

# Converting Colors

Hex(000096)

Have a look what the booklet for  
Hex(000096) contains.

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# Color

**Hex(000096)**

# Conversions

## Conversions Part 1

Format	Color
Hex	000096
RGB	0, 0, 150
RGB Percent	0%, 0%, 59%
CMY	1.0000, 1.0000, 0.4118
CMYK	1.00, 1.00, 0.00, 0.41
HSL	240°, 100%, 29%
HSV	240°, 100%, 59%
XYZ	5.5050, 2.2020, 28.9890
YIQ	17.1000, -48.1500, 46.6500

# Conversions

## Conversions Part 2

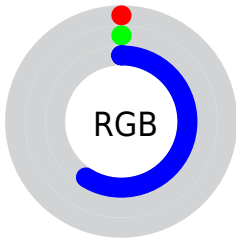
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 0, 150
Decimal	150
CIELab	16.51, 53.31, -72.61
CIELCh	17, 90.074, 306.287
Yxy	2.2020, 0.1500, 0.0600
Android (android.graphics.Color)	4278190230 (0xFF000096)
YUV	17.1000, 65.5197, -14.9967
Hunter-Lab	14.8392, 40.2512, -105.4385

# Details

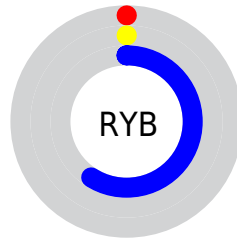
The Hex color **000096** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **969600**, and the grayscale version is **111111**.

A 20% lighter version of the original color is **5A36CE**, and **000061** is the 20% darker color. If you saturate the color by 10%, you get **000096**, and if you desaturate by 10%, it is **0F0F96**.

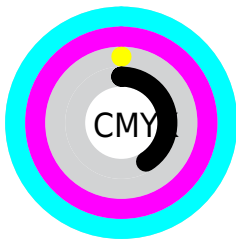
# Distribution



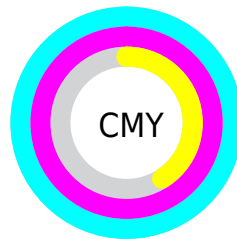
- Red (0%)
- Green (0%)
- Blue (59%)



- Red (0%)
- Yellow (0%)
- Blue (59%)



- Cyan (100%)
- Magenta (100%)
- Yellow (0%)
- Black (41%)



- Cyan (100%)
- Magenta (100%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 000096 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 000096 by changing the saturation by 10% instead.




 000096

 000096

 FFF2FF

 00007B

 5A36CE

 000061

 794FEA

 000848

 9769FF

 000431

 B483FF

 00011B

 D39EFF

 000000

 F1B9FF

 FFD6FF

 000096

0F0F96

1E1E96

2D2D96

3C3C96

4B4B96

5A5A96

696996

787896

878796

# Harmonies

## Analogous

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



0034B1



000096



77005F

# Triad

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



000096



5A0300



003A36

# Complementary

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



000096



969600

# 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.



003900



000096



272C00

# Square

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



000096



7D0000



003600



003E77

# Rectangle

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



000096



890034



003600



003A1F



# Sweetspot

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



000096



8888C2



009696



3E3E61



E0E0E0



616161



# Same Dimension

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



000096



0000C2



4B0096



43434A



00008A



00000A



# Inverse Universe

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



960096



C200C2



4B9600



4A434A



8A008A

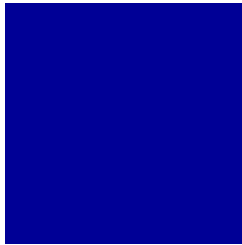


0A000A



# Previews

## White Background



This preview shows how the Hex color 000096 looks on a white background.

## Color Contrast Check

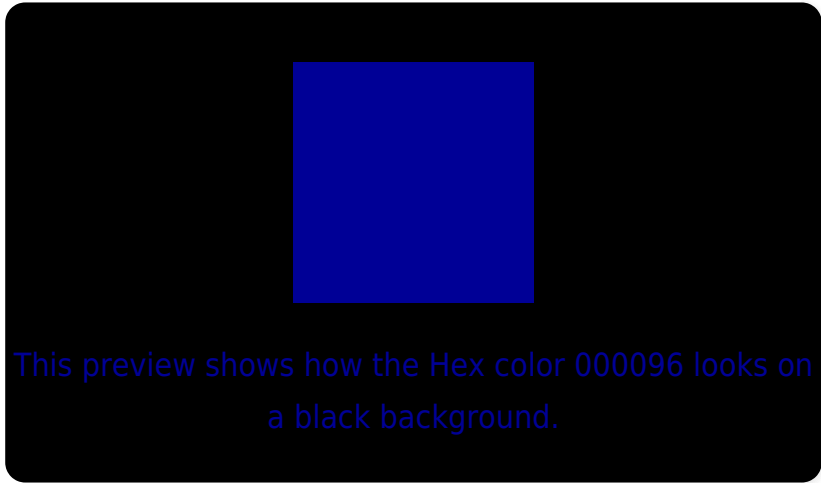
Large Text (above 18pt) WCAG AA ✓ Pass

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

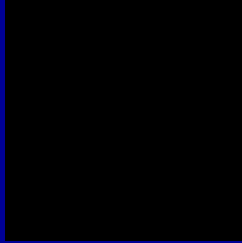
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 000096 Background



This preview shows how black text looks on a background with the Hex color 000096.



This preview shows how white text looks on a background with the Hex color 000096.

# 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**  
000096

**Protanopia**  
002C5C

**Deuteranopia**  
002F4E



# Trichromacy



**Original Color**  
000096

**Protanomaly**  
001C71

**Deuteranomaly**  
001E68

**Tritanomaly**  
002058

# Monochromacy



**Original Color**  
000096

**Achromatopsia**  
111111

**Achromatomaly**  
0B0B41

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 000096 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 #000096 looks like.

```
.text, #text, p{  
    color:#000096  
}
```

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 #000096 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #000096
}
```

## Border

The CSS property to change the border of an element to Hex 000096 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
#000096 }
```

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

```
.border{ border-color:#000096 }
```

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

Here you see how a box with a 4 pixel #000096 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #000096; -webkit-box-shadow:4px 4px  
4px 4px #000096; box-shadow:4px 4px 4px  
4px #000096 }
```

# Background

The CSS property to change the background color of an element to Hex 000096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#000096 }
```

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

```
.background{ background-color:#000096 }
```

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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