

# Converting Colors

Hex(417B47)

Have a look what the booklet for  
Hex(417B47) contains.

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# Color

Hex(417B47)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	417B47
RGB	65, 123, 71
RGB Percent	25%, 48%, 28%
CMY	0.7451, 0.5176, 0.7216
CMYK	0.47, 0.00, 0.42, 0.52
HSL	126°, 31%, 37%
HSV	126°, 47%, 48%
XYZ	10.4003, 15.7447, 8.4521
YIQ	99.7300, -17.8760, -28.4680

# Conversions

## Conversions Part 2

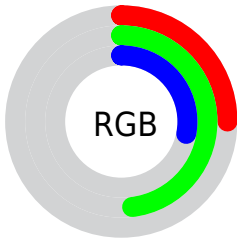
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	65, 118, 123
Decimal	4291399
CIE <sub>Lab</sub>	46.64, -30.84, 22.68
CIE <sub>LCh</sub>	47, 38.281, 143.668
Yxy	15.7447, 0.3006, 0.4551
Android (android.graphics.Color)	4282481479 (0xFF417B47)
YUV	99.7300, -14.1639, -30.4582
Hunter-Lab	39.6796, -22.6532, 15.1464

# Details

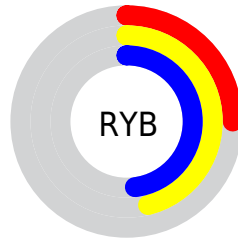
The Hex color **417B47** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7B4175**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **74B078**, and **0A491A** is the 20% darker color. If you saturate the color by 10%, you get **357B3C**, and if you desaturate by 10%, it is **4D7B52**.

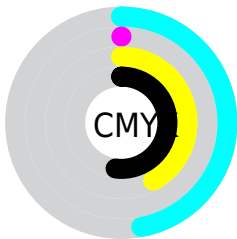
# Distribution



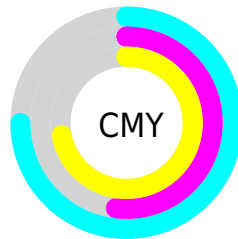
- Red (25%)
- Green (48%)
- Blue (28%)



- Red (25%)
- Yellow (46%)
- Blue (48%)



- Cyan (47%)
- Magenta (0%)
- Yellow (42%)
- Black (52%)



- Cyan (75%)
- Magenta (52%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 417B47 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 417B47 by changing the saturation by 10% instead.



 417B47

 417B47

FFFFFF

 276230

 74B078

 0A491A

 8FCC92

 003202

 AAE8AD

 001F00

 C6FFC8

 000000

 E3FFE4

 417B47

 417B47

 357B3C

 4D7B52

 287B31

 5A7B5D

 1C7B26

 667B68

 107B1B

 727B73

 037B10

 7E7B7E

 007B0D

 8B7B89

 977B94

 A37B9F

 B07BAA

# Harmonies

## Analogous

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



687431



417B47



007E66

# Triad

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



417B47



1874AE



AA5557

# Complementary

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



417B47



7B4175

# 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.



A65477



417B47



6669A9

# Square

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



417B47



007BA2



905C95



9F5F3C

# Rectangle

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



417B47



007F7D



905C95



AB5361



# Sweetspot

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



417B47



8AA18C



757B41



445245



D1D1D1



525252



# Same Dimension

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



417B47



45A14F



417B64



373D38



007D0D



00FC1A



# Inverse Universe

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



7B4175



A14597



7B4158



3D373D



7D0070



FC00E2



# Previews

## White Background



This preview shows how the Hex color 417B47 looks on a white background.

## Color Contrast Check

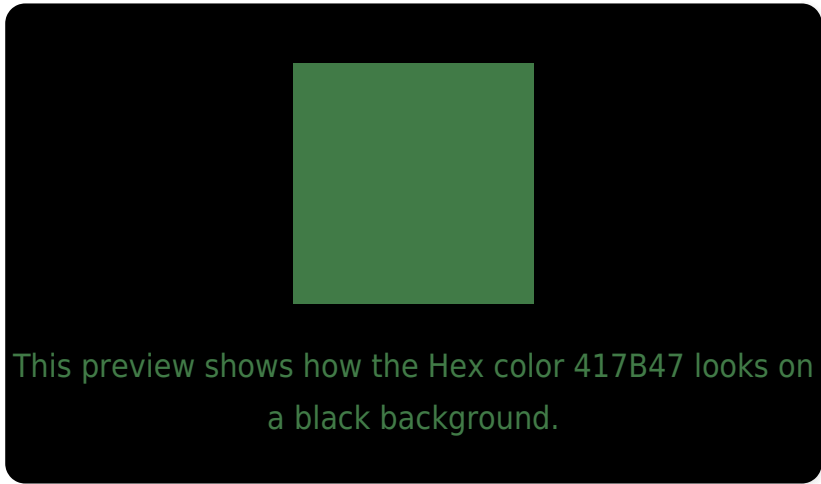
Large Text (above 18pt) WCAG AA ✓ Pass

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

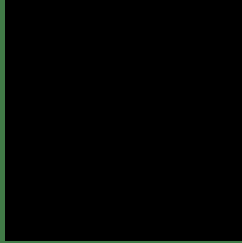
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 417B47 Background



This preview shows how black text looks on a background with the Hex color 417B47.

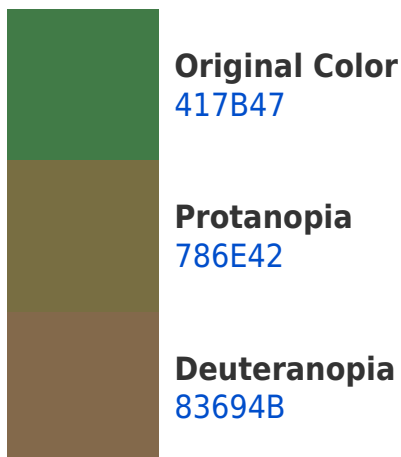


This preview shows how white text looks on a background with the Hex color 417B47.

# 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](#).

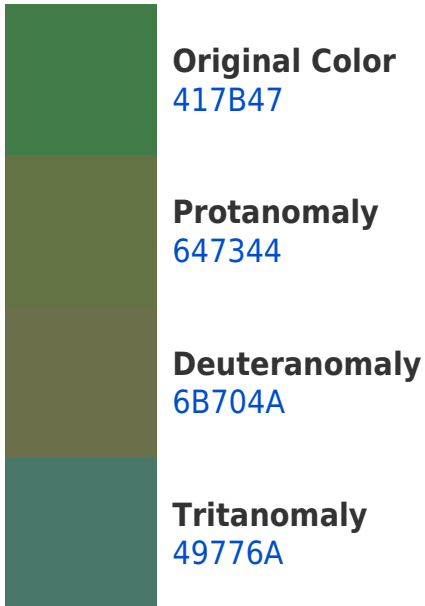
## Dichromacy



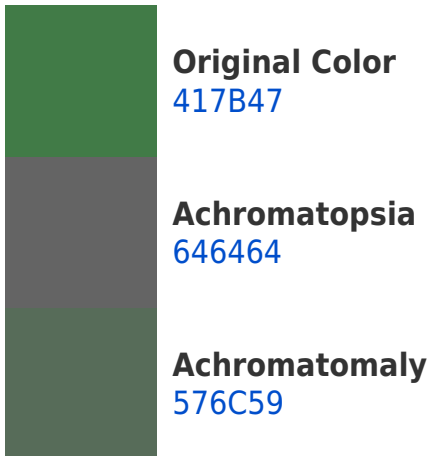


**Tritanopia**  
4D757E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 417B47 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 #417B47 looks like.

```
.text, #text, p{  
    color:#417B47  
}
```

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 #417B47 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #417B47  
}
```

## Border

The CSS property to change the border of an element to Hex 417B47 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  
#417B47 }
```

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

```
.border{ border-color:#417B47 }
```

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

Here you see how a box with a 4 pixel #417B47 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #417B47; -webkit-box-shadow:4px 4px  
4px 4px #417B47; box-shadow:4px 4px 4px  
4px #417B47 }
```

# Background

The CSS property to change the background color of an element to Hex 417B47 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#417B47 }
```

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

```
.background{ background-color:#417B47 }
```

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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