

# Converting Colors

Hex(B10049)

Have a look what the booklet for  
Hex(B10049) contains.

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**Color**

**Hex(B10049)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B10049
RGB	177, 0, 73
RGB Percent	69%, 0%, 29%
CMY	0.3059, 1.0000, 0.7137
CMYK	0.00, 1.00, 0.59, 0.31
HSL	335°, 100%, 35%
HSV	335°, 100%, 69%
XYZ	19.3341, 9.8282, 7.1813
YIQ	61.2450, 82.0590, 60.2270

# Conversions

## Conversions Part 2

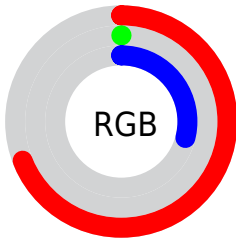
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 0, 73
Decimal	11599945
CIE Lab	37.53, 63.31, 11.49
CIE LCh	38, 64.349, 10.286
Yxy	9.8282, 0.5320, 0.2704
Android (android.graphics.Color)	4289790025 (0xFFB10049)
YUV	61.2450, 5.7952, 101.5171
Hunter-Lab	31.3499, 55.2220, 8.3633

# Details

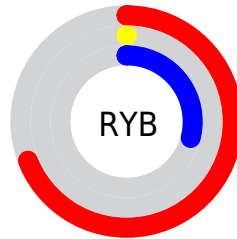
The Hex color **B10049** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **00B168**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **EF5179**, and **75001E** is the 20% darker color. If you saturate the color by 10%, you get **B10049**, and if you desaturate by 10%, it is **B11253**.

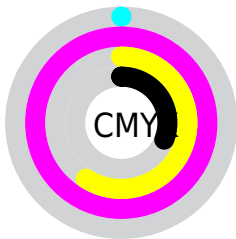
# Distribution



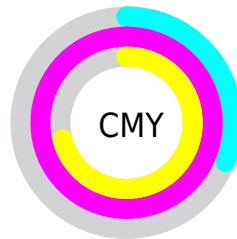
- Red (69%)
- Green (0%)
- Blue (29%)



- Red (69%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (31%)



- Cyan (31%)
- Magenta (100%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B10049 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 B10049 by changing the saturation by 10% instead.



 B10049

 B10049

FFFFFF

 930033

 EF5179

 75001E

 FF6E93

 580004

 FF8AAD

 3B0003

 FFA7C9

 150000

 FFC4E5


 000000

 FFE1FF

 B10049

 B11253

 B1235E

 B13568

 B14773

 B1597D

 B16A87

 B17C92

 B18E9C

 B19FA7

# Harmonies

## Analogous

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



A11A7D



B10049



A62B16

# Triad

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



B10049



1A6700



0068BB

# Complementary

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



B10049



00B168

# 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.



006D9B



B10049



006C33

# Square

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



B10049



5C5C00



006E6A



0059C0

# Rectangle

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



B10049



934000



006E6A



006AB3



# Sweetspot

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



B10049



E6A1BD



6700B1



73495A



F2F2F2



737373



# Same Dimension

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



B10049



E6005F



B10F00



595054



99003F



1A000B



# Inverse Universe

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



B10049



E6005F



00A2B1



595054



99003F



1A000B



# Previews

## White Background



This preview shows how the Hex color B10049 looks on a white background.

## Color Contrast Check

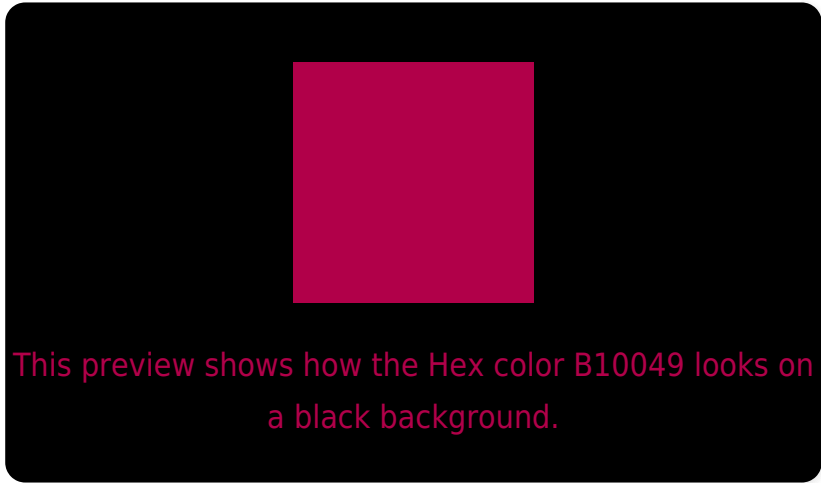
Large Text (above 18pt) WCAG AA ✓ Pass

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 B10049 Background



This preview shows how black text looks on a background with the Hex color B10049.



This preview shows how white text looks on a background with the Hex color B10049.

# 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**  
B10049

**Protanopia**  
585A6A

**Deuteranopia**  
6C5742



# Trichromacy



**Original Color**  
B10049

**Protanomaly**  
78395E

**Deuteranomaly**  
853745

**Tritanomaly**  
B0122C

# Monochromacy



**Original Color**  
B10049

**Achromatopsia**  
3D3D3D

**Achromatomaly**  
672741

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B10049 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 #B10049 looks like.

```
.text, #text, p{  
    color:#B10049  
}
```

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 #B10049 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B10049
}
```

## Border

The CSS property to change the border of an element to Hex B10049 is called "border". The border property can be set on classes, ids or directly on the HTML element.

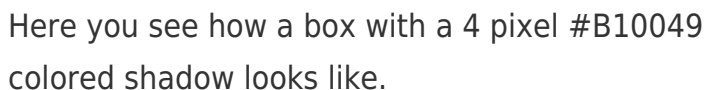
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B10049 }
```

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

```
.border{ border-color:#B10049 }
```

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



Here you see how a box with a 4 pixel `#B10049` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B10049; -webkit-box-shadow:4px 4px  
4px 4px #B10049; box-shadow:4px 4px 4px  
4px #B10049 }
```

# Background

The CSS property to change the background color of an element to Hex B10049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B10049 }
```

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

```
.background{ background-color:#B10049 }
```

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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