

Converting Colors

Hex(233B40)

Have a look what the booklet for
Hex(233B40) contains.

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Color

Hex(233B40)

Conversions

Conversions Part 1

Format	Color
Hex	233B40
RGB	35, 59, 64
RGB Percent	14%, 23%, 25%
CMY	0.8627, 0.7686, 0.7490
CMYK	0.45, 0.08, 0.00, 0.75
HSL	190°, 29%, 19%
HSV	190°, 45%, 25%
XYZ	3.1825, 3.8554, 5.4269
YIQ	52.3940, -15.9090, -3.5330

Conversions

Conversions Part 2

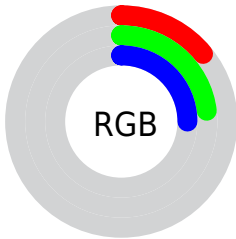
Format	Color
RYB	35, 48, 64
Decimal	2308928
CIELab	23.19, -7.76, -6.04
CIELCh	23, 9.829, 217.902
Yxy	3.8554, 0.2553, 0.3093
Android (android.graphics.Color)	4280499008 (0xFF233B40)
YUV	52.3940, 5.7218, -15.2545
Hunter-Lab	19.6352, -5.4300, -2.6423

Details

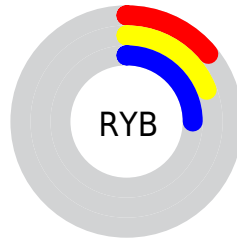
The Hex color **233B40** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **402823**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **516A70**, and **001116** is the 20% darker color. If you saturate the color by 10%, you get **1D3A40**, and if you desaturate by 10%, it is **293C40**.

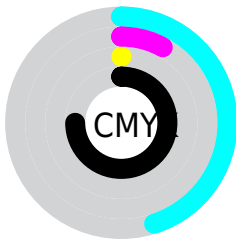
Distribution



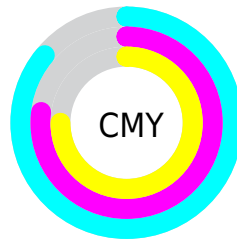
- Red (14%)
- Green (23%)
- Blue (25%)



- Red (14%)
- Yellow (19%)
- Blue (25%)



- Cyan (45%)
- Magenta (8%)
- Yellow (0%)
- Black (75%)



- Cyan (86%)
- Magenta (77%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Hex color 233B40 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 233B40 by changing the saturation by 10% instead.

■ 233B40

■ 233B40

FFFFFF

■ 0D252A

■ 516A70

■ 001116

■ 6A8389

■ 000000

■ 849EA3

■ 9EB8BE

■ B9D4DA

■ D5F0F7

■ F1FFFF

■ 233B40

■ 233B40

■ 1D3A40

■ 293C40

■ 163940

■ 303D40

■ 103840

■ 363E40

■ 093740

■ 3D3F40

■ 033540

■ 434140

■ 003540

■ 494240

■ 504340

■ 564440

■ 5D4540

Harmonies

Analogous

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



243B39



233B40



283A45

Triad

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



233B40



42333D



3B3729

Complementary

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



233B40



402823

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.



42352A



233B40



463236

Square

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



233B40



3B3543



46332F



333A2C

Rectangle

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



233B40



2E3846



46332F



3D3729

Sweetspot

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



233B40



485254



234028



242A2B



ABABAB



2B2B2B

Same Dimension

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



233B40



274C54



232D40



1E2121



005061



00BAE0

Inverse Universe

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



40233B



54274C



403623



211E21



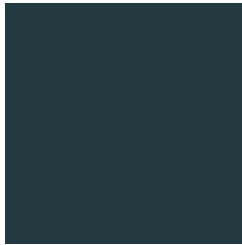
610050



E000BA

Previews

White Background



This preview shows how the Hex color 233B40 looks on a white background.

Color Contrast Check

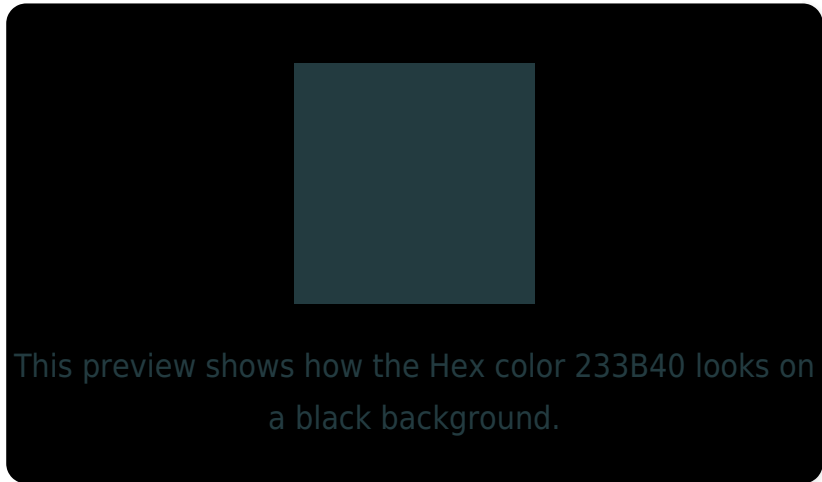
Large Text (above 18pt) WCAG AA ✓ Pass

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

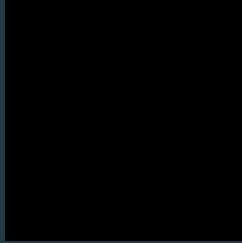
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

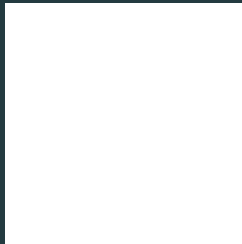
Any Text WCAG AAA × Fail

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

Hex 233B40 Background



This preview shows how black text looks on a background with the Hex color 233B40.



This preview shows how white text looks on a background with the Hex color 233B40.

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](#).

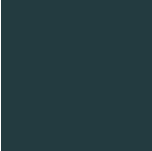
Dichromacy



Original Color
233B40

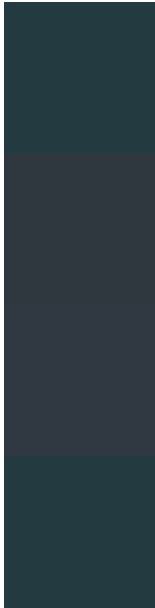
Protanopia
36373D

Deuteranopia
383641



Tritanopia
233B40

Trichromacy



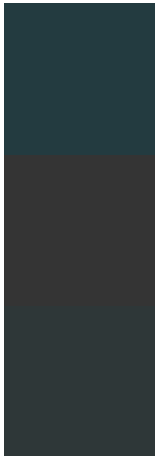
Original Color
233B40

Protanomaly
2F383E

Deuteranomaly
303841

Tritanomaly
233B40

Monochromacy



Original Color
233B40

Achromatopsia
343434

Achromatomaly
2E3738

CSS Examples

Text

The CSS property to change the color of the text to Hex 233B40 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 #233B40 looks like.

```
.text, #text, p{  
    color:#233B40  
}
```

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 #233B40 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #233B40
}
```

Border

The CSS property to change the border of an element to Hex 233B40 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
#233B40 }
```

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

```
.border{ border-color:#233B40 }
```

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

Here you see how a box with a 4 pixel #233B40 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #233B40; -webkit-box-shadow:4px 4px  
4px 4px #233B40; box-shadow:4px 4px 4px  
4px #233B40 }
```

Background

The CSS property to change the background color of an element to Hex 233B40 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#233B40 }
```

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

```
.background{ background-color:#233B40 }
```

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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