

# Converting Colors

Hex(66ACAE)

Have a look what the booklet for  
Hex(66ACAE) contains.

<b>Hex(66ACAE)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(66ACAE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66ACAE
RGB	102, 172, 174
RGB Percent	40%, 67%, 68%
CMY	0.6000, 0.3255, 0.3176
CMYK	0.41, 0.01, 0.00, 0.32
HSL	182°, 31%, 54%
HSV	182°, 41%, 68%
XYZ	27.8720, 35.3858, 45.4055
YIQ	151.2980, -42.3620, -14.2180

# Conversions

## Conversions Part 2

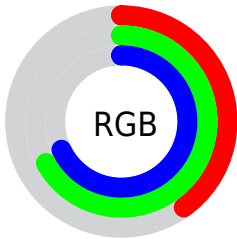
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 137, 174</a>
Decimal	<a href="#">6728878</a>
CIELab	<a href="#">66.05, -21.47, -7.96</a>
CIElCh	<a href="#">66, 22.898, 200.341</a>
Yxy	<a href="#">35.3858, 0.2565, 0.3256</a>
Android (android.graphics.Color)	<a href="#">4284918958 (0xFF66ACAE)</a>
YUV	<a href="#">151.2980, 11.1921, -43.2343</a>
Hunter-Lab	<a href="#">59.4860, -20.4648, -3.6158</a>

# Details

The Hex color **66ACAE** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **AE6866**, and the grayscale version is **979797**.

A 20% lighter version of the original color is **9DE4E5**, and **2F777A** is the 20% darker color. If you saturate the color by 10%, you get **55ACAE**, and if you desaturate by 10%, it is **77ACAE**.

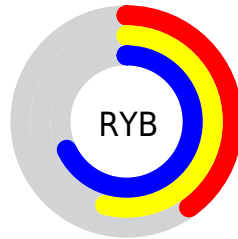
# Distribution



Red (40%)

Green (67%)

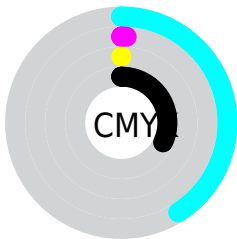
Blue (68%)



Red (40%)

Yellow (54%)

Blue (68%)

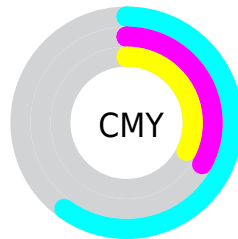


Cyan (41%)

Magenta (1%)

Yellow (0%)

Black (32%)



Cyan (60%)

Magenta (33%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66ACAE 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 66ACAE by changing the saturation by 10% instead.



 66ACAE

 66ACAE

FFFFFF

 4B9193


 9DE4E5

 2F777A

 B9FFFF

 0C5F61

 D5FFFF


 004749

 F3FFFF

 003033

 001D1E

 000003

 000000

 66ACAE

 66ACAE

■ 55ACAE

■ 77ACAE

■ 43ABAE

■ 89ADAE

■ 32ABAE

■ 9AADAЕ

■ 20AAAE

■ ACАEAE

■ 0FAAAE

■ BDAEAE

■ 00A9AE

■ CEAFAE

■ E0AFAE

■ F1B0AE

■ FFBOAE

# Harmonies

## Analogous

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



74AC99



66ACAE



6AAABF

# Triad

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



66ACAE



B497BB



B69D78

# Complementary

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



66ACAE



AE6866

# 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.



C59682



66ACAE



C592A8

# Square

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



66ACAE



9B9EC7



CB9293



A1A47A

# Rectangle

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



66ACAE



76A6C7



CB9293



BC9B7A



# Sweetspot

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



66ACAE



C8E2E3



66AE67



637273



F2F2F2



737373



# Same Dimension

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



66ACAE



71E0E3



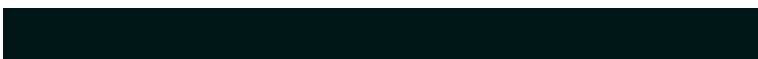
6689AE



4E5657



009296



001617



# Inverse Universe

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



AE66AC



E371E0



AE8B66



574E56



960092

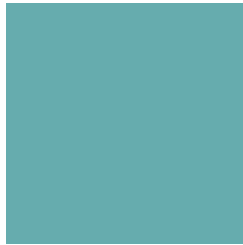


170016



# Previews

## White Background



This preview shows how the Hex color 66ACAE looks on a white background.

## Color Contrast Check

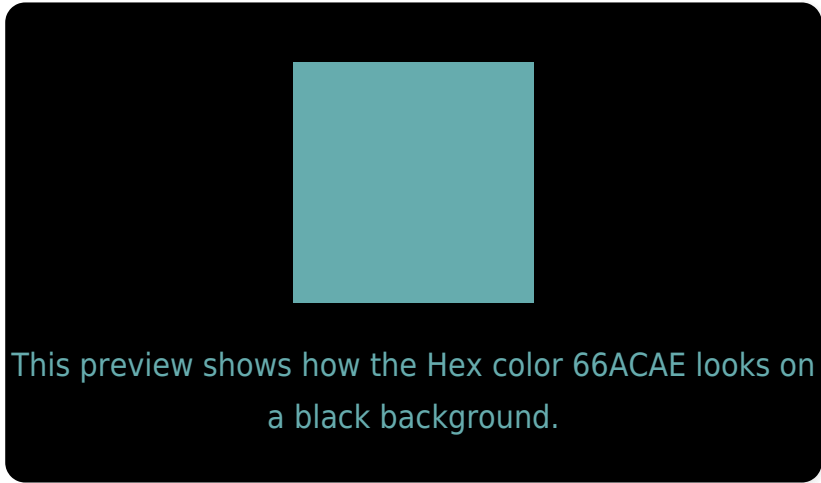
Large Text (above 18pt) WCAG AA × Fail

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 66ACAE Background



This preview shows how black text looks on a background with the Hex color 66ACAE.

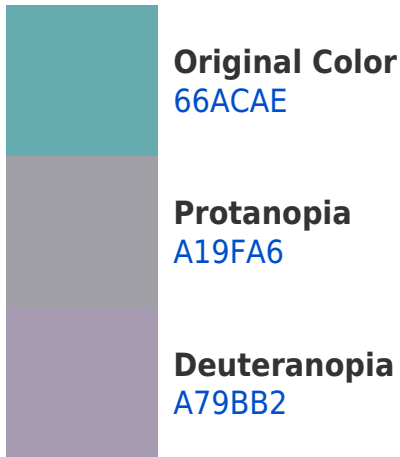


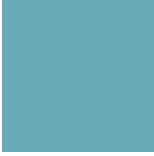
This preview shows how white text looks on a background with the Hex color 66ACAE.

# 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](#).

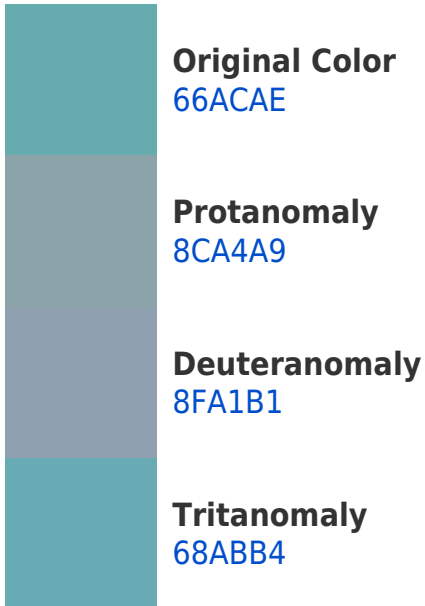
## Dichromacy



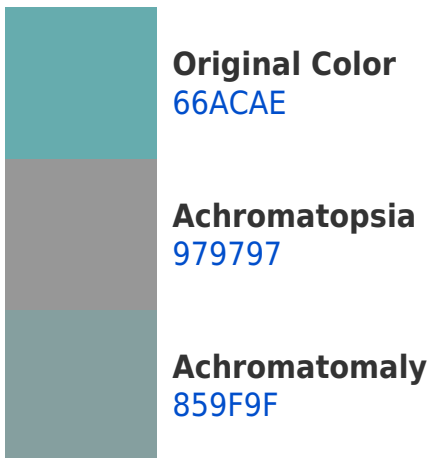


**Tritanopia**  
69AAB8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66ACAE 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 #66ACAE looks like.

```
.text, #text, p{  
    color:#66ACAE  
}
```

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 #66ACAE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66ACAE
}
```

## Border

The CSS property to change the border of an element to Hex 66ACAE 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
#66ACAE }
```

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

```
.border{ border-color:#66ACAE }
```

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

Here you see how a box with a 4 pixel #66ACAE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66ACAE; -webkit-box-shadow:4px 4px  
4px 4px #66ACAE; box-shadow:4px 4px 4px  
4px #66ACAE }
```

# Background

The CSS property to change the background color of an element to Hex 66ACAE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66ACAE }
```

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

```
.background{ background-color:#66ACAE }
```

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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