

# Converting Colors

Hex(46AEAF)

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

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# Color

**Hex(46AEAF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46AEAF
RGB	70, 174, 175
RGB Percent	27%, 68%, 69%
CMY	0.7255, 0.3176, 0.3137
CMYK	0.60, 0.01, 0.00, 0.31
HSL	181°, 43%, 48%
HSV	181°, 60%, 69%
XYZ	25.3997, 34.6693, 45.9106
YIQ	143.0180, -62.3050, -21.7370

# Conversions

## Conversions Part 2

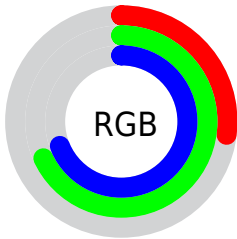
Format	Color
<a href="#">RYB</a>	<a href="#">70, 122, 175</a>
Decimal	<a href="#">4632239</a>
CIELab	<a href="#">65.49, -29.19, -9.47</a>
CIElCh	<a href="#">65, 30.693, 197.977</a>
Yxy	<a href="#">34.6693, 0.2397, 0.3271</a>
Android (android.graphics.Color)	<a href="#">4282822319</a> ( <a href="#">0xFF46AEAF</a> )
YUV	<a href="#">143.0180, 15.7671, -64.0368</a>
Hunter-Lab	<a href="#">58.8807, -26.0406, -5.0133</a>

# Details

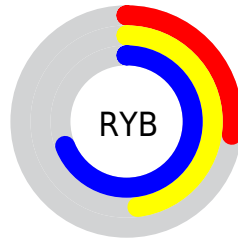
The Hex color **46AEAF** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **AF4746**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **82E6E6**, and **00797B** is the 20% darker color. If you saturate the color by 10%, you get **35AEAF**, and if you desaturate by 10%, it is **58AEAF**.

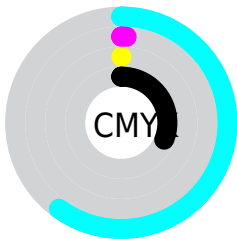
# Distribution



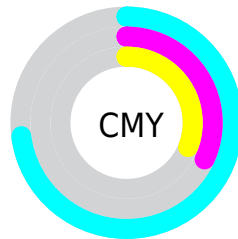
- Red (27%)
- Green (68%)
- Blue (69%)



- Red (27%)
- Yellow (48%)
- Blue (69%)



- Cyan (60%)
- Magenta (1%)
- Yellow (0%)
- Black (31%)



- Cyan (73%)
- Magenta (32%)
- Yellow (31%)

# Brightness & Saturation Gradients

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



 46AEAF

 46AEAF

FFFFFF

 229394

 82E6E6

 00797B

 9EFFFF

 006062

 BCFFFF

 00484A

 D9FFFF

 003034

 F7FFFF

 001D1E

 000004

 000000

 46AEAF

 46AEAF

■ 35AEAF

■ 58AEAF

■ 23AEAF

■ 69AEAF

■ 11AEAF

■ 7AAFAF

■ 00ADAF

■ 8CAFAF

■ 9EAFAF

■ AFAFAF

■ C1AFAF

■ D2AFAF

■ E4B0AF

# Harmonies

## Analogous

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



61AD93



46AEAF



47ABC7

# Triad

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



46AEAF



B792C4



BC9A69

# Complementary

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



46AEAF



AF4746

# 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.



CF9077



46AEAF



CE8BAB

# Square

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



46AEAF



939CD3



D68B8F



A1A36A

# Rectangle

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



46AEAF



5CA7D1



D68B8F



C3966D



# Sweetspot

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



46AEAF



BAE3E3



46AF46



5A7373



F2F2F2



737373



# Same Dimension

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



46AEAF



40E1E3



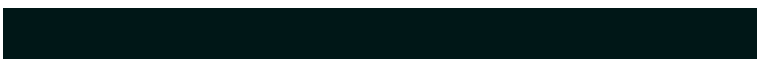
467AAF



4E5757



009596



001717



# Inverse Universe

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



AF46AE



E340E1



AF7A46



574E57



960095

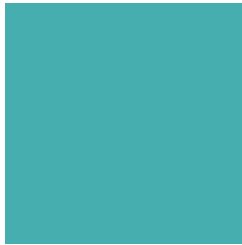


170017



# Previews

## White Background



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

## Color Contrast Check

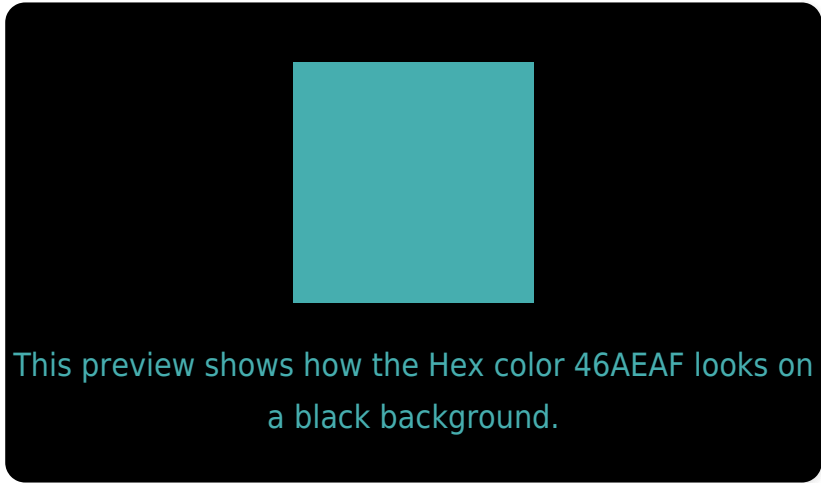
Large Text (above 18pt) WCAG AA × Fail

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

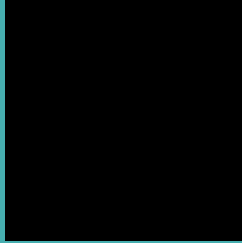
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

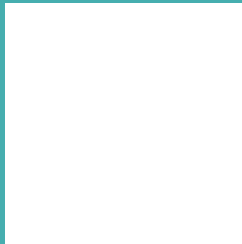
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 46AEAF Background



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

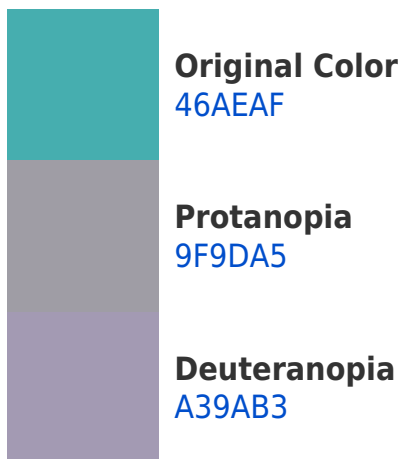


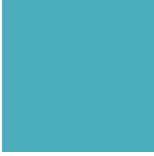
This preview shows how white text looks on a background with the Hex color 46AEAF.

# Color Blindness Simulation

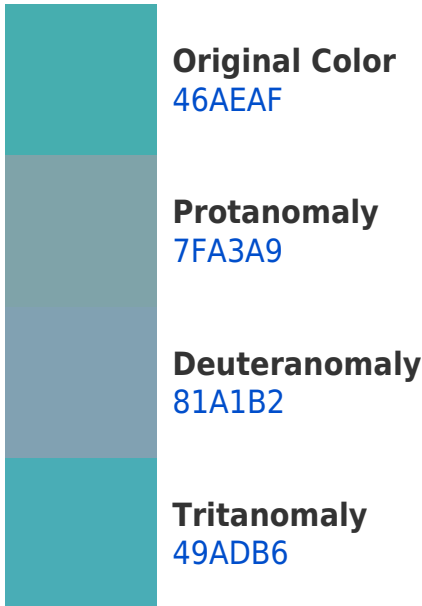
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

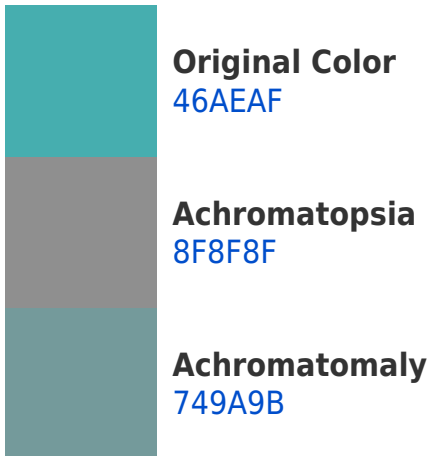




# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #46AEAF colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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