

# Converting Colors

Hex(3E37EA)

Have a look what the booklet for  
Hex(3E37EA) contains.

<b>Hex(3E37EA)</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(3E37EA)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3E37EA
RGB	62, 55, 234
RGB Percent	24%, 22%, 92%
CMY	0.7569, 0.7843, 0.0824
CMYK	0.74, 0.76, 0.00, 0.08
HSL	242°, 81%, 57%
HSV	242°, 76%, 92%
XYZ	18.2041, 9.6970, 78.7542
YIQ	77.4990, -53.2870, 57.1530

# Conversions

## Conversions Part 2

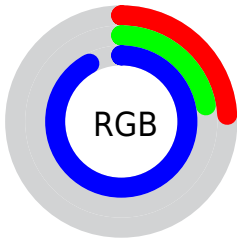
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	62, 55, 234
Decimal	4077546
CIE Lab	37.29, 58.50, -87.64
CIE LCh	37, 105.375, 303.723
Yxy	9.6970, 0.1707, 0.0909
Android (android.graphics.Color)	4282267626 (0xFF3E37EA)
YUV	77.4990, 77.1550, -13.5926
Hunter-Lab	31.1400, 49.8538, -128.1483

# Details

The Hex color **3E37EA** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **E3EA37**, and the grayscale version is **4D4D4D**.

A 20% lighter version of the original color is **8769FF**, and **0003B1** is the 20% darker color. If you saturate the color by 10%, you get **2820EA**, and if you desaturate by 10%, it is **544EEA**.

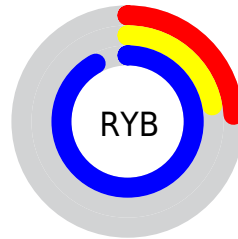
# Distribution



Red (24%)

Green (22%)

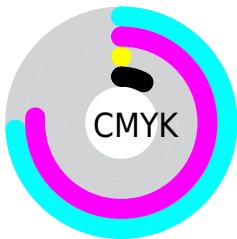
Blue (92%)



Red (24%)

Yellow (22%)

Blue (92%)

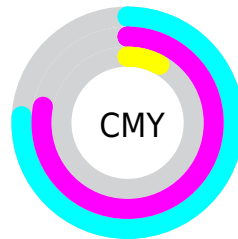


Cyan (74%)

Magenta (76%)

Yellow (0%)

Black (8%)



Cyan (76%)

Magenta (78%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3E37EA 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 3E37EA by changing the saturation by 10% instead.



 3E37EA

 3E37EA


FFFFFF

 001ECD

 8769FF

 0003B1

 A783FF

 000095


 C69EFF

 00007A


 E6BAFF

 000C60

 FFD6FF

 000847

 FFF3FF

 000430

 00011A

 000000

■ 3E37EA

■ 3E37EA

■ 2820EA

■ 544EEA

■ 1108EA

■ 6B66EA

■ 0900EA

■ 817DEA

■ 9895EA

■ AEACEA

■ C5C3EA

■ DBDBEA

■ F2F2EA

■ FFFFEA

# Harmonies

## Analogous

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



0064FF



3E37EA



BD00A5

# Triad

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



3E37EA



A42D00



007461

# Complementary

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



3E37EA



E3EA37

# 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.



007100



3E37EA



635900

# Square

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



3E37EA



D10000



006A00



0076B7

# Rectangle

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



3E37EA



DA006E



006A00



007343



# Sweetspot

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



3E37EA



C7C4FF



37E4EA



5D5C80



000000



808080



# Same Dimension

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



3E37EA



1E14FF



9637EA



6A6A75



0700B5



020036



# Inverse Universe

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



EA37E3



FF14F6



8BEA37



756A75



B500AE

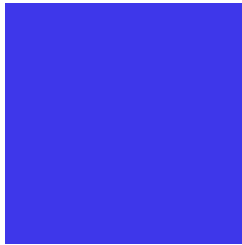


360033



# Previews

## White Background



This preview shows how the Hex color 3E37EA looks on a white background.

## Color Contrast Check

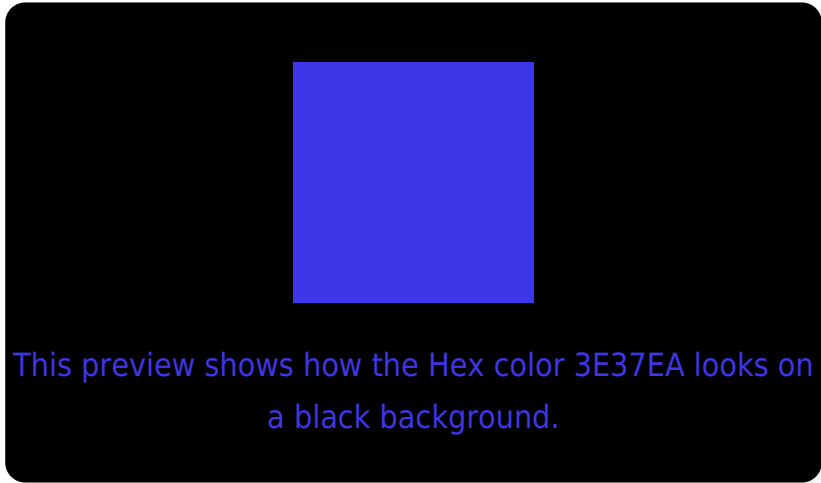
Large Text (above 18pt) WCAG AA ✓ Pass

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

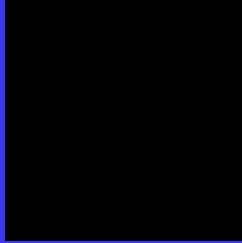
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3E37EA Background



This preview shows how black text looks on a background with the Hex color 3E37EA.



This preview shows how white text looks on a background with the Hex color 3E37EA.

# 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**  
006166

# Trichromacy



**Original Color**  
3E37EA

**Protanomaly**  
1749C6

**Deuteranomaly**  
174DB5

**Tritanomaly**  
175296

# Monochromacy



**Original Color**  
3E37EA

**Achromatopsia**  
4D4D4D

**Achromatomaly**  
484586

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3E37EA 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 #3E37EA looks like.

```
.text, #text, p{  
    color:#3E37EA  
}
```

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 #3E37EA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3E37EA
}
```

## Border

The CSS property to change the border of an element to Hex 3E37EA 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
#3E37EA }
```

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

```
.border{ border-color:#3E37EA }
```

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

Here you see how a box with a 4 pixel #3E37EA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3E37EA; -webkit-box-shadow:4px 4px  
4px 4px #3E37EA; box-shadow:4px 4px 4px  
4px #3E37EA }
```

# Background

The CSS property to change the background color of an element to Hex 3E37EA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3E37EA }
```

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

```
.background{ background-color:#3E37EA }
```

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