

# Converting Colors

Hex(223F37)

Have a look what the booklet for  
Hex(223F37) contains.

<b>Hex(223F37)</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(223F37)

# Conversions

## Conversions Part 1

Format	Color
Hex	223F37
RGB	34, 63, 55
RGB Percent	13%, 25%, 22%
CMY	0.8667, 0.7529, 0.7843
CMYK	0.46, 0.00, 0.13, 0.75
HSL	163°, 30%, 19%
HSV	163°, 46%, 25%
XYZ	3.1268, 4.1709, 4.2547
YIQ	53.4170, -14.7160, -8.6360

# Conversions

## Conversions Part 2

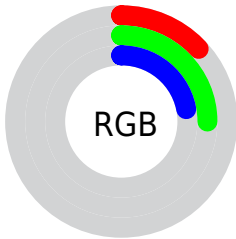
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 51, 63
Decimal	2244407
CIE <sub>Lab</sub>	24.23, -13.19, 1.49
CIE <sub>LCh</sub>	24, 13.273, 173.548
Yxy	4.1709, 0.2707, 0.3610
Android (android.graphics.Color)	4280434487 (0xFF223F37)
YUV	53.4170, 0.7804, -17.0287
Hunter-Lab	20.4229, -8.4113, 1.9441

# Details

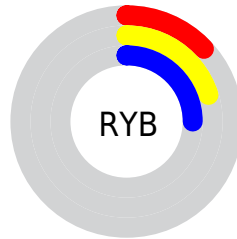
The Hex color **223F37** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3F222A**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **506F66**, and **00150B** is the 20% darker color. If you saturate the color by 10%, you get **1C3F35**, and if you desaturate by 10%, it is **283F39**.

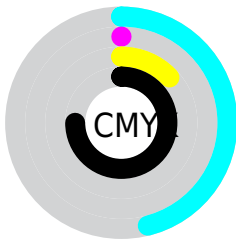
# Distribution



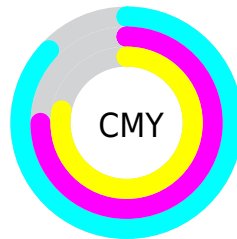
- Red (13%)
- Green (25%)
- Blue (22%)



- Red (13%)
- Yellow (20%)
- Blue (25%)



- Cyan (46%)
- Magenta (0%)
- Yellow (13%)
- Black (75%)



- Cyan (87%)
- Magenta (75%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 223F37 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 223F37 by changing the saturation by 10% instead.



■ 223F37

■ 223F37

FFFFFF

■ 0C2922

■ 506F66

■ 00150B

■ 69887F

■ 000000

■ 82A399

■ 9DBEB3

■ B8D9CF

■ D4F6EB

■ F0FFFF

■ 223F37

■ 223F37

■ 1C3F35

■ 283F39

■ 153F34

■ 2F3F3A

■ 0F3F32

■ 353F3C

■ 093F30

■ 3B3F3E

■ 033F2E

■ 423F40

■ 003F2E

■ 483F41

■ 4E3F43

■ 543F45

■ 5B3F47

# Harmonies

## Analogous

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



2D3E2D



223F37



1B3F41

# Triad

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



223F37



38384C



4A352A

# Complementary

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



223F37



3F222A

# 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.



4E3332



223F37



443446

# Square

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



223F37



2A3B4D



4C323C



433826

# Rectangle

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



223F37



1C3E47



4C323C



4C342C



# Sweetspot

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



223F37



46524E



2A3F22



222927



A8A8A8



292929



# Same Dimension

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



223F37



255245



22393F



1C1F1E



005E44



00DEA1



# Inverse Universe

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



3F222A



522531



3F2822



1F1C1C



5E001A

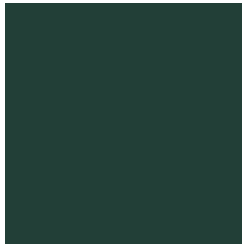


DE003D



# Previews

## White Background



This preview shows how the Hex color 223F37 looks on a white background.

## Color Contrast Check

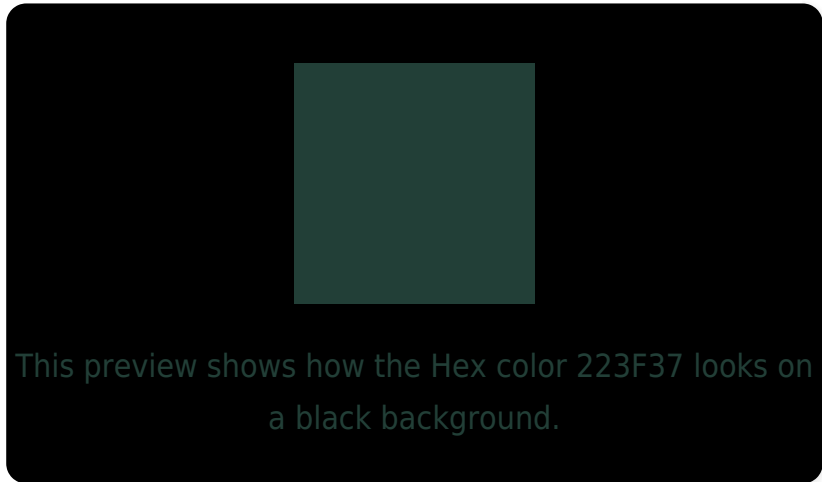
Large Text (above 18pt) WCAG AA ✓ Pass

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 223F37 Background



This preview shows how black text looks on a background with the Hex color 223F37.



This preview shows how white text looks on a background with the Hex color 223F37.

# 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**  
223F37

**Protanopia**  
3C3934

**Deuteranopia**  
3F3839



**Tritanopia**  
253D42

# Trichromacy



**Original Color**

223F37

**Protanomaly**

333B35

**Deuteranomaly**

343B38

**Tritanomaly**

243E3E

# Monochromacy



**Original Color**

223F37

**Achromatopsia**

353535

**Achromatomaly**

2E3936

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 223F37 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 #223F37 looks like.

```
.text, #text, p{  
    color:#223F37  
}
```

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 #223F37 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #223F37
}
```

## Border

The CSS property to change the border of an element to Hex 223F37 is called "border". The border property can be set on classes, ids or directly on the HTML element.

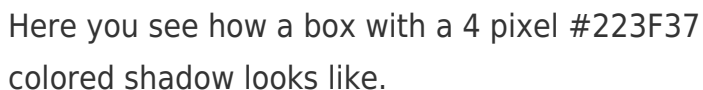
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#223F37 }
```

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

```
.border{ border-color:#223F37 }
```

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



Here you see how a box with a 4 pixel #223F37 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #223F37; -webkit-box-shadow:4px 4px  
4px 4px #223F37; box-shadow:4px 4px 4px  
4px #223F37 }
```

# Background

The CSS property to change the background color of an element to Hex 223F37 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#223F37 }
```

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

```
.background{ background-color:#223F37 }
```

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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