

Converting Colors

Hex(233D47)

Have a look what the booklet for
Hex(233D47) contains.

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Color

Hex(233D47)

Conversions

Conversions Part 1

Format	Color
Hex	233D47
RGB	35, 61, 71
RGB Percent	14%, 24%, 28%
CMY	0.8627, 0.7608, 0.7216
CMYK	0.51, 0.14, 0.00, 0.72
HSL	197°, 34%, 21%
HSV	197°, 51%, 28%
XYZ	3.4992, 4.1497, 6.5778
YIQ	54.3660, -18.7060, -2.4020

Conversions

Conversions Part 2

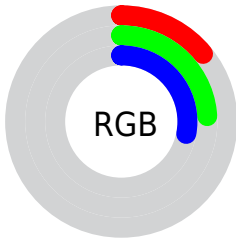
Format	Color
R_{YB}	35, 50, 71
Decimal	2309447
CIE _{Lab}	24.16, -6.77, -9.23
CIE _{LCh}	24, 11.451, 233.746
Yxy	4.1497, 0.2460, 0.2917
Android (android.graphics.Color)	4280499527 (0xFF233D47)
YUV	54.3660, 8.2006, -16.9840
Hunter-Lab	20.3709, -4.9873, -4.8851

Details

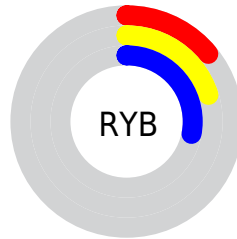
The Hex color **233D47** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **472D23**, and the grayscale version is **363636**.

A 20% lighter version of the original color is **526C77**, and **00131C** is the 20% darker color. If you saturate the color by 10%, you get **1C3B47**, and if you desaturate by 10%, it is **2A3F47**.

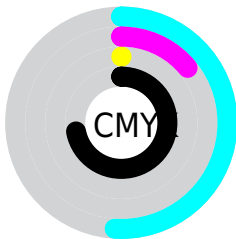
Distribution



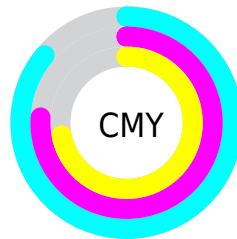
- Red (14%)
- Green (24%)
- Blue (28%)



- Red (14%)
- Yellow (20%)
- Blue (28%)



- Cyan (51%)
- Magenta (14%)
- Yellow (0%)
- Black (72%)



- Cyan (86%)
- Magenta (76%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Hex color 233D47 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 233D47 by changing the saturation by 10% instead.

■ 233D47

■ 233D47

FFFFFF

■ 0C2731

■ 526C77

■ 00131C

■ 6B8691

■ 000000

■ 85A0AC

■ 9FBBC7

■ BAD7E3

■ D6F3FF

■ F3FFFF

■ 233D47

■ 233D47

■ 1C3B47

■ 2A3F47

■ 153947

■ 314147

■ 0E3747

■ 384347

■ 073547

■ 3F4547

■ 003347

■ 474747

■ 4E4947

■ 554B47

■ 5C4D47

■ 634F47

Harmonies

Analogous

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



213E40



233D47



2D3B4A

Triad

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



233D47



49333C



393B2A

Complementary

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



233D47



472D23

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.



413828



233D47



4B3433

Square

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



233D47



433544



48352C



2F3D2F

Rectangle

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



233D47



34394A



48352C



3C3A29

Sweetspot

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



233D47



4E585C



23472D



262C2E



ADADAD



2E2E2E

Same Dimension

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



233D47



244C5C



232B47



202324



004863



00A4E3

Inverse Universe

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



47233D



5C244C



473F23



242023



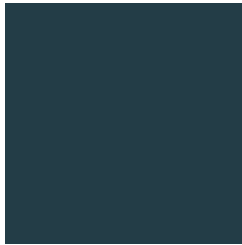
630048



E300A4

Previews

White Background



This preview shows how the Hex color 233D47 looks on a white background.

Color Contrast Check

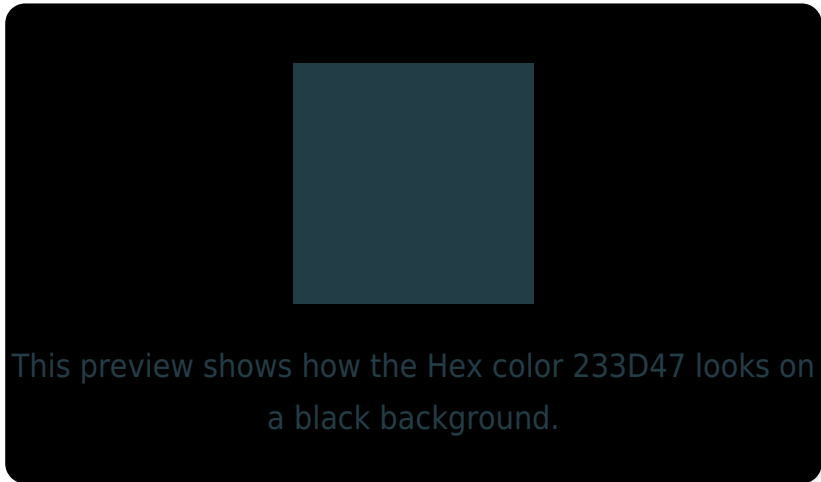
Large Text (above 18pt) WCAG AA ✓ Pass

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

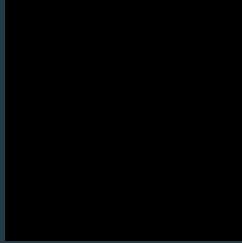
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

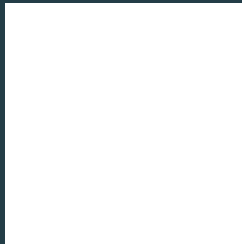
Any Text WCAG AAA × Fail

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

Hex 233D47 Background



This preview shows how black text looks on a background with the Hex color 233D47.



This preview shows how white text looks on a background with the Hex color 233D47.

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](#).

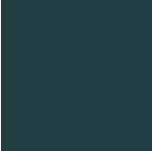
Dichromacy



Original Color
233D47

Protanopia
373944

Deuteranopia
373848



Tritanopia
223E43

Trichromacy



Original Color
233D47

Protanomaly
303A45

Deuteranomaly
303A48

Tritanomaly
223E44

Monochromacy



Original Color
233D47

Achromatopsia
363636

Achromatomaly
2F393C

CSS Examples

Text

The CSS property to change the color of the text to Hex 233D47 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 #233D47 looks like.

```
.text, #text, p{  
    color:#233D47  
}
```

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 #233D47 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #233D47
}
```

Border

The CSS property to change the border of an element to Hex 233D47 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
#233D47 }
```

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

```
.border{ border-color:#233D47 }
```

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

Here you see how a box with a 4 pixel #233D47 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #233D47; -webkit-box-shadow:4px 4px  
4px 4px #233D47; box-shadow:4px 4px 4px  
4px #233D47 }
```

Background

The CSS property to change the background color of an element to Hex 233D47 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#233D47 }
```

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

```
.background{ background-color:#233D47 }
```

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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