

# Converting Colors

Hex(B03ECA)

Have a look what the booklet for  
Hex(B03ECA) contains.

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# Color

**Hex(B03ECA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B03ECA
RGB	176, 62, 202
RGB Percent	69%, 24%, 79%
CMY	0.3098, 0.7569, 0.2078
CMYK	0.13, 0.69, 0.00, 0.21
HSL	289°, 57%, 52%
HSV	289°, 69%, 79%
XYZ	30.2878, 16.9396, 57.5504
YIQ	112.0460, 23.0040, 67.7080

# Conversions

## Conversions Part 2

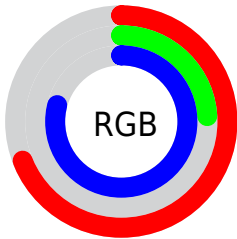
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 62, 202
Decimal	11550410
CIE <sub>Lab</sub>	48.18, 64.86, -51.04
CIE <sub>LCh</sub>	48, 82.539, 321.799
Yxy	16.9396, 0.2891, 0.1617
Android (android.graphics.Color)	4289740490 (0xFFB03ECA)
YUV	112.0460, 44.3473, 56.0877
Hunter-Lab	41.1578, 59.3311, -54.0941

# Details

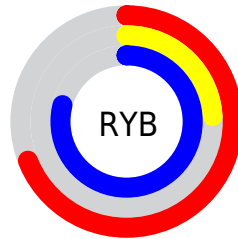
The Hex color **B03ECA** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **58CA3E**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **EB77FF**, and **770093** is the 20% darker color. If you saturate the color by 10%, you get **AC2ACA**, and if you desaturate by 10%, it is **B452CA**.

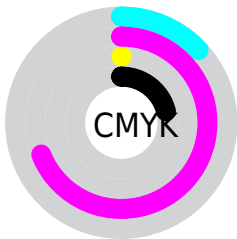
# Distribution



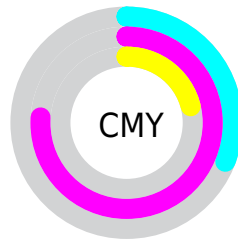
- Red (69%)
- Green (24%)
- Blue (79%)



- Red (69%)
- Yellow (24%)
- Blue (79%)



- Cyan (13%)
- Magenta (69%)
- Yellow (0%)
- Black (21%)



- Cyan (31%)
- Magenta (76%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B03ECA 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 B03ECA by changing the saturation by 10% instead.



 B03ECA

 B03ECA

FFFFFF

 931DAE

 EB77FF

 770093

 FF93FF

 5C0079

 FFAFFF

 40005F

 FFCCFF

 270047

 FFE9FF

 00002F

 000119

 000000

 B03ECA

 B03ECA

■ AC2ACA

■ B452CA

■ A816CA

■ B866CA

■ A501CA

■ BB7BCA

■ A400CA

■ BF8FCA

■ C3A3CA

■ C7B7CA

■ CACBCA

■ CEE0CA

■ D2F4CA

# Harmonies

## Analogous

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



1769F6



B03ECA



E00089

# Triad

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



B03ECA



9C6900



008FA5

# Complementary

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



B03ECA



58CA3E

# 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.



008E5C



B03ECA



5B7E00

# Square

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



B03ECA



CB4500



008900



008CE0

# Rectangle

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



B03ECA



E8005B



008900



008F8D



# Sweetspot

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



B03ECA



F5C9FF



3E5ACA



7A6080



000000



808080



# Same Dimension

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



B03ECA



D82BFF



CA3EA0



645C66



8700A6



1F0026



# Inverse Universe

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



CA3E58



FF2B53



3ECA68



665C5E



A6001F



260007



# Previews

## White Background



This preview shows how the Hex color B03ECA looks on a white background.

## Color Contrast Check

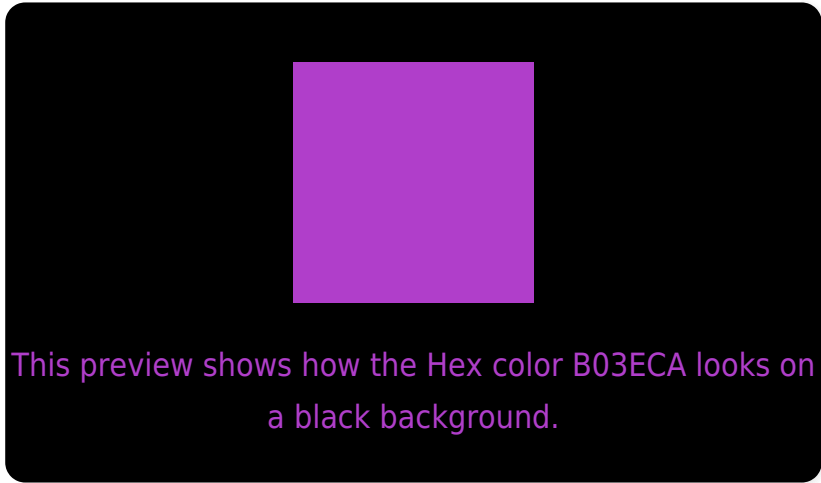
Large Text (above 18pt) WCAG AA ✓ Pass

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

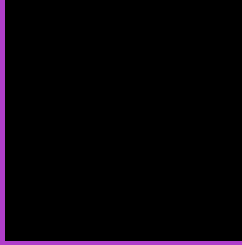
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex B03ECA Background



This preview shows how black text looks on a background with the Hex color B03ECA.

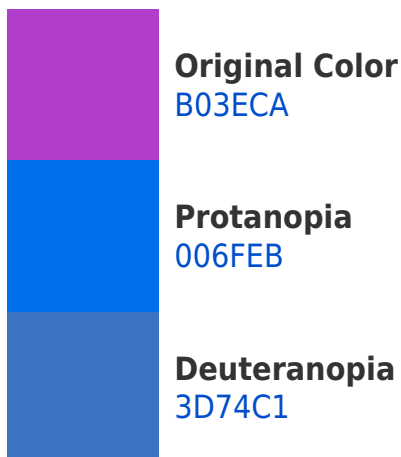


This preview shows how white text looks on a background with the Hex color B03ECA.

# 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](#).

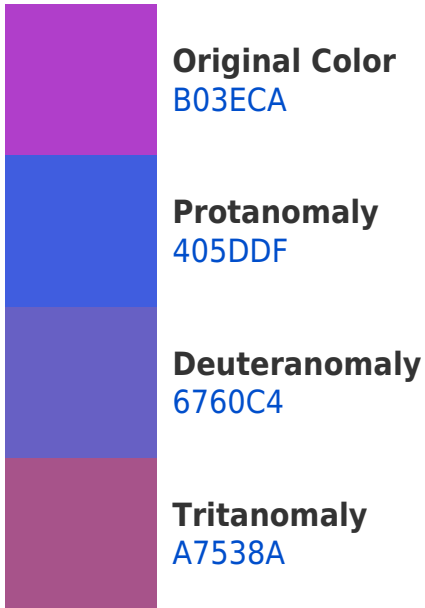
## Dichromacy



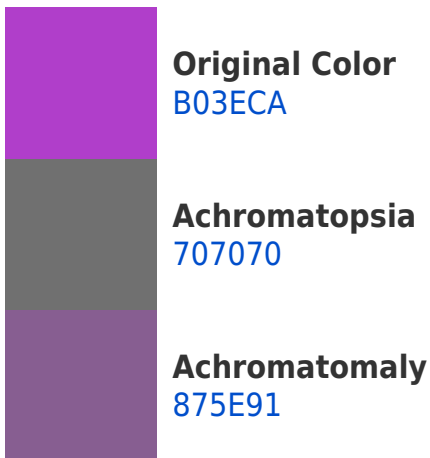


**Tritanopia**  
A25F66

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B03ECA 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 #B03ECA looks like.

```
.text, #text, p{  
    color:#B03ECA  
}
```

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 #B03ECA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B03ECA
}
```

## Border

The CSS property to change the border of an element to Hex B03ECA 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".

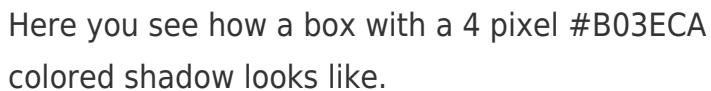
```
.border, #border, table{ border:4px solid
#B03ECA }
```

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

```
.border{ border-color:#B03ECA }
```

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

Here you see how a box with a 4 pixel #B03ECA colored shadow looks like.

A rectangular box with a purple border and a purple shadow. The box is white with a thin purple border on the top and left sides, and a thicker purple shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B03ECA; -webkit-box-shadow:4px 4px  
4px 4px #B03ECA; box-shadow:4px 4px 4px  
4px #B03ECA }
```

# Background

The CSS property to change the background color of an element to Hex B03ECA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B03ECA }
```

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

```
.background{ background-color:#B03ECA }
```

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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