

# Converting Colors

Hex(B8002E)

Have a look what the booklet for  
Hex(B8002E) contains.

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# Color

**Hex(B8002E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8002E
RGB	184, 0, 46
RGB Percent	72%, 0%, 18%
CMY	0.2784, 1.0000, 0.8196
CMYK	0.00, 1.00, 0.75, 0.28
HSL	345°, 100%, 36%
HSV	345°, 100%, 72%
XYZ	20.2603, 10.3876, 3.5219
YIQ	60.2600, 94.8980, 53.3140

# Conversions

## Conversions Part 2

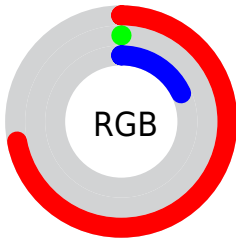
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">184, 0, 46</a>
Decimal	<a href="#">12058670</a>
CIELab	<a href="#">38.53, 63.64, 30.29</a>
CIELCh	<a href="#">39, 70.481, 25.454</a>
Yxy	<a href="#">10.3876, 0.5929, 0.3040</a>
Android (android.graphics.Color)	<a href="#">4290248750 (0xFFB8002E)</a>
YUV	<a href="#">60.2600, -7.0302, 108.5200</a>
Hunter-Lab	<a href="#">32.2298, 55.8065, 16.0819</a>

# Details

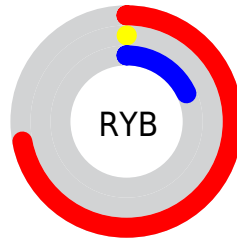
The Hex color **B8002E** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **00B88A**, and the grayscale version is **3C3C3C**.

A 20% lighter version of the original color is **F7515C**, and **7A0000** is the 20% darker color. If you saturate the color by 10%, you get **B8002E**, and if you desaturate by 10%, it is **B8123C**.

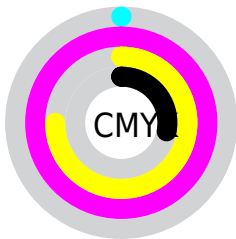
# Distribution



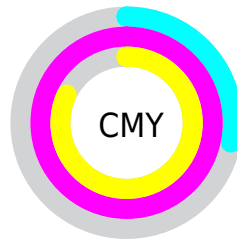
- Red (72%)
- Green (0%)
- Blue (18%)



- Red (72%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (75%)
- Black (28%)



- Cyan (28%)
- Magenta (100%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B8002E 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 B8002E by changing the saturation by 10% instead.



 B8002E

 B8002E

FFFFFF

 990019

 F7515C

 7A0000

 FF6E74

 5B0000

 FF8B8E

 3F0003

 FFA8A8

 1B0001

 FFC5C4

 000000

 FFE2DF

FFFFFFC

 B8002E

 B8123C

 B8254A

 B83757

 B84A65

 B85C73

 B86E81

 B8818F

 B8939C

 B8A6AA

# Harmonies

## Analogous

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



B70066



B8002E



A03A00

# Triad

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



B8002E



006E0D



0065CF

# Complementary

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



B8002E



00B88A

# 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.



006FB9



B8002E



007150

# Square

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



B8002E



406600



00728B



3450C4

# Rectangle

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



B8002E



864E00



00728B



006ACB



# Sweetspot

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



B8002E



F0A8BA



8A00B8



784D57



F7F7F7



787878



# Same Dimension

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



B8002E



F0003C



B82E00



5C5355



9C0027



1C0007



# Inverse Universe

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



B8002E



F0003C



008AB8



5C5355



9C0027



1C0007



# Previews

## White Background



This preview shows how the Hex color B8002E looks on a white background.

## Color Contrast Check

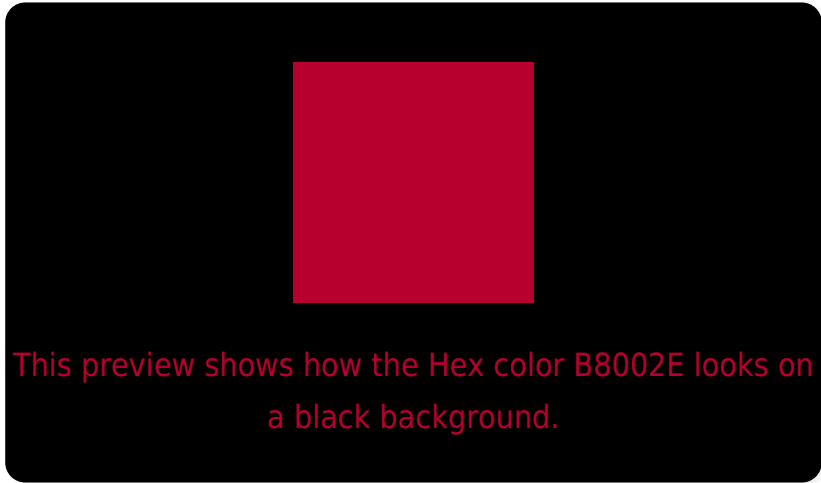
Large Text (above 18pt) WCAG AA ✓ Pass

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 B8002E Background



This preview shows how black text looks on a background with the Hex color B8002E.



This preview shows how white text looks on a background with the Hex color B8002E.

# 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



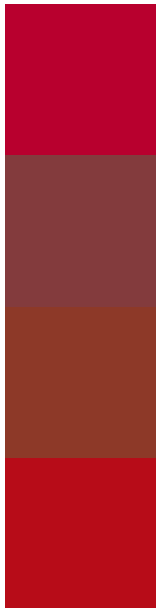
**Original Color**  
B8002E

**Protanopia**  
645D45

**Deuteranopia**  
745924



# Trichromacy



**Original Color**  
B8002E

**Protanomaly**  
833B3D

**Deuteranomaly**  
8D3928

**Tritanomaly**  
B70C18

# Monochromacy



**Original Color**  
B8002E

**Achromatopsia**  
3C3C3C

**Achromatomaly**  
692637

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B8002E 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 #B8002E looks like.

```
.text, #text, p{  
  color:#B8002E  
}
```

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 #B8002E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B8002E
}
```

## Border

The CSS property to change the border of an element to Hex B8002E is called "border". The border property can be set on classes, ids or directly on the HTML element.

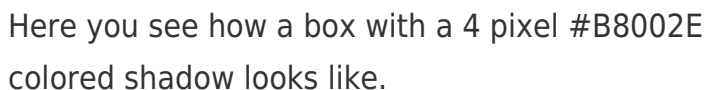
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B8002E }
```

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

```
.border{ border-color:#B8002E }
```

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



Here you see how a box with a 4 pixel #B8002E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B8002E; -webkit-box-shadow:4px 4px  
4px 4px #B8002E; box-shadow:4px 4px 4px  
4px #B8002E }
```

# Background

The CSS property to change the background color of an element to Hex B8002E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B8002E }
```

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

```
.background{ background-color:#B8002E }
```

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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