

# Converting Colors

Hex(233C3B)

Have a look what the booklet for  
Hex(233C3B) contains.

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# Color

Hex(233C3B)

# Conversions

## Conversions Part 1

Format	Color
Hex	233C3B
RGB	35, 60, 59
RGB Percent	14%, 24%, 23%
CMY	0.8627, 0.7647, 0.7686
CMYK	0.42, 0.00, 0.02, 0.76
HSL	178°, 26%, 19%
HSV	178°, 42%, 24%
XYZ	3.0984, 3.9048, 4.7281
YIQ	52.4110, -14.5790, -5.6110

# Conversions

## Conversions Part 2

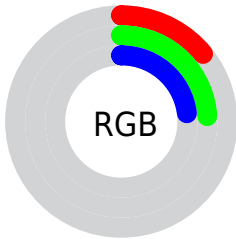
Format	Color
<b>RYB</b>	35, 48, 60
Decimal	2309179
CIELab	23.35, -9.91, -2.45
CIELCh	23, 10.204, 193.865
Yxy	3.9048, 0.2641, 0.3329
Android (android.graphics.Color)	4280499259 (0xFF233C3B)
YUV	52.4110, 3.2484, -15.2694
Hunter-Lab	19.7606, -6.5927, -0.3538

# Details

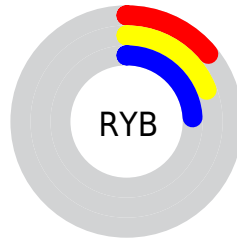
The Hex color **233C3B** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3C2324**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **516B6A**, and **001210** is the 20% darker color. If you saturate the color by 10%, you get **1D3C3B**, and if you desaturate by 10%, it is **293C3B**.

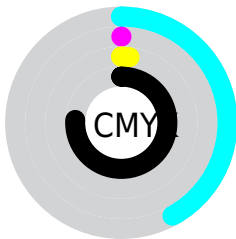
# Distribution



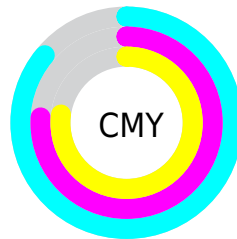
- Red (14%)
- Green (24%)
- Blue (23%)



- Red (14%)
- Yellow (19%)
- Blue (24%)



- Cyan (42%)
- Magenta (0%)
- Yellow (2%)
- Black (76%)



- Cyan (86%)
- Magenta (76%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 233C3B 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 233C3B by changing the saturation by 10% instead.





233C3B



233C3B

FFFFFF



0D2625



516B6A



001210



6A8583



000000



839F9D



9DBAB8



B9D5D4



D4F2F0



F1FFFF



233C3B



233C3B

■ 1D3C3B

■ 293C3B

■ 173C3B

■ 2F3C3B

■ 113C3A

■ 353C3C

■ 0B3C3A

■ 3B3C3C

■ 053C3A

■ 413C3C

■ 003C3A

■ 473C3C

■ 4D3C3D

■ 533C3D

■ 593C3D

# Harmonies

## Analogous

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



293C33



233C3B



233B42

# Triad

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



233C3B



3D3543



413629

# Complementary

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



233C3B



3C2324

# 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.



46332D



233C3B



44333C

# Square

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



233C3B



333746



473234



3A3829

# Rectangle

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



233C3B



273A45



473234



43352A



# Sweetspot

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



233C3B



454F4F



243C23



222929



A8A8A8



292929



# Same Dimension

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



233C3B



284F4D



23313C



1C1F1E



005E5B



00DED5



# Inverse Universe

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



3C2324



4F2829



3C2E23



1F1C1C



5E0004

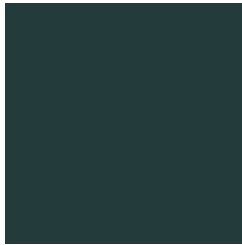


DE0009



# Previews

## White Background



This preview shows how the Hex color 233C3B looks on a white background.

## Color Contrast Check

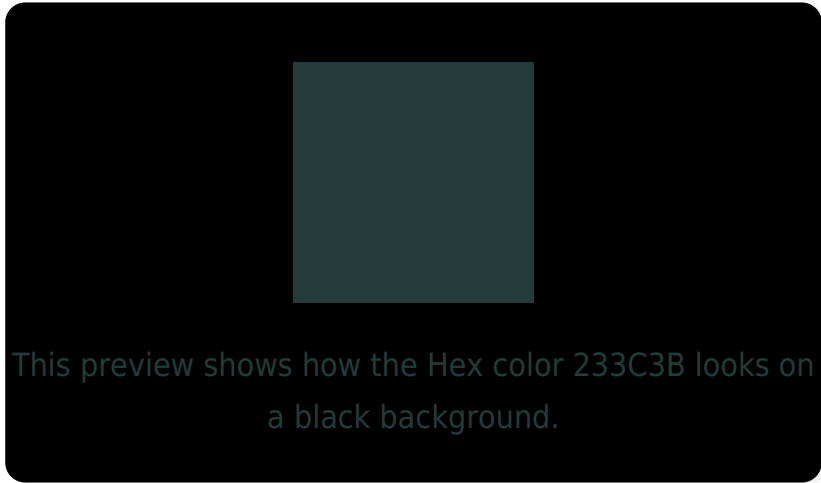
Large Text (above 18pt) WCAG AA ✓ Pass

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

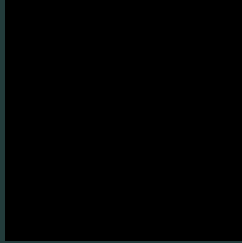
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

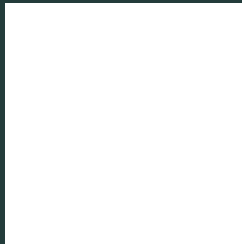
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 233C3B Background



This preview shows how black text looks on a background with the Hex color 233C3B.



This preview shows how white text looks on a background with the Hex color 233C3B.

# 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**  
233C3B

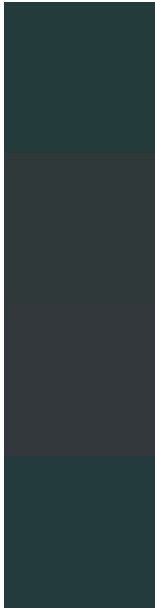
**Protanopia**  
383738

**Deuteranopia**  
3B363C



**Tritanopia**  
243B40

# Trichromacy



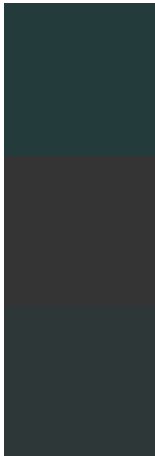
**Original Color**  
233C3B

**Protanomaly**  
303939

**Deuteranomaly**  
32383C

**Tritanomaly**  
243B3E

# Monochromacy



**Original Color**  
233C3B

**Achromatopsia**  
343434

**Achromatomaly**  
2E3737

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 233C3B 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 #233C3B looks like.

```
.text, #text, p{  
    color:#233C3B  
}
```

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 #233C3B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #233C3B
}
```

## Border

The CSS property to change the border of an element to Hex 233C3B is called "border". The border property can be set on classes, ids or directly on the HTML element.

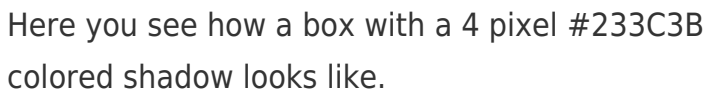
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#233C3B }
```

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

```
.border{ border-color:#233C3B }
```

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



Here you see how a box with a 4 pixel #233C3B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #233C3B; -webkit-box-shadow:4px 4px  
4px 4px #233C3B; box-shadow:4px 4px 4px  
4px #233C3B }
```

# Background

The CSS property to change the background color of an element to Hex 233C3B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#233C3B }
```

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

```
.background{ background-color:#233C3B }
```

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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