

# Converting Colors

Hex(BB0028)

Have a look what the booklet for  
Hex(BB0028) contains.

<b>Hex(BB0028)</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(BB0028)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB0028
RGB	187, 0, 40
RGB Percent	73%, 0%, 16%
CMY	0.2667, 1.0000, 0.8431
CMYK	0.00, 1.00, 0.79, 0.27
HSL	347°, 100%, 37%
HSV	347°, 100%, 73%
XYZ	20.8765, 10.7180, 2.9759
YIQ	60.4730, 98.6120, 52.0840

# Conversions

## Conversions Part 2

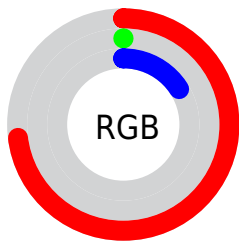
Format	Color
<a href="#">RYB</a>	<a href="#">187, 0, 40</a>
Decimal	<a href="#">12255272</a>
CIELab	<a href="#">39.10, 64.17, 34.76</a>
CIElCh	<a href="#">39, 72.980, 28.442</a>
Yxy	<a href="#">10.7180, 0.6039, 0.3100</a>
Android (android.graphics.Color)	<a href="#">4290445352 (0xFFBB0028)</a>
YUV	<a href="#">60.4730, -10.0932, 110.9642</a>
Hunter-Lab	<a href="#">32.7384, 56.5334, 17.5273</a>

# Details

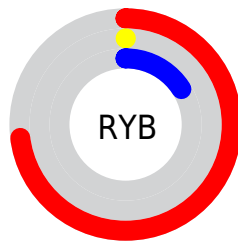
The Hex color **BB0028** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **00BB93**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **FB5255**, and **7D0000** is the 20% darker color. If you saturate the color by 10%, you get **BB0028**, and if you desaturate by 10%, it is **BB1337**.

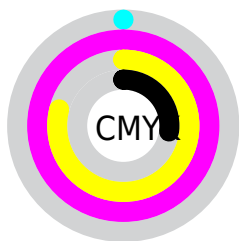
# Distribution



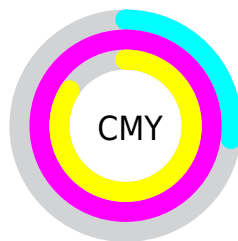
- Red (73%)
- Green (0%)
- Blue (16%)



- Red (73%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (27%)



- Cyan (27%)
- Magenta (100%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BB0028 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 BB0028 by changing the saturation by 10% instead.



 BB0028

 BB0028

FFFFFF

 9C0014

 FB5255

 7D0000

 FF6F6E

 5D0000

 FF8C87

 410003

 FFA8A1

 1F0001

 FFC5BD

 000000

 FFE3D8

 FFFFF5

 BB0028

 BB1337

 BB2545

 BB3854

 BB4B63

 BB5E72

 BB7080

 BB838F

 BB969E

 BBA8AC

# Harmonies

## Analogous

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



BD0062



BB0028



A03D00

# Triad

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



BB0028



007014



0066D5

# Complementary

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



BB0028



00BB93

# 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.



0071C2



BB0028



007357

# Square

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



BB0028



386800



007494



454DC6

# Rectangle

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



BB0028



845100



007494



006AD2



# Sweetspot

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



BB0028



F2AAB9



9200BB



7A4E58



FAFAFA



7A7A7A



# Same Dimension

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



BB0028



F20034



BB3500



5E5557



9E0022



1F0007



# Inverse Universe

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



BB0028



F20034



0086BB



5E5557



9E0022



1F0007



# Previews

## White Background



This preview shows how the Hex color BB0028 looks on a white background.

## Color Contrast Check

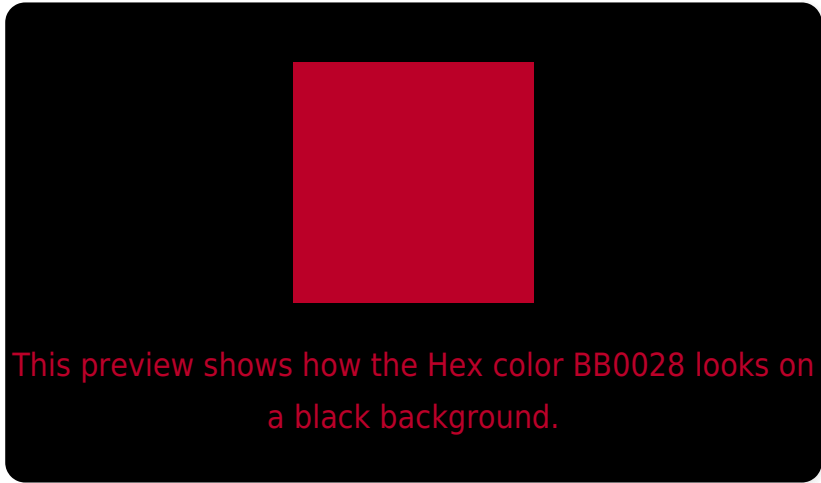
Large Text (above 18pt) WCAG AA ✓ Pass

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 BB0028 Background



This preview shows how black text looks on a background with the Hex color BB0028.



This preview shows how white text looks on a background with the Hex color BB0028.

# 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



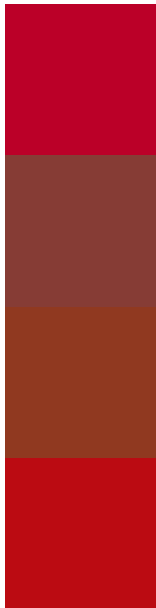
**Original Color**  
BB0028

**Protanopia**  
675F3D

**Deuteranopia**  
775A1B



# Trichromacy



**Original Color**  
BB0028

**Protanomaly**  
863C35

**Deuteranomaly**  
903920

**Tritanomaly**  
BB0B12

# Monochromacy



**Original Color**  
BB0028

**Achromatopsia**  
3C3C3C

**Achromatomaly**  
6A2635

# CSS Examples

## Text

The CSS property to change the color of the text to Hex BB0028 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 #BB0028 looks like.

```
.text, #text, p{  
    color:#BB0028  
}
```

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 #BB0028 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BB0028
}
```

## Border

The CSS property to change the border of an element to Hex BB0028 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".

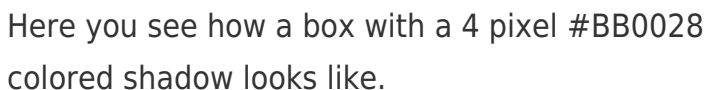
```
.border, #border, table{ border:4px solid
#BB0028 }
```

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

```
.border{ border-color:#BB0028 }
```

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

Here you see how a box with a 4 pixel #BB0028 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BB0028; -webkit-box-shadow:4px 4px  
4px 4px #BB0028; box-shadow:4px 4px 4px  
4px #BB0028 }
```

# Background

The CSS property to change the background color of an element to Hex BB0028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BB0028 }
```

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

```
.background{ background-color:#BB0028 }
```

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