

# Converting Colors

Hex(006635)

Have a look what the booklet for  
Hex(006635) contains.

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# Color

Hex(006635)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	006635
RGB	0, 102, 53
RGB Percent	0%, 40%, 21%
CMY	1.0000, 0.6000, 0.7922
CMYK	1.00, 0.00, 0.48, 0.60
HSL	151°, 100%, 20%
HSV	151°, 100%, 40%
XYZ	5.3940, 9.7598, 4.9677
YIQ	65.9160, -45.0630, -36.8630

# Conversions

## Conversions Part 2

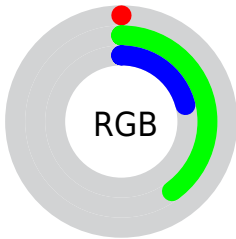
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 67, 102
Decimal	26165
CIELab	37.41, -38.06, 20.62
CIELCh	37, 43.287, 151.557
Yxy	9.7598, 0.2681, 0.4850
Android (android.graphics.Color)	4278216245 (0xFF006635)
YUV	65.9160, -6.3676, -57.8083
Hunter-Lab	31.2407, -23.8515, 12.4405

# Details

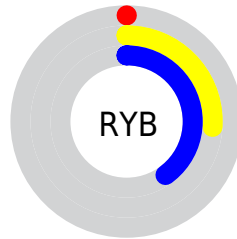
The Hex color **006635** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **660031**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **469A64**, and **003608** is the 20% darker color. If you saturate the color by 10%, you get **006635**, and if you desaturate by 10%, it is **0A663A**.

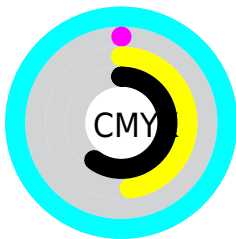
# Distribution



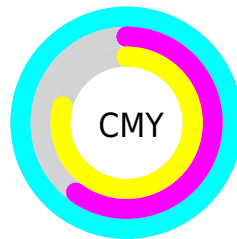
- Red (0%)
- Green (40%)
- Blue (21%)



- Red (0%)
- Yellow (26%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (60%)



- Cyan (100%)
- Magenta (60%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 006635 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 006635 by changing the saturation by 10% instead.



 006635

 006635

FFFFFF

 004D1F

 469A64

 003608

 61B57E

 002100

 7CD198

 000000

 98EEB3

 B4FFCE

 D1FFEA

 EEEFFF

 006635

 0A663A

 14663F

 1F6644

 296649

 33664E

 3D6652

 476657

 52665C

 5C6661

# Harmonies

## Analogous

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



456016



006635



006859

# Triad

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



006635



005C9E



943C36

# Complementary

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



006635



660031

# 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.



963658



006635



5A4E94

# Square

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



006635



006495



833E7A



834A19

# Rectangle

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



006635



006871



833E7A



973841



# Sweetspot

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



006635



5D8571



316600



2A4237



C2C2C2



424242



# Same Dimension

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



006635



008545



006466



2E3331



00733C



00F27E



# Inverse Universe

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



660031



850040



660200



332E30



730037



F20074



# Previews

## White Background



This preview shows how the Hex color 006635 looks on a white background.

## Color Contrast Check

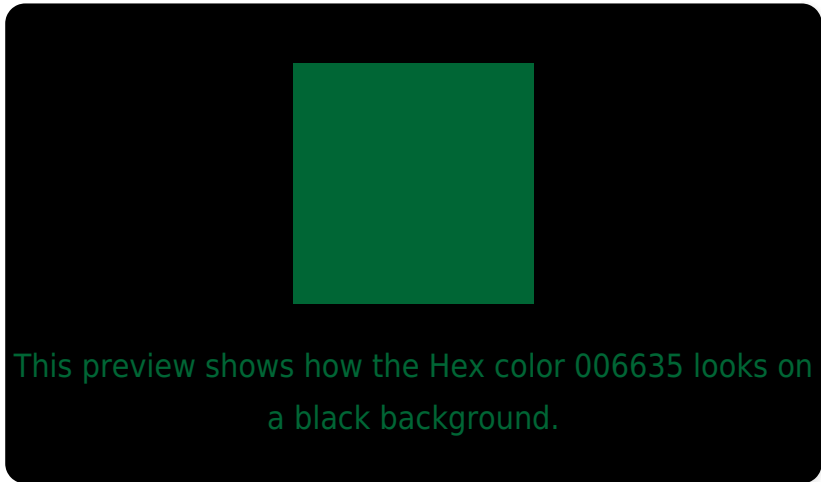
Large Text (above 18pt) WCAG AA ✓ Pass

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

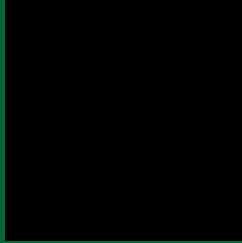
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 006635 Background



This preview shows how black text looks on a background with the Hex color 006635.



This preview shows how white text looks on a background with the Hex color 006635.

# 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**  
006635

**Protanopia**  
615830

**Deuteranopia**  
6A5439



**Tritanopia**  
276068

# Trichromacy



**Original Color**  
006635



**Protanomaly**  
3E5D32



**Deuteranomaly**  
435B38



**Tritanomaly**  
196255

# Monochromacy



**Original Color**  
006635



**Achromatopsia**  
424242



**Achromatomaly**  
2A4F3D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 006635 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 #006635 looks like.

```
.text, #text, p{  
    color:#006635  
}
```

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 #006635 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #006635
}
```

## Border

The CSS property to change the border of an element to Hex 006635 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
#006635 }
```

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

```
.border{ border-color:#006635 }
```

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

Here you see how a box with a 4 pixel #006635 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #006635; -webkit-box-shadow:4px 4px  
4px 4px #006635; box-shadow:4px 4px 4px  
4px #006635 }
```

# Background

The CSS property to change the background color of an element to Hex 006635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#006635 }
```

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

```
.background{ background-color:#006635 }
```

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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