

# Converting Colors

Hex(B80036)

Have a look what the booklet for  
Hex(B80036) contains.

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# Color

**Hex(B80036)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B80036
RGB	184, 0, 54
RGB Percent	72%, 0%, 21%
CMY	0.2784, 1.0000, 0.7882
CMYK	0.00, 1.00, 0.71, 0.28
HSL	342°, 100%, 36%
HSV	342°, 100%, 72%
XYZ	20.4330, 10.4567, 4.4314
YIQ	61.1720, 92.3300, 55.8020

# Conversions

## Conversions Part 2

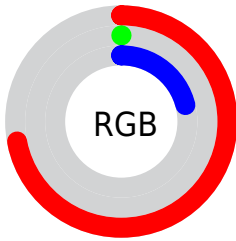
Format	Color
<a href="#">RYB</a>	<a href="#">184, 0, 54</a>
Decimal	<a href="#">12058678</a>
CIELab	<a href="#">38.65, 63.97, 25.43</a>
CIElCh	<a href="#">39, 68.835, 21.680</a>
Yxy	<a href="#">10.4567, 0.5785, 0.2960</a>
Android (android.graphics.Color)	<a href="#">4290248758</a> ( <a href="#">0xFFB80036</a> )
YUV	<a href="#">61.1720, -3.5358, 107.7202</a>
Hunter-Lab	<a href="#">32.3368, 56.2014, 14.5107</a>

# Details

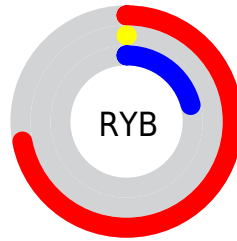
The Hex color **B80036** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **00B882**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **F75164**, and **7A000C** is the 20% darker color. If you saturate the color by 10%, you get **B80036**, and if you desaturate by 10%, it is **B81243**.

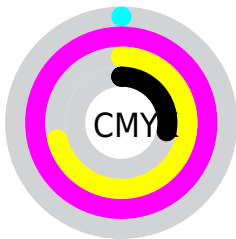
# Distribution



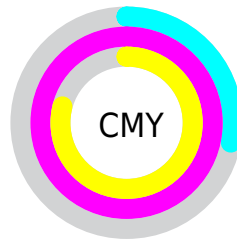
- Red (72%)
- Green (0%)
- Blue (21%)



- Red (72%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (28%)



- Cyan (28%)
- Magenta (100%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B80036 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 B80036 by changing the saturation by 10% instead.



 B80036

 B80036

FFFFFF

 990021

 F75164

 7A000C

 FF6F7D

 5C0000

 FF8B97

 400003

 FFA8B2

 1C0001

 FFC5CD

 000000

 FFE3E9

 B80036

 B81243

 B82550

 B8375D

 B84A6A

 B85C77

 B86E84

 B88191

 B8939E

 B8A6AB

# Harmonies

## Analogous

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



B3006D



B80036



A33700

# Triad

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



B80036



006D03



0067CB

# Complementary

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



B80036



00B882

# 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.



0070B3



B80036



007149

# Square

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



B80036



496400



007283



1753C5

# Rectangle

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



B80036



8B4B00



007283



006BC6



# Sweetspot

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



B80036



F0A8BD



8100B8



784D59



F7F7F7



787878



# Same Dimension

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



B80036



F00046



B82500



5C5355



9C002E



1C0008



# Inverse Universe

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



B80036



F00046



0093B8



5C5355



9C002E



1C0008



# Previews

## White Background



This preview shows how the Hex color B80036 looks on a white background.

## Color Contrast Check

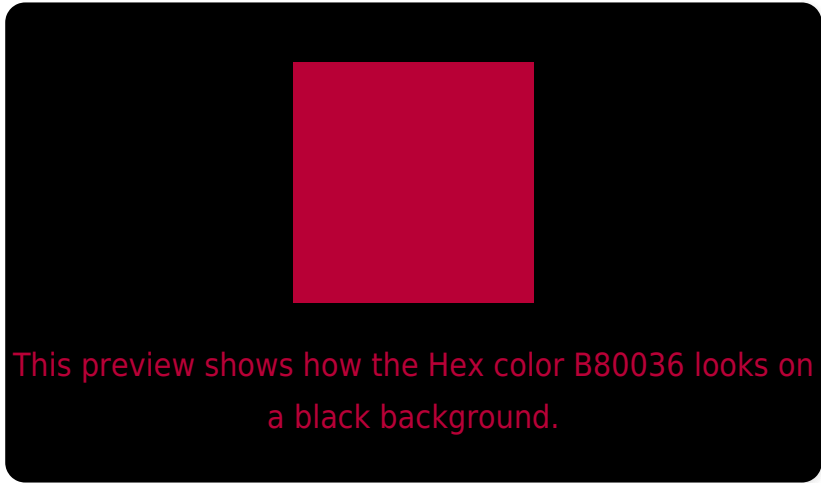
Large Text (above 18pt) WCAG AA ✓ Pass

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 B80036 Background



This preview shows how black text looks on a background with the Hex color B80036.

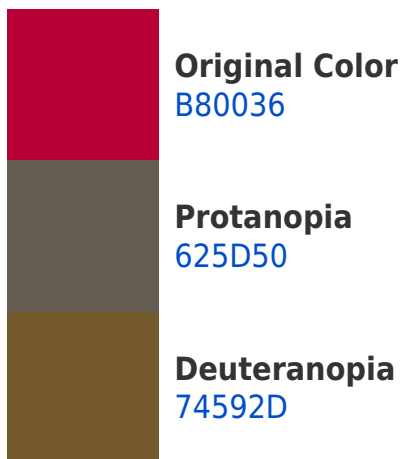


This preview shows how white text looks on a background with the Hex color B80036.

# 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](#).

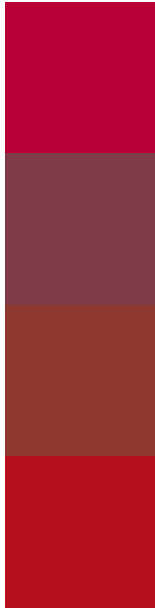
## Dichromacy





**Tritanopia**  
B71611

# Trichromacy



**Original Color**  
B80036

**Protanomaly**  
813B47

**Deuteranomaly**  
8D3930

**Tritanomaly**  
B70E1E

# Monochromacy



**Original Color**  
B80036

**Achromatopsia**  
3D3D3D

**Achromatomaly**  
6A273A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B80036 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 #B80036 looks like.

```
.text, #text, p{  
    color:#B80036  
}
```

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 #B80036 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B80036
}
```

## Border

The CSS property to change the border of an element to Hex B80036 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".

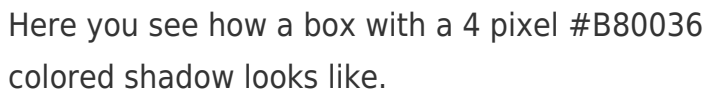
```
.border, #border, table{ border:4px solid
#B80036 }
```

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

```
.border{ border-color:#B80036 }
```

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

Here you see how a box with a 4 pixel #B80036 colored shadow looks like.

A rectangular box with a thick red border and a red shadow. The shadow is cast to the right and bottom of the box, creating a 3D effect. The text inside the box is black and reads: "Here you see how a box with a 4 pixel #B80036 colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B80036; -webkit-box-shadow:4px 4px  
4px 4px #B80036; box-shadow:4px 4px 4px  
4px #B80036 }
```

# Background

The CSS property to change the background color of an element to Hex B80036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B80036 }
```

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

```
.background{ background-color:#B80036 }
```

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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