

# Converting Colors

Hex(46AA84)

Have a look what the booklet for  
Hex(46AA84) contains.

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**Color**

**Hex(46AA84)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46AA84
RGB	70, 170, 132
RGB Percent	27%, 67%, 52%
CMY	0.7255, 0.3333, 0.4824
CMYK	0.59, 0.00, 0.22, 0.33
HSL	157°, 42%, 47%
HSV	157°, 59%, 67%
XYZ	21.0654, 31.7175, 26.8416
YIQ	135.7680, -47.4020, -33.0180

# Conversions

## Conversions Part 2

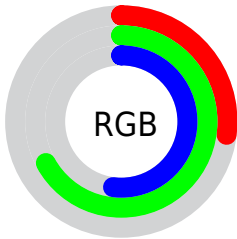
Format	Color
<a href="#">RYB</a>	<a href="#">70, 132, 170</a>
Decimal	<a href="#">4631172</a>
CIELab	<a href="#">63.11, -38.40, 10.99</a>
CIELCh	<a href="#">63, 39.943, 164.030</a>
Yxy	<a href="#">31.7175, 0.2646, 0.3983</a>
Android (android.graphics.Color)	<a href="#">4282821252 (0xFF46AA84)</a>
YUV	<a href="#">135.7680, -1.8576, -57.6785</a>
Hunter-Lab	<a href="#">56.3183, -31.7906, 11.1648</a>

# Details

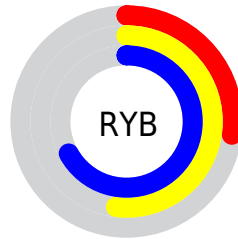
The Hex color **46AA84** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **AA466C**, and the grayscale version is **888888**.

A 20% lighter version of the original color is **7FE2B9**, and **007552** is the 20% darker color. If you saturate the color by 10%, you get **35AA7E**, and if you desaturate by 10%, it is **57AA8A**.

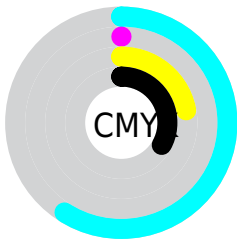
# Distribution



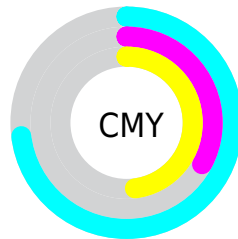
- Red (27%)
- Green (67%)
- Blue (52%)



- Red (27%)
- Yellow (52%)
- Blue (67%)



- Cyan (59%)
- Magenta (0%)
- Yellow (22%)
- Black (33%)



- Cyan (73%)
- Magenta (33%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46AA84 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 46AA84 by changing the saturation by 10% instead.





46AA84



46AA84

FFFFFF



268F6B



7FE2B9



007552



9BFFD5



005C3B



B8FFF1



004326



D5FFFF



002C11



F2FFFF



001300



000000



46AA84



46AA84



35AA7E



57AA8A

■ 24AA77

■ 68AA91

■ 13AA71

■ 79AA97

■ 02AA6A

■ 8AAA9E

■ 00AA69

■ 9BAAA4

■ ACAAAB

■ BDAAB1

■ CEAAB8

■ DFAABE

# Harmonies

## Analogous

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



77A564



46AA84



00ABA9

# Triad

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



46AA84



7E97DD



D68469

# Complementary

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



46AA84



AA466C

# 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.



DD7C89



46AA84



B289CC

# Square

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



46AA84



35A2DC



D17FAD



BF9054

# Rectangle

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



46AA84



00AABF



D17FAD



DA8073



# Sweetspot

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



46AA84



B6DECF



6CAA46



587067



F0F0F0



707070



# Same Dimension

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



46AA84



40DEA2



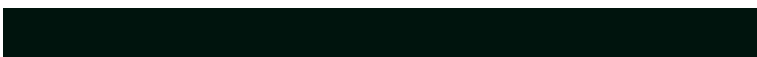
469EAA



4C5451



00945C



00140D



# Inverse Universe

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



AA466C



DE407C



AA5246



544C4F



940038

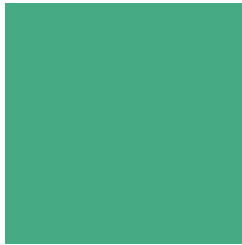


140008



# Previews

## White Background



This preview shows how the Hex color 46AA84 looks on a white background.

## Color Contrast Check

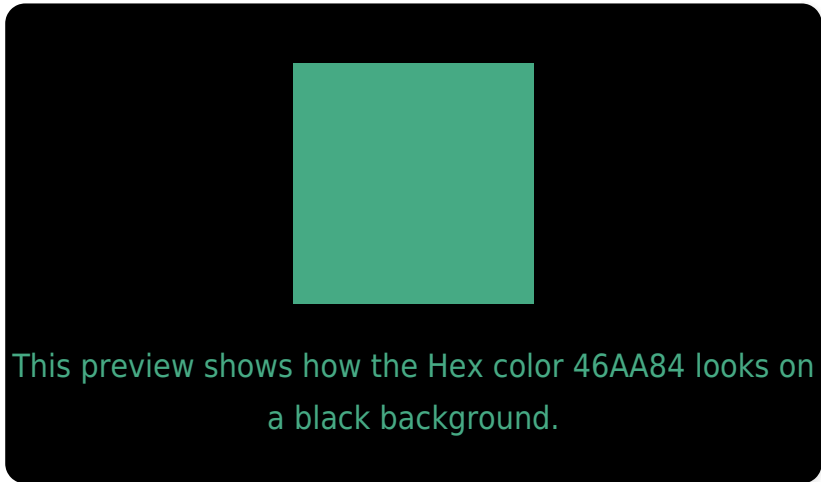
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

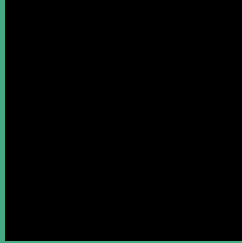
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 46AA84 Background



This preview shows how black text looks on a background with the Hex color 46AA84.

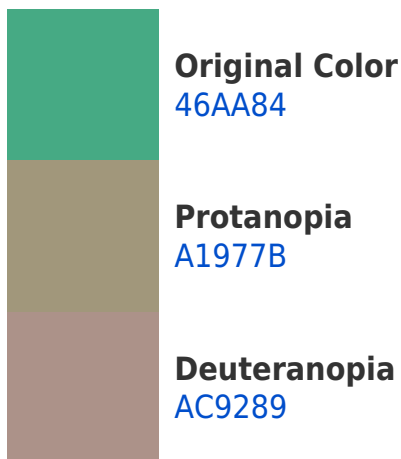


This preview shows how white text looks on a background with the Hex color 46AA84.

# 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



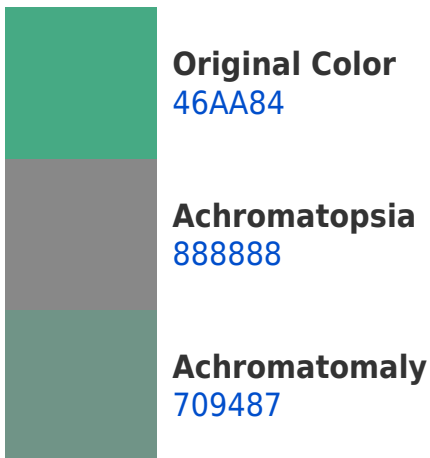


**Tritanopia**  
55A4B1

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46AA84 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 #46AA84 looks like.

```
.text, #text, p{  
    color:#46AA84  
}
```

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 #46AA84 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46AA84
}
```

## Border

The CSS property to change the border of an element to Hex 46AA84 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
#46AA84 }
```

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

```
.border{ border-color:#46AA84 }
```

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

Here you see how a box with a 4 pixel #46AA84 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46AA84; -webkit-box-shadow:4px 4px  
4px 4px #46AA84; box-shadow:4px 4px 4px  
4px #46AA84 }
```

# Background

The CSS property to change the background color of an element to Hex 46AA84 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46AA84 }
```

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

```
.background{ background-color:#46AA84 }
```

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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