

# Converting Colors

Hex(BD0072)

Have a look what the booklet for  
Hex(BD0072) contains.

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# Color

**Hex(BD0072)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD0072
RGB	189, 0, 114
RGB Percent	74%, 0%, 45%
CMY	0.2588, 1.0000, 0.5529
CMYK	0.00, 1.00, 0.40, 0.26
HSL	324°, 100%, 37%
HSV	324°, 100%, 74%
XYZ	24.0235, 12.0337, 16.9761
YIQ	69.5070, 76.0500, 75.5220

# Conversions

## Conversions Part 2

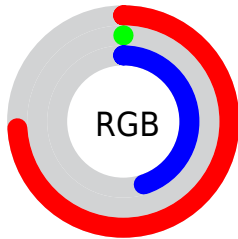
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 0, 114
Decimal	12386418
CIELab	41.27, 69.28, -8.90
CIELCh	41, 69.850, 352.677
Yxy	12.0337, 0.4530, 0.2269
Android (android.graphics.Color)	4290576498 (0xFFBD0072)
YUV	69.5070, 21.9350, 104.7954
Hunter-Lab	34.6897, 62.9092, -4.7321

# Details

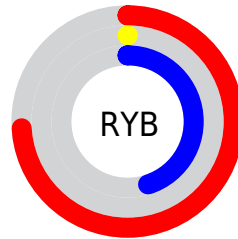
The Hex color **BD0072** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **00BD4B**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **FA55A6**, and **820042** is the 20% darker color. If you saturate the color by 10%, you get **BD0072**, and if you desaturate by 10%, it is **BD137A**.

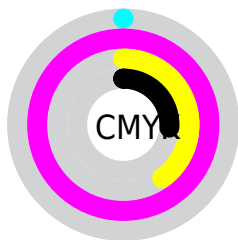
# Distribution



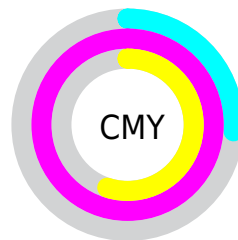
- Red (74%)
- Green (0%)
- Blue (45%)



- Red (74%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (26%)



- Cyan (26%)
- Magenta (100%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BD0072 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 BD0072 by changing the saturation by 10% instead.



 BD0072

 BD0072

FFFFFF

 9F005A

 FA55A6

 820042

 FF73C1

 65002C

 FF90DD

 490018

 FFADF9

 2C0001

 FFCAFF

 000000

 FFE8FF

 BD0072

 BD137A

 BD2681

 BD3989

 BD4C90

 BD5F98

 BD719F

 BD84A7

 BD97AE

 BDAAB6

# Harmonies

## Analogous

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



9637A8



BD0072



C11139

# Triad

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



BD0072



4D6B00



0077BD

# Complementary

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



BD0072



00BD4B

# 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.



00798C



BD0072



00740E

# Square

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



BD0072



835A00



007851



006DD5

# Rectangle

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



BD0072



B43112



007851



0078AF



# Sweetspot

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



BD0072



F5ABD8



4800BD



7A4E69



FAFAFA



7A7A7A



# Same Dimension

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



BD0072



F50094



BD0016



5E555B



9E005F



1F0012



# Inverse Universe

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



BD0072



F50094



00BDA7



5E555B



9E005F



1F0012



# Previews

## White Background



This preview shows how the Hex color BD0072 looks on a white background.

## Color Contrast Check

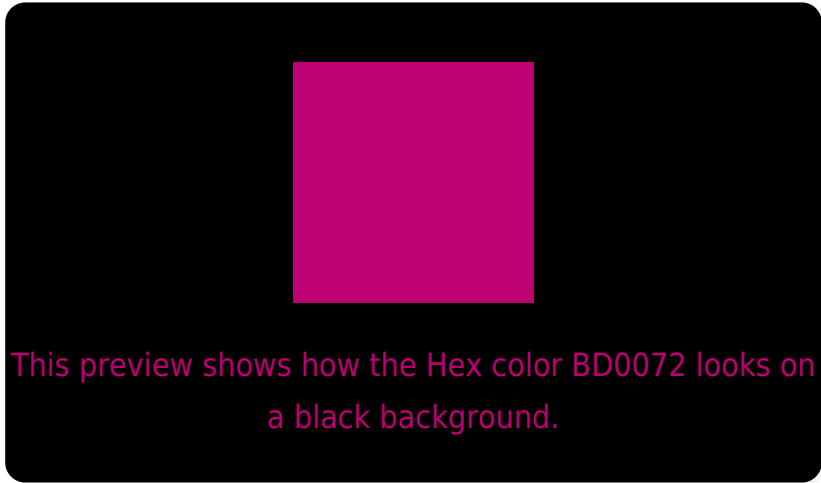
Large Text (above 18pt) WCAG AA ✓ Pass

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 BD0072 Background



This preview shows how black text looks on a background with the Hex color BD0072.



This preview shows how white text looks on a background with the Hex color BD0072.

# 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**  
BD0072



**Protanomaly**  
743E92



**Deuteranomaly**  
893E6D



**Tritanomaly**  
BA1D47

# Monochromacy



**Original Color**  
BD0072



**Achromatopsia**  
464646



**Achromatomaly**  
712D56

# CSS Examples

## Text

The CSS property to change the color of the text to Hex BD0072 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 #BD0072 looks like.

```
.text, #text, p{  
    color:#BD0072  
}
```

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 #BD0072 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BD0072
}
```

## Border

The CSS property to change the border of an element to Hex BD0072 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
#BD0072 }
```

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

```
.border{ border-color:#BD0072 }
```

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

Here you see how a box with a 4 pixel #BD0072 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BD0072; -webkit-box-shadow:4px 4px  
4px 4px #BD0072; box-shadow:4px 4px 4px  
4px #BD0072 }
```

# Background

The CSS property to change the background color of an element to Hex BD0072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BD0072 }
```

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

```
.background{ background-color:#BD0072 }
```

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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