

# Converting Colors

Hex(00330A)

Have a look what the booklet for  
Hex(00330A) contains.

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# Color

**Hex(00330A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	00330A
RGB	0, 51, 10
RGB Percent	0%, 20%, 4%
CMY	1.0000, 0.8000, 0.9608
CMYK	1.00, 0.00, 0.80, 0.80
HSL	132°, 100%, 10%
HSV	132°, 100%, 20%
XYZ	1.2386, 2.3896, 0.6831
YIQ	31.0770, -17.2350, -23.5630

# Conversions

## Conversions Part 2

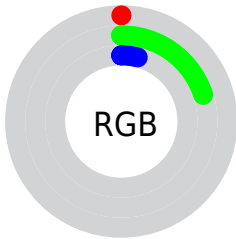
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 43, 51
Decimal	13066
CIELab	17.41, -26.35, 20.25
CIELCh	17, 33.235, 142.463
Yxy	2.3896, 0.2873, 0.5543
Android (android.graphics.Color)	4278203146 (0xFF00330A)
YUV	31.0770, -10.3910, -27.2545
Hunter-Lab	15.4582, -12.7493, 8.2007

# Details

The Hex color **00330A** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **330029**, and the grayscale version is **1F1F1F**.

A 20% lighter version of the original color is **336236**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **00330A**, and if you desaturate by 10%, it is **05330E**.

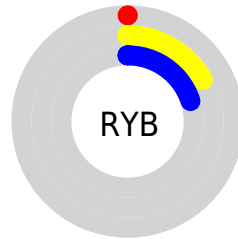
# Distribution



Red (0%)

Green (20%)

Blue (4%)



Red (0%)

Yellow (17%)

Blue (20%)

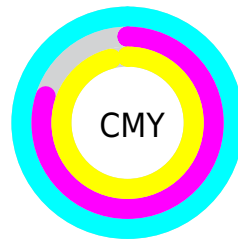


Cyan (100%)

Magenta (0%)

Yellow (80%)

Black (80%)



Cyan (100%)

Magenta (80%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00330A 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 00330A by changing the saturation by 10% instead.



 00330A

 00330A

 EDF FEC

 001F00

 336236

 000000

 4C7B4D

 659566

 7FB07F

 99CC99

 B5E8B4

 D1FFCF

 00330A

■ 05330E

■ 0A3312

■ 0F3316

■ 14331A

■ 1A331F

■ 1F3323

■ 243327

■ 29332B

■ 2E332F

# Harmonies

## Analogous

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



262F00



00330A



003524

# Triad

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



00330A



002F5A



54121A

# Complementary

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



00330A



330029

# 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.



521032



00330A



1C2757

# Square

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



00330A



003450



411B48



4B1D00

# Rectangle

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



00330A



003534



411B48



551022



# Sweetspot

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



00330A



2E4232



2A3300



152118



A1A1A1



212121



# Same Dimension

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



00330A



00420D



003323



171A17



005912



00D92B



# Inverse Universe

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



330029



420035



330010



1A1719



590048



D900AE



# Previews

## White Background



This preview shows how the Hex color 00330A looks on a white background.

## Color Contrast Check

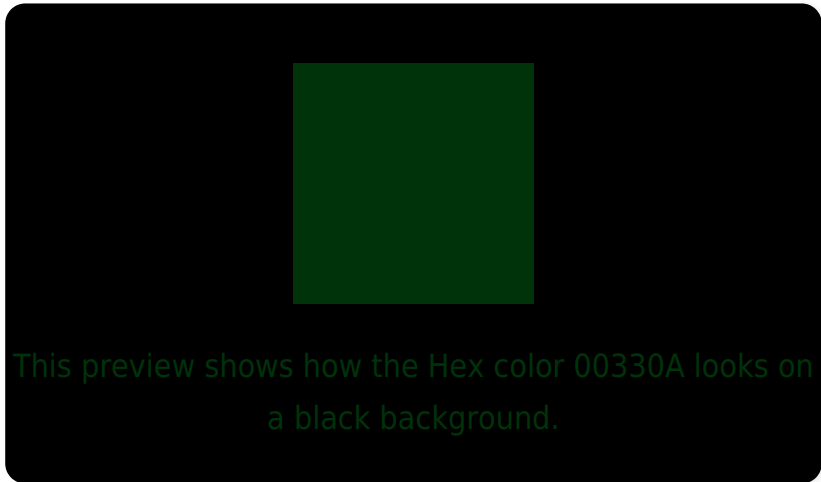
Large Text (above 18pt) WCAG AA ✓ Pass

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

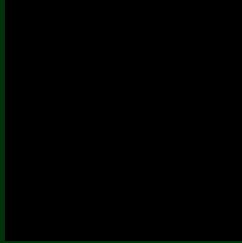
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 00330A Background



This preview shows how black text looks on a background with the Hex color 00330A.



This preview shows how white text looks on a background with the Hex color 00330A.

# 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**  
00330A

**Protanopia**  
312C08

**Deuteranopia**  
37290F



**Tritanopia**  
152F33

# Trichromacy



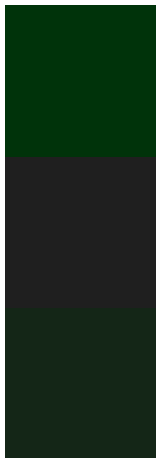
**Original Color**  
00330A

**Protanomaly**  
1F2F09

**Deuteranomaly**  
232D0D

**Tritanomaly**  
0D3024

# Monochromacy



**Original Color**  
00330A

**Achromatopsia**  
1F1F1F

**Achromatomaly**  
142617

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00330A 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 #00330A looks like.

```
.text, #text, p{  
    color:#00330A  
}
```

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 #00330A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00330A
}
```

## Border

The CSS property to change the border of an element to Hex 00330A 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".

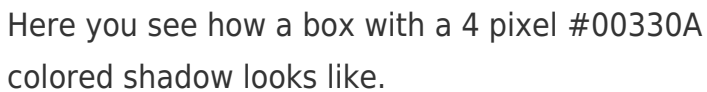
```
.border, #border, table{ border:4px solid
#00330A }
```

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

```
.border{ border-color:#00330A }
```

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

Here you see how a box with a 4 pixel #00330A colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00330A; -webkit-box-shadow:4px 4px  
4px 4px #00330A; box-shadow:4px 4px 4px  
4px #00330A }
```

# Background

The CSS property to change the background color of an element to Hex 00330A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00330A }
```

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

```
.background{ background-color:#00330A }
```

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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