

# Converting Colors

Hex(046406)

Have a look what the booklet for  
Hex(046406) contains.

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**Color**

**Hex(046406)**

# Conversions

## Conversions Part 1

Format	Color
Hex	046406
RGB	4, 100, 6
RGB Percent	2%, 39%, 2%
CMY	0.9843, 0.6078, 0.9765
CMYK	0.96, 0.00, 0.94, 0.61
HSL	121°, 92%, 20%
HSV	121°, 96%, 39%
XYZ	4.6401, 9.1533, 1.6945
YIQ	60.5800, -27.0420, -49.5860

# Conversions

## Conversions Part 2

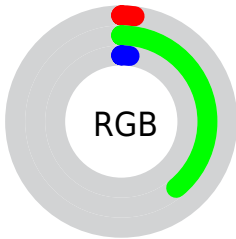
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 98, 100
Decimal	287750
CIELab	36.28, -42.60, 40.20
CIELCh	36, 58.570, 136.657
Yxy	9.1533, 0.2996, 0.5910
Android (android.graphics.Color)	4278477830 (0xFF046406)
YUV	60.5800, -26.9079, -49.6207
Hunter-Lab	30.2544, -25.5688, 17.8574

# Details

The Hex color **046406** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **640462**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **49983C**, and **003400** is the 20% darker color. If you saturate the color by 10%, you get **006402**, and if you desaturate by 10%, it is **0E6410**.

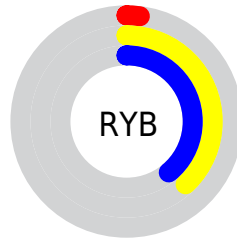
# Distribution



Red (2%)

Green (39%)

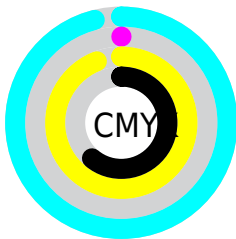
Blue (2%)



Red (2%)

Yellow (38%)

Blue (39%)

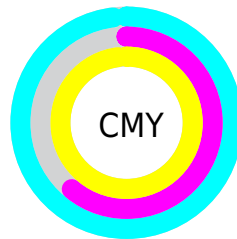


Cyan (96%)

Magenta (0%)

Yellow (94%)

Black (61%)



Cyan (98%)

Magenta (61%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 046406 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 046406 by changing the saturation by 10% instead.



 046406

 046406

 FFFFF9

 004B00

 49983C

 003400

 65B355

 001E00

 80CF6F

 000000

 9CEB89

 B8FFA4

 D5FFBF

 F2FFDC

 046406

 046406

■ 006402

■ 0E6410

■ 18641A

■ 226423

■ 2C642D

■ 366437

■ 406441

■ 4A644B

■ 546454

■ 5E645E

# Harmonies

## Analogous

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



505B00



046406



00683E

# Triad

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



046406



0061B2



A6193E

# Complementary

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



046406



640462

# 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.



9D1D6C



046406



0052B1

# Square

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



046406



006899



773A97



98340F

# Rectangle

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



046406



00695F



773A97



A6144D



# Sweetspot

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



046406



5C825D



626404



2B422C



C2C2C2



424242



# Same Dimension

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



046406



008203



046436



2E332E



007302



00F205



# Inverse Universe

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



640462



82007F



640432



332E33



730070

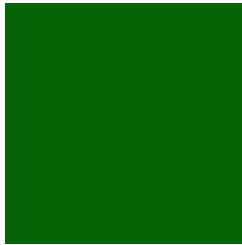


F200ED



# Previews

## White Background



This preview shows how the Hex color 046406 looks on a white background.

## Color Contrast Check

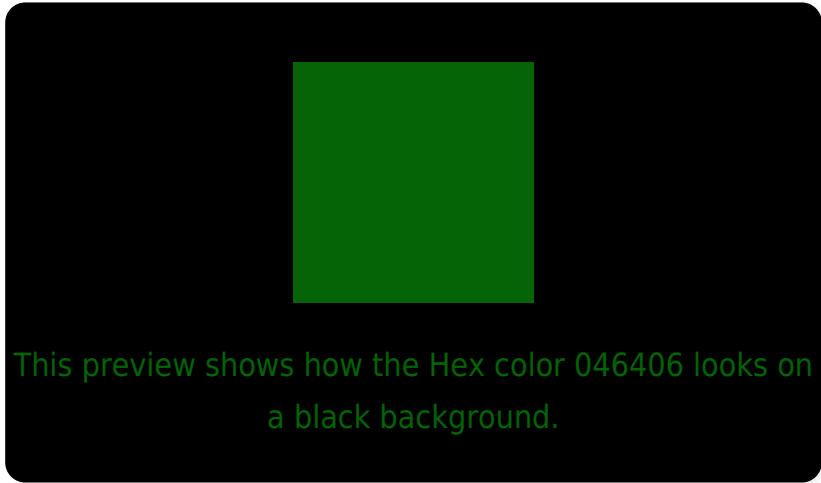
Large Text (above 18pt) WCAG AA ✓ Pass

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 046406 Background



This preview shows how black text looks on a background with the Hex color 046406.



This preview shows how white text looks on a background with the Hex color 046406.

# 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**  
046406

**Protanopia**  
605600

**Deuteranopia**  
6B5116



# Trichromacy



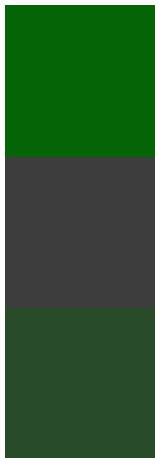
**Original Color**  
046406

**Protanomaly**  
3F5B02

**Deuteranomaly**  
465810

**Tritanomaly**  
1C6042

# Monochromacy



**Original Color**  
046406

**Achromatopsia**  
3D3D3D

**Achromatomaly**  
284B29

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 046406 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 #046406 looks like.

```
.text, #text, p{  
    color:#046406  
}
```

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 #046406 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #046406
}
```

## Border

The CSS property to change the border of an element to Hex 046406 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
#046406 }
```

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

```
.border{ border-color:#046406 }
```

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

Here you see how a box with a 4 pixel #046406 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #046406; -webkit-box-shadow:4px 4px  
4px 4px #046406; box-shadow:4px 4px 4px  
4px #046406 }
```

# Background

The CSS property to change the background color of an element to Hex 046406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#046406 }
```

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

```
.background{ background-color:#046406 }
```

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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