

# Converting Colors

Hex(B70016)

Have a look what the booklet for  
Hex(B70016) contains.

<b>Hex(B70016)</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(B70016)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B70016
RGB	183, 0, 22
RGB Percent	72%, 0%, 9%
CMY	0.2824, 1.0000, 0.9137
CMYK	0.00, 1.00, 0.88, 0.28
HSL	353°, 100%, 36%
HSV	353°, 100%, 72%
XYZ	19.6733, 10.1252, 1.6765
YIQ	57.2250, 102.0060, 45.6380

# Conversions

## Conversions Part 2

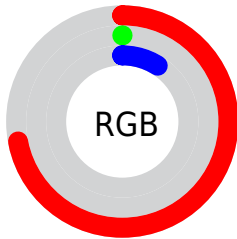
Format	Color
<b>RYB</b>	183, 0, 22
Decimal	11993110
CIELab	38.07, 62.72, 43.46
CIELCh	38, 76.309, 34.719
Yxy	10.1252, 0.6250, 0.3217
Android (android.graphics.Color)	4290183190 (0xFFB70016)
YUV	57.2250, -17.3659, 110.3047
Hunter-Lab	31.8201, 54.6750, 19.1503

# Details

The Hex color **B70016** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **00B7A1**, and the grayscale version is **393939**.

A 20% lighter version of the original color is **F75043**, and **780000** is the 20% darker color. If you saturate the color by 10%, you get **B70016**, and if you desaturate by 10%, it is **B71226**.

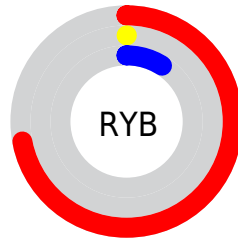
# Distribution



Red (72%)

Green (0%)

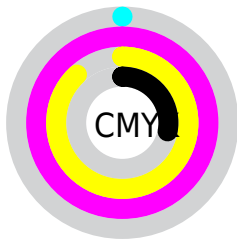
Blue (9%)



Red (72%)

Yellow (0%)

Blue (9%)

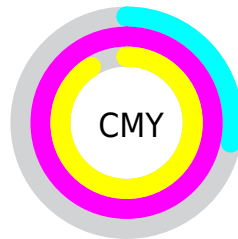


Cyan (0%)

Magenta (100%)

Yellow (88%)

Black (28%)



Cyan (28%)

Magenta (100%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B70016 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 B70016 by changing the saturation by 10% instead.



 B70016

 B70016

FFFFFFD

 970000

 F75043

 780000

 FF6D5B

 590000

 FF8A74

 3D0003

 FFA78E

 180001

 FFC3A9

 000000

 FFE1C4

 FFFFEO

 B70016

 B71226

 B72536

 B73746

 B74956

 B75C66

 B76E77

 B78087

 B79297

 B7A5A7

# Harmonies

## Analogous

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



C00053



B70016



964000

# Triad

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



B70016



006F1E



0060D7

# Complementary

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



B70016



00B7A1

# 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.



006ECB



B70016



007262

# Square

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



B70016



1B6800



00729F



5C43C1

# Rectangle

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



B70016



775400



00729F



0066D7



# Sweetspot

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



B70016



EDA6AF



9F00B7



784D52



F7F7F7



787878



# Same Dimension

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



B70016



ED001D



B74300



5C5354



9C0013



1C0003



# Inverse Universe

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



B70016



ED001D



0074B7



5C5354



9C0013



1C0003



# Previews

## White Background



This preview shows how the Hex color B70016 looks on a white background.

## Color Contrast Check

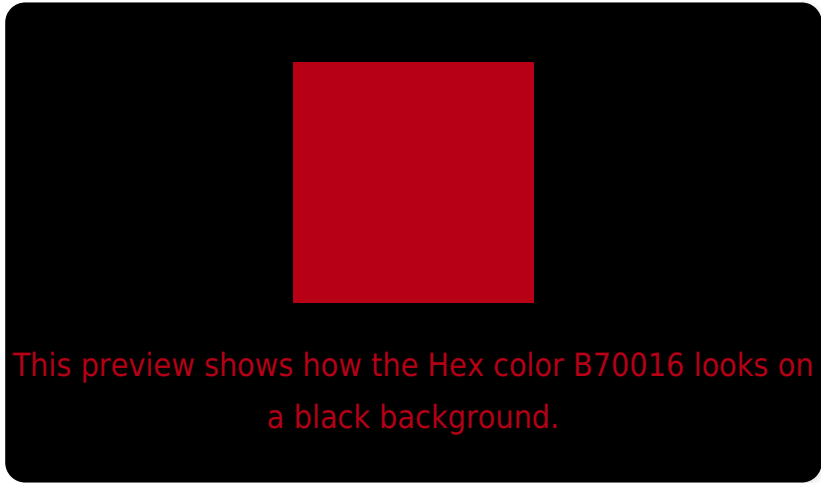
Large Text (above 18pt) WCAG AA ✓ Pass

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 B70016 Background



This preview shows how black text looks on a background with the Hex color B70016.



This preview shows how white text looks on a background with the Hex color B70016.

# 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**  
B70016

**Protanopia**  
675D26

**Deuteranopia**  
755800



**Tritanopia**  
B61100

# Trichromacy



**Original Color**  
B70016

**Protanomaly**  
843B20

**Deuteranomaly**  
8D3808

**Tritanomaly**  
B60B08

# Monochromacy



**Original Color**  
B70016

**Achromatopsia**  
393939

**Achromatomaly**  
67242C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B70016 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 #B70016 looks like.

```
.text, #text, p{  
    color:#B70016  
}
```

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 #B70016 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B70016
}
```

## Border

The CSS property to change the border of an element to Hex B70016 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".

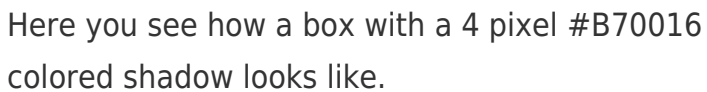
```
.border, #border, table{ border:4px solid
#B70016 }
```

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

```
.border{ border-color:#B70016 }
```

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

Here you see how a box with a 4 pixel #B70016 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B70016; -webkit-box-shadow:4px 4px  
4px 4px #B70016; box-shadow:4px 4px 4px  
4px #B70016 }
```

# Background

The CSS property to change the background color of an element to Hex B70016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B70016 }
```

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

```
.background{ background-color:#B70016 }
```

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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