

# Converting Colors

Hex(BB0044)

Have a look what the booklet for  
Hex(BB0044) contains.

<b>Hex(BB0044)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(BB0044)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB0044
RGB	187, 0, 68
RGB Percent	73%, 0%, 27%
CMY	0.2667, 1.0000, 0.7333
CMYK	0.00, 1.00, 0.64, 0.27
HSL	338°, 100%, 37%
HSV	338°, 100%, 73%
XYZ	21.5369, 10.9822, 6.4535
YIQ	63.6650, 89.6240, 60.7920

# Conversions

## Conversions Part 2

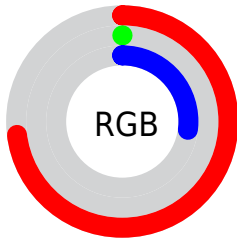
Format	Color
<a href="#">RYB</a>	<a href="#">187, 0, 68</a>
Decimal	<a href="#">12255300</a>
CIELab	<a href="#">39.55, 65.38, 17.80</a>
CIElCh	<a href="#">40, 67.763, 15.227</a>
Yxy	<a href="#">10.9822, 0.5526, 0.2818</a>
Android (android.graphics.Color)	<a href="#">4290445380</a> (0xFFBB0044)
YUV	<a href="#">63.6650, 2.1372, 108.1648</a>
Hunter-Lab	<a href="#">33.1393, 58.0115, 11.6515</a>

# Details

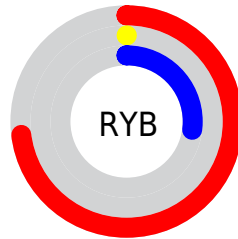
The Hex color **BB0044** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **00BB77**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **FA5374**, and **7E001A** is the 20% darker color. If you saturate the color by 10%, you get **BB0044**, and if you desaturate by 10%, it is **BB1350**.

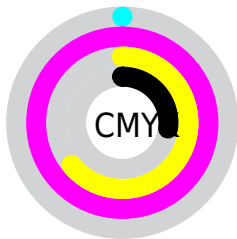
# Distribution



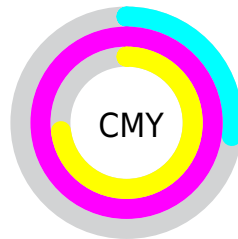
- Red (73%)
- Green (0%)
- Blue (27%)



- Red (73%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (27%)



- Cyan (27%)
- Magenta (100%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BB0044 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 BB0044 by changing the saturation by 10% instead.



 BB0044

 BB0044

FFFFFF

 9C002E

 FA5374

 7E001A

 FF708D

 600000

 FF8DA7

 440003

 FFAAC3

 220001

 FFC7DE

 000000

 FFE4FB

 BB0044

 BB1350

 BB255C

 BB3868

 BB4B74

 BB5E7F

 BB708B

 BB8397

 BB96A3

 BBA8AF

# Harmonies

## Analogous

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



B0107B



BB0044



AB320B

# Triad

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



BB0044



006E00



006CC9

# Complementary

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



BB0044



00BB77

# 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.



0073AB



BB0044



00733F

# Square

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



BB0044



586300



007479



005BC9

# Rectangle

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



BB0044



954800



007479



006FC2



# Sweetspot

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



BB0044



F2AAC4



7600BB



7A4E5E



FAFAFA



7A7A7A



# Same Dimension

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



BB0044



F20058



BB1900



5E5558



9E0039



1F000B



# Inverse Universe

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



BB0044



F20058



00A2BB



5E5558



9E0039



1F000B



# Previews

## White Background



This preview shows how the Hex color BB0044 looks on a white background.

## Color Contrast Check

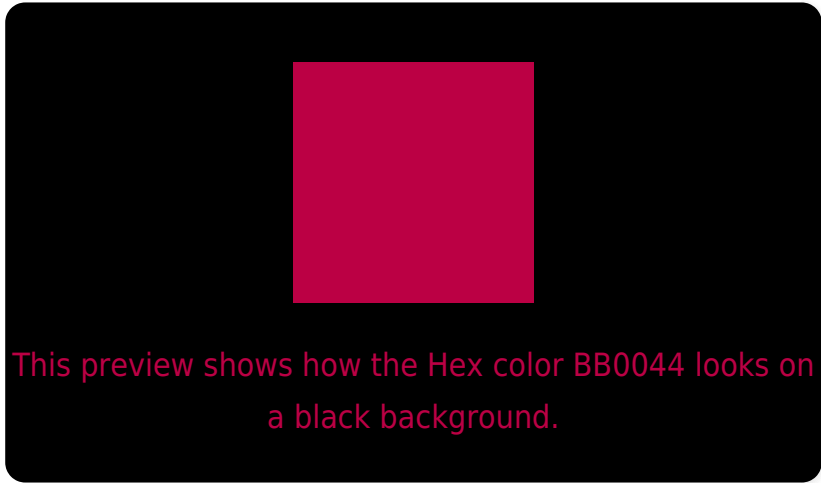
Large Text (above 18pt) WCAG AA ✓ Pass

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 BB0044 Background



This preview shows how black text looks on a background with the Hex color BB0044.



This preview shows how white text looks on a background with the Hex color BB0044.

# 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**  
BB0044

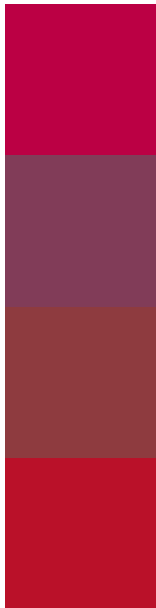
**Protanopia**  
605F64

**Deuteranopia**  
745C3C



**Tritanopia**  
BA1B19

# Trichromacy



**Original Color**  
BB0044

**Protanomaly**  
813C58

**Deuteranomaly**  
8E3B3F

**Tritanomaly**  
BA1129

# Monochromacy



**Original Color**  
BB0044

**Achromatopsia**  
404040

**Achromatomaly**  
6D2941

# CSS Examples

## Text

The CSS property to change the color of the text to Hex BB0044 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 #BB0044 looks like.

```
.text, #text, p{  
    color:#BB0044  
}
```

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 #BB0044 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BB0044
}
```

## Border

The CSS property to change the border of an element to Hex BB0044 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
#BB0044 }
```

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

```
.border{ border-color:#BB0044 }
```

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

Here you see how a box with a 4 pixel #BB0044 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BB0044; -webkit-box-shadow:4px 4px  
4px 4px #BB0044; box-shadow:4px 4px 4px  
4px #BB0044 }
```

# Background

The CSS property to change the background color of an element to Hex BB0044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BB0044 }
```

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

```
.background{ background-color:#BB0044 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor