

# Converting Colors

Hex(003A30)

Have a look what the booklet for  
Hex(003A30) contains.

<b>Hex(003A30)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(003A30)**

# Conversions

## Conversions Part 1

Format	Color
Hex	003A30
RGB	0, 58, 48
RGB Percent	0%, 23%, 19%
CMY	1.0000, 0.7725, 0.8118
CMYK	1.00, 0.00, 0.17, 0.77
HSL	170°, 100%, 11%
HSV	170°, 100%, 23%
XYZ	2.0466, 3.2395, 3.3137
YIQ	39.5180, -31.3580, -15.4060

# Conversions

## Conversions Part 2

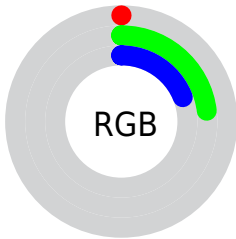
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 32, 58
Decimal	14896
CIELab	20.98, -20.29, 1.31
CIELCh	21, 20.332, 176.296
Yxy	3.2395, 0.2380, 0.3767
Android (android.graphics.Color)	4278204976 (0xFF003A30)
YUV	39.5180, 4.1816, -34.6573
Hunter-Lab	17.9986, -11.2011, 1.6832

# Details

The Hex color **003A30** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3A000A**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **376A5E**, and **000700** is the 20% darker color. If you saturate the color by 10%, you get **003A30**, and if you desaturate by 10%, it is **063A31**.

# Distribution



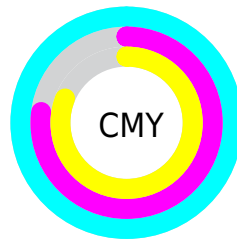
- Red (0%)
- Green (23%)
- Blue (19%)



- Red (0%)
- Yellow (13%)
- Blue (23%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (77%)



- Cyan (100%)
- Magenta (77%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 003A30 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 003A30 by changing the saturation by 10% instead.



 003A30

 003A30

 F2FFFF

 00241B

 376A5E

 000700

 508377

 000000

 699D90

 83B8AB

 9ED4C6

 BAF0E2

 D6FFFF

 003A30

■ 063A31

■ 0C3A32

■ 113A33

■ 173A34

■ 1D3A35

■ 233A36

■ 293A37

■ 2E3A38

■ 343A39

# Harmonies

## Analogous

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



1C3921



003A30



003A3F

# Triad

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



003A30



312F4D



492C1A

# Complementary

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



003A30



3A000A

# 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.



4E2726



003A30



432A43

# Square

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



003A30



153550



4D2635



3D3114

# Rectangle

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



003A30



003948



4D2635



4B2A1D



# Sweetspot

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



003A30



364D49



0B3A00



182624



A6A6A6



262626



# Same Dimension

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



003A30



004D3F



00283A



191C1C



005C4C



00DBB5



# Inverse Universe

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



3A000A



4D000D



3A1200



1C191A



5C0010



DB0026



# Previews

## White Background



This preview shows how the Hex color 003A30 looks on a white background.

## Color Contrast Check

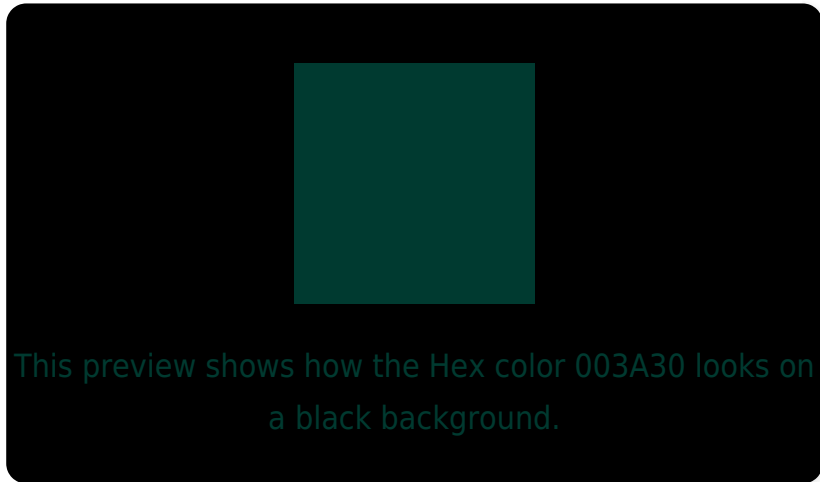
Large Text (above 18pt) WCAG AA ✓ Pass

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

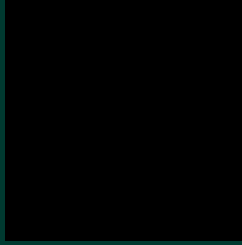
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 003A30 Background



This preview shows how black text looks on a background with the Hex color 003A30.



This preview shows how white text looks on a background with the Hex color 003A30.

# 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](#).

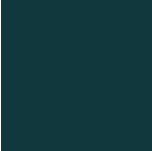
## Dichromacy



**Original Color**  
003A30

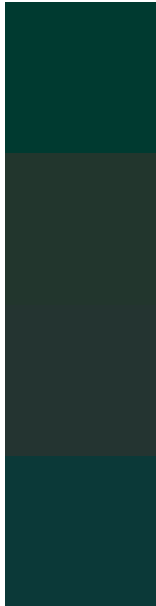
**Protanopia**  
35332C

**Deuteranopia**  
383132



**Tritanopia**  
11383D

# Trichromacy



**Original Color**  
003A30

**Protanomaly**  
22362D

**Deuteranomaly**  
243431

**Tritanomaly**  
0B3938

# Monochromacy



**Original Color**  
003A30

**Achromatopsia**  
282828

**Achromatomaly**  
192F2B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 003A30 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 #003A30 looks like.

```
.text, #text, p{  
    color:#003A30  
}
```

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 #003A30 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #003A30
}
```

## Border

The CSS property to change the border of an element to Hex 003A30 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
#003A30 }
```

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

```
.border{ border-color:#003A30 }
```

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

Here you see how a box with a 4 pixel #003A30 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #003A30; -webkit-box-shadow:4px 4px  
4px 4px #003A30; box-shadow:4px 4px 4px  
4px #003A30 }
```

# Background

The CSS property to change the background color of an element to Hex 003A30 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#003A30 }
```

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

```
.background{ background-color:#003A30 }
```

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