

# Converting Colors

Hex(B3011E)

Have a look what the booklet for  
Hex(B3011E) contains.

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**Color**

**Hex(B3011E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B3011E
RGB	179, 1, 30
RGB Percent	70%, 0%, 12%
CMY	0.2980, 0.9961, 0.8824
CMYK	0.00, 0.99, 0.83, 0.30
HSL	350°, 99%, 35%
HSV	350°, 99%, 70%
XYZ	18.8356, 9.6992, 2.1077
YIQ	57.5280, 96.7790, 46.7550

# Conversions

## Conversions Part 2

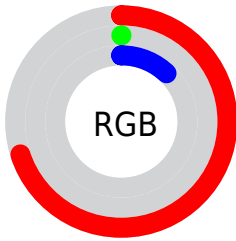
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 1, 30
Decimal	11731230
CIE Lab	37.30, 61.78, 38.19
CIE LCh	37, 72.631, 31.724
Yxy	9.6992, 0.6147, 0.3165
Android (android.graphics.Color)	4289921310 (0xFFB3011E)
YUV	57.5280, -13.5713, 106.5309
Hunter-Lab	31.1435, 53.4560, 17.7879

# Details

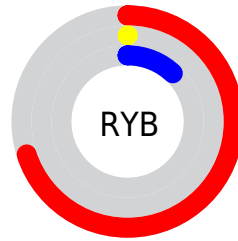
The Hex color **B3011E** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **01B396**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **F3504B**, and **750000** is the 20% darker color. If you saturate the color by 10%, you get **B3001D**, and if you desaturate by 10%, it is **B3132D**.

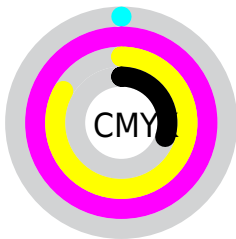
# Distribution



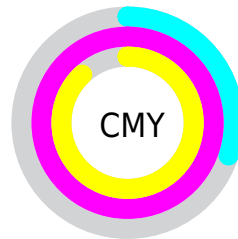
- Red (70%)
- Green (0%)
- Blue (12%)



- Red (70%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (99%)
- Yellow (83%)
- Black (30%)



- Cyan (30%)
- Magenta (100%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B3011E 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 B3011E by changing the saturation by 10% instead.



 B3011E

 B3011E

FFFFFF

 940008

 F3504B

 750000

 FF6D63

 560001

 FF897C

 3A0002

 FFA696

 110000

 FFC3B1

 000000

 FFE0CC

 FFFEE9

 B3011E

 B3011E

 B3001D

 B3132D

 B3253C

 B3374B

 B3495A

 B35B69

 B36C78

 B37E87

 B39096

 B3A2A5

# Harmonies

## Analogous

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



B90057



B3011E



963D00

# Triad

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



B3011E



006C19



005FCF

# Complementary

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



B3011E



01B396

# 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.



006BC0



B3011E



006F5A

# Square

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



B3011E



2A6500



006F95



4F46BD

# Rectangle

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



B3011E



795000



006F95



0065CE



# Sweetspot

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



B3011E



E8A2AE



9501B3



754B52



F5F5F5



757575



# Same Dimension

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



B3011E



E80026



B33C01



595052



990019



1A0004



# Inverse Universe

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



B3011E



E80026



0178B3



595052



990019



1A0004



# Previews

## White Background



This preview shows how the Hex color B3011E looks on a white background.

## Color Contrast Check

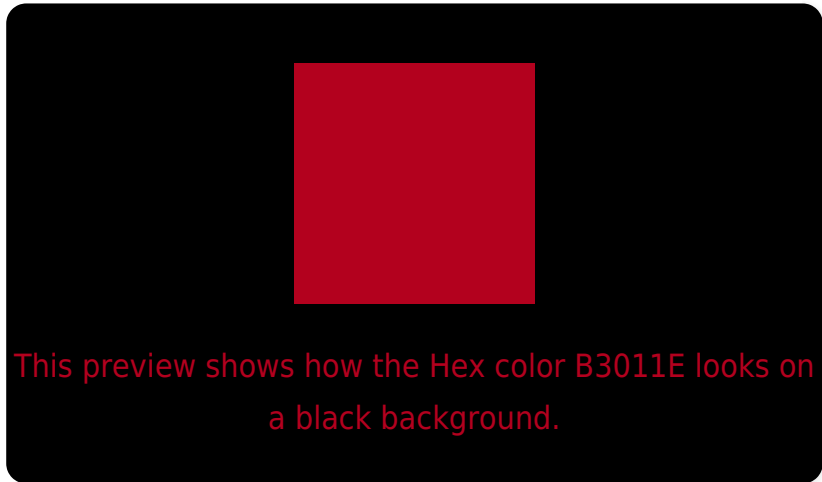
Large Text (above 18pt) WCAG AA ✓ Pass

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 B3011E Background



This preview shows how black text looks on a background with the Hex color B3011E.



This preview shows how white text looks on a background with the Hex color B3011E.

# 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**  
B3011E

**Protanopia**  
645B30

**Deuteranopia**  
72560B



**Tritanopia**  
B21000

# Trichromacy



**Original Color**  
B3011E

**Protanomaly**  
813A29

**Deuteranomaly**  
8A3712

**Tritanomaly**  
B20B0B

# Monochromacy



**Original Color**  
B3011E

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
662530

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B3011E 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 #B3011E looks like.

```
.text, #text, p{  
    color:#B3011E  
}
```

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 #B3011E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B3011E
}
```

## Border

The CSS property to change the border of an element to Hex B3011E is called "border". The border property can be set on classes, ids or directly on the HTML element.

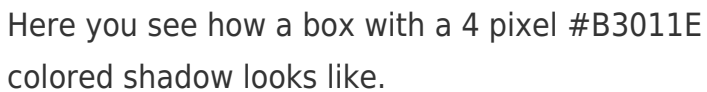
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B3011E }
```

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

```
.border{ border-color:#B3011E }
```

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



Here you see how a box with a 4 pixel #B3011E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B3011E; -webkit-box-shadow:4px 4px  
4px 4px #B3011E; box-shadow:4px 4px 4px  
4px #B3011E }
```

# Background

The CSS property to change the background color of an element to Hex B3011E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B3011E }
```

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

```
.background{ background-color:#B3011E }
```

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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