

# Converting Colors

Hex(46A16C)

Have a look what the booklet for  
Hex(46A16C) contains.

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# Color

Hex(46A16C)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	46A16C
RGB	70, 161, 108
RGB Percent	27%, 63%, 42%
CMY	0.7255, 0.3686, 0.5765
CMYK	0.57, 0.00, 0.33, 0.37
HSL	145°, 39%, 45%
HSV	145°, 57%, 63%
XYZ	17.9774, 27.8745, 18.6202
YIQ	127.7490, -37.2230, -35.7750

# Conversions

## Conversions Part 2

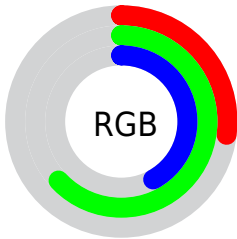
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 134, 161
Decimal	4628844
CIELab	59.78, -39.61, 19.63
CIELCh	60, 44.205, 153.630
Yxy	27.8745, 0.2788, 0.4324
Android (android.graphics.Color)	4282818924 (0xFF46A16C)
YUV	127.7490, -9.7363, -50.6459
Hunter-Lab	52.7963, -31.6134, 16.0471

# Details

The Hex color **46A16C** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **A1467B**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **7DD8A0**, and **006C3C** is the 20% darker color. If you saturate the color by 10%, you get **36A163**, and if you desaturate by 10%, it is **56A175**.

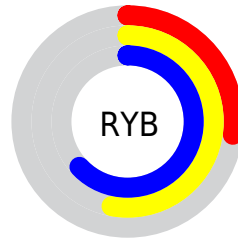
# Distribution



Red (27%)

Green (63%)

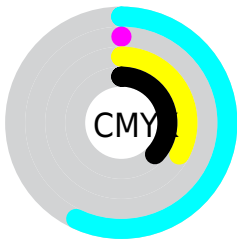
Blue (42%)



Red (27%)

Yellow (53%)

Blue (63%)

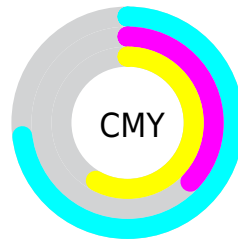


Cyan (57%)

Magenta (0%)

Yellow (33%)

Black (37%)



Cyan (73%)

Magenta (37%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46A16C 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 46A16C by changing the saturation by 10% instead.



 46A16C

 46A16C

FFFFFF

 288653

 7DD8A0

 006C3C

 99F5BB

 005326

 B6FFD7

 003B10

 D2FFF3

 002700

 F0FFFF

 000000

 46A16C

 46A16C

 36A163

 56A175

 26A159

 66A17F

■ 16A150

■ 76A188

■ 06A146

■ 86A192

■ 00A143

■ 97A19B

■ A7A1A4

■ B7A1AE

■ C7A1B7

■ D7A1C0

# Harmonies

## Analogous

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



7A9A4D



46A16C



00A494

# Triad

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



46A16C



5593DD



D67467

# Complementary

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



46A16C



A1467B

# 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.



D86F8D



46A16C



9984D1

# Square

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



46A16C



009DD5



C476B3



C3814A

# Rectangle

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



46A16C



00A4AE



C476B3



D97173



# Sweetspot

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



46A16C



AED1BC



7BA146



54695C



E8E8E8



696969



# Same Dimension

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



46A16C



43D17E



46A199



49524D



00913D



001207



# Inverse Universe

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



A1467B



D14396



A1464E



52494E



910055



12000A



# Previews

## White Background



This preview shows how the Hex color 46A16C looks on a white background.

## Color Contrast Check

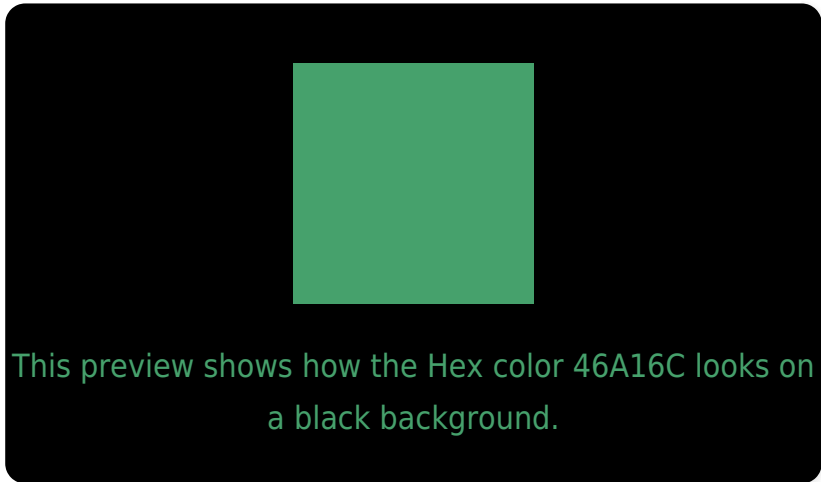
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

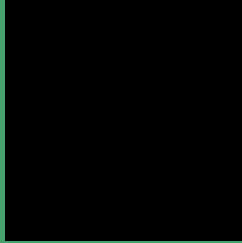
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 46A16C Background



This preview shows how black text looks on a background with the Hex color 46A16C.



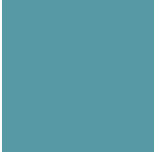
This preview shows how white text looks on a background with the Hex color 46A16C.

# 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**  
579AA6

# Trichromacy



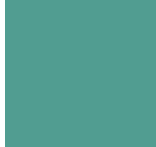
**Original Color**  
46A16C



**Protanomaly**  
7B9667



**Deuteranomaly**  
84926F



**Tritanomaly**  
519D91

# Monochromacy



**Original Color**  
46A16C



**Achromatopsia**  
808080



**Achromatomaly**  
6B8C79

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46A16C 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 #46A16C looks like.

```
.text, #text, p{  
    color:#46A16C  
}
```

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 #46A16C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46A16C
}
```

## Border

The CSS property to change the border of an element to Hex 46A16C 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
#46A16C }
```

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

```
.border{ border-color:#46A16C }
```

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

Here you see how a box with a 4 pixel #46A16C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46A16C; -webkit-box-shadow:4px 4px  
4px 4px #46A16C; box-shadow:4px 4px 4px  
4px #46A16C }
```

# Background

The CSS property to change the background color of an element to Hex 46A16C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46A16C }
```

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

```
.background{ background-color:#46A16C }
```

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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