

# Converting Colors

Hex(00333B)

Have a look what the booklet for  
Hex(00333B) contains.

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# Color

**Hex(00333B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00333B
RGB	0, 51, 59
RGB Percent	0%, 20%, 23%
CMY	1.0000, 0.8000, 0.7686
CMYK	1.00, 0.14, 0.00, 0.77
HSL	188°, 100%, 12%
HSV	188°, 100%, 23%
XYZ	1.9732, 2.6834, 4.5516
YIQ	36.6630, -32.9640, -8.3240

# Conversions

## Conversions Part 2

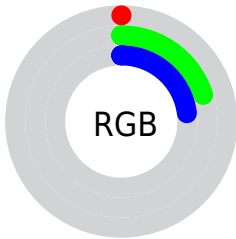
Format	Color
<a href="#">RYB</a>	<a href="#">0, 27, 59</a>
Decimal	<a href="#">13115</a>
CIELab	<a href="#">18.73, -12.27, -9.53</a>
CIELCh	<a href="#">19, 15.541, 217.845</a>
Yxy	<a href="#">2.6834, 0.2143, 0.2914</a>
Android (android.graphics.Color)	<a href="#">4278203195 (0xFF00333B)</a>
YUV	<a href="#">36.6630, 11.0121, -32.1535</a>
Hunter-Lab	<a href="#">16.3811, -7.1652, -5.0074</a>

# Details

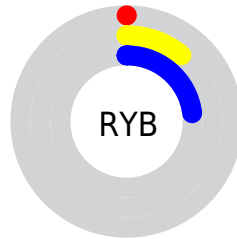
The Hex color **00333B** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3B0800**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **37626A**, and **000111** is the 20% darker color. If you saturate the color by 10%, you get **00333B**, and if you desaturate by 10%, it is **06343B**.

# Distribution



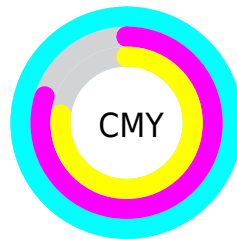
- Red (0%)
- Green (20%)
- Blue (23%)



- Red (0%)
- Yellow (11%)
- Blue (23%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (77%)



- Cyan (100%)
- Magenta (80%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00333B 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 00333B by changing the saturation by 10% instead.



 00333B

 00333B

 F3FFFF

 001E25

 37626A

 000111

 507A83

 000000

 69949D

 83AFB8

 9ECAD4

 BAE7F0

 D6FFFF

 00333B

■ 06343B

■ 0C353B

■ 12353B

■ 18363B

■ 1D373B

■ 23383B

■ 29393B

■ 2F393B

■ 353A3B

# Harmonies

## Analogous

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



073430



00333B



0E3142

# Triad

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



00333B



3E2636



322E17

# Complementary

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



00333B



3B0800

# 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.



3C2A19



00333B



43252B

# Square

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



00333B



332A3F



422620



26311B

# Rectangle

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



00333B



1C2F44



422620



362D17



# Sweetspot

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



00333B



36494D



003B08



182426



A6A6A6



262626



# Same Dimension

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



00333B



00424D



00163B



1C1E1F



00525E



00CODE



# Inverse Universe

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



3B0033



4D0042



3B2500



1F1C1E



5E0052



DE00C0



# Previews

## White Background



This preview shows how the Hex color 00333B looks on a white background.

## Color Contrast Check

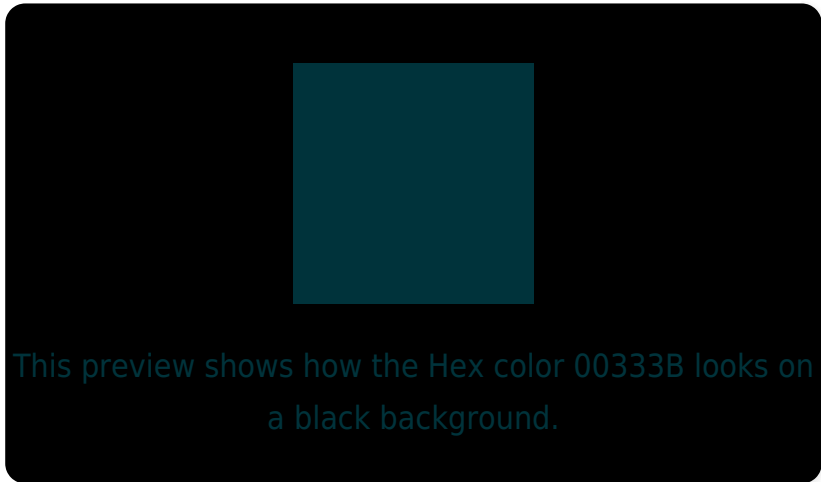
Large Text (above 18pt) WCAG AA ✓ Pass

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

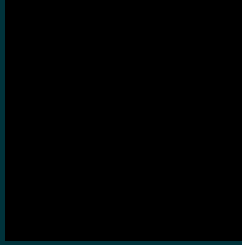
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

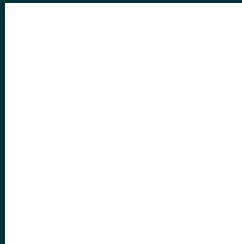
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 00333B Background



This preview shows how black text looks on a background with the Hex color 00333B.



This preview shows how white text looks on a background with the Hex color 00333B.

# 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



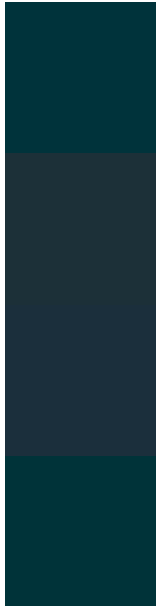
**Original Color**  
00333B

**Protanopia**  
2C2E37

**Deuteranopia**  
2B2D3C



# Trichromacy



**Original Color**  
00333B

**Protanomaly**  
1C3038

**Deuteranomaly**  
1B2F3C

**Tritanomaly**  
003339

# Monochromacy



**Original Color**  
00333B

**Achromatopsia**  
252525

**Achromatomaly**  
182A2D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00333B 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 #00333B looks like.

```
.text, #text, p{  
    color:#00333B  
}
```

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 #00333B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00333B
}
```

## Border

The CSS property to change the border of an element to Hex 00333B 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
#00333B }
```

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

```
.border{ border-color:#00333B }
```

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

Here you see how a box with a 4 pixel #00333B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00333B; -webkit-box-shadow:4px 4px  
4px 4px #00333B; box-shadow:4px 4px 4px  
4px #00333B }
```

# Background

The CSS property to change the background color of an element to Hex 00333B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00333B }
```

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

```
.background{ background-color:#00333B }
```

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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