

# Converting Colors

Hex(170049)

Have a look what the booklet for  
Hex(170049) contains.

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# Color

**Hex(170049)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | 170049                    |
| RGB         | 23, 0, 73                 |
| RGB Percent | 9%, 0%, 29%               |
| CMY         | 0.9098, 1.0000, 0.7137    |
| CMYK        | 0.68, 1.00, 0.00, 0.71    |
| HSL         | 259°, 100%, 14%           |
| HSV         | 259°, 100%, 29%           |
| XYZ         | 1.5559, 0.6632, 6.3493    |
| YIQ         | 15.1990, -9.7250, 27.5790 |

# Conversions

## Conversions Part 2

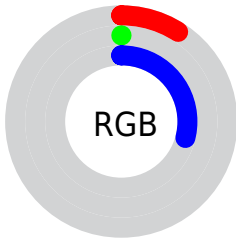
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| <b>R<sub>YB</sub></b>               | 23, 0, 73                    |
| Decimal                             | 1507401                      |
| CIE Lab                             | 5.99, 32.17, -39.64          |
| CIE LCh                             | 6, 51.052, 309.059           |
| Yxy                                 | 0.6632, 0.1816,<br>0.0774    |
| Android<br>(android.graphics.Color) | 4279697481<br>(0xFF170049)   |
| YUV                                 | 15.1990, 28.4959,<br>6.8415  |
| Hunter-Lab                          | 8.1437, 19.8530,<br>-40.5256 |

# Details

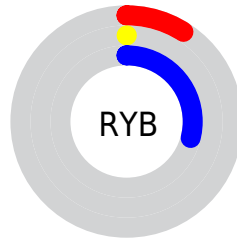
The Hex color **170049** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **324900**, and the grayscale version is **0F0F0F**.

A 20% lighter version of the original color is **4B2C7B**, and **00011C** is the 20% darker color. If you saturate the color by 10%, you get **170049**, and if you desaturate by 10%, it is **1C0749**.

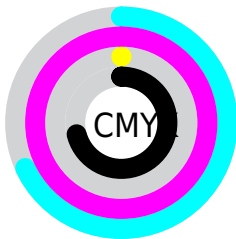
# Distribution



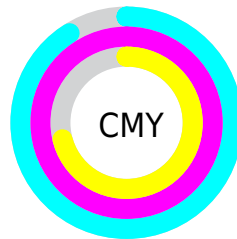
- Red (9%)
- Green (0%)
- Blue (29%)



- Red (9%)
- Yellow (0%)
- Blue (29%)



- Cyan (68%)
- Magenta (100%)
- Yellow (0%)
- Black (71%)



- Cyan (91%)
- Magenta (100%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 170049 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 170049 by changing the saturation by 10% instead.



 170049

 170049

 FFE1FF

 000032

 4B2C7B

 00011C

 654495

 000000

 7F5CB0

 9A75CB

 B68FE8

 D2A9FF

 EFC5FF

 170049

■ 1C0749

■ 210F49

■ 261649

■ 2B1D49

■ 302549

■ 352C49

■ 3A3349

■ 3F3A49

■ 444249

# Harmonies

## Analogous

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



001758



170049



3F002C

# Triad

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



170049



2C0600



001E1D

# Complementary

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



170049



324900

# 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.



001D00



170049



0D1600

# Square

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



170049



3F0000



001D00



00203E

# Rectangle

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



170049



470016



001D00



001E11



# Sweetspot

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



170049



4B425E



003349



251F30



B0B0B0



303030



# Same Dimension

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



170049



1E005E



3A0049



212024



1F0063



4800E3



# Inverse Universe

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



490032



5E0041



0F4900



242023



630044

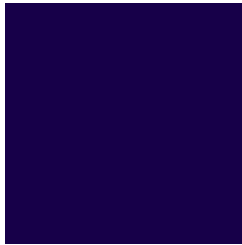


E3009B



# Previews

## White Background



This preview shows how the Hex color 170049 looks on a white background.

## Color Contrast Check

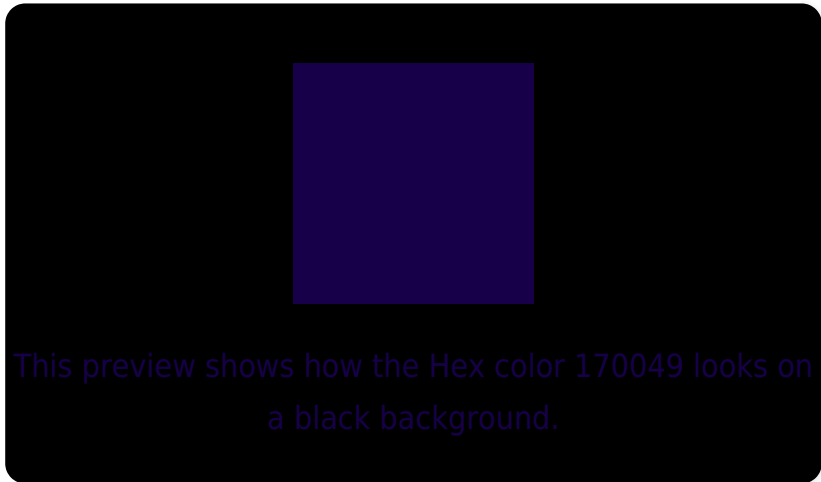
Large Text (above 18pt) WCAG AA ✓ Pass

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

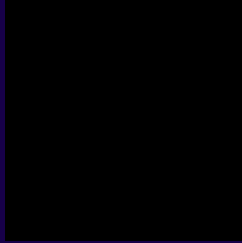
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 170049 Background



This preview shows how black text looks on a background with the Hex color 170049.



This preview shows how white text looks on a background with the Hex color 170049.

# 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**

170049

**Protanopia**

001831

**Deuteranopia**

00192A



**Tritanopia**  
001B1D

# Trichromacy



**Original Color**  
170049

**Protanomaly**  
080F3A

**Deuteranomaly**  
081035

**Tritanomaly**  
08112D

# Monochromacy



**Original Color**  
170049

**Achromatopsia**  
0F0F0F

**Achromatomaly**  
120A24

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 170049 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 #170049 looks like.

```
.text, #text, p{  
    color:#170049  
}
```

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 #170049 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #170049
}
```

## Border

The CSS property to change the border of an element to Hex 170049 is called "border". The border property can be set on classes, ids or directly on the HTML element.

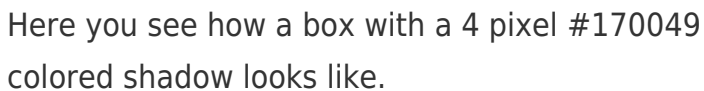
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#170049 }
```

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

```
.border{ border-color:#170049 }
```

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



Here you see how a box with a 4 pixel #170049 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #170049; -webkit-box-shadow:4px 4px  
4px 4px #170049; box-shadow:4px 4px 4px  
4px #170049 }
```

# Background

The CSS property to change the background color of an element to Hex 170049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#170049 }
```

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

```
.background{ background-color:#170049 }
```

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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