

# Converting Colors

Hex(B30232)

Have a look what the booklet for  
Hex(B30232) contains.

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**Color**

**Hex(B30232)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | B30232                    |
| RGB           | 179, 2, 50                |
| RGB Percent   | 70%, 1%, 20%              |
| CMY           | 0.2980, 0.9922, 0.8039    |
| CMYK          | 0.00, 0.99, 0.72, 0.30    |
| HSL           | 344°, 98%, 35%            |
| HSV           | 344°, 99%, 70%            |
| XYZ           | 19.1878, 9.8574, 3.9090   |
| YIQ           | 60.3950, 90.0840, 52.4520 |

# Conversions

## Conversions Part 2

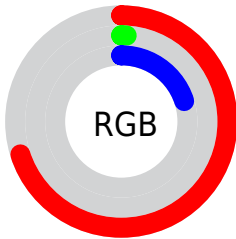
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 179, 2, 50                    |
| Decimal                             | 11731506                      |
| CIE <sub>Lab</sub>                  | 37.59, 62.34, 26.41           |
| CIE <sub>LCh</sub>                  | 38, 67.706, 22.959            |
| Yxy                                 | 9.8574, 0.5823,<br>0.2991     |
| Android<br>(android.graphics.Color) | 4289921586<br>(0xFFB30232)    |
| YUV                                 | 60.3950, -5.1247,<br>104.0166 |
| Hunter-Lab                          | 31.3965, 54.1456,<br>14.5958  |

# Details

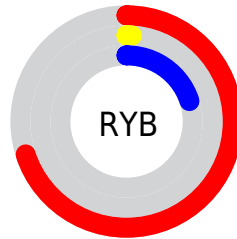
The Hex color **B30232** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **02B383**, and the grayscale version is **3C3C3C**.

A 20% lighter version of the original color is **F25160**, and **760006** is the 20% darker color. If you saturate the color by 10%, you get **B30031**, and if you desaturate by 10%, it is **B3143F**.

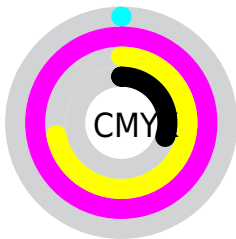
# Distribution



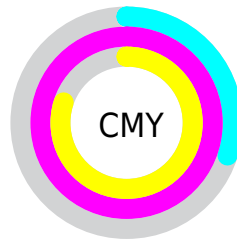
- Red (70%)
- Green (1%)
- Blue (20%)



- Red (70%)
- Yellow (1%)
- Blue (20%)



- Cyan (0%)
- Magenta (99%)
- Yellow (72%)
- Black (30%)



- Cyan (30%)
- Magenta (99%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B30232 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 B30232 by changing the saturation by 10% instead.



 B30232

 B30232

FFFFFF

 94001D

 F25160

 760006

 FF6E79

 570001

 FF8A92

 3B0002

 FFA7AD

 140000

 FFC4C8

 000000

 FFE1E4

 B30232

 B30232

 B30031

 B3143F

 B3264C

 B33859

 B34A66

 B35B73

 B36D80

 B37F8D

 B3919A

 B3A3A7

# Harmonies

## Analogous

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



B00068



B30232



9D3600

# Triad

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



B30232



006A07



0064C7

# Complementary

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



B30232



02B383

# 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.



006DB0



B30232



006E49

# Square

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



B30232



446200



006F82



2350BF

# Rectangle

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



B30232



864A00



006F82



0068C2



# Sweetspot

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



B30232



E8A2B5



8102B3



754B57



F5F5F5



757575



# Same Dimension

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



B30232



E8003F



B32802



595053



990029



1A0007



# Inverse Universe

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



B30232



E8003F



028DB3



595053



990029



1A0007



# Previews

## White Background



This preview shows how the Hex color B30232 looks on a white background.

## Color Contrast Check

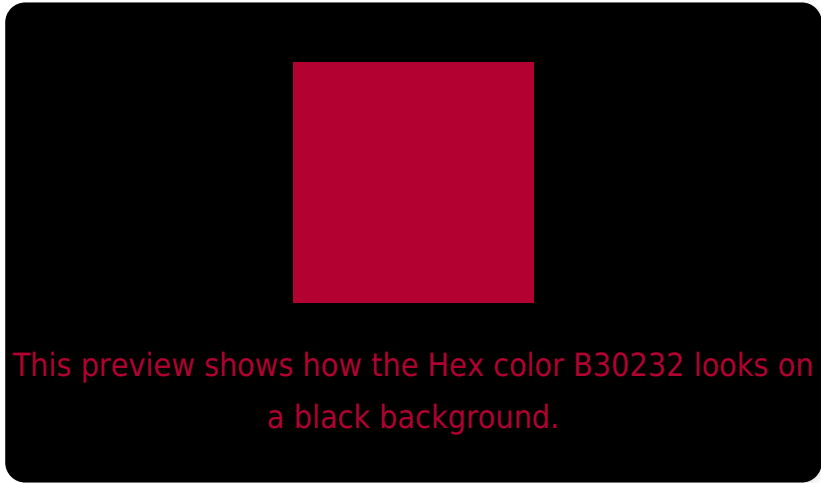
Large Text (above 18pt) WCAG AA ✓ Pass

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 B30232 Background



This preview shows how black text looks on a background with the Hex color B30232.



This preview shows how white text looks on a background with the Hex color B30232.

# 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**  
B30232

**Protanopia**  
605B4B

**Deuteranopia**  
715729



# Trichromacy



**Original Color**  
B30232

**Protanomaly**  
7E3B42

**Deuteranomaly**  
89382C

**Tritanomaly**  
B20E1C

# Monochromacy



**Original Color**  
B30232

**Achromatopsia**  
3C3C3C

**Achromatomaly**  
672738

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B30232 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 #B30232 looks like.

```
.text, #text, p{  
    color:#B30232  
}
```

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 #B30232 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B30232
}
```

## Border

The CSS property to change the border of an element to Hex B30232 is called "border". The border property can be set on classes, ids or directly on the HTML element.

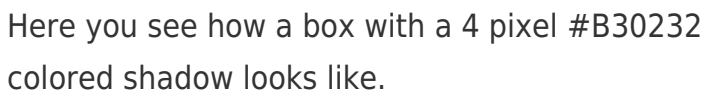
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B30232 }
```

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

```
.border{ border-color:#B30232 }
```

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



Here you see how a box with a 4 pixel #B30232 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B30232; -webkit-box-shadow:4px 4px  
4px 4px #B30232; box-shadow:4px 4px 4px  
4px #B30232 }
```

# Background

The CSS property to change the background color of an element to Hex B30232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B30232 }
```

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

```
.background{ background-color:#B30232 }
```

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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