

# Converting Colors

Hex(B0017D)

Have a look what the booklet for  
Hex(B0017D) contains.

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**Color**

**Hex(B0017D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0017D
RGB	176, 1, 125
RGB Percent	69%, 0%, 49%
CMY	0.3098, 0.9961, 0.5098
CMYK	0.00, 0.99, 0.29, 0.31
HSL	317°, 99%, 35%
HSV	317°, 99%, 69%
XYZ	21.6170, 10.7325, 20.3343
YIQ	67.4610, 64.4960, 75.6640

# Conversions

## Conversions Part 2

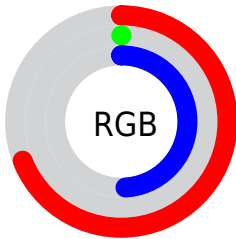
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 1, 125
Decimal	11534717
CIELab	39.13, 67.59, -19.27
CIElCh	39, 70.285, 344.084
Yxy	10.7325, 0.4103, 0.2037
Android (android.graphics.Color)	4289724797 (0xFFB0017D)
YUV	67.4610, 28.3667, 95.1887
Hunter-Lab	32.7605, 60.4525, -13.8687

# Details

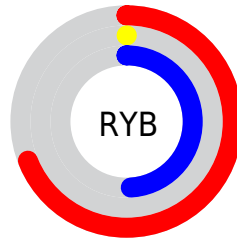
The Hex color **B0017D** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **01B034**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **EC53B2**, and **76004C** is the 20% darker color. If you saturate the color by 10%, you get **B0007D**, and if you desaturate by 10%, it is **B01382**.

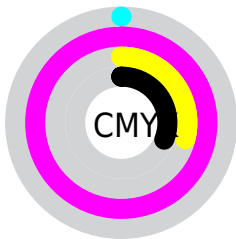
# Distribution



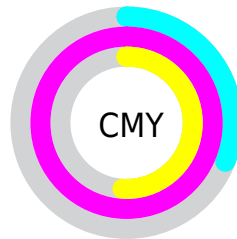
- Red (69%)
- Green (0%)
- Blue (49%)



- Red (69%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (99%)
- Yellow (29%)
- Black (31%)



- Cyan (31%)
- Magenta (100%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B0017D 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 B0017D by changing the saturation by 10% instead.



 B0017D

 B0017D

FFFFFF

 930064

 EC53B2

 76004C

 FF70CD

 5A0035

 FF8DEA

 400020

 FFAAFF

 220002

 FFC7FF

 000000

 FFE5FF

 B0017D

 B0017D

 B0007D

 B01382

 B02487

 B0368C


 B04792

 B05997

 B06B9C

 B07CA1

 B08EA6

 B09FAB

# Harmonies

## Analogous

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



7D3CB0



B0017D



BD0044

# Triad

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



B0017D



596200



0073AC

# Complementary

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



B0017D



01B034

# 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.



007477



B0017D



006D00

# Square

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



B0017D



8A4E00



00723A



006CCC

# Rectangle

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



B0017D



B51C1F



00723A



00739B



# Sweetspot

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



B0017D



E6A1D1



3301B0



734967



F2F2F2



737373



# Same Dimension

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



B0017D



E600A3



B00127



595057



99006C



1A0012



# Inverse Universe

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



B0017D



E600A3



01B08A



595057



99006C



1A0012



# Previews

## White Background



This preview shows how the Hex color B0017D looks on a white background.

## Color Contrast Check

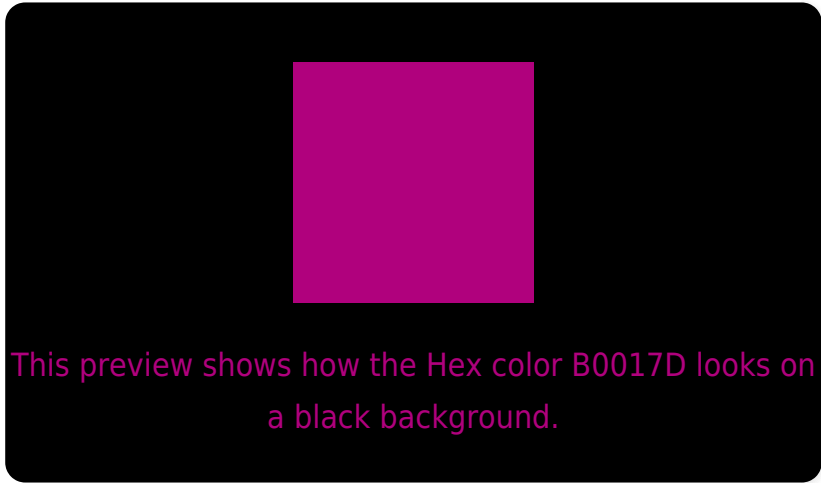
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 B0017D Background



This preview shows how black text looks on a background with the Hex color B0017D.

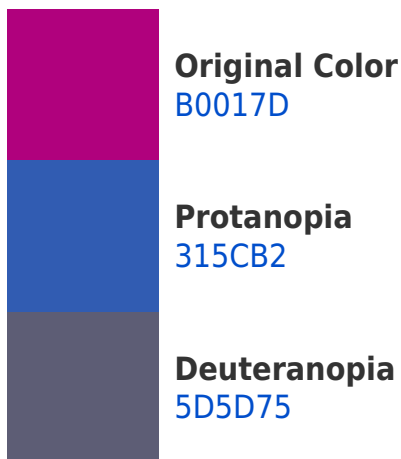


This preview shows how white text looks on a background with the Hex color B0017D.

# 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





# Trichromacy



**Original Color**  
B0017D



**Protanomaly**  
5F3B9F



**Deuteranomaly**  
7B3C78



**Tritanomaly**  
AD204F

# Monochromacy



**Original Color**  
B0017D



**Achromatopsia**  
434343



**Achromatomaly**  
6B2B58

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B0017D 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 #B0017D looks like.

```
.text, #text, p{  
    color:#B0017D  
}
```

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 #B0017D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B0017D
}
```

## Border

The CSS property to change the border of an element to Hex B0017D 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
#B0017D }
```

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

```
.border{ border-color:#B0017D }
```

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

Here you see how a box with a 4 pixel #B0017D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B0017D; -webkit-box-shadow:4px 4px  
4px 4px #B0017D; box-shadow:4px 4px 4px  
4px #B0017D }
```

# Background

The CSS property to change the background color of an element to Hex B0017D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B0017D }
```

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

```
.background{ background-color:#B0017D }
```

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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