

# Converting Colors

Hex(B559DD)

Have a look what the booklet for  
Hex(B559DD) contains.

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# Color

Hex(B559DD)

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | B559DD                     |
| RGB         | 181, 89, 221               |
| RGB Percent | 71%, 35%, 87%              |
| CMY         | 0.2902, 0.6510, 0.1333     |
| CMYK        | 0.18, 0.60, 0.00, 0.13     |
| HSL         | 282°, 66%, 61%             |
| HSV         | 282°, 60%, 87%             |
| XYZ         | 35.6796, 22.1890, 70.8090  |
| YIQ         | 131.5560, 12.4600, 60.5560 |

# Conversions

## Conversions Part 2

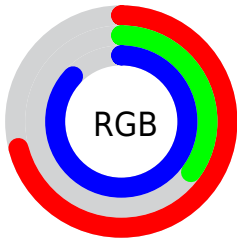
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 181, 89, 221                  |
| Decimal                             | 11885021                      |
| CIELab                              | 54.23, 57.98, -52.20          |
| CIELCh                              | 54, 78.017, 318.008           |
| Yxy                                 | 22.1890, 0.2773,<br>0.1724    |
| Android<br>(android.graphics.Color) | 4290075101<br>(0xFFB559DD)    |
| YUV                                 | 131.5560, 44.0959,<br>43.3624 |
| Hunter-Lab                          | 47.1052, 52.7699,<br>-56.1517 |

# Details

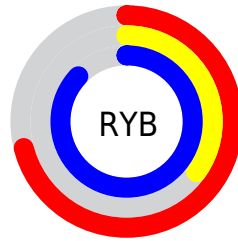
The Hex color **B559DD** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **81DD59**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **F08FFF**, and **7D21A5** is the 20% darker color. If you saturate the color by 10%, you get **AE43DD**, and if you desaturate by 10%, it is **BC6FDD**.

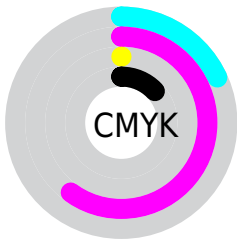
# Distribution



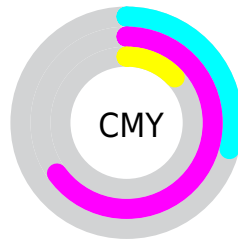
- Red (71%)
- Green (35%)
- Blue (87%)



- Red (71%)
- Yellow (35%)
- Blue (87%)



- Cyan (18%)
- Magenta (60%)
- Yellow (0%)
- Black (13%)



- Cyan (29%)
- Magenta (65%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B559DD 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 B559DD by changing the saturation by 10% instead.



 B559DD

 B559DD

FFFFFF

 993EC1

 F08FFF

 7D21A5

 FFABFF

 61008A

 FFC7FF

 450070

 FFE4FF

 2A0057

 0A003F

 000328

 000111

 000000

 B559DD

 B559DD

 AE43DD

 BC6FDD

 A82DDD

 C285DD

 A117DD

 C99BDD

 9A01DD

 D0B1DD

 9A00DD

 D6C8DD

 DDDEDD

 E4F4DD

 EBFFDD

 F1FFDD

# Harmonies

## Analogous

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



1F7CFF



B559DD



EA30A0

# Triad

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



B559DD



B37500



009FAA

# Complementary

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



B559DD



81DD59

# 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.



009D63



B559DD



778B00

# Square

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



B559DD



E05419



009716



009CE5

# Rectangle

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



B559DD



F62673



009716



009F93



# Sweetspot

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



B559DD



F1D1FF



5983DD



776380



000000



808080



# Same Dimension

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



B559DD



C747FF



DD59C5



6A636E



7900AD



20002E



# Inverse Universe

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



DD5981



FF477F



59DD71



6E6366



AD0035

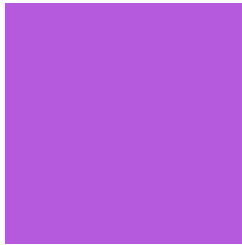


2E000E



# Previews

## White Background



This preview shows how the Hex color B559DD looks on a white 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

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

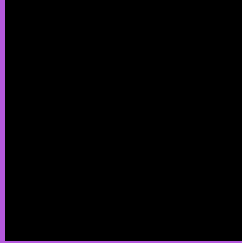
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex B559DD Background



This preview shows how black text looks on a background with the Hex color B559DD.

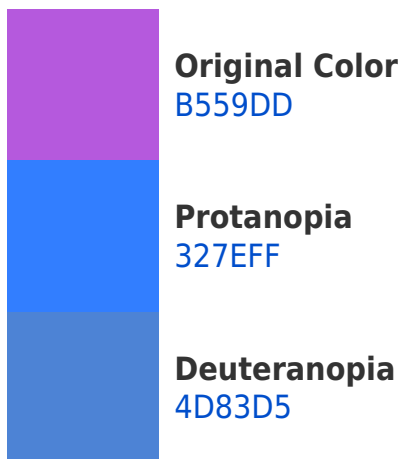


This preview shows how white text looks on a background with the Hex color B559DD.

# 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](#).

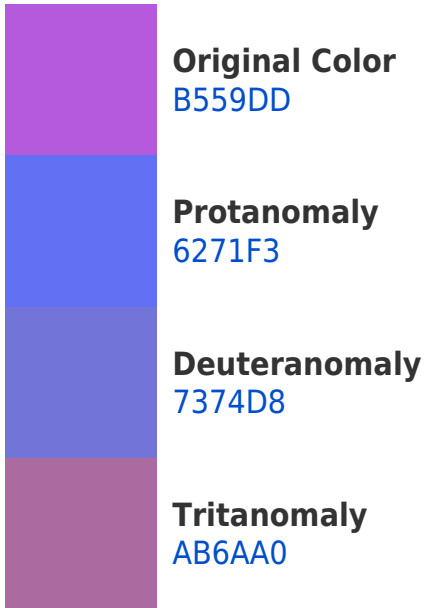
## Dichromacy



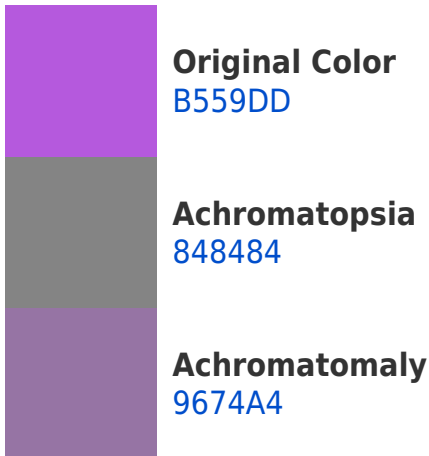


**Tritanopia**  
A6747D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B559DD 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 #B559DD looks like.

```
.text, #text, p{  
    color:#B559DD  
}
```

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 #B559DD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B559DD
}
```

## Border

The CSS property to change the border of an element to Hex B559DD is called "border". The border property can be set on classes, ids or directly on the HTML element.

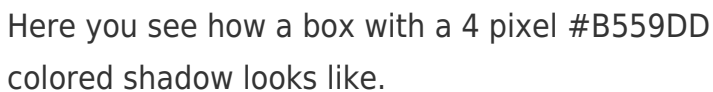
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B559DD }
```

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

```
.border{ border-color:#B559DD }
```

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



Here you see how a box with a 4 pixel #B559DD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B559DD; -webkit-box-shadow:4px 4px  
4px 4px #B559DD; box-shadow:4px 4px 4px  
4px #B559DD }
```

# Background

The CSS property to change the background color of an element to Hex B559DD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B559DD }
```

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

```
.background{ background-color:#B559DD }
```

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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