

# Converting Colors

Hex(00200C)

Have a look what the booklet for  
Hex(00200C) contains.

<b>Hex(00200C)</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(00200C)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	00200C
RGB	0, 32, 12
RGB Percent	0%, 13%, 5%
CMY	1.0000, 0.8745, 0.9529
CMYK	1.00, 0.00, 0.62, 0.87
HSL	142°, 100%, 6%
HSV	142°, 100%, 13%
XYZ	0.5829, 1.0596, 0.5216
YIQ	20.1520, -12.6520, -13.0040

# Conversions

## Conversions Part 2

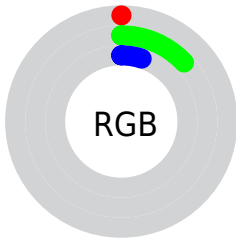
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 23, 32
Decimal	8204
CIELab	9.48, -16.98, 8.88
CIELCh	9, 19.160, 152.386
Yxy	1.0596, 0.2693, 0.4896
Android (android.graphics.Color)	4278198284 (0xFF00200C)
YUV	20.1520, -4.0189, -17.6733
Hunter-Lab	10.2935, -7.9061, 4.2010

# Details

The Hex color **00200C** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **200014**, and the grayscale version is **141414**.

A 20% lighter version of the original color is **2D4C37**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **00200C**, and if you desaturate by 10%, it is **03200E**.

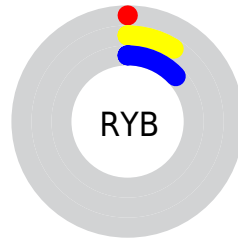
# Distribution



Red (0%)

Green (13%)

Blue (5%)



Red (0%)

Yellow (9%)

Blue (13%)

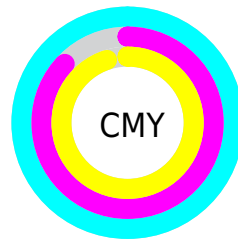


Cyan (100%)

Magenta (0%)

Yellow (62%)

Black (87%)



Cyan (100%)

Magenta (87%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00200C 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 00200C by changing the saturation by 10% instead.



 00200C

 00200C

 E1FFEC

 000000

 2D4C37

 44644E

 5C7D66

 75977F

 8FB299

 AACEB4

 C5EACF

 00200C

■ 03200E

■ 062010

■ 0A2012

■ 0D2014

■ 102016

■ 132018

■ 16201A

■ 1A201C

■ 1D201E

# Harmonies

## Analogous

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



161E00



00200C



00211B

# Triad

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



00200C



001C34



31100A

# Complementary

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



00200C



200014

# 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.



310E1A



00200C



1C1730

# Square

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



00200C



001F31



2B1127



2C1500

# Rectangle

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



00200C



002124



2B1127



320F11



# Sweetspot

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



00200C



1D2921



142000



0D1410



949494



141414



# Same Dimension

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



00200C



00290F



00201C



0E0F0E



004F1E



00CF4D



# Inverse Universe

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



200014



29001A



200004



0F0E0F



4F0031



CF0081



# Previews

## White Background



This preview shows how the Hex color 00200C looks on a white background.

## Color Contrast Check

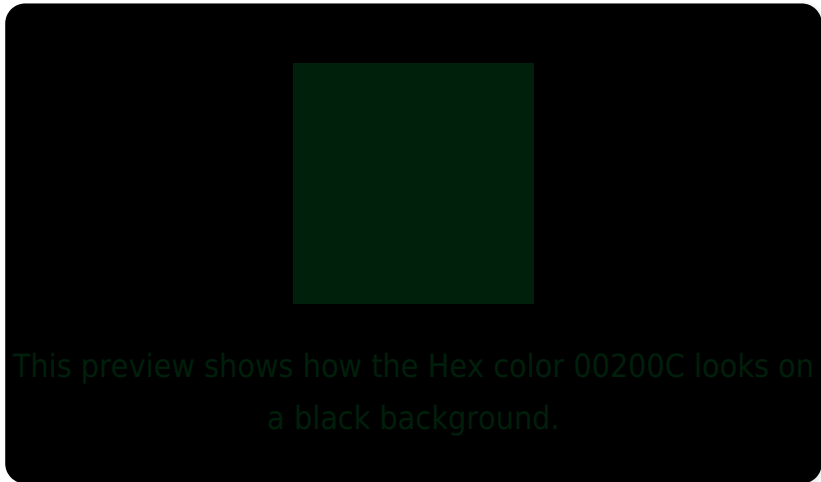
Large Text (above 18pt) WCAG AA ✓ Pass

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

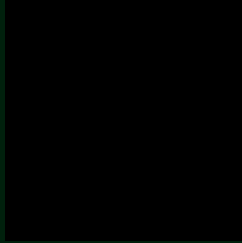
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 00200C Background



This preview shows how black text looks on a background with the Hex color 00200C.



This preview shows how white text looks on a background with the Hex color 00200C.

# 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**  
00200C

**Protanopia**  
1F1C0B

**Deuteranopia**  
221A0E



**Tritanopia**  
0D1E20

# Trichromacy



**Original Color**  
00200C

**Protanomaly**  
141D0B

**Deuteranomaly**  
161C0D

**Tritanomaly**  
081F19

# Monochromacy



**Original Color**  
00200C

**Achromatopsia**  
141414

**Achromatomaly**  
0D1811

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00200C 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 #00200C looks like.

```
.text, #text, p{  
    color:#00200C  
}
```

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 #00200C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00200C  
}
```

## Border

The CSS property to change the border of an element to Hex 00200C is called "border". The border property can be set on classes, ids or directly on the HTML element.

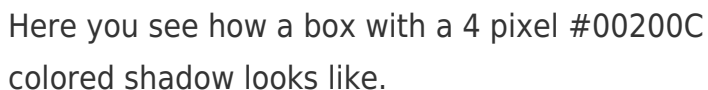
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#00200C }
```

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

```
.border{ border-color:#00200C }
```

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



Here you see how a box with a 4 pixel #00200C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00200C; -webkit-box-shadow:4px 4px  
4px 4px #00200C; box-shadow:4px 4px 4px  
4px #00200C }
```

# Background

The CSS property to change the background color of an element to Hex 00200C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00200C }
```

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

```
.background{ background-color:#00200C }
```

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