

# Converting Colors

Hex(066C34)

Have a look what the booklet for  
Hex(066C34) contains.

<b>Hex(066C34)</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(066C34)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	066C34
RGB	6, 108, 52
RGB Percent	2%, 42%, 20%
CMY	0.9765, 0.5765, 0.7961
CMYK	0.94, 0.00, 0.52, 0.58
HSL	147°, 89%, 22%
HSV	147°, 94%, 42%
XYZ	6.0575, 11.0118, 5.0550
YIQ	71.1180, -42.8160, -39.0400

# Conversions

## Conversions Part 2

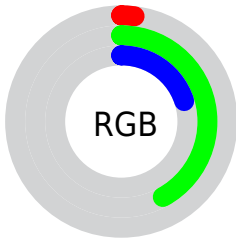
<b>Format</b>	<b>Color</b>
<b>RYB</b>	6, 76, 108
Decimal	420916
CIELab	39.60, -39.94, 23.98
CIELCh	40, 46.583, 149.016
Yxy	11.0118, 0.2738, 0.4977
Android (android.graphics.Color)	4278610996 (0xFF066C34)
YUV	71.1180, -9.4252, -57.1085
Hunter-Lab	33.1840, -25.4881, 14.1969

# Details

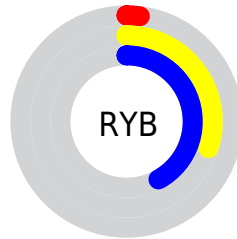
The Hex color **066C34** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6C063E**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **4AA064**, and **003B07** is the 20% darker color. If you saturate the color by 10%, you get **006C31**, and if you desaturate by 10%, it is **116C3A**.

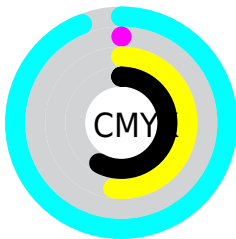
# Distribution



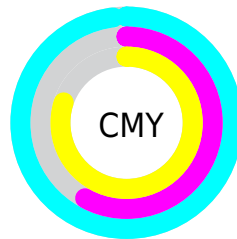
- Red (2%)
- Green (42%)
- Blue (20%)



- Red (2%)
- Yellow (30%)
- Blue (42%)



- Cyan (94%)
- Magenta (0%)
- Yellow (52%)
- Black (58%)



- Cyan (98%)
- Magenta (58%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 066C34 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 066C34 by changing the saturation by 10% instead.



 066C34

 066C34

FFFFFF

 00531E

 4AA064

 003B07

 66BC7D

 002600

 81D897

 000000

 9DF5B2

 B9FFCE

 D6FFEA

 F3FFFF

 066C34

 066C34

■ 006C31

■ 116C3A

■ 1C6C40

■ 266C46

■ 316C4C

■ 3C6C52

■ 476C58

■ 526C5E

■ 5C6C63

■ 676C69

# Harmonies

## Analogous

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



4C6612



066C34



006F5B

# Triad

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



066C34



0062A9



9F3D3B

# Complementary

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



066C34



6C063E

# 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.



9F3860



066C34



5A54A0

# Square

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



066C34



006B9E



8A4285



8E4C1A

# Rectangle

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



066C34



006F75



8A4285



A13947



# Sweetspot

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



066C34



658C77



3E6C06



2F473A



C7C7C7



474747



# Same Dimension

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



066C34



008C3F



066C67



303633



007535



00F56E



# Inverse Universe

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



6C063E



8C004D



6C060B



363033



750040



F50086



# Previews

## White Background



This preview shows how the Hex color 066C34 looks on a white background.

## Color Contrast Check

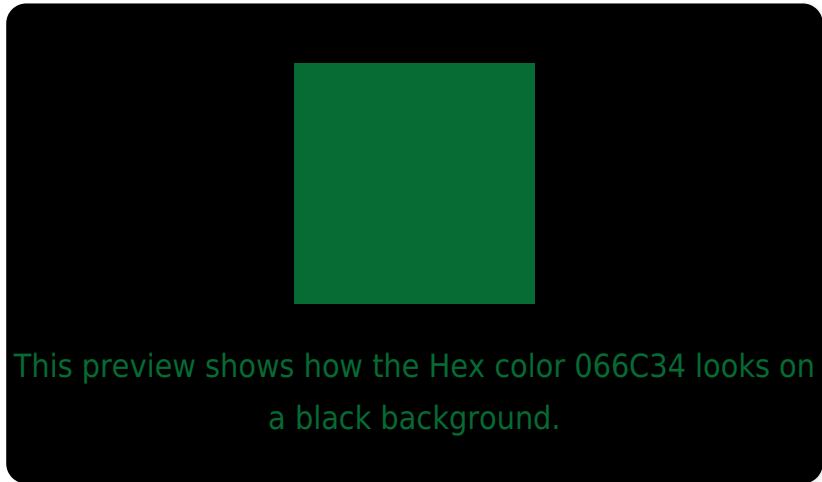
Large Text (above 18pt) WCAG AA ✓ Pass

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

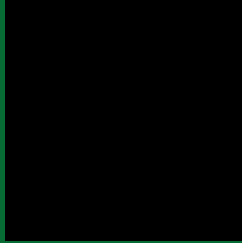
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 066C34 Background



This preview shows how black text looks on a background with the Hex color 066C34.



This preview shows how white text looks on a background with the Hex color 066C34.

# 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**  
066C34

**Protanopia**  
675D2F

**Deuteranopia**  
715939



**Tritanopia**  
2A666E

# Trichromacy



**Original Color**  
066C34



**Protanomaly**  
446231



**Deuteranomaly**  
4A6037



**Tritanomaly**  
1D6859

# Monochromacy



**Original Color**  
066C34



**Achromatopsia**  
474747



**Achromatomaly**  
2F5440

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 066C34 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 #066C34 looks like.

```
.text, #text, p{  
  color:#066C34  
}
```

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 #066C34 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #066C34
}
```

## Border

The CSS property to change the border of an element to Hex 066C34 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
#066C34 }
```

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

```
.border{ border-color:#066C34 }
```

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

Here you see how a box with a 4 pixel #066C34 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #066C34; -webkit-box-shadow:4px 4px  
4px 4px #066C34; box-shadow:4px 4px 4px  
4px #066C34 }
```

# Background

The CSS property to change the background color of an element to Hex 066C34 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#066C34 }
```

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

```
.background{ background-color:#066C34 }
```

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