

# Converting Colors

Hex(B40047)

Have a look what the booklet for  
Hex(B40047) contains.

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# Color

**Hex(B40047)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B40047
RGB	180, 0, 71
RGB Percent	71%, 0%, 28%
CMY	0.2941, 1.0000, 0.7216
CMYK	0.00, 1.00, 0.61, 0.29
HSL	336°, 100%, 35%
HSV	336°, 100%, 71%
XYZ	19.9597, 10.1582, 6.8700
YIQ	61.9140, 84.4890, 60.2410

# Conversions

## Conversions Part 2

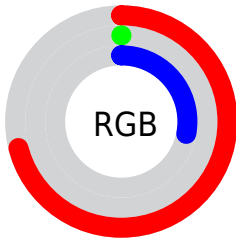
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 0, 71
Decimal	11796551
CIE Lab	38.12, 63.90, 13.70
CIE LCh	38, 65.350, 12.099
Yxy	10.1582, 0.5396, 0.2746
Android (android.graphics.Color)	4289986631 (0xFFB40047)
YUV	61.9140, 4.4794, 103.5614
Hunter-Lab	31.8720, 56.0091, 9.5305

# Details

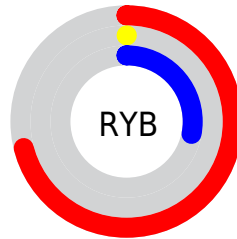
The Hex color **B40047** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **00B46D**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **F25177**, and **77001D** is the 20% darker color. If you saturate the color by 10%, you get **B40047**, and if you desaturate by 10%, it is **B41252**.

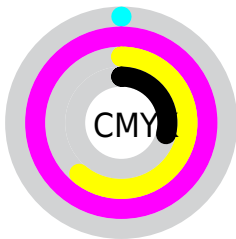
# Distribution



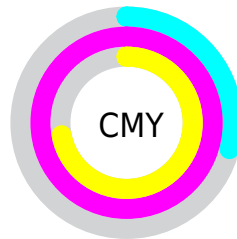
- Red (71%)
- Green (0%)
- Blue (28%)



- Red (71%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (29%)



- Cyan (29%)
- Magenta (100%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B40047 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 B40047 by changing the saturation by 10% instead.



 B40047

 B40047

FFFFFF

 960031

 F25177

 77001D

 FF6E91

 5A0001

 FF8BAB

 3E0003

 FFA8C6

 1A0001

 FFC5E2

 000000

 FFE2FF

 B40047

 B41252

 B4245D

 B43668

 B44873

 B45A7E

 B46C88

 B47E93

 B4909E

 B4A2A9

# Harmonies

## Analogous

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



A6177C



B40047



A72D12

# Triad

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



B40047



106900



0069C0

# Complementary

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



B40047



00B46D

# 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.



006FA0



B40047



006E37

# Square

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



B40047



5B5E00



00706F



005AC3

# Rectangle

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



B40047



934300



00706F



006CB8



# Sweetspot

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



B40047



EBA4C0



6C00B4



754B5C



F5F5F5



757575



# Same Dimension

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



B40047



EB005D



B41200



595054



99003C



1A000A



# Inverse Universe

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



B40047



EB005D



00A2B4



595054



99003C



1A000A



# Previews

## White Background



This preview shows how the Hex color B40047 looks on a white background.

## Color Contrast Check

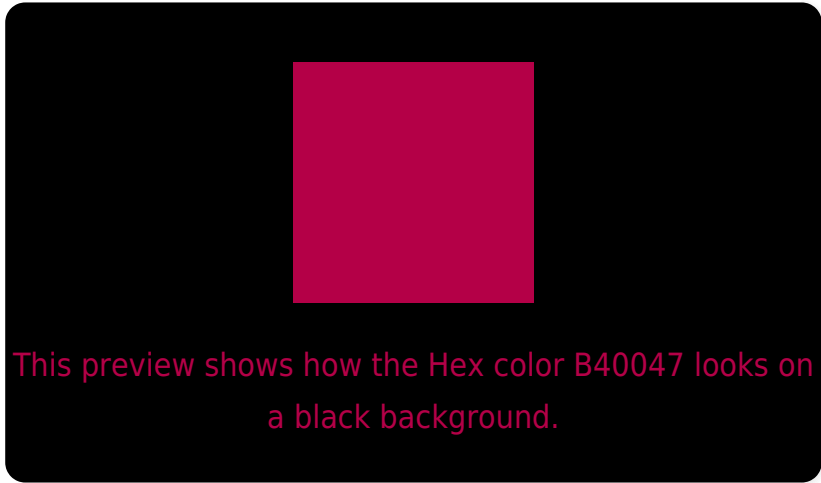
Large Text (above 18pt) WCAG AA ✓ Pass

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 B40047 Background



This preview shows how black text looks on a background with the Hex color B40047.

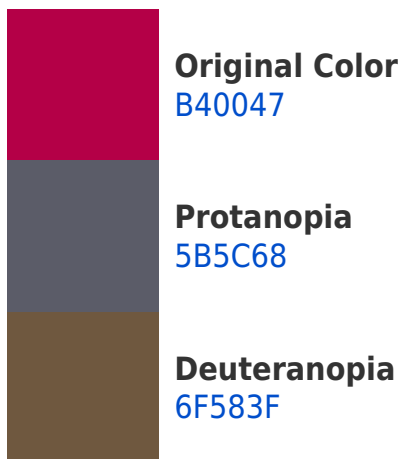


This preview shows how white text looks on a background with the Hex color B40047.

# 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**  
B21C1B

# Trichromacy



**Original Color**  
B40047

**Protanomaly**  
7B3B5C

**Deuteranomaly**  
883842

**Tritanomaly**  
B3122B

# Monochromacy



**Original Color**  
B40047

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
692741

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B40047 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 #B40047 looks like.

```
.text, #text, p{  
    color:#B40047  
}
```

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 #B40047 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B40047
}
```

## Border

The CSS property to change the border of an element to Hex B40047 is called "border". The border property can be set on classes, ids or directly on the HTML element.

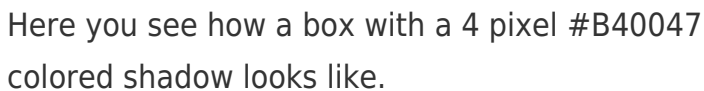
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B40047 }
```

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

```
.border{ border-color:#B40047 }
```

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



Here you see how a box with a 4 pixel #B40047 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B40047; -webkit-box-shadow:4px 4px  
4px 4px #B40047; box-shadow:4px 4px 4px  
4px #B40047 }
```

# Background

The CSS property to change the background color of an element to Hex B40047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B40047 }
```

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

```
.background{ background-color:#B40047 }
```

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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