

# Converting Colors

Hex(006226)

Have a look what the booklet for  
Hex(006226) contains.

<b>Hex(006226)</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(006226)**

# Conversions

## Conversions Part 1

Format	Color
Hex	006226
RGB	0, 98, 38
RGB Percent	0%, 38%, 15%
CMY	1.0000, 0.6157, 0.8510
CMYK	1.00, 0.00, 0.61, 0.62
HSL	143°, 100%, 19%
HSV	143°, 100%, 38%
XYZ	4.7175, 8.8753, 3.2982
YIQ	61.8580, -39.1480, -39.4360

# Conversions

## Conversions Part 2

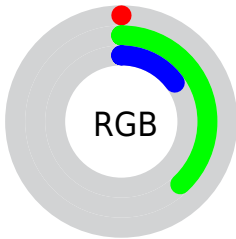
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 71, 98</a>
Decimal	<a href="#">25126</a>
CIELab	<a href="#">35.74, -39.28, 26.87</a>
CIELCh	<a href="#">36, 47.590, 145.628</a>
Yxy	<a href="#">8.8753, 0.2793, 0.5254</a>
Android (android.graphics.Color)	<a href="#">4278215206 (0xFF006226)</a>
YUV	<a href="#">61.8580, -11.7620, -54.2495</a>
Hunter-Lab	<a href="#">29.7915, -23.8692, 14.2901</a>

# Details

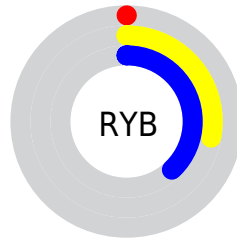
The Hex color **006226** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **62003C**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **459655**, and **003200** is the 20% darker color. If you saturate the color by 10%, you get **006226**, and if you desaturate by 10%, it is **0A622C**.

# Distribution



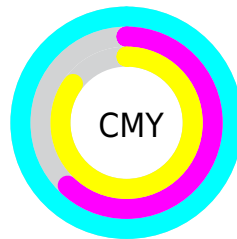
- Red (0%)
- Green (38%)
- Blue (15%)



- Red (0%)
- Yellow (28%)
- Blue (38%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (62%)



- Cyan (100%)
- Magenta (62%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 006226 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 006226 by changing the saturation by 10% instead.



 006226

 006226

FFFFFF

 00490F

 459655

 003200

 60B16E

 001C00

 7BCD87

 000000

 97E9A2

 B3FFBD

 CFFFD9

 ECFFF6


 006226

 0A622C

 146232

 1D6238

 27623E

 316244

 3B624A

 456250

 4E6256

 58625C

# Harmonies

## Analogous

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



465C00



006226



00654D

# Triad

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



006226



005AA0



963036

# Complementary

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



006226



62003C

# 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.



942C5B



006226



474C99

# Square

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



006226



006293



7C3A80



864113

# Rectangle

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



006226



006568



7C3A80



982D42



# Sweetspot

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



006226



598068



3C6200



294032



BFBFBF



404040



# Same Dimension

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



006226



008031



006257



2C302D



00702C



00F05D



# Inverse Universe

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



62003C



80004E



62000B



302C2F



700045



F00093



# Previews

## White Background



This preview shows how the Hex color 006226 looks on a white background.

## Color Contrast Check

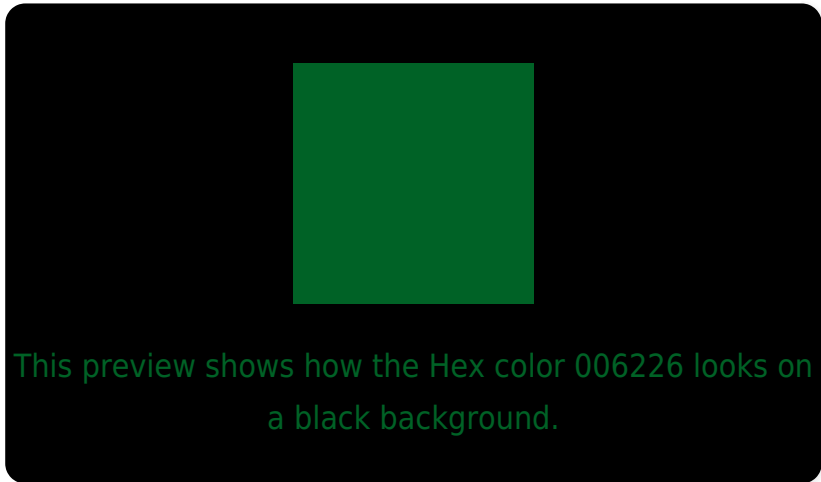
Large Text (above 18pt) WCAG AA ✓ Pass

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

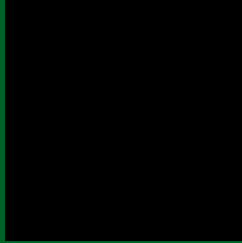
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 006226 Background



This preview shows how black text looks on a background with the Hex color 006226.



This preview shows how white text looks on a background with the Hex color 006226.

# 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**  
006226

**Protanopia**  
5E5422

**Deuteranopia**  
67502B



**Tritanopia**  
275C63

# Trichromacy



**Original Color**  
006226



**Protanomaly**  
3C5923



**Deuteranomaly**  
425729

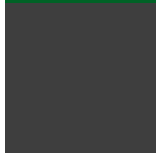


**Tritanomaly**  
195E4D

# Monochromacy



**Original Color**  
006226



**Achromatopsia**  
3E3E3E



**Achromatomaly**  
274B35

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 006226 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 #006226 looks like.

```
.text, #text, p{  
    color:#006226  
}
```

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 #006226 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #006226
}
```

## Border

The CSS property to change the border of an element to Hex 006226 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
#006226 }
```

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

```
.border{ border-color:#006226 }
```

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

Here you see how a box with a 4 pixel #006226 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #006226; -webkit-box-shadow:4px 4px  
4px 4px #006226; box-shadow:4px 4px 4px  
4px #006226 }
```

# Background

The CSS property to change the background color of an element to Hex 006226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#006226 }
```

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

```
.background{ background-color:#006226 }
```

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