

# Converting Colors

Hex(6B3399)

Have a look what the booklet for  
Hex(6B3399) contains.

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**Color**

**Hex(6B3399)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6B3399
RGB	107, 51, 153
RGB Percent	42%, 20%, 60%
CMY	0.5804, 0.8000, 0.4000
CMYK	0.30, 0.67, 0.00, 0.40
HSL	273°, 50%, 40%
HSV	273°, 67%, 60%
XYZ	12.9970, 7.7934, 30.9562
YIQ	79.3720, 0.6340, 43.5940

# Conversions

## Conversions Part 2

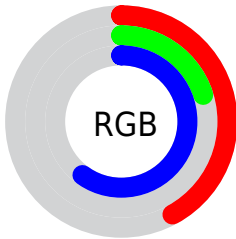
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	107, 51, 153
Decimal	7025561
CIE <sub>Lab</sub>	33.55, 44.02, -46.08
CIE <sub>LCh</sub>	34, 63.730, 313.692
Yxy	7.7934, 0.2512, 0.1506
Android (android.graphics.Color)	4285215641 (0xFF6B3399)
YUV	79.3720, 36.2986, 24.2298
Hunter-Lab	27.9166, 34.2494, -46.2041

# Details

The Hex color **6B3399** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **619933**, and the grayscale version is **4F4F4F**.

A 20% lighter version of the original color is **A265D0**, and **360065** is the 20% darker color. If you saturate the color by 10%, you get **642499**, and if you desaturate by 10%, it is **724299**.

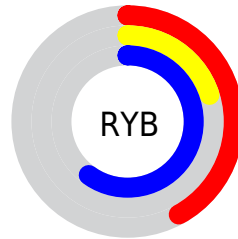
# Distribution



Red (42%)

Green (20%)

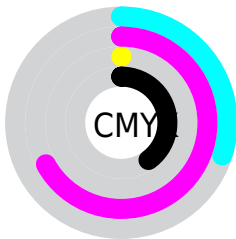
Blue (60%)



Red (42%)

Yellow (20%)

Blue (60%)

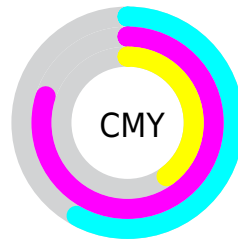


Cyan (30%)

Magenta (67%)

Yellow (0%)

Black (40%)



Cyan (58%)

Magenta (80%)

Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6B3399 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 6B3399 by changing the saturation by 10% instead.



6B3399

6B3399

FFFFFF

501A7F

A265D0

360065

BE7FED

1C004C

DB9AFF

000035

F8B5FF

00021F

FFD1FF

000001

FFEEFF

000000

6B3399

6B3399

642499

724299

■ 5D1499

■ 795299

■ 560599

■ 806199

■ 540099

■ 877099

■ 8E8099

■ 948F99

■ 9B9E99

■ A2AD99

■ A9BD99

# Harmonies

## Analogous

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



004EB3



6B3399



99006D

# Triad

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



6B3399



774200



006466

# Complementary

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



6B3399



619933

# 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.



006230



6B3399



4C5400

# Square

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



6B3399



962406



005D00



006394

# Rectangle

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



6B3399



A3004B



005D00



006354



# Sweetspot

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



6B3399



B59FC7



336399



594C63



E3E3E3



636363



# Same Dimension

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



6B3399



7F28C7



993396



49454D



4D008C



07000D



# Inverse Universe

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



993361



C72870



339936



4D4548



8C003F



0D0006



# Previews

## White Background



This preview shows how the Hex color 6B3399 looks on a white background.

## Color Contrast Check

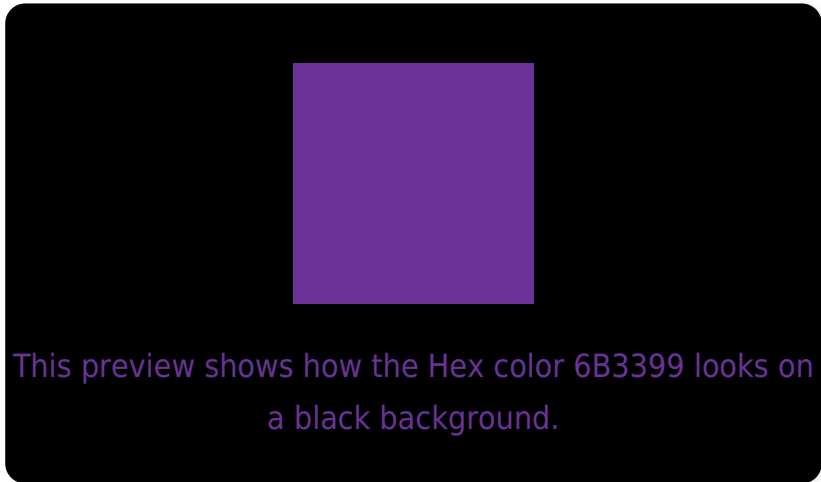
Large Text (above 18pt) WCAG AA ✓ Pass

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

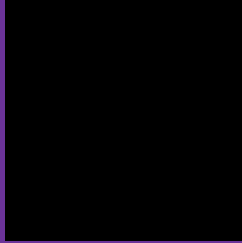
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 6B3399 Background



This preview shows how black text looks on a background with the Hex color 6B3399.

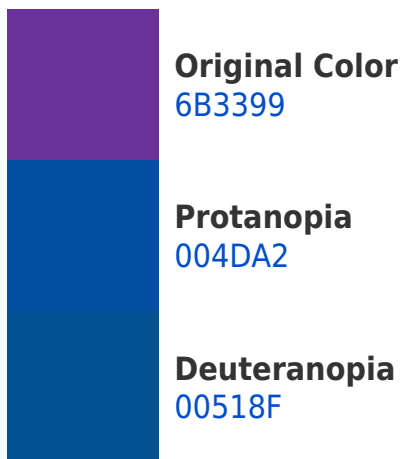



This preview shows how white text looks on a background with the Hex color 6B3399.

# 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**  
5E4A50

# Trichromacy



**Original Color**  
6B3399



**Protanomaly**  
27449F



**Deuteranomaly**  
274693



**Tritanomaly**  
63426B

# Monochromacy



**Original Color**  
6B3399



**Achromatopsia**  
4F4F4F



**Achromatomaly**  
59456A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6B3399 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 #6B3399 looks like.

```
.text, #text, p{  
    color:#6B3399  
}
```

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 #6B3399 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6B3399
}
```

## Border

The CSS property to change the border of an element to Hex 6B3399 is called "border". The border property can be set on classes, ids or directly on the HTML element.

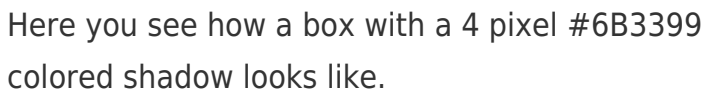
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#6B3399 }
```

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

```
.border{ border-color:#6B3399 }
```

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



Here you see how a box with a 4 pixel #6B3399 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6B3399; -webkit-box-shadow:4px 4px  
4px 4px #6B3399; box-shadow:4px 4px 4px  
4px #6B3399 }
```

# Background

The CSS property to change the background color of an element to Hex 6B3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6B3399 }
```

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

```
.background{ background-color:#6B3399 }
```

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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