

Converting Colors

Hex(333399)

Have a look what the booklet for
Hex(333399) contains.

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Color

Hex(333399)

Conversions

Conversions Part 1

Format	Color
Hex	333399
RGB	51, 51, 153
RGB Percent	20%, 20%, 60%
CMY	0.8000, 0.8000, 0.4000
CMYK	0.67, 0.67, 0.00, 0.40
HSL	240°, 50%, 40%
HSV	240°, 67%, 60%
XYZ	8.2988, 5.3714, 30.7364
YIQ	62.6280, -32.7420, 31.7220

Conversions

Conversions Part 2

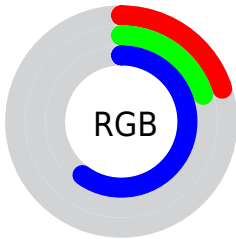
Format	Color
R_{YB}	51, 51, 153
Decimal	3355545
CIE _{Lab}	27.77, 33.16, -55.74
CIE _{LCh}	28, 64.857, 300.753
Yxy	5.3714, 0.1869, 0.1210
Android (android.graphics.Color)	4281545625 (0xFF333399)
YUV	62.6280, 44.5534, -10.1978
Hunter-Lab	23.1762, 23.3581, -62.4073

Details

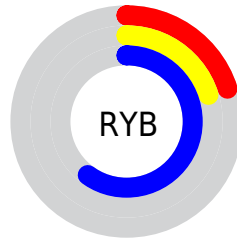
The Hex color **333399** is a dark color, and the websafe version is hex **333399**, and the color name is **blue (pigment)**. A complement of this color would be **999933**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **6E62D0**, and **000965** is the 20% darker color. If you saturate the color by 10%, you get **242499**, and if you desaturate by 10%, it is **424299**.

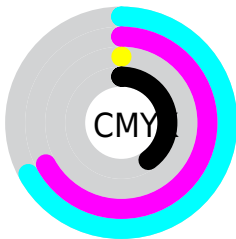
Distribution



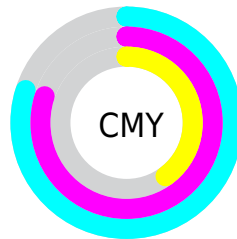
- Red (20%)
- Green (20%)
- Blue (60%)



- Red (20%)
- Yellow (20%)
- Blue (60%)



- Cyan (67%)
- Magenta (67%)
- Yellow (0%)
- Black (40%)



- Cyan (80%)
- Magenta (80%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Hex color 333399 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 333399 by changing the saturation by 10% instead.

■ 333399

■ 333399

FFFFFF

■ 081D7E

■ 6E62D0

■ 000965

■ 8A7BED

■ 00004C

■ A795FF

■ 000434

■ C4B0FF

■ 00021E

■ E1CBFF

■ 000000

■ FFE7FF

■ 333399

■ 333399

■ 242499

■ 424299

■ 141499

■ 525299

■ 050599

■ 616199

■ 000099

■ 707099

■ 808099

■ 8F8F99

■ 9E9E99

■ ADAD99

■ BDBD99

Harmonies

Analogous

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



0049A8



333399



7B0073

Triad

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



333399



762900



005442

Complementary

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



333399



999933

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.



005207



333399



504000

Square

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



333399



8E0012



1A4C00



005574

Rectangle

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



333399



8E0053



1A4C00



005430

Sweetspot

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



333399



9F9FC7



339999



4C4C63



E3E3E3



636363

Same Dimension

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



333399



2828C7



663399



45454D



00008C



00000D

Inverse Universe

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



993399



C728C7



669933



4D454D



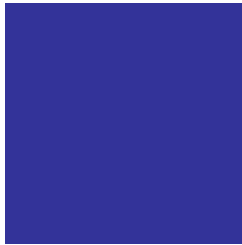
8C008C



0D000D

Previews

White Background



This preview shows how the Hex color 333399 looks on a white background.

Color Contrast Check

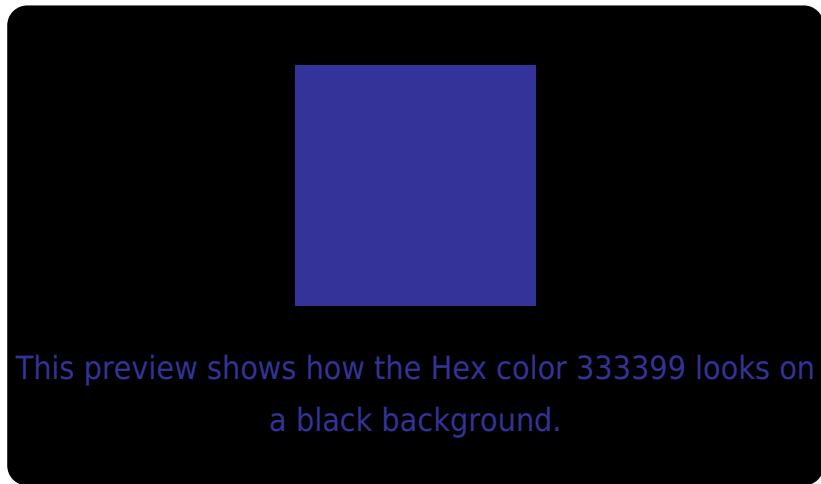
Large Text (above 18pt) WCAG AA ✓ Pass

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

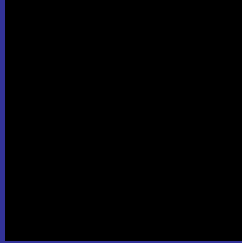
Any Text WCAG AA × Fail

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 333399 Background



This preview shows how black text looks on a background with the Hex color 333399.



This preview shows how white text looks on a background with the Hex color 333399.

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
333399

Protanopia
003F86

Deuteranopia
004373



Tritanopia
00494E

Trichromacy



Original Color
333399

Protanomaly
133B8D

Deuteranomaly
133D81

Tritanomaly
134169

Monochromacy



Original Color
333399

Achromatopsia
3F3F3F

Achromatomaly
3B3B60

CSS Examples

Text

The CSS property to change the color of the text to Hex 333399 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 #333399 looks like.

```
.text, #text, p{  
    color:#333399  
}
```

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 #333399 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #333399
}
```

Border

The CSS property to change the border of an element to Hex 333399 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
#333399 }
```

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

```
.border{ border-color:#333399 }
```

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

Here you see how a box with a 4 pixel #333399 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #333399; -webkit-box-shadow:4px 4px  
4px 4px #333399; box-shadow:4px 4px 4px  
4px #333399 }
```

Background

The CSS property to change the background color of an element to Hex 333399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#333399 }
```

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

```
.background{ background-color:#333399 }
```

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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