

# Converting Colors

Hex(00233F)

Have a look what the booklet for  
Hex(00233F) contains.

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# Color

**Hex(00233F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00233F
RGB	0, 35, 63
RGB Percent	0%, 14%, 25%
CMY	1.0000, 0.8627, 0.7529
CMYK	1.00, 0.44, 0.00, 0.75
HSL	207°, 100%, 12%
HSV	207°, 100%, 25%
XYZ	1.4982, 1.5609, 4.9250
YIQ	27.7270, -29.8480, 1.2880

# Conversions

## Conversions Part 2

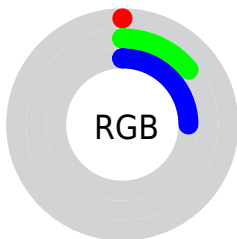
Format	Color
<a href="#">RYB</a>	<a href="#">0, 23, 63</a>
Decimal	<a href="#">9023</a>
CIELab	<a href="#">12.99, 0.41, -21.28</a>
CIELCh	<a href="#">13, 21.280, 271.100</a>
Yxy	<a href="#">1.5609, 0.1877, 0.1955</a>
Android (android.graphics.Color)	<a href="#">4278199103 (0xFF00233F)</a>
YUV	<a href="#">27.7270, 17.3896, -24.3166</a>
Hunter-Lab	<a href="#">12.4938, -0.4587, -14.6260</a>

# Details

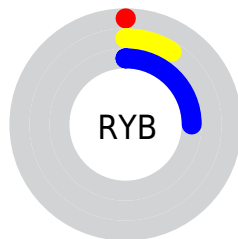
The Hex color **00233F** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **3F1C00**, and the grayscale version is **1C1C1C**.

A 20% lighter version of the original color is **364F6F**, and **000114** is the 20% darker color. If you saturate the color by 10%, you get **00233F**, and if you desaturate by 10%, it is **06263F**.

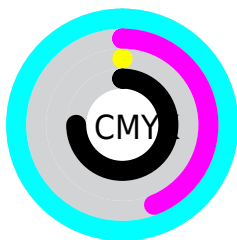
# Distribution



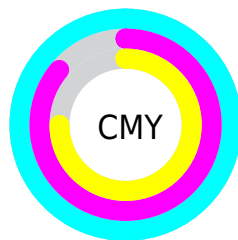
- Red (0%)
- Green (14%)
- Blue (25%)



- Red (0%)
- Yellow (9%)
- Blue (25%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (75%)



- Cyan (100%)
- Magenta (86%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00233F 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 00233F by changing the saturation by 10% instead.



00233F

00233F

F2FFFF

000D29

364F6F

000114

4F6788

000000

6980A3

839ABE

9DB5DA

B9D0F6

D5ECFF

00233F

■ 06263F

■ 0D293F

■ 132B3F

■ 192E3F

■ 20313F

■ 26343F

■ 2C373F

■ 32393F

■ 393C3F

# Harmonies

## Analogous

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



00273B



00233F



221D3B

# Triad

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



00233F



3B1613



052812

# Complementary

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



00233F



3F1C00

# 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.



1B2502



00233F



351B02

# Square

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



00233F



3C1422



2A2100



002922

# Rectangle

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



00233F



2F1934



2A2100



0E270D



# Sweetspot

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



00233F



394752



003F1B



1A2229



A8A8A8



292929



# Same Dimension

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



00233F



002D52



00043F



1C1D1F



00345E



007BDE



# Inverse Universe

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



3F0023



52002D



3F3B00



1F1C1D



5E0034



DE007B



# Previews

## White Background



This preview shows how the Hex color 00233F looks on a white background.

### Color Contrast Check

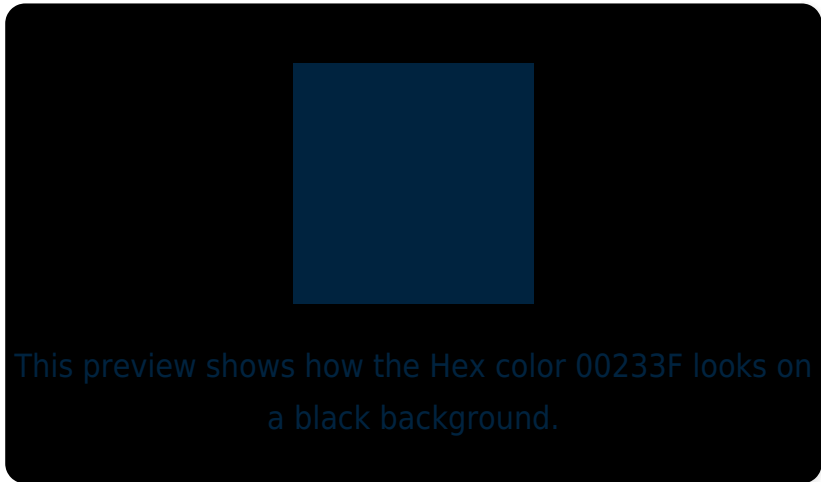
Large Text (above 18pt) WCAG AA ✓ Pass

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

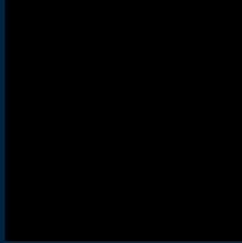
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 00233F Background



This preview shows how black text looks on a background with the Hex color 00233F.



This preview shows how white text looks on a background with the Hex color 00233F.

# 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**  
00233F

**Protanopia**  
15223E

**Tritanopia**  
002629

# Trichromacy



**Original Color**  
00233F

**Protanomaly**  
0D223E

**Tritanomaly**  
002531

# Monochromacy



**Original Color**  
00233F

**Achromatopsia**  
1C1C1C

**Achromatomaly**  
121F29

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00233F 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 #00233F looks like.

```
.text, #text, p{  
    color:#00233F  
}
```

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 #00233F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00233F
}
```

## Border

The CSS property to change the border of an element to Hex 00233F 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".

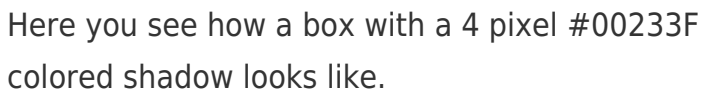
```
.border, #border, table{ border:4px solid
#00233F }
```

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

```
.border{ border-color:#00233F }
```

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

Here you see how a box with a 4 pixel #00233F colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00233F; -webkit-box-shadow:4px 4px  
4px 4px #00233F; box-shadow:4px 4px 4px  
4px #00233F }
```

# Background

The CSS property to change the background color of an element to Hex 00233F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00233F }
```

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

```
.background{ background-color:#00233F }
```

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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