

# Converting Colors

Hex(233012)

Have a look what the booklet for  
Hex(233012) contains.

<b>Hex(233012)</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(233012)

# Conversions

## Conversions Part 1

Format	Color
Hex	233012
RGB	35, 48, 18
RGB Percent	14%, 19%, 7%
CMY	0.8627, 0.8118, 0.9294
CMYK	0.27, 0.00, 0.63, 0.81
HSL	86°, 45%, 13%
HSV	86°, 62%, 19%
XYZ	1.8593, 2.5149, 0.9597
YIQ	40.6930, 1.8820, -12.0860

# Conversions

## Conversions Part 2

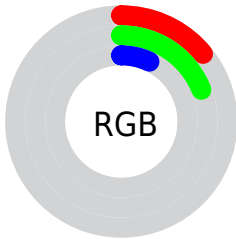
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	18, 48, 31
Decimal	2306066
CIE <sub>Lab</sub>	17.99, -11.77, 17.28
CIE <sub>LCh</sub>	18, 20.910, 124.253
Yxy	2.5149, 0.3486, 0.4715
Android (android.graphics.Color)	4280496146 (0xFF233012)
YUV	40.6930, -11.1876, -4.9928
Hunter-Lab	15.8584, -6.8246, 7.5129

# Details

The Hex color **233012** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **1F1230**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **505E3D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **21300D**, and if you desaturate by 10%, it is **253017**.

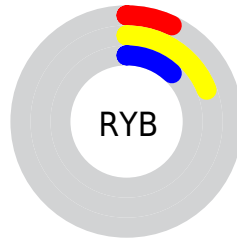
# Distribution



Red (14%)

Green (19%)

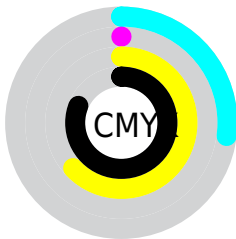
Blue (7%)



Red (7%)

Yellow (19%)

Blue (12%)

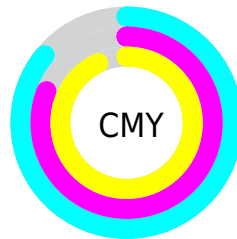


Cyan (27%)

Magenta (0%)

Yellow (63%)

Black (81%)



Cyan (86%)

Magenta (81%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 233012 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 233012 by changing the saturation by 10% instead.



 233012

 233012

 FFFFF4

 0E1B00

 505E3D

 000000

 697754

 82906D

 9CAB86

 B7C6A0

 D3E2BC

 F0FFD7

 233012

 233012

■ 21300D

■ 253017

■ 1F3008

■ 27301C

■ 1D3004

■ 293020

■ 1B3000

■ 2B3025

■ 2D302A

■ 2F302F

■ 323034

■ 343038

■ 36303D

# Harmonies

## Analogous

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



332C0C



233012



0E331E

# Triad

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



233012



003147



481F2A

# Complementary

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



233012



1F1230

# 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.



402239



233012



152D4A

# Square

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



233012



00333C



302745



47211C

# Rectangle

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



233012



003328



302745



461F30



# Sweetspot

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



233012



383D32



301F12



1C1F18



9E9E9E



1F1F1F



# Same Dimension

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



233012



293D0F



153012



161715



315700



79D600



# Inverse Universe

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



1F1230



230F3D



2E1230



161517



260057

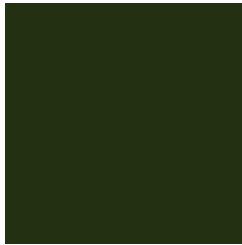


5D00D6



# Previews

## White Background



This preview shows how the Hex color 233012 looks on a white background.

## Color Contrast Check

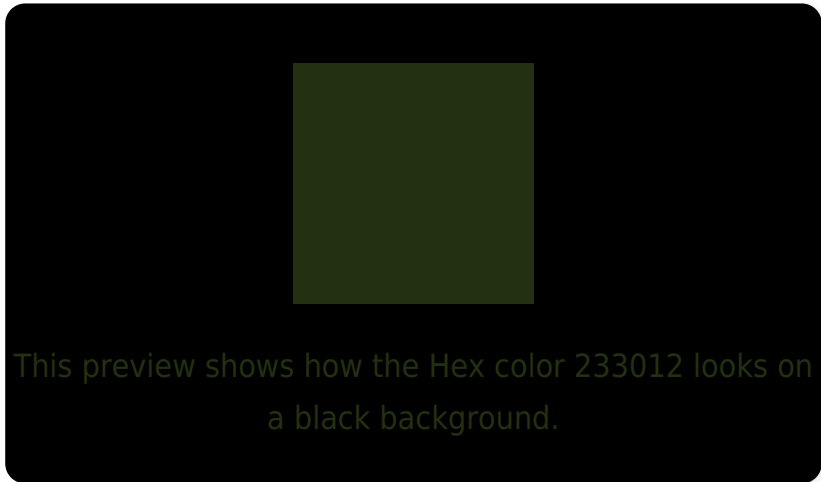
Large Text (above 18pt) WCAG AA ✓ Pass

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

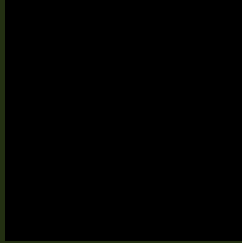
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 233012 Background



This preview shows how black text looks on a background with the Hex color 233012.



This preview shows how white text looks on a background with the Hex color 233012.

# 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**  
233012

**Protanopia**  
312C11

**Deuteranopia**  
362A14



**Tritanopia**  
272D31

# Trichromacy



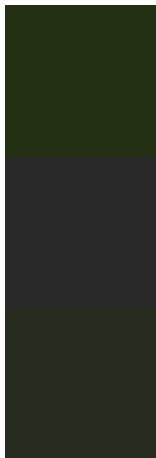
**Original Color**  
233012

**Protanomaly**  
2C2D11

**Deuteranomaly**  
2F2C13

**Tritanomaly**  
262E26

# Monochromacy



**Original Color**  
233012

**Achromatopsia**  
292929

**Achromatomaly**  
272C21

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 233012 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 #233012 looks like.

```
.text, #text, p{  
    color:#233012  
}
```

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 #233012 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #233012
}
```

## Border

The CSS property to change the border of an element to Hex 233012 is called "border". The border property can be set on classes, ids or directly on the HTML element.

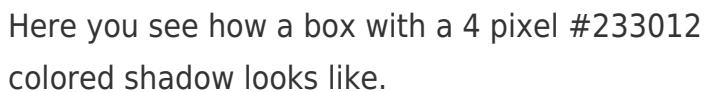
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#233012 }
```

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

```
.border{ border-color:#233012 }
```

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



Here you see how a box with a 4 pixel #233012 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #233012; -webkit-box-shadow:4px 4px  
4px 4px #233012; box-shadow:4px 4px 4px  
4px #233012 }
```

# Background

The CSS property to change the background color of an element to Hex 233012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#233012 }
```

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

```
.background{ background-color:#233012 }
```

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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