

# Converting Colors

Hex(3B233C)

Have a look what the booklet for  
Hex(3B233C) contains.

<b>Hex(3B233C)</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(3B233C)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3B233C
RGB	59, 35, 60
RGB Percent	23%, 14%, 24%
CMY	0.7686, 0.8627, 0.7647
CMYK	0.02, 0.42, 0.00, 0.76
HSL	298°, 26%, 19%
HSV	298°, 42%, 24%
XYZ	3.2203, 2.4581, 4.5797
YIQ	45.0260, 6.2790, 12.8630

# Conversions

## Conversions Part 2

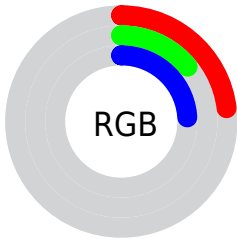
Format	Color
<a href="#">RYB</a>	<a href="#">59, 35, 60</a>
Decimal	<a href="#">3875644</a>
CIELab	<a href="#">17.73, 16.41, -11.40</a>
CIElCh	<a href="#">18, 19.984, 325.210</a>
Yxy	<a href="#">2.4581, 0.3139, 0.2396</a>
Android (android.graphics.Color)	<a href="#">4282065724 (0xFF3B233C)</a>
YUV	<a href="#">45.0260, 7.3822, 12.2552</a>
Hunter-Lab	<a href="#">15.6784, 9.2260, -6.3439</a>

# Details

The Hex color **3B233C** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **243C23**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **6B506B**, and **090011** is the 20% darker color. If you saturate the color by 10%, you get **3B1D3C**, and if you desaturate by 10%, it is **3B293C**.

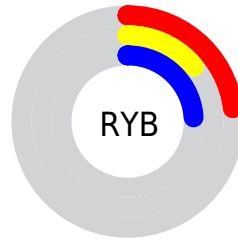
# Distribution



Red (23%)

Green (14%)

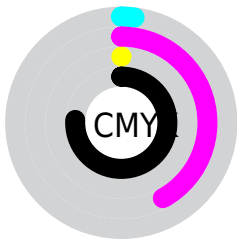
Blue (24%)



Red (23%)

Yellow (14%)

Blue (24%)

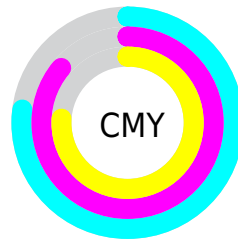


Cyan (2%)

Magenta (42%)

Yellow (0%)

Black (76%)



Cyan (77%)

Magenta (86%)

Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3B233C 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 3B233C by changing the saturation by 10% instead.





3B233C



3B233C

FFFFFF



250E26



6B506B



090011



846885



000000



9F829F



BA9CBA



D5B7D5



F2D2F2



FFEEFF



3B233C



3B233C

■ 3B1D3C

■ 3B293C

■ 3B173C

■ 3B2F3C

■ 3A113C

■ 3C353C

■ 3A0B3C

■ 3C3B3C

■ 3A053C

■ 3C413C

■ 3A003C

■ 3C473C

■ 3D4D3C

■ 3D533C

■ 3D593C

# Harmonies

## Analogous

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



292945



3B233C



451F2E

# Triad

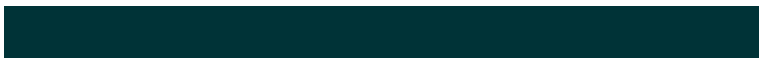
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



3B233C



362A0D



003337

# Complementary

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



3B233C



243C23

# 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.



003329



3B233C



282E10

# Square

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



3B233C



412514



16311A



003143

# Rectangle

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



3B233C



471F25



16311A



003332



# Sweetspot

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



3B233C



4F454F



23243C



292229



A8A8A8



292929



# Same Dimension

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



3B233C



4D284F



3C2331



1E1C1F



5B005E



D500DE



# Inverse Universe

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



3C2324



4F2829



233C2E



1F1C1C



5E0004



DE0009



# Previews

## White Background



This preview shows how the Hex color 3B233C looks on a white background.

## Color Contrast Check

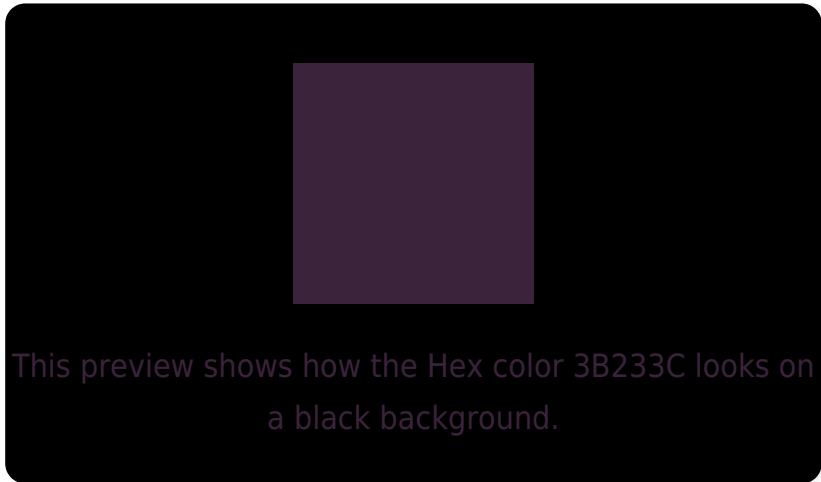
Large Text (above 18pt) WCAG AA ✓ Pass

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

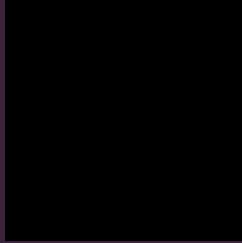
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3B233C Background



This preview shows how black text looks on a background with the Hex color 3B233C.



This preview shows how white text looks on a background with the Hex color 3B233C.

# 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](#).

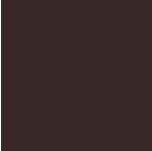
## Dichromacy



**Original Color**  
3B233C

**Protanopia**  
242B42

**Deuteranopia**  
282B3A



**Tritanopia**  
39272A

# Trichromacy



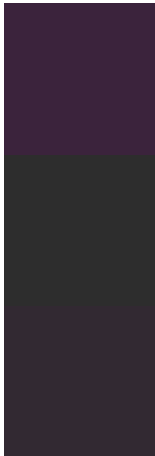
**Original Color**  
3B233C

**Protanomaly**  
2C2840

**Deuteranomaly**  
2F283B

**Tritanomaly**  
3A2631

# Monochromacy



**Original Color**  
3B233C

**Achromatopsia**  
2D2D2D

**Achromatomaly**  
322932

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3B233C 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 #3B233C looks like.

```
.text, #text, p{  
    color:#3B233C  
}
```

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 #3B233C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3B233C
}
```

## Border

The CSS property to change the border of an element to Hex 3B233C is called "border". The border property can be set on classes, ids or directly on the HTML element.

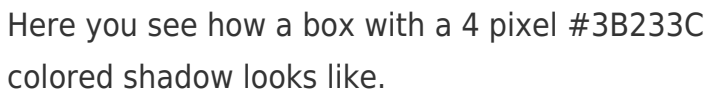
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#3B233C }
```

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

```
.border{ border-color:#3B233C }
```

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



Here you see how a box with a 4 pixel #3B233C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3B233C; -webkit-box-shadow:4px 4px  
4px 4px #3B233C; box-shadow:4px 4px 4px  
4px #3B233C }
```

# Background

The CSS property to change the background color of an element to Hex 3B233C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3B233C }
```

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

```
.background{ background-color:#3B233C }
```

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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