

# Converting Colors

Hex(500099)

Have a look what the booklet for  
Hex(500099) contains.

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# Color

**Hex(500099)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	500099
RGB	80, 0, 153
RGB Percent	31%, 0%, 60%
CMY	0.6863, 1.0000, 0.4000
CMYK	0.48, 1.00, 0.00, 0.40
HSL	271°, 100%, 30%
HSV	271°, 100%, 60%
XYZ	9.0580, 4.0054, 30.4327
YIQ	41.3620, -1.4330, 64.5430

# Conversions

## Conversions Part 2

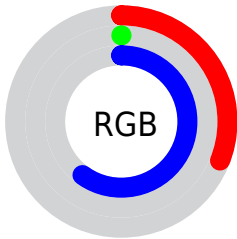
<b>Format</b>	<b>Color</b>
<b>RYB</b>	80, 0, 153
Decimal	5243033
CIELab	23.69, 57.31, -62.33
CIELCh	24, 84.677, 312.596
Yxy	4.0054, 0.2082, 0.0921
Android (android.graphics.Color)	4283433113 (0xFF500099)
YUV	41.3620, 55.0375, 33.8855
Hunter-Lab	20.0134, 45.7651, -76.1477

# Details

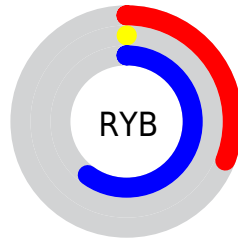
The Hex color **500099** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **499900**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **8940D1**, and **0D0065** is the 20% darker color. If you saturate the color by 10%, you get **500099**, and if you desaturate by 10%, it is **570F99**.

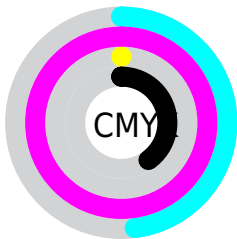
# Distribution



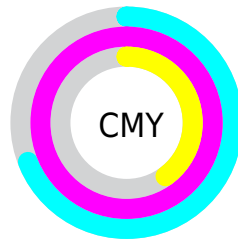
- Red (31%)
- Green (0%)
- Blue (60%)



- Red (31%)
- Yellow (0%)
- Blue (60%)



- Cyan (48%)
- Magenta (100%)
- Yellow (0%)
- Black (40%)



- Cyan (69%)
- Magenta (100%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 500099 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 500099 by changing the saturation by 10% instead.



 500099

 500099

FFFFFF

 32007E

 8940D1

 0D0065

 A65BED

 00004C

 C375FF

 000434

 E190FF

 00021E

 FFACFF

 000000

 FFC8FF

 FFE5FF

 500099

 570F99

 5F1F99

 662E99

 6D3D99

 744D99

 7C5C99

 836B99

 8A7A99

 928A99

# Harmonies

## Analogous

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



003BBA



500099



8F0060

# Triad

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



500099



632600



004D53

# Complementary

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



500099



499900

# 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.



004B0C



500099



2D3F00

# Square

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



500099



890000



004800



004E90

# Rectangle

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



500099



9C0037



004800



004C3D



# Sweetspot

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



500099



AA8BC7



004A99



524063



E3E3E3



636363



# Same Dimension

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



500099



6800C7



990096



49454D



49008C



07000D



# Inverse Universe

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



990049



C7005F



009903



4D4549



8C0043

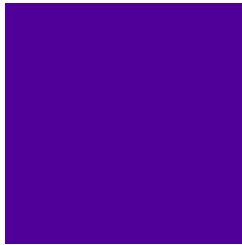


0D0006



# Previews

## White Background



This preview shows how the Hex color 500099 looks on a white background.

## Color Contrast Check

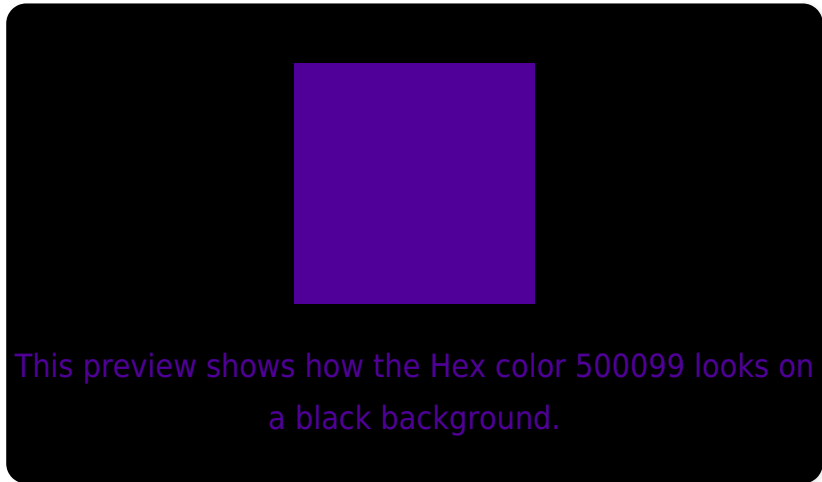
Large Text (above 18pt) WCAG AA ✓ Pass

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

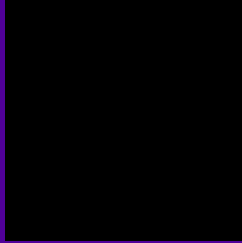
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 500099 Background



This preview shows how black text looks on a background with the Hex color 500099.



This preview shows how white text looks on a background with the Hex color 500099.

# 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](#).

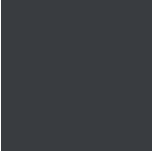
## Dichromacy



**Original Color**  
500099

**Protanopia**  
003A79

**Deuteranopia**  
003D67



**Tritanopia**  
393C40

# Trichromacy



**Original Color**  
500099

**Protanomaly**  
1D2585

**Deuteranomaly**  
1D2779

**Tritanomaly**  
412660

# Monochromacy



**Original Color**  
500099

**Achromatopsia**  
292929

**Achromatomaly**  
371A52

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 500099 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 #500099 looks like.

```
.text, #text, p{  
    color:#500099  
}
```

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 #500099 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #500099
}
```

## Border

The CSS property to change the border of an element to Hex 500099 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
#500099 }
```

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

```
.border{ border-color:#500099 }
```

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

Here you see how a box with a 4 pixel #500099 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #500099; -webkit-box-shadow:4px 4px  
4px 4px #500099; box-shadow:4px 4px 4px  
4px #500099 }
```

# Background

The CSS property to change the background color of an element to Hex 500099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#500099 }
```

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

```
.background{ background-color:#500099 }
```

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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