

# Converting Colors

Hex(3333AC)

Have a look what the booklet for  
Hex(3333AC) contains.

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# Color

**Hex(3333AC)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3333AC
RGB	51, 51, 172
RGB Percent	20%, 20%, 67%
CMY	0.8000, 0.8000, 0.3255
CMYK	0.70, 0.70, 0.00, 0.33
HSL	240°, 54%, 44%
HSV	240°, 70%, 67%
XYZ	9.9955, 6.0500, 39.6707
YIQ	64.7940, -38.8410, 37.6310

# Conversions

## Conversions Part 2

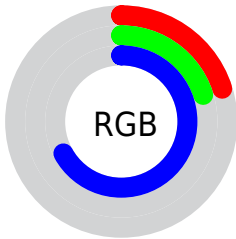
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 51, 172
Decimal	3355564
CIE Lab	29.54, 39.72, -64.33
CIE LCh	30, 75.606, 301.693
Yxy	6.0500, 0.1794, 0.1086
Android (android.graphics.Color)	4281545644 (0xFF3333AC)
YUV	64.7940, 52.8526, -12.0973
Hunter-Lab	24.5968, 29.4932, -78.4075

# Details

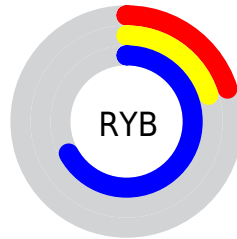
The Hex color **3333AC** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **ACAC33**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **7262E4**, and **000876** is the 20% darker color. If you saturate the color by 10%, you get **2222AC**, and if you desaturate by 10%, it is **4444AC**.

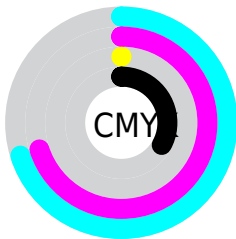
# Distribution



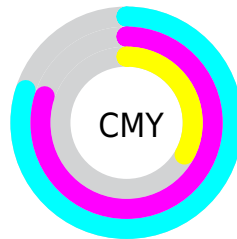
- Red (20%)
- Green (20%)
- Blue (67%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 3333AC 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 3333AC by changing the saturation by 10% instead.



■ 3333AC

■ 3333AC

FFFFFF

■ 001D91

■ 7262E4

■ 000876

■ 907CFF

■ 00005D

■ AD96FF

■ 000844

■ CBB1FF

■ 00032D

■ E8CCFF

■ 000117

■ FFE9FF

■ 000000

■ 3333AC

■ 3333AC

■ 2222AC

■ 4444AC

■ 1111AC

■ 5555AC

■ 0000AC

■ 6767AC

■ 7878AC

■ 8989AC

■ 9A9AAC

■ ABABAC

■ BDBDAC

■ CECEAC

# Harmonies

## Analogous

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



004EBE



3333AC



8A007F

# Triad

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



3333AC



802800



005B48

# Complementary

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



3333AC



ACAC33

# 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.



005800



3333AC



534500

# Square

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



3333AC



9D000B



055200



005C83

# Rectangle

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



3333AC



A00059



055200



005A33



# Sweetspot

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



3333AC



B1B1E0



33ACAC



545470



F0F0F0



707070



# Same Dimension

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



3333AC



2424E0



7033AC



4E4E57



000096



000017



# Inverse Universe

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



AC33AC



E024E0



70AC33



574E57



960096

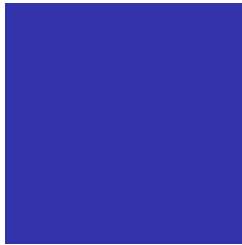


170017



# Previews

## White Background



This preview shows how the Hex color 3333AC looks on a white background.

## Color Contrast Check

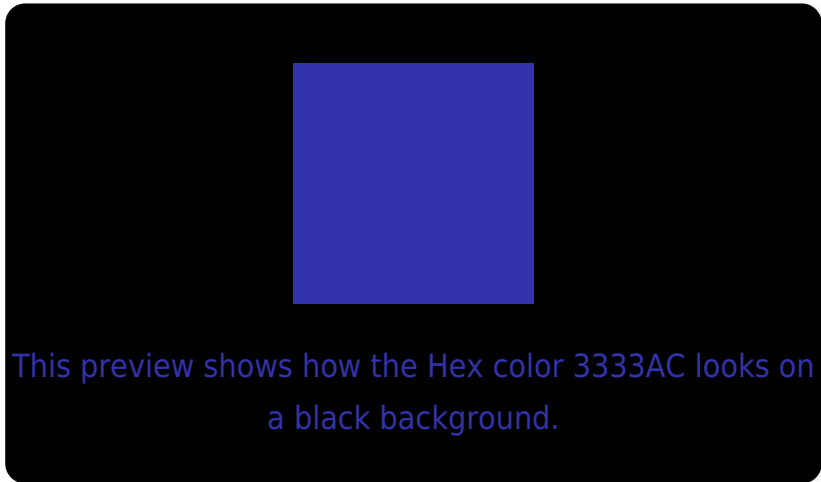
Large Text (above 18pt) WCAG AA ✓ Pass

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

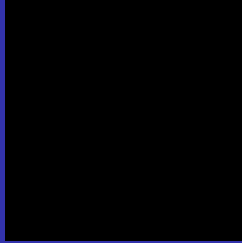
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3333AC Background



This preview shows how black text looks on a background with the Hex color 3333AC.

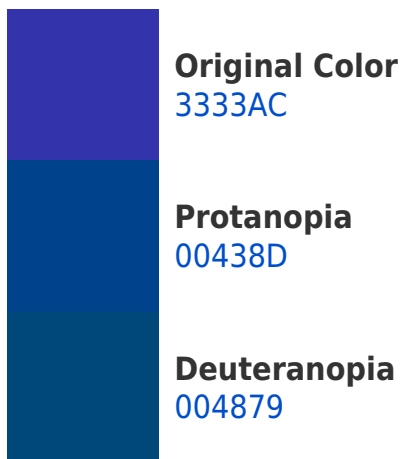


This preview shows how white text looks on a background with the Hex color 3333AC.

# 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**  
3333AC

**Protanomaly**  
133D98

**Deuteranomaly**  
13408C

**Tritanomaly**  
134473

# Monochromacy



**Original Color**  
3333AC

**Achromatopsia**  
414141

**Achromatomaly**  
3C3C68

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3333AC 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 #3333AC looks like.

```
.text, #text, p{  
    color:#3333AC  
}
```

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 #3333AC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3333AC }  
}
```

## Border

The CSS property to change the border of an element to Hex 3333AC 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 #3333AC }  
}
```

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

```
.border{ border-color:#3333AC }
```

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

Here you see how a box with a 4 pixel #3333AC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3333AC; -webkit-box-shadow:4px 4px  
4px 4px #3333AC; box-shadow:4px 4px 4px  
4px #3333AC }
```

# Background

The CSS property to change the background color of an element to Hex 3333AC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3333AC }
```

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

```
.background{ background-color:#3333AC }
```

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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