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #033211; -webkit-box-shadow:4px 4px  
4px 4px #033211; box-shadow:4px 4px 4px  
4px #033211 }
```

# Background

The CSS property to change the background color of an element to Hex 033211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#033211 }
```

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

```
.background{ background-color:#033211 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor