

# Converting Colors

Hex(B00062)

Have a look what the booklet for  
Hex(B00062) contains.

<b>Hex(B00062)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(B00062)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B00062
RGB	176, 0, 98
RGB Percent	69%, 0%, 38%
CMY	0.3098, 1.0000, 0.6157
CMYK	0.00, 1.00, 0.44, 0.31
HSL	327°, 100%, 35%
HSV	327°, 100%, 69%
XYZ	20.1091, 10.1119, 12.4472
YIQ	63.7960, 73.4380, 67.7900

# Conversions

## Conversions Part 2

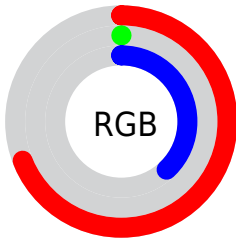
Format	Color
R <sub>Y</sub> B	176, 0, 98
Decimal	11534434
CIE Lab	38.04, 64.99, -3.89
CIE LCh	38, 65.109, 356.576
Yxy	10.1119, 0.4713, 0.2370
Android (android.graphics.Color)	4289724514 (0xFFB00062)
YUV	63.7960, 16.8626, 98.4029
Hunter-Lab	31.7993, 57.2303, -0.9484

# Details

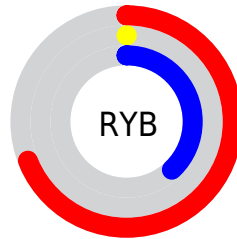
The Hex color **B00062** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **00B04E**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **EC5195**, and **750034** is the 20% darker color. If you saturate the color by 10%, you get **B00062**, and if you desaturate by 10%, it is **B0126A**.

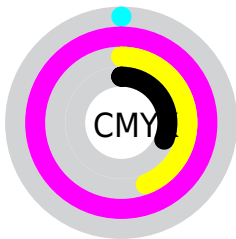
# Distribution



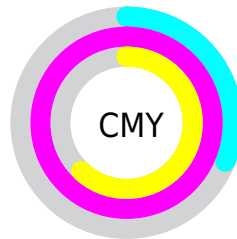
- Red (69%)
- Green (0%)
- Blue (38%)



- Red (69%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (44%)
- Black (31%)



- Cyan (31%)
- Magenta (100%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B00062 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 B00062 by changing the saturation by 10% instead.



 B00062

 B00062

FFFFFF

 92004A

 EC5195

 750034

 FF6EAF

 58001F

 FF8BCA

 3E0004

 FFA8E7

 1A0001

 FFC5FF

 000000

 FFE2FF

 B00062

 B0126A

 B02372

 B03579

 B04681

 B05889

 B06A91

 B07B99

 B08DA0

 B09EA8

# Harmonies

## Analogous

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



912E95



B00062



B0182E

# Triad

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



B00062



406400



006CB2

# Complementary

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



B00062



00B04E

# 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.



007088



B00062



006C18

# Square

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



B00062



735500



006F52



0063C4

# Rectangle

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



B00062



A33208



006F52



006EA6



# Sweetspot

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



B00062



E6A1C7



4C00B0



734960



F2F2F2



737373



# Same Dimension

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



B00062



E60080



B0000C



595055



990055



1A000E



# Inverse Universe

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



B00062



E60080



00B0A4



595055



990055



1A000E



# Previews

## White Background



This preview shows how the Hex color B00062 looks on a white background.

## Color Contrast Check

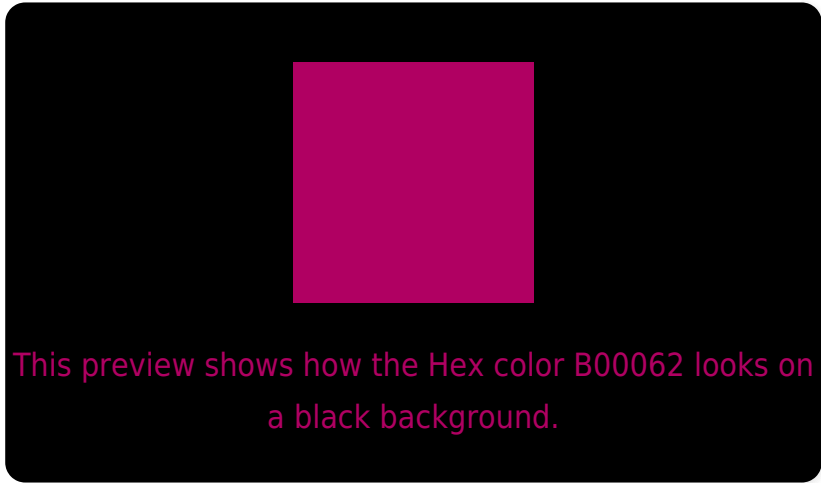
Large Text (above 18pt) WCAG AA ✓ Pass

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 B00062 Background



This preview shows how black text looks on a background with the Hex color B00062.

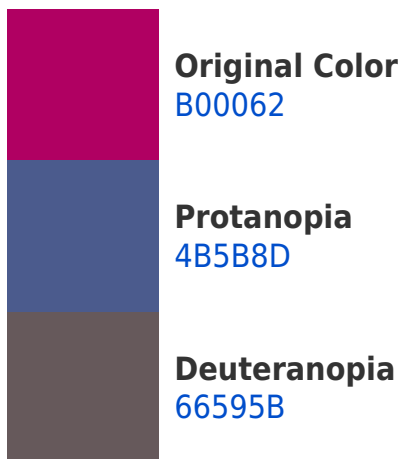


This preview shows how white text looks on a background with the Hex color B00062.

# 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





# Trichromacy



**Original Color**  
B00062



**Protanomaly**  
703A7D



**Deuteranomaly**  
81395E



**Tritanomaly**  
AE193D

# Monochromacy



**Original Color**  
B00062



**Achromatopsia**  
404040



**Achromatomaly**  
69294C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B00062 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 #B00062 looks like.

```
.text, #text, p{  
    color:#B00062  
}
```

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 #B00062 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B00062
}
```

## Border

The CSS property to change the border of an element to Hex B00062 is called "border". The border property can be set on classes, ids or directly on the HTML element.

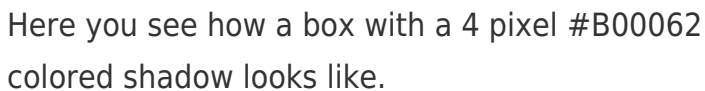
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B00062 }
```

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

```
.border{ border-color:#B00062 }
```

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



Here you see how a box with a 4 pixel #B00062 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B00062; -webkit-box-shadow:4px 4px  
4px 4px #B00062; box-shadow:4px 4px 4px  
4px #B00062 }
```

# Background

The CSS property to change the background color of an element to Hex B00062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B00062 }
```

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

```
.background{ background-color:#B00062 }
```

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](#).



Hey! You found this booklet  
interesting? Support Converting  
Colors with the new Membership  
Option!

The pro membership hides all ads, plus gives you  
double the colors in the color bucket, and more  
awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**