

# Converting Colors

Hex(003C16)

Have a look what the booklet for  
Hex(003C16) contains.

<b>Hex(003C16)</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(003C16)

# Conversions

## Conversions Part 1

Format	Color
Hex	003C16
RGB	0, 60, 22
RGB Percent	0%, 24%, 9%
CMY	1.0000, 0.7647, 0.9137
CMYK	1.00, 0.00, 0.63, 0.76
HSL	142°, 100%, 12%
HSV	142°, 100%, 24%
XYZ	1.7607, 3.2896, 1.3012
YIQ	37.7280, -23.5620, -24.5380

# Conversions

## Conversions Part 2

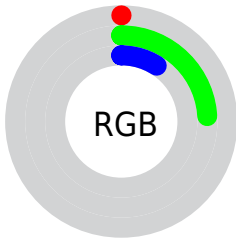
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 44, 60</a>
Decimal	<a href="#">15382</a>
CIELab	<a href="#">21.17, -27.91, 18.36</a>
CIELCh	<a href="#">21, 33.408, 146.667</a>
Yxy	<a href="#">3.2896, 0.2772, 0.5179</a>
Android (android.graphics.Color)	<a href="#">4278205462 (0xFF003C16)</a>
YUV	<a href="#">37.7280, -7.7539, -33.0875</a>
Hunter-Lab	<a href="#">18.1374, -14.4126, 8.4425</a>

# Details

The Hex color **003C16** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **3C0026**, and the grayscale version is **262626**.

A 20% lighter version of the original color is **376C42**, and **000800** is the 20% darker color. If you saturate the color by 10%, you get **003C16**, and if you desaturate by 10%, it is **063C1A**.

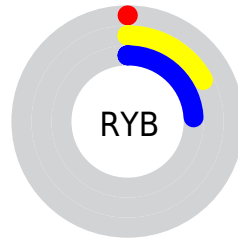
# Distribution



Red (0%)

Green (24%)

Blue (9%)



Red (0%)

Yellow (17%)

Blue (24%)

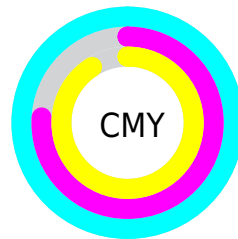


Cyan (100%)

Magenta (0%)

Yellow (63%)

Black (76%)



Cyan (100%)

Magenta (76%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 003C16 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 003C16 by changing the saturation by 10% instead.



 003C16

 003C16

 F3FFFA

 002600

 376C42

 000800

 50865A

 000000

 69A072

 83BB8C

 9ED7A6

 BAF4C2

 D6FFDE

 003C16

■ 063C1A

■ 0C3C1E

■ 123C21

■ 183C25

■ 1E3C29

■ 243C2D

■ 2A3C31

■ 303C34

■ 363C38

# Harmonies

## Analogous

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



293800



003C16



003E2F

# Triad

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



003C16



003764



5D1C1E

# Complementary

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



003C16



3C0026

# 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.



5D1937



003C16



2C2D5F

# Square

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



003C16



003C5C



4E224E



532707

# Rectangle

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



003C16



003E40



4E224E



5F1A26



# Sweetspot

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



003C16



374F40



263C00



1A291F



A8A8A8



292929



# Same Dimension

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



003C16



004F1D



003C34



1C1F1D



005E23



00DE51



# Inverse Universe

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



3C0026



4F0032



3C0008



1F1C1D



5E003C



DE008D



# Previews

## White Background



This preview shows how the Hex color 003C16 looks on a white background.

## Color Contrast Check

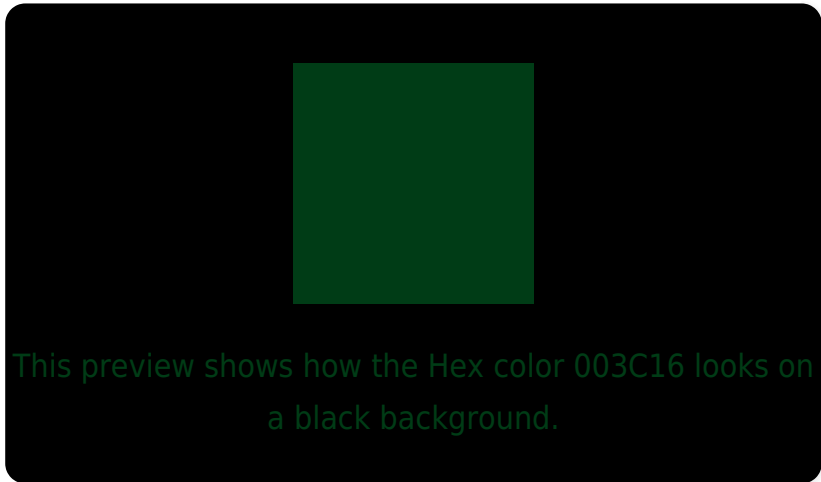
Large Text (above 18pt) WCAG AA ✓ Pass

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

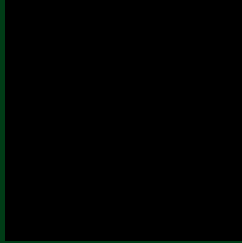
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 003C16 Background



This preview shows how black text looks on a background with the Hex color 003C16.



This preview shows how white text looks on a background with the Hex color 003C16.

# 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](#).

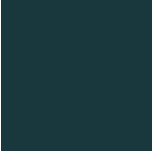
## Dichromacy



**Original Color**  
003C16

**Protanopia**  
393414

**Deuteranopia**  
3F3119



**Tritanopia**  
18383D

# Trichromacy



**Original Color**  
003C16

**Protanomaly**  
243715

**Deuteranomaly**  
283518

**Tritanomaly**  
0F392F

# Monochromacy



**Original Color**  
003C16

**Achromatopsia**  
262626

**Achromatomaly**  
182E20

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 003C16 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 #003C16 looks like.

```
.text, #text, p{  
    color:#003C16  
}
```

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 #003C16 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #003C16
}
```

## Border

The CSS property to change the border of an element to Hex 003C16 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
#003C16 }
```

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

```
.border{ border-color:#003C16 }
```

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

Here you see how a box with a 4 pixel #003C16 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #003C16; -webkit-box-shadow:4px 4px  
4px 4px #003C16; box-shadow:4px 4px 4px  
4px #003C16 }
```

# Background

The CSS property to change the background color of an element to Hex 003C16 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#003C16 }
```

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

```
.background{ background-color:#003C16 }
```

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