

# Converting Colors

Hex(00836A)

Have a look what the booklet for  
Hex(00836A) contains.

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**Color**

**Hex(00836A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00836A
RGB	0, 131, 106
RGB Percent	0%, 51%, 42%
CMY	1.0000, 0.4863, 0.5843
CMYK	1.00, 0.00, 0.19, 0.49
HSL	169°, 100%, 26%
HSV	169°, 100%, 51%
XYZ	10.7178, 17.2732, 16.4048
YIQ	88.9810, -70.0510, -35.5470

# Conversions

## Conversions Part 2

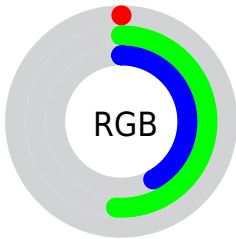
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 72, 131
Decimal	33642
CIELab	48.60, -36.90, 4.96
CIELCh	49, 37.230, 172.343
Yxy	17.2732, 0.2414, 0.3891
Android (android.graphics.Color)	4278223722 (0xFF00836A)
YUV	88.9810, 8.3904, -78.0363
Hunter-Lab	41.5610, -26.7000, 5.6900

# Details

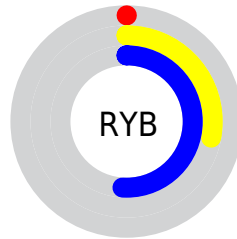
The Hex color **00836A** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **830019**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **51B99D**, and **00503B** is the 20% darker color. If you saturate the color by 10%, you get **00836A**, and if you desaturate by 10%, it is **0D836D**.

# Distribution



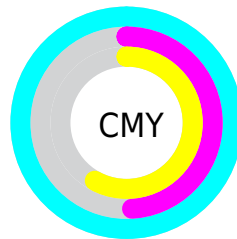
- Red (0%)
- Green (51%)
- Blue (42%)



- Red (0%)
- Yellow (28%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (49%)



- Cyan (100%)
- Magenta (49%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00836A 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 00836A by changing the saturation by 10% instead.



 00836A

 00836A

FFFFFF

 006952

 51B99D

 00503B

 6ED5B8

 003925

 8AF1D4

 002510

 A7FFF0

 000000

 C4FFFF

 E1FFFF

 00836A

 0D836D

 1A836F

 278372

 348374

 428377

 4F8379

 5C837C

 69837E

 768381

# Harmonies

## Analogous

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



4A804C



00836A



00838A

# Triad

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



00836A



696EAE



A46343

# Complementary

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



00836A



830019

# 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.



AF5B5D



00836A



93629A

# Square

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



00836A



2479B2



AA5A7D



8D6F34

# Rectangle

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



00836A



00829D



AA5A7D



A9604A



# Sweetspot

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



00836A



78ABA1



1A8300



375751



D6D6D6



575757



# Same Dimension

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



00836A



00AB8A



005C83



3C4241



008269



000302



# Inverse Universe

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



830019



AB0021



832700



423C3D



820019



030000



# Previews

## White Background



This preview shows how the Hex color 00836A looks on a white background.

## Color Contrast Check

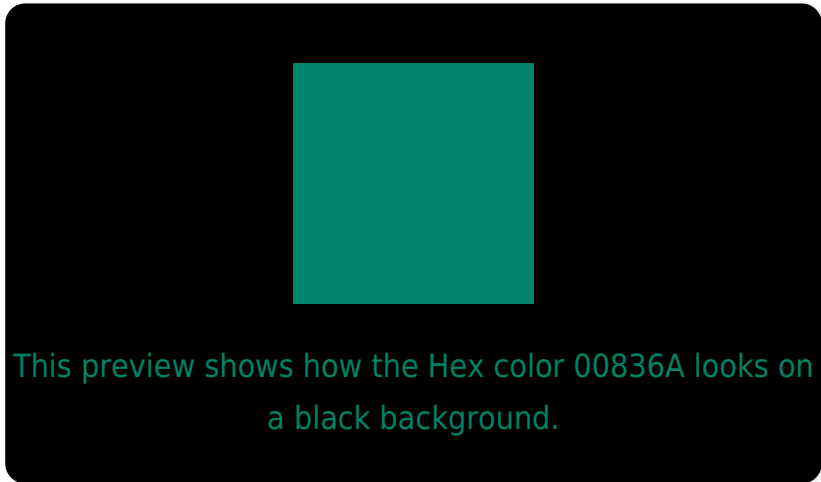
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

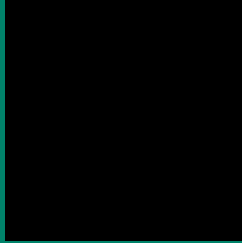
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 00836A Background



This preview shows how black text looks on a background with the Hex color 00836A.

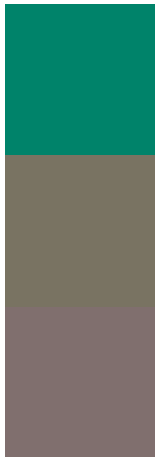


This preview shows how white text looks on a background with the Hex color 00836A.

# 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**  
00836A

**Protanopia**  
797362

**Deuteranopia**  
806F6E



**Tritanopia**  
277F89

# Trichromacy



**Original Color**  
00836A



**Protanomaly**  
4D7965



**Deuteranomaly**  
51766D



**Tritanomaly**  
19807E

# Monochromacy



**Original Color**  
00836A



**Achromatopsia**  
595959



**Achromatomaly**  
39685F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00836A 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 #00836A looks like.

```
.text, #text, p{  
    color:#00836A  
}
```

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 #00836A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00836A
}
```

## Border

The CSS property to change the border of an element to Hex 00836A 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
#00836A }
```

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

```
.border{ border-color:#00836A }
```

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

Here you see how a box with a 4 pixel #00836A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00836A; -webkit-box-shadow:4px 4px  
4px 4px #00836A; box-shadow:4px 4px 4px  
4px #00836A }
```

# Background

The CSS property to change the background color of an element to Hex 00836A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00836A }
```

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

```
.background{ background-color:#00836A }
```

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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