

# Converting Colors

Hex(3A67A6)

Have a look what the booklet for  
Hex(3A67A6) contains.

<b>Hex(3A67A6)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(3A67A6)

# Conversions

## Conversions Part 1

Format	Color
Hex	3A67A6
RGB	58, 103, 166
RGB Percent	23%, 40%, 65%
CMY	0.7725, 0.5961, 0.3490
CMYK	0.65, 0.38, 0.00, 0.35
HSL	215°, 48%, 44%
HSV	215°, 65%, 65%
XYZ	13.4781, 13.3532, 37.9434
YIQ	96.7270, -47.0430, 10.0530

# Conversions

## Conversions Part 2

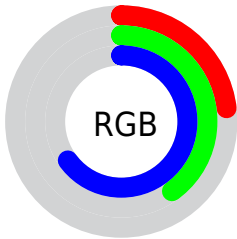
<b>Format</b>	<b>Color</b>
<b>RYB</b>	58, 90, 166
Decimal	3827622
CIELab	43.29, 5.17, -38.52
CIELCh	43, 38.862, 277.648
Yxy	13.3532, 0.2081, 0.2061
Android (android.graphics.Color)	4282017702 (0xFF3A67A6)
YUV	96.7270, 34.1516, -33.9636
Hunter-Lab	36.5420, 1.8891, -35.9844

# Details

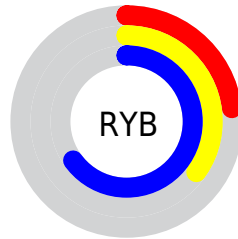
The Hex color **3A67A6** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **A6793A**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **739ADD**, and **003972** is the 20% darker color. If you saturate the color by 10%, you get **295DA6**, and if you desaturate by 10%, it is **4B71A6**.

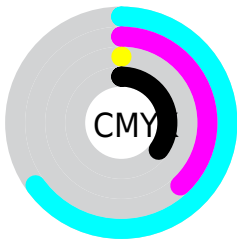
# Distribution



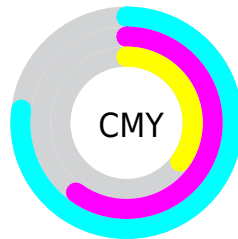
- Red (23%)
- Green (40%)
- Blue (65%)



- Red (23%)
- Yellow (35%)
- Blue (65%)



- Cyan (65%)
- Magenta (38%)
- Yellow (0%)
- Black (35%)



- Cyan (77%)
- Magenta (60%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3A67A6 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 3A67A6 by changing the saturation by 10% instead.



■ 3A67A6

■ 3A67A6

FFFFFF

■ 164F8B

■ 739ADD

■ 003972

■ 90B4FA

■ 002459

■ ACD0FF

■ 000E41

■ C9ECFF

■ 00032A

■ E6FFFF

■ 000114

■ 000000

■ 3A67A6

■ 3A67A6

■ 295DA6

■ 4B71A6

■ 1954A6

■ 5B7AA6

■ 084AA6

■ 6C84A6

■ 0045A6

■ 7C8EA6

■ 8D97A6

■ 9EA1A6

■ AEABA6

■ BFB4A6

■ CFBEA6

# Harmonies

## Analogous

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



0070A1



3A67A6



735A99

# Triad

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



3A67A6



9E5041



1A744D

# Complementary

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



3A67A6



A6793A

# 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.



4E7031



3A67A6



8C5C2A

# Square

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



3A67A6



A24A5F



716723



00766E

# Rectangle

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



3A67A6



8B5289



716723



317342



# Sweetspot

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



3A67A6



ADBFD9



3AA679



535E6E



EDEDED



6E6E6E



# Same Dimension

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



3A67A6



3076D9



433AA6



4C4F54



003E94



000914



# Inverse Universe

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



A63A67



D93076



9DA63A



544C4F



94003E



140008



# Previews

## White Background



This preview shows how the Hex color 3A67A6 looks on a white background.

## Color Contrast Check

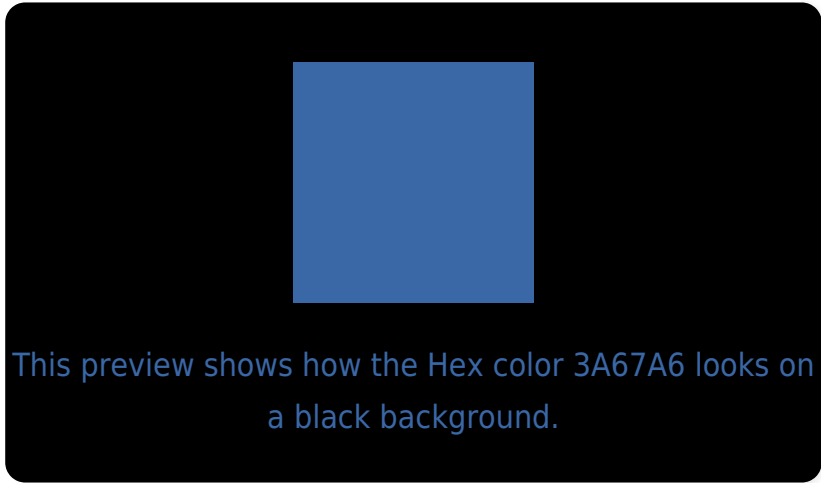
Large Text (above 18pt) WCAG AA ✓ Pass

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 3A67A6 Background



This preview shows how black text looks on a background with the Hex color 3A67A6.

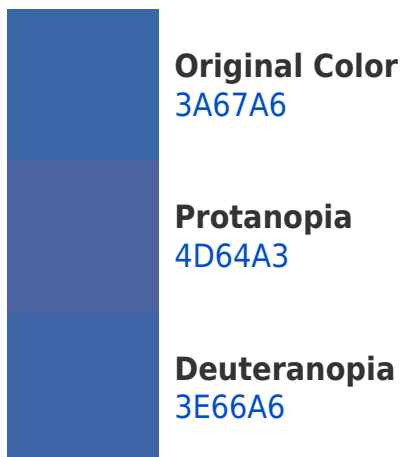


This preview shows how white text looks on a background with the Hex color 3A67A6.

# Color Blindness Simulation

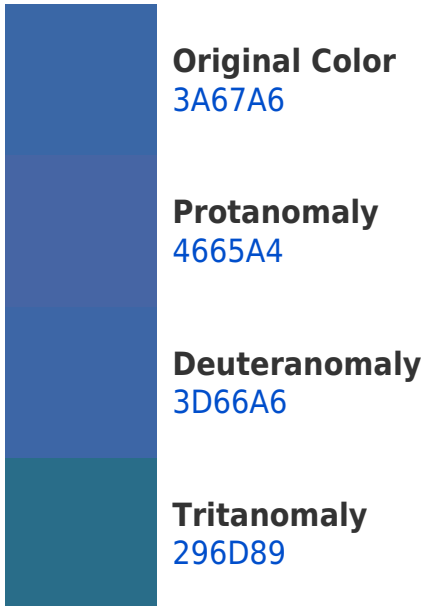
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

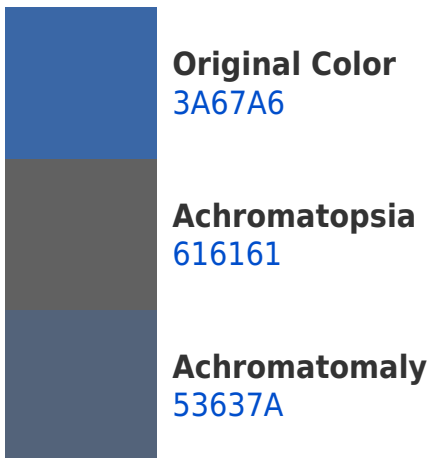




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3A67A6 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 #3A67A6 looks like.

```
.text, #text, p{  
  color:#3A67A6  
}
```

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 #3A67A6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3A67A6  
}
```

## Border

The CSS property to change the border of an element to Hex 3A67A6 is called "border". The border property can be set on classes, ids or directly on the HTML element.

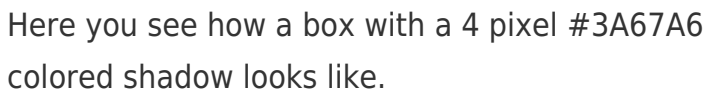
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#3A67A6 }
```

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

```
.border{ border-color:#3A67A6 }
```

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



Here you see how a box with a 4 pixel #3A67A6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3A67A6; -webkit-box-shadow:4px 4px  
4px 4px #3A67A6; box-shadow:4px 4px 4px  
4px #3A67A6 }
```

# Background

The CSS property to change the background color of an element to Hex 3A67A6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3A67A6 }
```

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

```
.background{ background-color:#3A67A6 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor