

# Converting Colors

Hex(333389)

Have a look what the booklet for  
Hex(333389) contains.

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# Color

**Hex(333389)**

# Conversions

## Conversions Part 1

Format	Color
Hex	333389
RGB	51, 51, 137
RGB Percent	20%, 20%, 54%
CMY	0.8000, 0.8000, 0.4627
CMYK	0.63, 0.63, 0.00, 0.46
HSL	240°, 46%, 37%
HSV	240°, 63%, 54%
XYZ	7.0644, 4.8776, 24.2360
YIQ	60.8040, -27.6060, 26.7460

# Conversions

## Conversions Part 2

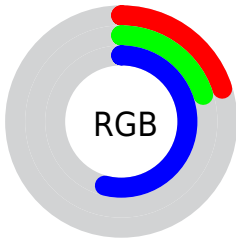
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 51, 137
Decimal	3355529
CIE <sub>Lab</sub>	26.38, 27.54, -48.13
CIE <sub>LCh</sub>	26, 55.454, 299.775
Yxy	4.8776, 0.1953, 0.1348
Android (android.graphics.Color)	4281545609 (0xFF333389)
YUV	60.8040, 37.5646, -8.5981
Hunter-Lab	22.0853, 18.4475, -49.6042

# Details

The Hex color **333389** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **898933**, and the grayscale version is **3C3C3C**.

A 20% lighter version of the original color is **6B62BF**, and **000A56** is the 20% darker color. If you saturate the color by 10%, you get **252589**, and if you desaturate by 10%, it is **414189**.

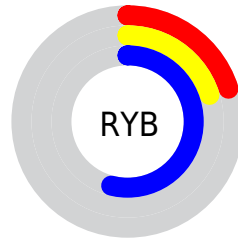
# Distribution



Red (20%)

Green (20%)

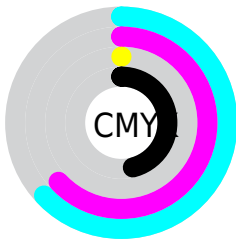
Blue (54%)



Red (20%)

Yellow (20%)

Blue (54%)

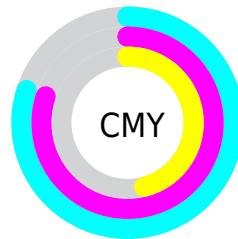


Cyan (63%)

Magenta (63%)

Yellow (0%)

Black (46%)



Cyan (80%)

Magenta (80%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 333389 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 333389 by changing the saturation by 10% instead.



■ 333389

■ 333389

FFFFFF

■ 101E6F

■ 6B62BF

■ 000A56

■ 867BDB

■ 00003E

■ A294F8

■ 000327

■ BFAFFF

■ 000111

■ DCCBFF

■ 000000

■ F9E7FF

■ 333389

■ 333389

■ 252589

■ 414189

■ 181889

■ 4E4E89

■ 0A0A89

■ 5C5C89

■ 000089

■ 6A6A89

■ 787889

■ 858589

■ 939389

■ A1A189

■ AEAE89

# Harmonies

## Analogous

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



004594



333389



6E146A

# Triad

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



333389



6E2A00



004F3D

# Complementary

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



333389



898933

# 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.



004D0E



333389



4E3D00

# Square

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



333389



820517



234800



005068

# Rectangle

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



333389



80004F



234800



004F2E



# Sweetspot

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



333389



9191B3



338989



454559



D9D9D9



595959



# Same Dimension

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



333389



2D2DB3



5E3389



3E3E45



000085



000005



# Inverse Universe

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



893389



B32DB3



5E8933



453E45



850085

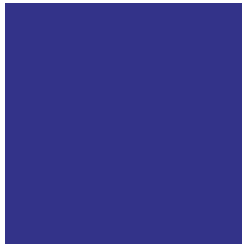


050005



# Previews

## White Background



This preview shows how the Hex color 333389 looks on a white background.

## Color Contrast Check

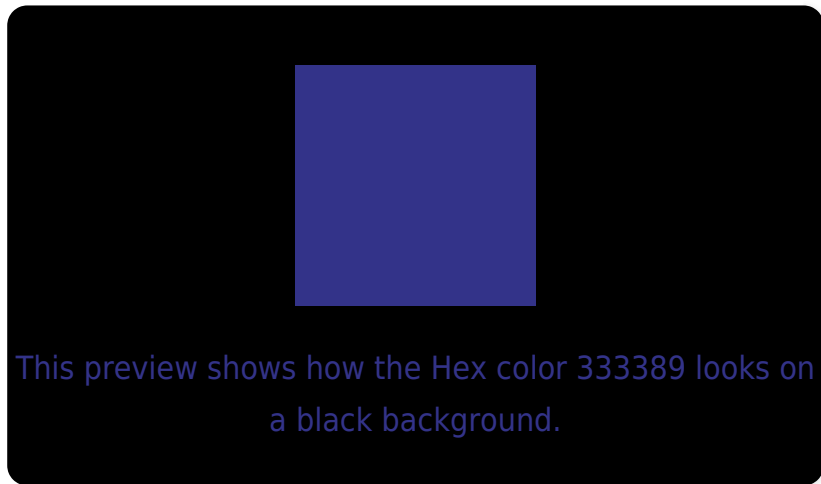
Large Text (above 18pt) WCAG AA ✓ Pass

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

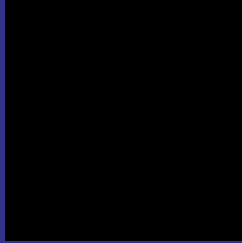
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 333389 Background



This preview shows how black text looks on a background with the Hex color 333389.



This preview shows how white text looks on a background with the Hex color 333389.

# 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



**Original Color**  
333389

**Protanopia**  
003C80

**Deuteranopia**  
00406E



**Tritanopia**  
0E454B

# Trichromacy



**Original Color**  
333389

**Protanomaly**  
133983

**Deuteranomaly**  
133B78

**Tritanomaly**  
1B3E62

# Monochromacy



**Original Color**  
333389

**Achromatopsia**  
3D3D3D

**Achromatomaly**  
393959

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 333389 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 #333389 looks like.

```
.text, #text, p{  
    color:#333389  
}
```

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 #333389 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #333389
}
```

## Border

The CSS property to change the border of an element to Hex 333389 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
#333389 }
```

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

```
.border{ border-color:#333389 }
```

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

Here you see how a box with a 4 pixel #333389 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #333389; -webkit-box-shadow:4px 4px  
4px 4px #333389; box-shadow:4px 4px 4px  
4px #333389 }
```

# Background

The CSS property to change the background color of an element to Hex 333389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#333389 }
```

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

```
.background{ background-color:#333389 }
```

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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