

# Converting Colors

Hex(3A3A97)

Have a look what the booklet for  
Hex(3A3A97) contains.

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# Color

Hex(3A3A97)

# Conversions

## Conversions Part 1

Format	Color
Hex	3A3A97
RGB	58, 58, 151
RGB Percent	23%, 23%, 59%
CMY	0.7725, 0.7725, 0.4078
CMYK	0.62, 0.62, 0.00, 0.41
HSL	240°, 44%, 41%
HSV	240°, 62%, 59%
XYZ	8.8439, 6.1600, 30.0010
YIQ	68.6020, -29.8530, 28.9230

# Conversions

## Conversions Part 2

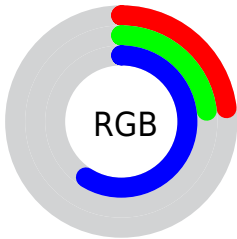
<b>Format</b>	<b>Color</b>
<b>RYB</b>	58, 58, 151
Decimal	3816087
CIELab	29.81, 29.10, -51.16
CIELCh	30, 58.855, 299.636
Yxy	6.1600, 0.1965, 0.1369
Android (android.graphics.Color)	4282006167 (0xFF3A3A97)
YUV	68.6020, 40.6222, -9.2980
Hunter-Lab	24.8194, 20.1710, -54.2947

# Details

The Hex color **3A3A97** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **97973A**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **7369CE**, and **001063** is the 20% darker color. If you saturate the color by 10%, you get **2B2B97**, and if you desaturate by 10%, it is **494997**.

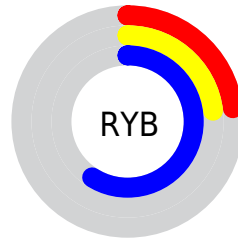
# Distribution



Red (23%)

Green (23%)

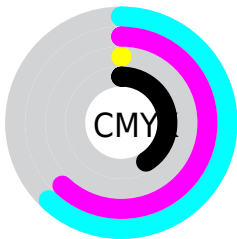
Blue (59%)



Red (23%)

Yellow (23%)

Blue (59%)

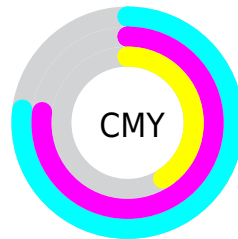


Cyan (62%)

Magenta (62%)

Yellow (0%)

Black (41%)



Cyan (77%)

Magenta (77%)

Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3A3A97 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 3A3A97 by changing the saturation by 10% instead.



■ 3A3A97

■ 3A3A97

FFFFFF

■ 18247D

■ 7369CE

■ 001063

■ 8F83EB

■ 00004B

■ AB9DFF

■ 000433

■ C8B8FF

■ 00021D

■ E5D3FF

■ 000000

■ FFF0FF

■ 3A3A97

■ 3A3A97

■ 2B2B97

■ 494997

■ 1C1C97

■ 585897

■ 0D0D97

■ 676797

■ 000097

■ 767697

■ 868697

■ 959597

■ A4A497

■ B3B397

■ C2C297

# Harmonies

## Analogous

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



004DA3



3A3A97



7A1A75

# Triad

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



3A3A97



7A3000



005844

# Complementary

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



3A3A97



97973A

# 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.



005612



3A3A97



574400

# Square

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



3A3A97



8F0A1C



2A5000



005973

# Rectangle

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



3A3A97



8D0058



2A5000



005834



# Sweetspot

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



3A3A97



A1A1C4



3A9797



4E4E63



E3E3E3



636363



# Same Dimension

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



3A3A97



3333C4



693A97



45454D



00008C



00000D



# Inverse Universe

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



973A97



C433C4



69973A



4D454D



8C008C

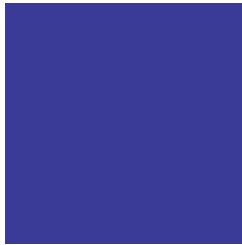


0D000D



# Previews

## White Background



This preview shows how the Hex color 3A3A97 looks on a white background.

## Color Contrast Check

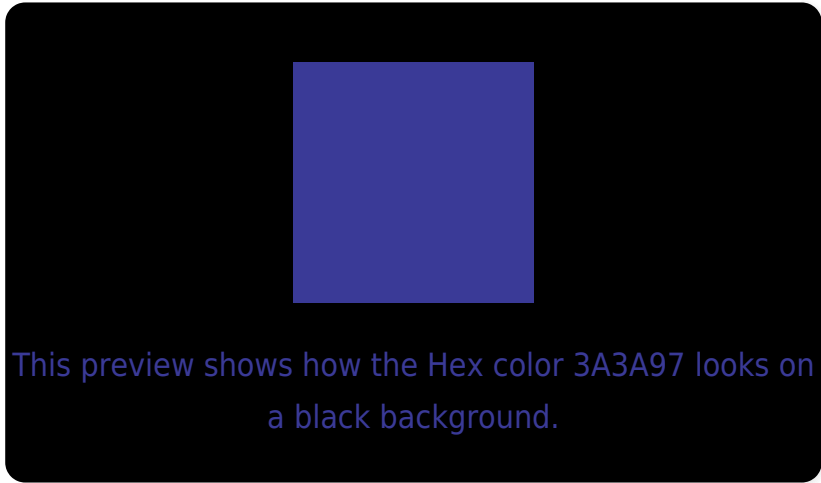
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black 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

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



## Hex 3A3A97 Background



This preview shows how black text looks on a background with the Hex color 3A3A97.

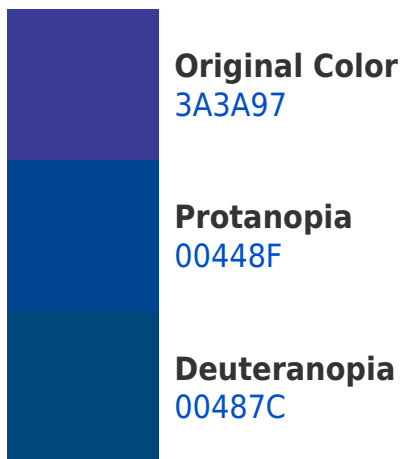


This preview shows how white text looks on a background with the Hex color 3A3A97.

# 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**  
174D54

# Trichromacy



**Original Color**  
3A3A97

**Protanomaly**  
154092

**Deuteranomaly**  
154386

**Tritanomaly**  
24466C

# Monochromacy



**Original Color**  
3A3A97

**Achromatopsia**  
454545

**Achromatomaly**  
414163

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3A3A97 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 #3A3A97 looks like.

```
.text, #text, p{  
    color:#3A3A97  
}
```

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 #3A3A97 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3A3A97
}
```

## Border

The CSS property to change the border of an element to Hex 3A3A97 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
#3A3A97 }
```

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

```
.border{ border-color:#3A3A97 }
```

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

Here you see how a box with a 4 pixel #3A3A97 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3A3A97; -webkit-box-shadow:4px 4px  
4px 4px #3A3A97; box-shadow:4px 4px 4px  
4px #3A3A97 }
```

# Background

The CSS property to change the background color of an element to Hex 3A3A97 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3A3A97 }
```

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

```
.background{ background-color:#3A3A97 }
```

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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