

# Converting Colors

Hex(B02000)

Have a look what the booklet for  
Hex(B02000) contains.

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**Color**

**Hex(B02000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B02000
RGB	176, 32, 0
RGB Percent	69%, 13%, 0%
CMY	0.3098, 0.8745, 1.0000
CMYK	0.00, 0.82, 1.00, 0.31
HSL	11°, 100%, 35%
HSV	11°, 100%, 69%
XYZ	18.4210, 10.2631, 1.0101
YIQ	71.4080, 96.0960, 20.5760

# Conversions

## Conversions Part 2

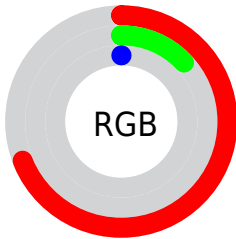
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 39, 0
Decimal	11542528
CIE Lab	38.31, 55.26, 51.62
CIE LCh	38, 75.613, 43.049
Yxy	10.2631, 0.6204, 0.3456
Android (android.graphics.Color)	4289732608 (0xFFB02000)
YUV	71.4080, -35.2041, 91.7272
Hunter-Lab	32.0361, 46.5756, 20.5559

# Details

The Hex color **B02000** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **0090B0**, and the grayscale version is **484848**.

A 20% lighter version of the original color is **F05B33**, and **720000** is the 20% darker color. If you saturate the color by 10%, you get **B02000**, and if you desaturate by 10%, it is **B02E12**.

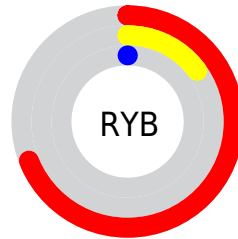
# Distribution



Red (69%)

Green (13%)

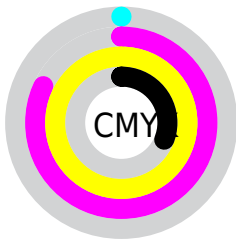
Blue (0%)



Red (69%)

Yellow (15%)

Blue (0%)

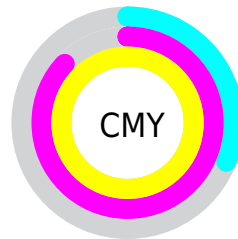


Cyan (0%)

Magenta (82%)

Yellow (100%)

Black (31%)



Cyan (31%)

Magenta (87%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B02000 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 B02000 by changing the saturation by 10% instead.



 B02000

 B02000

 FFFFEC

 910000

 F05B33

 720000

 FF774B

 530000

 FF9364

 380002

 FFAF7E

 0D0000

 FFCB99

 000000

 FFE9B4

 FFFF00

 B02000

 B02E12

 B03D23


 B04B35

 B05A46

 B06858

 B0766A

 B0857B

 B0938D

 B0A29E

# Harmonies

## Analogous

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



C00043



B02000



8B4A00

# Triad

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



B02000



007033



005AD4

# Complementary

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



B02000



0090B0

# 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.



006BD1



B02000



007274

# Square

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



B02000



006B00



0072AE



7A38B5

# Rectangle

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



B02000



695A00



0072AE



0061D7



# Sweetspot

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



B02000



E6ADA1



B00093



735149



F2F2F2



737373



# Same Dimension

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



B02000



E62A00



B07500



595250



991C00



1A0500



# Inverse Universe

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



0090B0



00BCE6



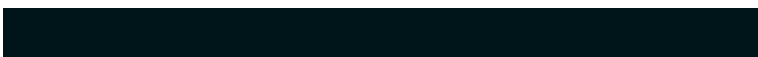
003BB0



505859



007D99



00151A



# Previews

## White Background



This preview shows how the Hex color B02000 looks on a white background.

## Color Contrast Check

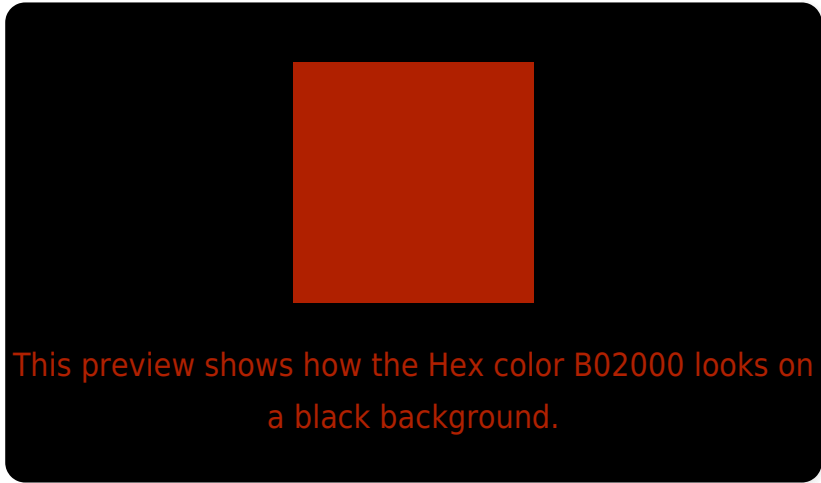
Large Text (above 18pt) WCAG AA ✓ Pass

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

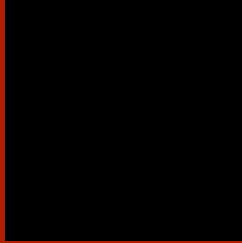
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex B02000 Background



This preview shows how black text looks on a background with the Hex color B02000.



This preview shows how white text looks on a background with the Hex color B02000.

# 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



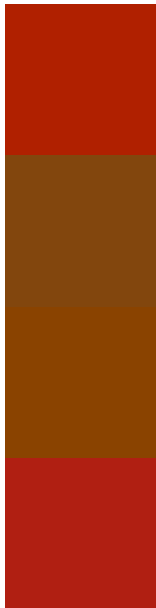
**Original Color**  
B02000

**Protanopia**  
675C15

**Deuteranopia**  
745700



# Trichromacy



**Original Color**  
B02000

**Protanomaly**  
82460D

**Deuteranomaly**  
8A4300

**Tritanomaly**  
B01F12

# Monochromacy



**Original Color**  
B02000

**Achromatopsia**  
474747

**Achromatomaly**  
6D392D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B02000 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 #B02000 looks like.

```
.text, #text, p{  
    color:#B02000  
}
```

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 #B02000 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B02000
}
```

## Border

The CSS property to change the border of an element to Hex B02000 is called "border". The border property can be set on classes, ids or directly on the HTML element.

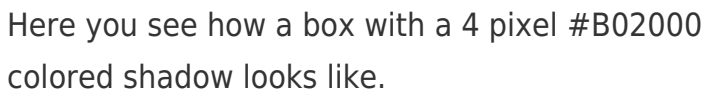
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B02000 }
```

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

```
.border{ border-color:#B02000 }
```

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



Here you see how a box with a 4 pixel #B02000 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B02000; -webkit-box-shadow:4px 4px  
4px 4px #B02000; box-shadow:4px 4px 4px  
4px #B02000 }
```

# Background

The CSS property to change the background color of an element to Hex B02000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B02000 }
```

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

```
.background{ background-color:#B02000 }
```

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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