

# Converting Colors

Hex(B70003)

Have a look what the booklet for  
Hex(B70003) contains.

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**Color**

**Hex(B70003)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B70003
RGB	183, 0, 3
RGB Percent	72%, 0%, 1%
CMY	0.2824, 1.0000, 0.9882
CMYK	0.00, 1.00, 0.98, 0.28
HSL	359°, 100%, 36%
HSV	359°, 100%, 72%
XYZ	19.5449, 10.0739, 1.0005
YIQ	55.0590, 108.1050, 39.7290

# Conversions

## Conversions Part 2

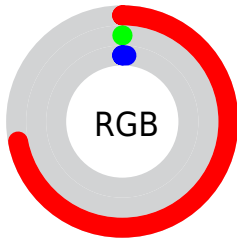
Format	Color
<a href="#">RYB</a>	<a href="#">183, 0, 3</a>
Decimal	<a href="#">11993091</a>
CIELab	<a href="#">37.97, 62.47, 51.17</a>
CIELCh	<a href="#">38, 80.754, 39.320</a>
Yxy	<a href="#">10.0739, 0.6383, 0.3290</a>
Android (android.graphics.Color)	<a href="#">4290183171 (0xFFB70003)</a>
YUV	<a href="#">55.0590, -25.6651, 112.2043</a>
Hunter-Lab	<a href="#">31.7393, 54.3753, 20.3486</a>

# Details

The Hex color **B70003** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **00B7B4**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **F85034**, and **770000** is the 20% darker color. If you saturate the color by 10%, you get **B70003**, and if you desaturate by 10%, it is **B71215**.

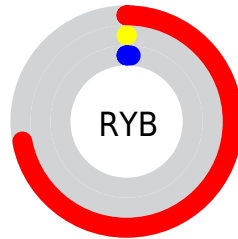
# Distribution



Red (72%)

Green (0%)

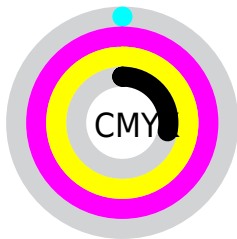
Blue (1%)



Red (72%)

Yellow (0%)

Blue (1%)

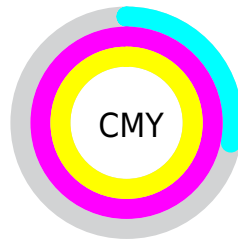


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (28%)



Cyan (28%)

Magenta (100%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B70003 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 B70003 by changing the saturation by 10% instead.



 B70003

 B70003

 FFFFED

 970000

 F85034

 770000

 FF6D4C

 590000

 FF8965

 3C0003

 FFA67F

 170000

 FFC399

 000000

 FFE0B4

 FFFED0

 B70003

 B71215

 B72527

 B73739

 B7494B

 B75C5D

 B76E6F

 B78081

 B79293

 B7A5A5

# Harmonies

## Analogous

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



C50049



B70003



914400

# Triad

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



B70003



007026



005DDE

# Complementary

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



B70003



00B7B4

# 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.



006DD6



B70003



00726D

# Square

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



B70003



006A00



0072AC



6D3AC1

# Rectangle

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



B70003



6F5700



0072AC



0064DF



# Sweetspot

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



B70003



EDA6A7



B400B7



784D4D



F7F7F7



787878



# Same Dimension

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



B70003



ED0004



B75800



5C5353



9C0003



1C0000



# Inverse Universe

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



B70003



ED0004



005FB7



5C5353



9C0003



1C0000



# Previews

## White Background



This preview shows how the Hex color B70003 looks on a white background.

## Color Contrast Check

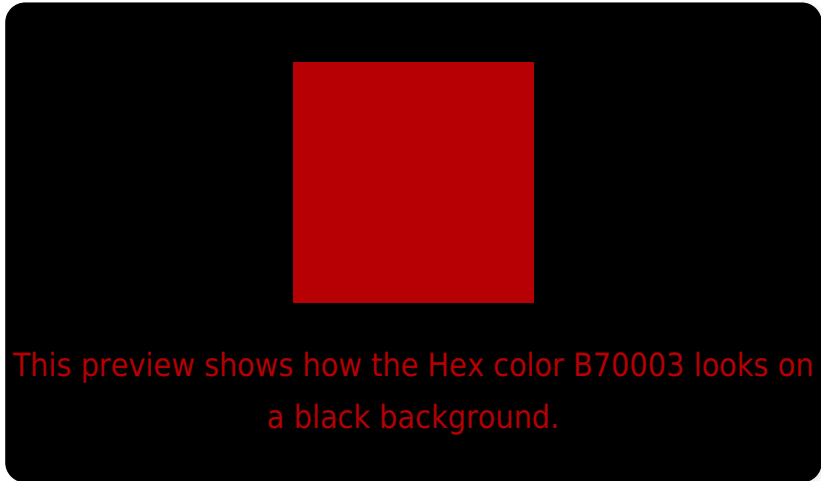
Large Text (above 18pt) WCAG AA ✓ Pass

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 B70003 Background



This preview shows how black text looks on a background with the Hex color B70003.



This preview shows how white text looks on a background with the Hex color B70003.

# 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**  
B70003

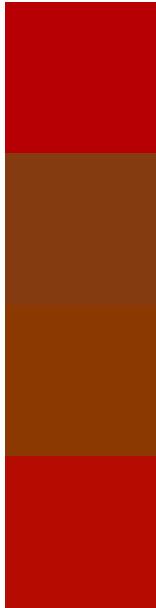
**Protanopia**  
685D18

**Deuteranopia**  
745800



**Tritanopia**  
B61100

# Trichromacy



**Original Color**  
B70003

**Protanomaly**  
853B10

**Deuteranomaly**  
8C3801

**Tritanomaly**  
B60B01

# Monochromacy



**Original Color**  
B70003

**Achromatopsia**  
373737

**Achromatomaly**  
662324

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B70003 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 #B70003 looks like.

```
.text, #text, p{  
    color:#B70003  
}
```

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 #B70003 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B70003 }  
}
```

## Border

The CSS property to change the border of an element to Hex B70003 is called "border". The border property can be set on classes, ids or directly on the HTML element.

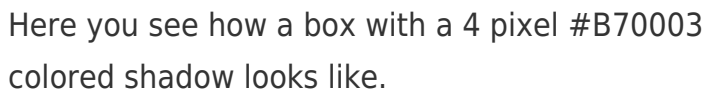
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid #B70003 }  
}
```

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

```
.border{ border-color:#B70003 }
```

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



Here you see how a box with a 4 pixel #B70003 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B70003; -webkit-box-shadow:4px 4px  
4px 4px #B70003; box-shadow:4px 4px 4px  
4px #B70003 }
```

# Background

The CSS property to change the background color of an element to Hex B70003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B70003 }
```

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

```
.background{ background-color:#B70003 }
```

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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