

# Converting Colors

Hex(B00003)

Have a look what the booklet for  
Hex(B00003) contains.

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**Color**

**Hex(B00003)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B00003
RGB	176, 0, 3
RGB Percent	69%, 0%, 1%
CMY	0.3098, 1.0000, 0.9882
CMYK	0.00, 1.00, 0.98, 0.31
HSL	359°, 100%, 35%
HSV	359°, 100%, 69%
XYZ	17.9209, 9.2367, 0.9245
YIQ	52.9660, 103.9330, 38.2450

# Conversions

## Conversions Part 2

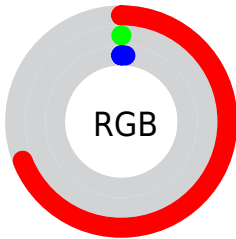
Format	Color
<a href="#">RYB</a>	<a href="#">176, 0, 3</a>
Decimal	<a href="#">11534339</a>
CIELab	<a href="#">36.44, 60.69, 49.60</a>
CIElCh	<a href="#">36, 78.381, 39.255</a>
Yxy	<a href="#">9.2367, 0.6382, 0.3289</a>
Android (android.graphics.Color)	<a href="#">4289724419 (0xFFB00003)</a>
YUV	<a href="#">52.9660, -24.6332, 107.9008</a>
Hunter-Lab	<a href="#">30.3919, 52.0687, 19.4708</a>

# Details

The Hex color **B00003** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **00B0AD**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **F04E33**, and **710000** is the 20% darker color. If you saturate the color by 10%, you get **B00003**, and if you desaturate by 10%, it is **B01214**.

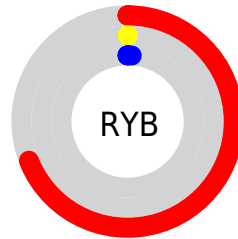
# Distribution



Red (69%)

Green (0%)

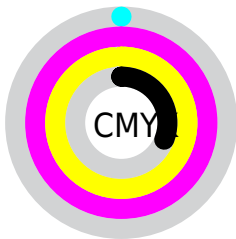
Blue (1%)



Red (69%)

Yellow (0%)

Blue (1%)

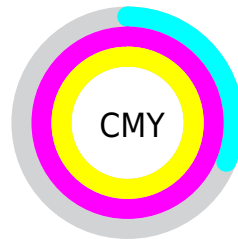


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (31%)



Cyan (31%)

Magenta (100%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B00003 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 B00003 by changing the saturation by 10% instead.



 B00003

 B00003

 FFFFEC

 900000

 F04E33

 710000

 FF6B4B

 520001

 FF8764

 360002

 FFA47E

 060000

 FFC198

 000000

 FFDEB3

 FFFBCF

 B00003

 B01214

 B02326

 B03537

 B04648

 B05859

 B06A6B

 B07B7C

 B08D8D

 B09E9F

# Harmonies

## Analogous

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



BE0046



B00003



8C4100

# Triad

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



B00003



006B24



0059D5

# Complementary

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



B00003



00B0AD

# 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.



0069CE



B00003



006E68

# Square

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



B00003



006600



006EA5



6837B9

# Rectangle

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



B00003



6B5300



006EA5



0060D7



# Sweetspot

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



B00003



E6A1A2



AA00B0



73494A



F2F2F2



737373



# Same Dimension

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



B00003



E60004



B05200



595050



990003



1A0000



# Inverse Universe

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



B00003



E60004



005EB0



595050



990003



1A0000



# Previews

## White Background



This preview shows how the Hex color B00003 looks on a white background.

## Color Contrast Check

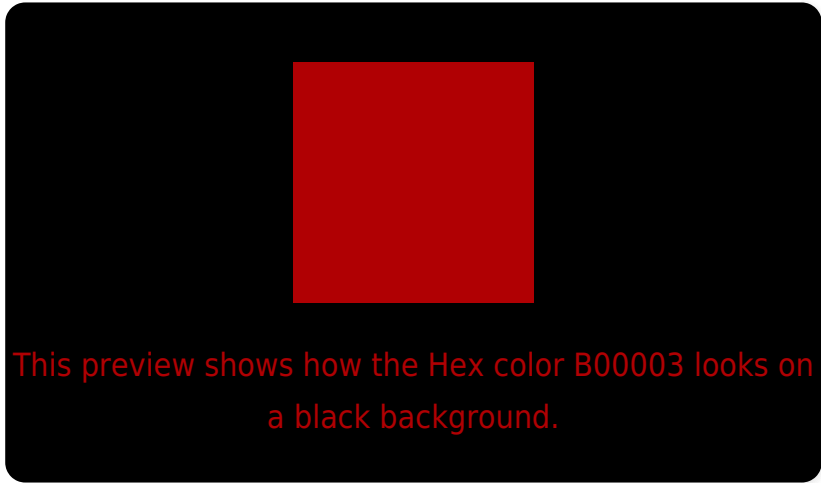
Large Text (above 18pt) WCAG AA ✓ Pass

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 B00003 Background



This preview shows how black text looks on a background with the Hex color B00003.



This preview shows how white text looks on a background with the Hex color B00003.

# 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**  
B00003

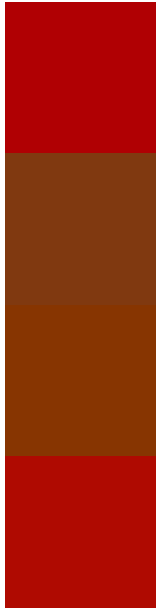
**Protanopia**  
645917

**Deuteranopia**  
705400



**Tritanopia**  
AF1000

# Trichromacy



**Original Color**  
B00003

**Protanomaly**  
803910

**Deuteranomaly**  
873501

**Tritanomaly**  
AF0A01

# Monochromacy



**Original Color**  
B00003

**Achromatopsia**  
353535

**Achromatomaly**  
622223

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B00003 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 #B00003 looks like.

```
.text, #text, p{  
    color:#B00003  
}
```

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 #B00003 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B00003
}
```

## Border

The CSS property to change the border of an element to Hex B00003 is called "border". The border property can be set on classes, ids or directly on the HTML element.

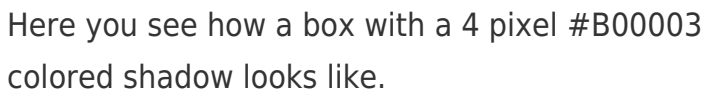
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B00003 }
```

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

```
.border{ border-color:#B00003 }
```

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



Here you see how a box with a 4 pixel `#B00003` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B00003; -webkit-box-shadow:4px 4px  
4px 4px #B00003; box-shadow:4px 4px 4px  
4px #B00003 }
```

# Background

The CSS property to change the background color of an element to Hex B00003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B00003 }
```

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

```
.background{ background-color:#B00003 }
```

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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