

# Converting Colors

Hex(233B3C)

Have a look what the booklet for  
Hex(233B3C) contains.

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# Color

Hex(233B3C)

# Conversions

## Conversions Part 1

Format	Color
Hex	233B3C
RGB	35, 59, 60
RGB Percent	14%, 23%, 24%
CMY	0.8627, 0.7686, 0.7647
CMYK	0.42, 0.02, 0.00, 0.76
HSL	182°, 26%, 19%
HSV	182°, 42%, 24%
XYZ	3.0727, 3.8115, 4.8487
YIQ	51.9380, -14.6250, -4.7770

# Conversions

## Conversions Part 2

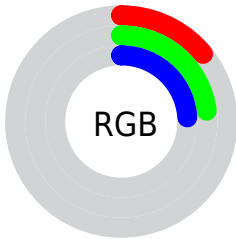
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	35, 47, 60
Decimal	2308924
CIE <sub>Lab</sub>	23.04, -8.99, -3.58
CIE <sub>LCh</sub>	23, 9.675, 201.735
Yxy	3.8115, 0.2619, 0.3249
Android (android.graphics.Color)	4280499004 (0xFF233B3C)
YUV	51.9380, 3.9746, -14.8546
Hunter-Lab	19.5231, -6.0714, -1.0590

# Details

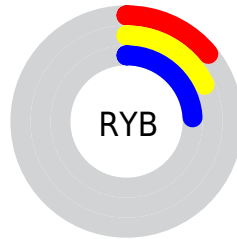
The Hex color **233B3C** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3C2423**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **516A6B**, and **001112** is the 20% darker color. If you saturate the color by 10%, you get **1D3B3C**, and if you desaturate by 10%, it is **293B3C**.

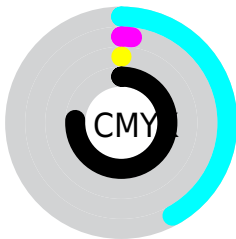
# Distribution



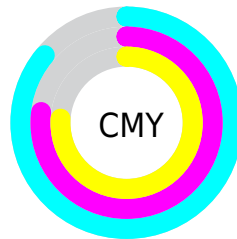
- Red (14%)
- Green (23%)
- Blue (24%)



- Red (14%)
- Yellow (18%)
- Blue (24%)



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



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 233B3C 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 233B3C by changing the saturation by 10% instead.



■ 233B3C

■ 233B3C

FFFFFF

■ 0D2526

■ 516A6B

■ 001112

■ 6A8384

■ 000000

■ 839E9F

■ 9DB9B9

■ B8D4D5

■ D4F1F1

■ F1FFFF

■ 233B3C

■ 233B3C

■ 1D3B3C

■ 293B3C

■ 173B3C

■ 2F3B3C

■ 113A3C

■ 353C3C

■ 0B3A3C

■ 3B3C3C

■ 053A3C

■ 413C3C

■ 003A3C

■ 473C3C

■ 4D3D3C

■ 533D3C

■ 593D3C

# Harmonies

## Analogous

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



273B35



233B3C



253A42

# Triad

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



233B3C



3E3340



3E3629

# Complementary

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



233B3C



3C2423

# 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.



44332C



233B3C



443239

# Square

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



233B3C



363644



463232



373829

# Rectangle

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



233B3C



293944



463232



403529



# Sweetspot

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



233B3C



454F4F



233C24



222929



A8A8A8



292929



# Same Dimension

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



233B3C



284D4F



232F3C



1C1E1F



005B5E



00D5DE



# Inverse Universe

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



3C233B



4F284D



3C3023



1F1C1E



5E005B

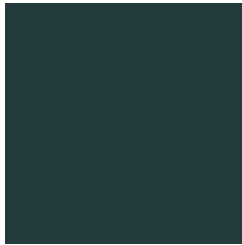


DE00D5



# Previews

## White Background



This preview shows how the Hex color 233B3C looks on a white background.

## Color Contrast Check

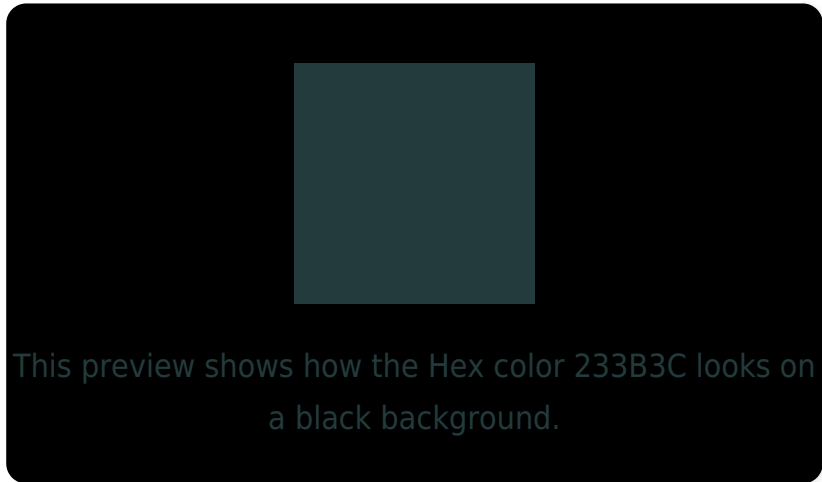
Large Text (above 18pt) WCAG AA ✓ Pass

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

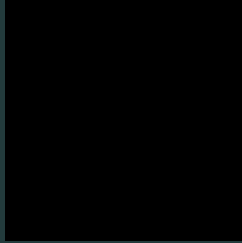
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 233B3C Background



This preview shows how black text looks on a background with the Hex color 233B3C.



This preview shows how white text looks on a background with the Hex color 233B3C.

# 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**  
233B3C

**Protanopia**  
373639

**Deuteranopia**  
39353D



**Tritanopia**  
243A3F

# Trichromacy



**Original Color**  
233B3C

**Protanomaly**  
30383A

**Deuteranomaly**  
31373D

**Tritanomaly**  
243A3E

# Monochromacy



**Original Color**  
233B3C

**Achromatopsia**  
343434

**Achromatomaly**  
2E3737

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 233B3C 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 #233B3C looks like.

```
.text, #text, p{  
    color:#233B3C  
}
```

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 #233B3C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #233B3C
}
```

## Border

The CSS property to change the border of an element to Hex 233B3C 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
#233B3C }
```

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

```
.border{ border-color:#233B3C }
```

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

Here you see how a box with a 4 pixel #233B3C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #233B3C; -webkit-box-shadow:4px 4px  
4px 4px #233B3C; box-shadow:4px 4px 4px  
4px #233B3C }
```

# Background

The CSS property to change the background color of an element to Hex 233B3C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#233B3C }
```

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

```
.background{ background-color:#233B3C }
```

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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