

# Converting Colors

Hex(3737AC)

Have a look what the booklet for  
Hex(3737AC) contains.

<b>Hex(3737AC)</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(3737AC)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3737AC
RGB	55, 55, 172
RGB Percent	22%, 22%, 67%
CMY	0.7843, 0.7843, 0.3255
CMYK	0.68, 0.68, 0.00, 0.33
HSL	240°, 52%, 45%
HSV	240°, 68%, 67%
XYZ	10.3881, 6.5232, 39.7413
YIQ	68.3380, -37.5570, 36.3870

# Conversions

## Conversions Part 2

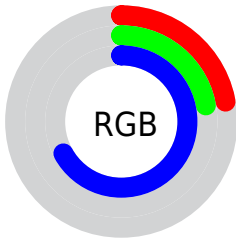
<b>Format</b>	<b>Color</b>
<b>RYB</b>	55, 55, 172
Decimal	3618732
CIELab	30.70, 37.78, -62.42
CIELCh	31, 72.965, 301.187
Yxy	6.5232, 0.1834, 0.1151
Android (android.graphics.Color)	4281808812 (0xFF3737AC)
YUV	68.3380, 51.1054, -11.6974
Hunter-Lab	25.5405, 27.9058, -74.3777

# Details

The Hex color **3737AC** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **ACAC37**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **7567E4**, and **000C76** is the 20% darker color. If you saturate the color by 10%, you get **2626AC**, and if you desaturate by 10%, it is **4848AC**.

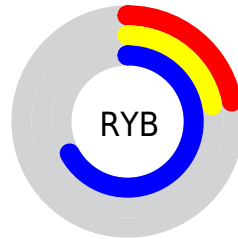
# Distribution



Red (22%)

Green (22%)

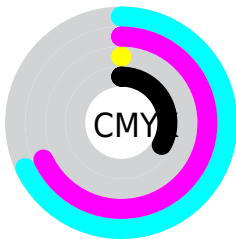
Blue (67%)



Red (22%)

Yellow (22%)

Blue (67%)

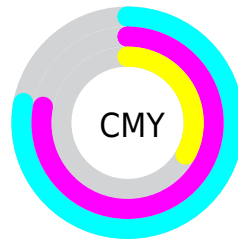


Cyan (68%)

Magenta (68%)

Yellow (0%)

Black (33%)



Cyan (78%)

Magenta (78%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3737AC 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 3737AC by changing the saturation by 10% instead.



■ 3737AC

■ 3737AC

FFFFFF

■ 072191

■ 7567E4

■ 000C76

■ 9280FF

■ 00005D

■ AF9AFF

■ 000844

■ CDB5FF

■ 00032D

■ EAD1FF

■ 000117

■ FFEDFF

■ 000000

■ 3737AC

■ 3737AC

■ 2626AC

■ 4848AC

■ 1515AC

■ 5959AC

■ 0303AC

■ 6B6BAC

■ 0000AC

■ 7C7CAC

■ 8D8DAC

■ 9E9EAC

■ AFAFAC

■ C1C1AC

■ D2D2AC

# Harmonies

## Analogous

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



0051BD



3737AC



8A0080

# Triad

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



3737AC



832C00



005D49

# Complementary

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



3737AC



ACAC37

# 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.



005B04



3737AC



574700

# Square

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



3737AC



9F0011



155500



005E83

# Rectangle

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



3737AC



A0005C



155500



005D35



# Sweetspot

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



3737AC



B4B4E0



37ACAC



555570



F0F0F0



707070



# Same Dimension

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



3737AC



2828E0



7237AC



4E4E57



000096



000017



# Inverse Universe

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



AC37AC



E028E0



72AC37



574E57



960096

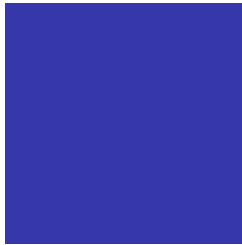


170017



# Previews

## White Background



This preview shows how the Hex color 3737AC looks on a white background.

## Color Contrast Check

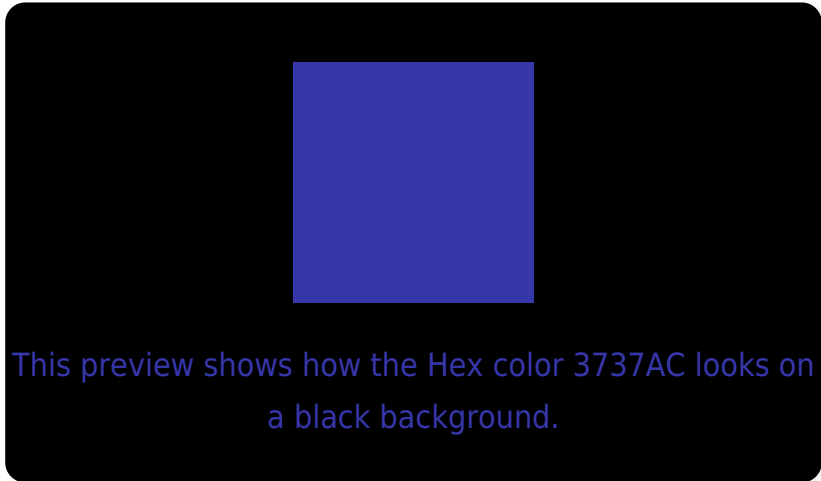
Large Text (above 18pt) WCAG AA ✓ Pass

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

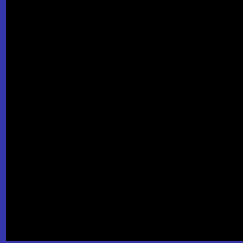
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3737AC Background



This preview shows how black text looks on a background with the Hex color 3737AC.



This preview shows how white text looks on a background with the Hex color 3737AC.

# Color Blindness Simulation

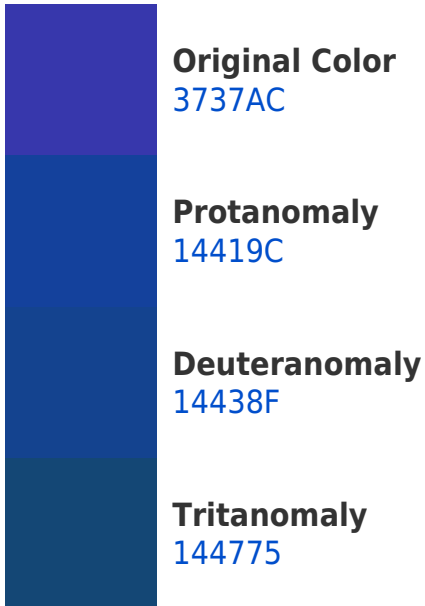
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3737AC 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 #3737AC looks like.

```
.text, #text, p{  
    color:#3737AC  
}
```

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 #3737AC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3737AC }
}
```

## Border

The CSS property to change the border of an element to Hex 3737AC is called "border". The border property can be set on classes, ids or directly on the HTML element.

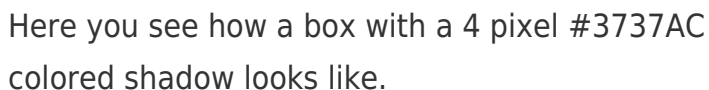
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid #3737AC }
}
```

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

```
.border{ border-color:#3737AC }
```

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



Here you see how a box with a 4 pixel #3737AC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3737AC; -webkit-box-shadow:4px 4px  
4px 4px #3737AC; box-shadow:4px 4px 4px  
4px #3737AC }
```

# Background

The CSS property to change the background color of an element to Hex 3737AC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3737AC }
```

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

```
.background{ background-color:#3737AC }
```

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