

Converting Colors

Hex(016517)

Have a look what the booklet for
Hex(016517) contains.

Hex(016517)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(016517)

Conversions

Conversions Part 1

Format	Color
Hex	016517
RGB	1, 101, 23
RGB Percent	0%, 40%, 9%
CMY	0.9961, 0.6039, 0.9098
CMYK	0.99, 0.00, 0.77, 0.60
HSL	133°, 98%, 20%
HSV	133°, 99%, 40%
XYZ	4.8209, 9.3757, 2.3662
YIQ	62.2080, -34.5620, -45.4580

Conversions

Conversions Part 2

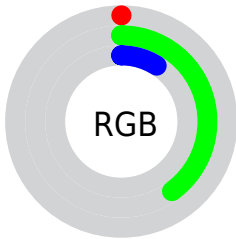
Format	Color
RYB	1, 83, 101
Decimal	91415
CIELab	36.70, -42.06, 35.05
CIELCh	37, 54.750, 140.200
Yxy	9.3757, 0.2911, 0.5661
Android (android.graphics.Color)	4278281495 (0xFF016517)
YUV	62.2080, -19.3295, -53.6794
Hunter-Lab	30.6197, -25.4810, 16.8520

Details

The Hex color **016517** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **65014F**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **479948**, and **003400** is the 20% darker color. If you saturate the color by 10%, you get **006516**, and if you desaturate by 10%, it is **0B651F**.

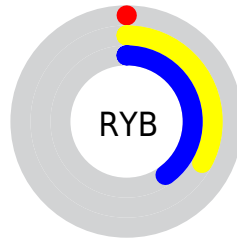
Distribution



Red (0%)

Green (40%)

Blue (9%)



Red (0%)

Yellow (33%)

Blue (40%)

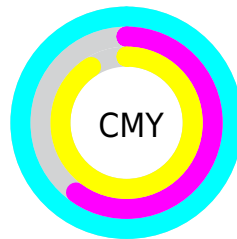


Cyan (99%)

Magenta (0%)

Yellow (77%)

Black (60%)



Cyan (100%)


Magenta (60%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Hex color 016517 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 016517 by changing the saturation by 10% instead.

 016517

 016517

FFFFFF

 004C00

 479948

 003400

 63B460

 001F00

 7ED07A

 000000

 9AED94

 B6FFAF

 D3FFCB

 F0FFE8

 016517

 016517

■ 006516

■ 0B651F

■ 156527

■ 1F652F

■ 296537

■ 34653E

■ 3E6546

■ 48654E

■ 526556

■ 5C655E

Harmonies

Analogous

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



4D5D00



016517



006946

Triad

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



016517



0060AE



A2253B

Complementary

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



016517



65014F

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.



9D2467



016517



2E51AA

Square

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



016517



00679A



7C3B8F



933B10

Rectangle

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



016517



006A65



7C3B8F



A32149

Sweetspot

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



016517



5B8264



4F6501



2A4230



C2C2C2



424242

Same Dimension

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



016517



00821D



016549



2E332F



007319



00F235

Inverse Universe

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



65014F



820065



65011D



332E32



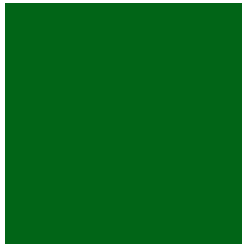
73005A



F200BD

Previews

White Background



This preview shows how the Hex color 016517 looks on a white background.

Color Contrast Check

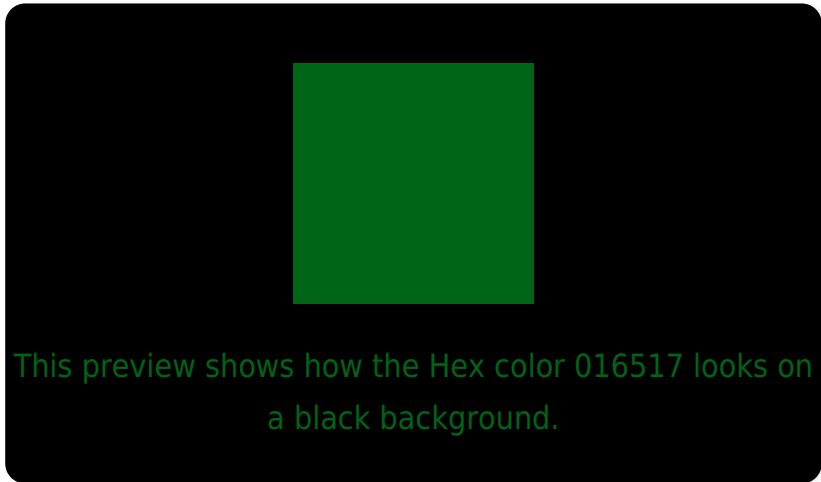
Large Text (above 18pt) WCAG AA ✓ Pass

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 016517 Background



This preview shows how black text looks on a background with the Hex color 016517.



This preview shows how white text looks on a background with the Hex color 016517.

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
016517

Protanopia
615713

Deuteranopia
6C521F



Tritanopia
2A5E66

Trichromacy



Original Color
016517



Protanomaly
3E5C14



Deuteranomaly
45591C

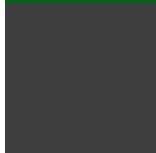


Tritanomaly
1B6149

Monochromacy



Original Color
016517



Achromatopsia
3E3E3E



Achromatomaly
284C30

CSS Examples

Text

The CSS property to change the color of the text to Hex 016517 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 #016517 looks like.

```
.text, #text, p{  
    color:#016517  
}
```

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 #016517 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #016517
}
```

Border

The CSS property to change the border of an element to Hex 016517 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".

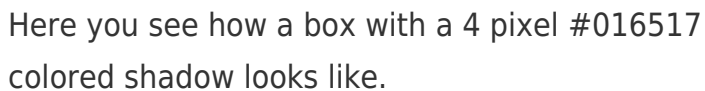
```
.border, #border, table{ border:4px solid
#016517 }
```

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

```
.border{ border-color:#016517 }
```

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

Here you see how a box with a 4 pixel #016517 colored shadow looks like.

A rectangular box with a thick green border and a green shadow. The box is white with a green border and a green shadow. The shadow is a 4px solid green color.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #016517; -webkit-box-shadow:4px 4px  
4px 4px #016517; box-shadow:4px 4px 4px  
4px #016517 }
```

Background

The CSS property to change the background color of an element to Hex 016517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#016517 }
```

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

```
.background{ background-color:#016517 }
```

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