

# Converting Colors

Hex(B30027)

Have a look what the booklet for  
Hex(B30027) contains.

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**Color**

**Hex(B30027)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B30027
RGB	179, 0, 39
RGB Percent	70%, 0%, 15%
CMY	0.2980, 1.0000, 0.8471
CMYK	0.00, 1.00, 0.78, 0.30
HSL	347°, 100%, 35%
HSV	347°, 100%, 70%
XYZ	18.9566, 9.7302, 2.7984
YIQ	57.9670, 94.1650, 50.0770

# Conversions

## Conversions Part 2

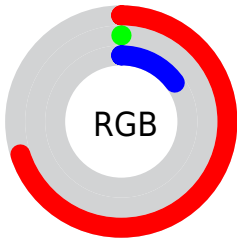
Format	Color
<a href="#">RYB</a>	<a href="#">179, 0, 39</a>
Decimal	<a href="#">11730983</a>
CIELab	<a href="#">37.35, 62.16, 32.97</a>
CIELCh	<a href="#">37, 70.359, 27.940</a>
Yxy	<a href="#">9.7302, 0.6021, 0.3090</a>
Android (android.graphics.Color)	<a href="#">4289921063 (0xFFB30027)</a>
YUV	<a href="#">57.9670, -9.3507, 106.1459</a>
Hunter-Lab	<a href="#">31.1933, 53.8890, 16.5162</a>

# Details

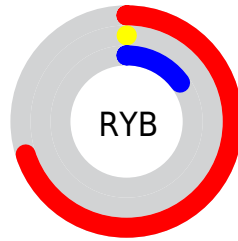
The Hex color **B30027** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **00B38C**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **F25054**, and **750000** is the 20% darker color. If you saturate the color by 10%, you get **B30027**, and if you desaturate by 10%, it is **B31235**.

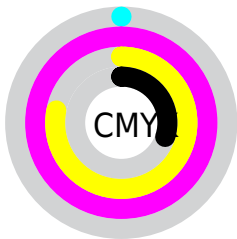
# Distribution



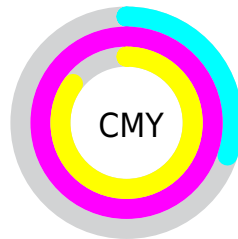
- Red (70%)
- Green (0%)
- Blue (15%)



- Red (70%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (30%)



- Cyan (30%)
- Magenta (100%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B30027 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 B30027 by changing the saturation by 10% instead.



 B30027

 B30027

FFFFFF

 940013

 F25054

 750000

 FF6D6C

 560001

 FF8986

 3A0002

 FFA6A0

 120000

 FFC3BB

 000000

 FFE0D7

 FFFEF3

 B30027

 B31235

 B32443

 B33651

 B3485F

 B35A6D

 B36B7B

 B37D89

 B38F97

 B3A1A5

# Harmonies

## Analogous

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



B5005E



B30027



993A00

# Triad

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



B30027



006B11



0061CB

# Complementary

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



B30027



00B38C

# 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.



006CB9



B30027



006E52

# Square

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



B30027



376400



006F8C



3F4ABE

# Rectangle

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



B30027



7F4D00



006F8C



0066C9



# Sweetspot

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



B30027



E8A2B2



8900B3



754B54



F5F5F5



757575



# Same Dimension

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



B30027



E80033



B33000



595052



990021



1A0006



# Inverse Universe

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



B30027



E80033



0083B3



595052



990021



1A0006



# Previews

## White Background



This preview shows how the Hex color B30027 looks on a white background.

## Color Contrast Check

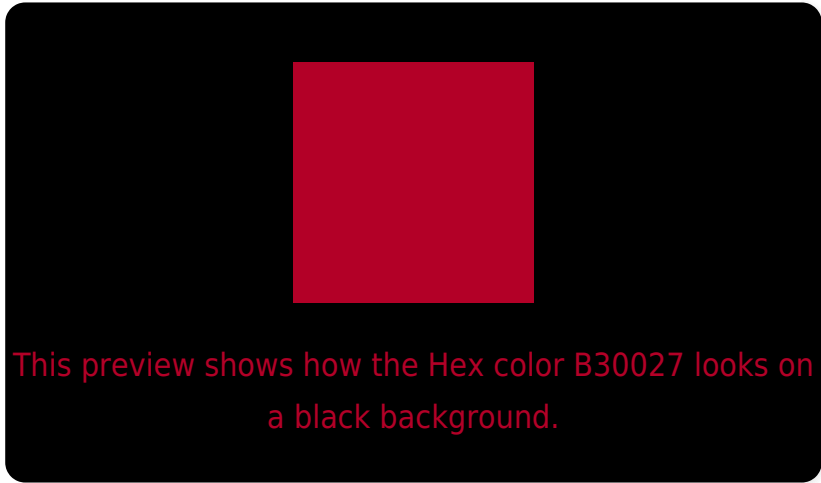
Large Text (above 18pt) WCAG AA ✓ Pass

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 B30027 Background



This preview shows how black text looks on a background with the Hex color B30027.

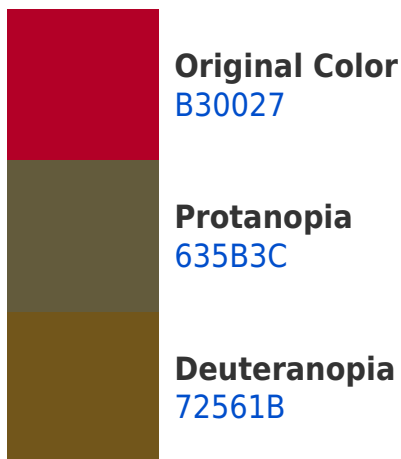


This preview shows how white text looks on a background with the Hex color B30027.

# 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





**Tritanopia**  
B31006

# Trichromacy



**Original Color**  
B30027

**Protanomaly**  
803A34

**Deuteranomaly**  
8A371F

**Tritanomaly**  
B30A12

# Monochromacy



**Original Color**  
B30027

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
662533

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B30027 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 #B30027 looks like.

```
.text, #text, p{  
    color:#B30027  
}
```

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 #B30027 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B30027
}
```

## Border

The CSS property to change the border of an element to Hex B30027 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".

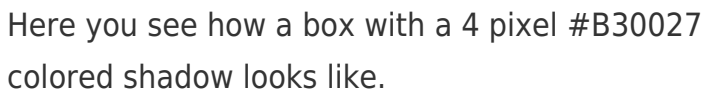
```
.border, #border, table{ border:4px solid
#B30027 }
```

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

```
.border{ border-color:#B30027 }
```

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

Here you see how a box with a 4 pixel #B30027 colored shadow looks like.

A rectangular box with a thick red border and a red drop shadow. The text inside the box is "Here you see how a box with a 4 pixel #B30027 colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B30027; -webkit-box-shadow:4px 4px  
4px 4px #B30027; box-shadow:4px 4px 4px  
4px #B30027 }
```

# Background

The CSS property to change the background color of an element to Hex B30027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B30027 }
```

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

```
.background{ background-color:#B30027 }
```

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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