

# Converting Colors

Hex(160099)

Have a look what the booklet for  
Hex(160099) contains.

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# Color

**Hex(160099)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	160099
RGB	22, 0, 153
RGB Percent	9%, 0%, 60%
CMY	0.9137, 1.0000, 0.4000
CMYK	0.86, 1.00, 0.00, 0.40
HSL	249°, 100%, 30%
HSV	249°, 100%, 60%
XYZ	6.0806, 2.4705, 30.2934
YIQ	24.0200, -36.0010, 52.2470

# Conversions

## Conversions Part 2

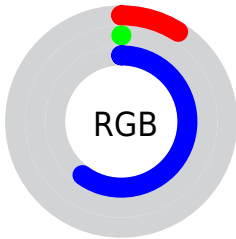
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 0, 153
Decimal	1441945
CIE <sub>Lab</sub>	17.78, 54.35, -72.32
CIE <sub>LCh</sub>	18, 90.463, 306.928
Yxy	2.4705, 0.1565, 0.0636
Android (android.graphics.Color)	4279632025 (0xFF160099)
YUV	24.0200, 63.5871, -1.7715
Hunter-Lab	15.7178, 41.5492, -103.2691

# Details

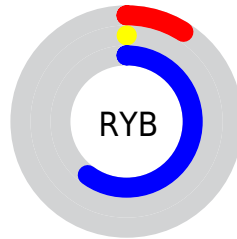
The Hex color **160099** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **839900**, and the grayscale version is **171717**.

A 20% lighter version of the original color is **6138D1**, and **000064** is the 20% darker color. If you saturate the color by 10%, you get **160099**, and if you desaturate by 10%, it is **230F99**.

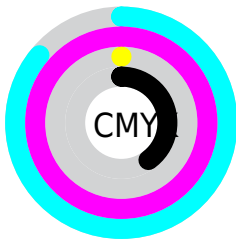
# Distribution



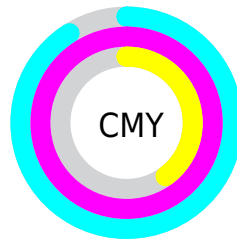
- Red (9%)
- Green (0%)
- Blue (60%)



- Red (9%)
- Yellow (0%)
- Blue (60%)



- Cyan (86%)
- Magenta (100%)
- Yellow (0%)
- Black (40%)



- Cyan (91%)
- Magenta (100%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 160099 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 160099 by changing the saturation by 10% instead.




 160099

 160099

 FFF5FF

 00007E

 6138D1

 000064

 7F51EE

 00084B

 9D6BFF

 000433

 BB85FF

 00021D

 D9A0FF

 000000

 F7BCFF

 FFD8FF

 160099

 230F99

 301F99

 3D2E99

 4A3D99

 584D99

 655C99

 726B99

 7F7A99

 8C8A99

# Harmonies

## Analogous

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



0036B5



160099



7C0061

# Triad

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



160099



5D0900



003E3A

# Complementary

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



160099



839900

# 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.



003D00



160099



292F00

# Square

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



160099



800000



003900



00417C

# Rectangle

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



160099



8E0036



003900



003D23



# Sweetspot

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



160099



948BC7



008599



454063



E3E3E3



636363



# Same Dimension

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



160099



1D00C7



610099



46454D



14008C



02000D



# Inverse Universe

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



990083



C700AA



389900



4D454B



8C0078

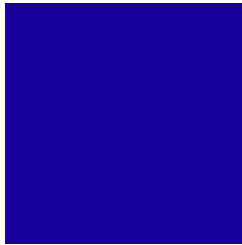


0D000B



# Previews

## White Background



This preview shows how the Hex color 160099 looks on a white background.

## Color Contrast Check

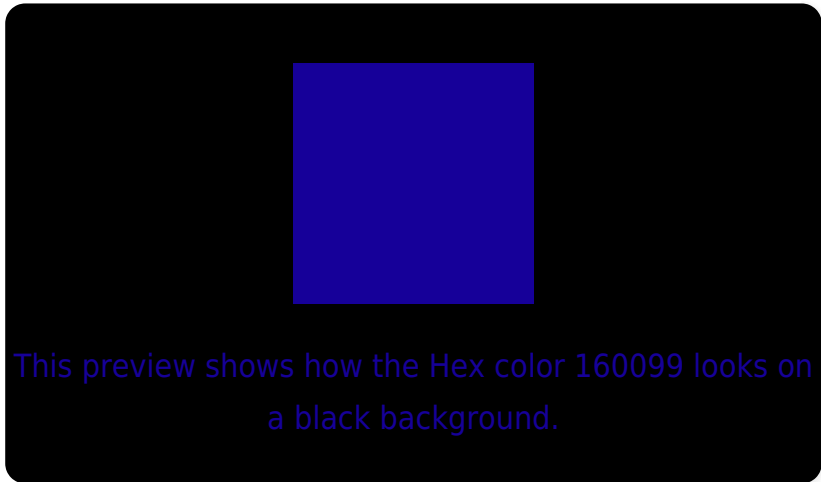
Large Text (above 18pt) WCAG AA ✓ Pass

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

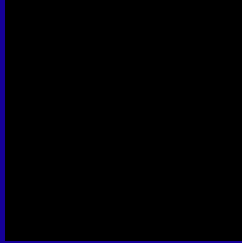
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 160099 Background



This preview shows how black text looks on a background with the Hex color 160099.



This preview shows how white text looks on a background with the Hex color 160099.

# 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**  
160099

**Protanopia**  
002E5F

**Deuteranopia**  
003151



# Trichromacy



**Original Color**  
160099

**Protanomaly**  
081D74

**Deuteranomaly**  
081F6B

**Tritanomaly**  
08215B

# Monochromacy



**Original Color**  
160099

**Achromatopsia**  
181818

**Achromatomaly**  
170F47

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 160099 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 #160099 looks like.

```
.text, #text, p{  
    color:#160099  
}
```

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 #160099 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #160099
}
```

## Border

The CSS property to change the border of an element to Hex 160099 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".

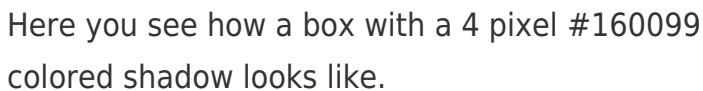
```
.border, #border, table{ border:4px solid
#160099 }
```

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

```
.border{ border-color:#160099 }
```

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

Here you see how a box with a 4 pixel #160099 colored shadow looks like.

A rectangular box with a thick blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #160099; -webkit-box-shadow:4px 4px  
4px 4px #160099; box-shadow:4px 4px 4px  
4px #160099 }
```

# Background

The CSS property to change the background color of an element to Hex 160099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#160099 }
```

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

```
.background{ background-color:#160099 }
```

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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