

# Converting Colors

Hex(3344AC)

Have a look what the booklet for  
Hex(3344AC) contains.

<b>Hex(3344AC)</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(3344AC)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3344AC
RGB	51, 68, 172
RGB Percent	20%, 27%, 67%
CMY	0.8000, 0.7333, 0.3255
CMYK	0.70, 0.60, 0.00, 0.33
HSL	232°, 54%, 44%
HSV	232°, 70%, 67%
XYZ	10.8788, 7.8166, 39.9651
YIQ	74.7730, -43.5160, 28.7400

# Conversions

## Conversions Part 2

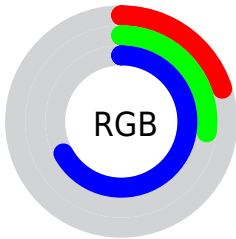
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 66, 172
Decimal	3359916
CIE <sub>Lab</sub>	33.60, 28.98, -57.68
CIE <sub>LCh</sub>	34, 64.554, 296.674
Yxy	7.8166, 0.1855, 0.1333
Android (android.graphics.Color)	4281549996 (0xFF3344AC)
YUV	74.7730, 47.9329, -20.8489
Hunter-Lab	27.9582, 20.5289, -65.1819

# Details

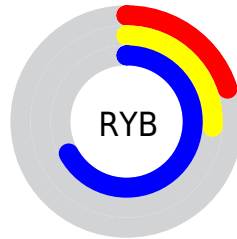
The Hex color **3344AC** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **AC9B33**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **7174E4**, and **001A77** is the 20% darker color. If you saturate the color by 10%, you get **2235AC**, and if you desaturate by 10%, it is **4453AC**.

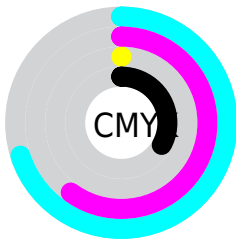
# Distribution



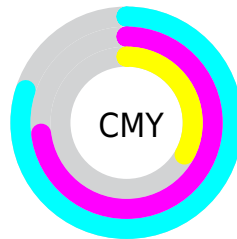
- Red (20%)
- Green (27%)
- Blue (67%)



- Red (20%)
- Yellow (26%)
- Blue (67%)



- Cyan (70%)
- Magenta (60%)
- Yellow (0%)
- Black (33%)



- Cyan (80%)
- Magenta (73%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3344AC 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 3344AC by changing the saturation by 10% instead.



■ 3344AC

■ 3344AC

FFFFFF

■ 002E91

■ 7174E4

■ 001A77

■ 8E8DFF

■ 00035D

■ ABA8FF

■ 000745

■ C8C3FF

■ 00032D

■ E6DFFF

■ 000118

■ FFFCFF

■ 000000

■ 3344AC

■ 3344AC

■ 2235AC

■ 4453AC

■ 1126AC

■ 5562AC

■ 0018AC

■ 6770AC

■ 787FAC

■ 898EAC

■ 9A9DAC

■ ABABAC

■ BDBAAC

■ CEC9AC

# Harmonies

## Analogous

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



0058B7



3344AC



842188

# Triad

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



3344AC



8B3300



006348

# Complementary

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



3344AC



AC9B33

# 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.



00600C



3344AC



664B00

# Square

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



3344AC



A20125



355900



00647C

# Rectangle

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



3344AC



9C0068



355900



006235



# Sweetspot

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



3344AC



B1B8E0



33AC9A



545870



F0F0F0



707070



# Same Dimension

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



3344AC



243EE0



5D33AC



4E4F57



001596



000317



# Inverse Universe

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



AC3344



E0243E



82AC33



574E4F



960015

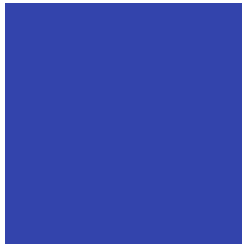


170003



# Previews

## White Background



This preview shows how the Hex color 3344AC looks on a white background.

## Color Contrast Check

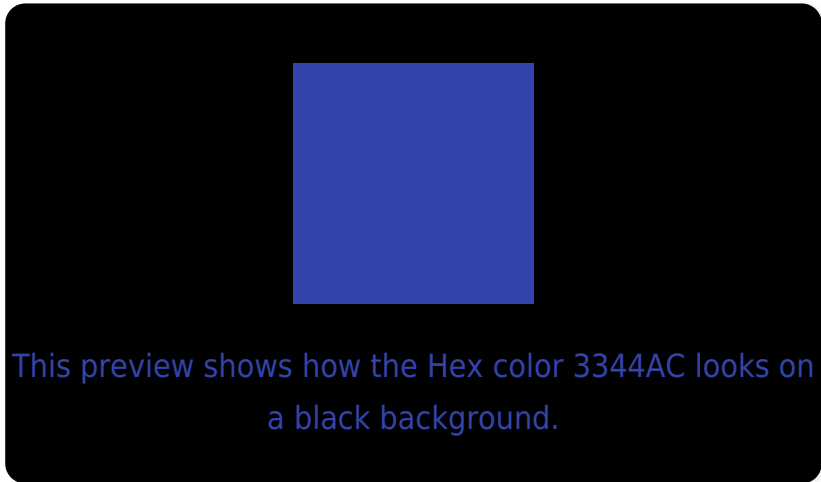
Large Text (above 18pt) WCAG AA ✓ Pass

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

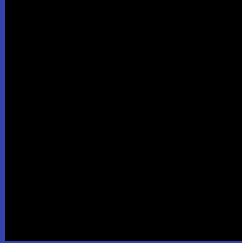
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3344AC Background



This preview shows how black text looks on a background with the Hex color 3344AC.

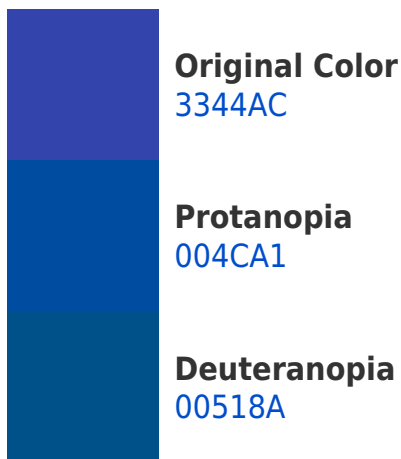


This preview shows how white text looks on a background with the Hex color 3344AC.

# 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



**Original Color**  
3344AC

**Protanomaly**  
1349A5

**Deuteranomaly**  
134C96

**Tritanomaly**  
13507A

# Monochromacy



**Original Color**  
3344AC

**Achromatopsia**  
4B4B4B

**Achromatomaly**  
42486E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3344AC 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 #3344AC looks like.

```
.text, #text, p{  
    color:#3344AC  
}
```

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 #3344AC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3344AC }  
}
```

## Border

The CSS property to change the border of an element to Hex 3344AC is called "border". The border property can be set on classes, ids or directly on the HTML element.

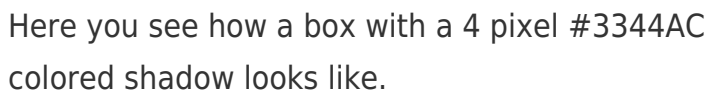
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid #3344AC }  
}
```

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

```
.border{ border-color:#3344AC }
```

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



Here you see how a box with a 4 pixel #3344AC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3344AC; -webkit-box-shadow:4px 4px  
4px 4px #3344AC; box-shadow:4px 4px 4px  
4px #3344AC }
```

# Background

The CSS property to change the background color of an element to Hex 3344AC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3344AC }
```

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

```
.background{ background-color:#3344AC }
```

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