

# Converting Colors

Hex(00033A)

Have a look what the booklet for  
Hex(00033A) contains.

<b>Hex(00033A)</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(00033A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00033A
RGB	0, 3, 58
RGB Percent	0%, 1%, 23%
CMY	1.0000, 0.9882, 0.7725
CMYK	1.00, 0.95, 0.00, 0.77
HSL	237°, 100%, 11%
HSV	237°, 100%, 23%
XYZ	0.7963, 0.3706, 4.0326
YIQ	8.3730, -19.4430, 16.4690

# Conversions

## Conversions Part 2

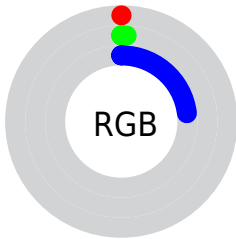
Format	Color
<a href="#">RYB</a>	<a href="#">0, 3, 58</a>
Decimal	<a href="#">826</a>
CIELab	<a href="#">3.35, 18.19, -33.31</a>
CIELCh	<a href="#">3, 37.951, 298.639</a>
Yxy	<a href="#">0.3706, 0.1531, 0.0713</a>
Android (android.graphics.Color)	<a href="#">4278190906</a> ( <a href="#">0xFF00033A</a> )
YUV	<a href="#">8.3730, 24.4661, -7.3431</a>
Hunter-Lab	<a href="#">6.0878, 12.6941, -35.0122</a>

# Details

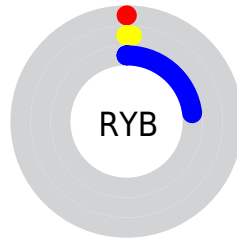
The Hex color **00033A** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **3A3700**, and the grayscale version is **080808**.

A 20% lighter version of the original color is **33316A**, and **00000B** is the 20% darker color. If you saturate the color by 10%, you get **00033A**, and if you desaturate by 10%, it is **06093A**.

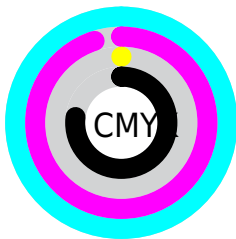
# Distribution



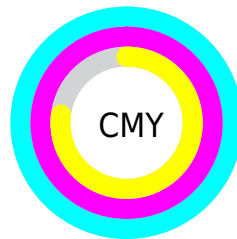
- Red (0%)
- Green (1%)
- Blue (23%)



- Red (0%)
- Yellow (1%)
- Blue (23%)



- Cyan (100%)
- Magenta (95%)
- Yellow (0%)
- Black (77%)



- Cyan (100%)
- Magenta (99%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00033A 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 00033A by changing the saturation by 10% instead.



00033A

00033A

EFE3FF

000224

33316A

00000B

4C4783

000000

665F9E

8077B9

9B91D5

B6ACF1

D2C7FF

00033A

■ 06093A

■ 0C0E3A

■ 11143A

■ 17193A

■ 1D1F3A

■ 23243A

■ 292A3A

■ 2E2F3A

■ 34353A

# Harmonies

## Analogous

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



001140



00033A



290028

# Triad

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



00033A



280000



001409

# Complementary

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



00033A



3A3700

# 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.



001400



00033A



130B00

# Square

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



00033A



330000



001400



001526

# Rectangle

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



00033A



330019



001400



# Sweetspot

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



00033A



36374D



003A36



181926



A6A6A6



262626



# Same Dimension

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



00033A



00044D



19003A



19191C



00055C



000BDB



# Inverse Universe

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



3A0003



4D0004



213A00



1C1919



5C0005



DB000B



# Previews

## White Background



This preview shows how the Hex color 00033A looks on a white background.

## Color Contrast Check

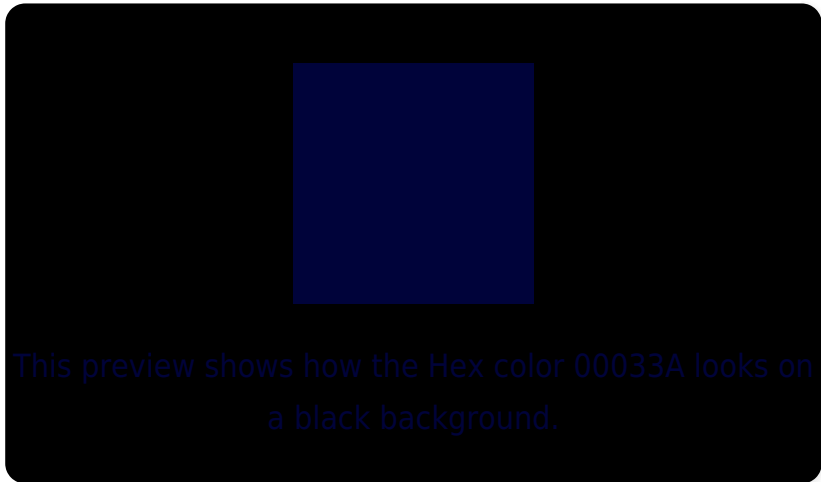
Large Text (above 18pt) WCAG AA ✓ Pass

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

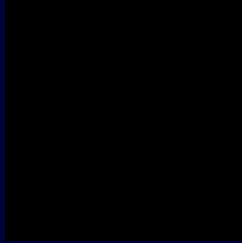
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 00033A Background



This preview shows how black text looks on a background with the Hex color 00033A.



This preview shows how white text looks on a background with the Hex color 00033A.

# 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**  
00033A

**Protanopia**  
001124

**Deuteranopia**  
00121E



**Tritanopia**  
001414

# Trichromacy



**Original Color**

00033A

**Protanomaly**

000C2C

**Deuteranomaly**

000D28

**Tritanomaly**

000E22

# Monochromacy



**Original Color**

00033A

**Achromatopsia**

080808

**Achromatomaly**

05061A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00033A 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 #00033A looks like.

```
.text, #text, p{  
    color:#00033A  
}
```

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 #00033A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00033A
}
```

## Border

The CSS property to change the border of an element to Hex 00033A 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
#00033A }
```

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

```
.border{ border-color:#00033A }
```

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

Here you see how a box with a 4 pixel #00033A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00033A; -webkit-box-shadow:4px 4px  
4px 4px #00033A; box-shadow:4px 4px 4px  
4px #00033A }
```

# Background

The CSS property to change the background color of an element to Hex 00033A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00033A }
```

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

```
.background{ background-color:#00033A }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor