

Converting Colors

Hex(BB22DD)

Have a look what the booklet for
Hex(BB22DD) contains.

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Color

Hex(BB22DD)

Conversions

Conversions Part 1

Format	Color
Hex	BB22DD
RGB	187, 34, 221
RGB Percent	73%, 13%, 87%
CMY	0.2667, 0.8667, 0.1333
CMYK	0.15, 0.85, 0.00, 0.13
HSL	289°, 73%, 50%
HSV	289°, 85%, 87%
XYZ	34.1167, 16.9293, 69.8761
YIQ	101.0650, 31.1610, 90.5930

Conversions

Conversions Part 2

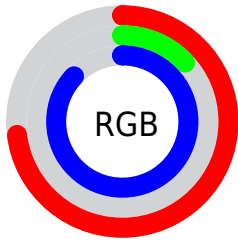
Format	Color
R_{YB}	187, 34, 221
Decimal	12264157
CIE _{Lab}	48.17, 78.74, -61.87
CIE _{LCh}	48, 100.144, 321.841
Yxy	16.9293, 0.2821, 0.1400
Android (android.graphics.Color)	4290454237 (0xFFBB22DD)
YUV	101.0650, 59.1280, 75.3650
Hunter-Lab	41.1452, 76.0039, -71.8894

Details

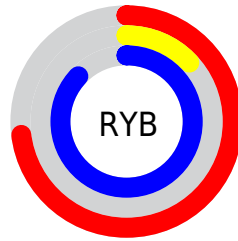
The Hex color **BB22DD** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **44DD22**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **F766FF**, and **8000A5** is the 20% darker color. If you saturate the color by 10%, you get **B70CDD**, and if you desaturate by 10%, it is **BF38DD**.

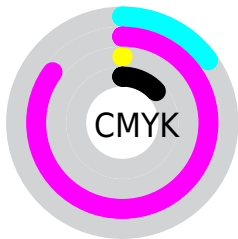
Distribution



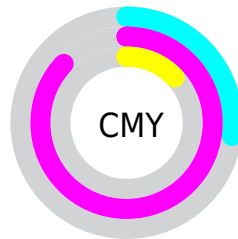
- Red (73%)
- Green (13%)
- Blue (87%)



- Red (73%)
- Yellow (13%)
- Blue (87%)



- Cyan (15%)
- Magenta (85%)
- Yellow (0%)
- Black (13%)



- Cyan (27%)
- Magenta (87%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Hex color BB22DD 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 BB22DD by changing the saturation by 10% instead.

 BB22DD

 BB22DD

FFFFFF

 9D00C1

 F766FF

 8000A5

 FF83FF

 63008A

 FFA1FF

 46006F

 FFBEFF

 2B0056

 FFDCFF

 00003E

 FFFAFF

 000327

 000110

 000000

 BB22DD

 BB22DD

 B70CDD

 BF38DD

 B500DD

 C34EDD

 C764DD

 CB7ADD

 CF91DD

 D3A7DD

 D7BDDD

 DBD3DD

 DFE9DD

Harmonies

Analogous

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



0068FF



BB22DD



F5008D

Triad

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



BB22DD



9F6700



0093B0

Complementary

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



BB22DD



44DD22

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.



009158



BB22DD



4F8000

Square

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



BB22DD



D93200



008C00



0091F9

Rectangle

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



BB22DD



FD0056



008C00



009293

Sweetspot

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



BB22DD



F3BFFF



2244DD



795980



000000



808080

Same Dimension

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



BB22DD



D100FF



DD22A2



6C636E



8E00AD



26002E

Inverse Universe

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



DD2244



FF002E



22DD5D



6E6365



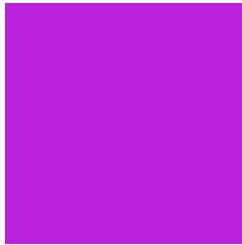
AD0020



2E0008

Previews

White Background



This preview shows how the Hex color BB22DD looks on a white background.

Color Contrast Check

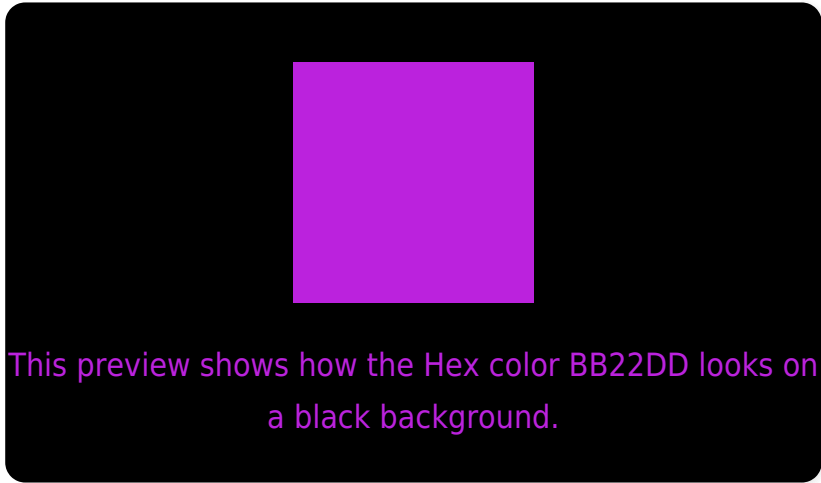
Large Text (above 18pt) WCAG AA ✓ Pass

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 BB22DD Background



This preview shows how black text looks on a background with the Hex color BB22DD.

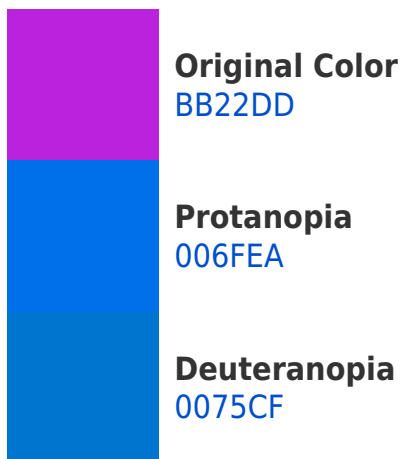


This preview shows how white text looks on a background with the Hex color BB22DD.

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](#).

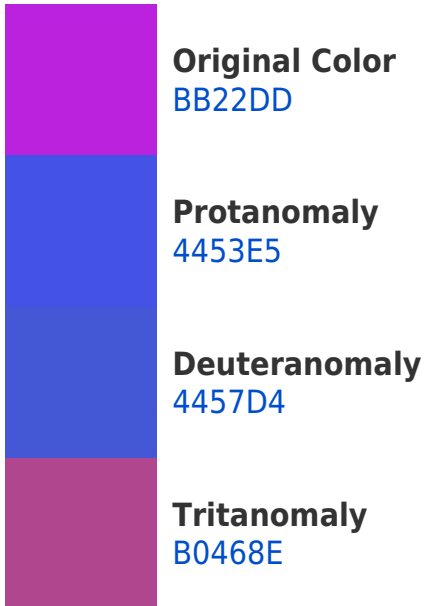
Dichromacy



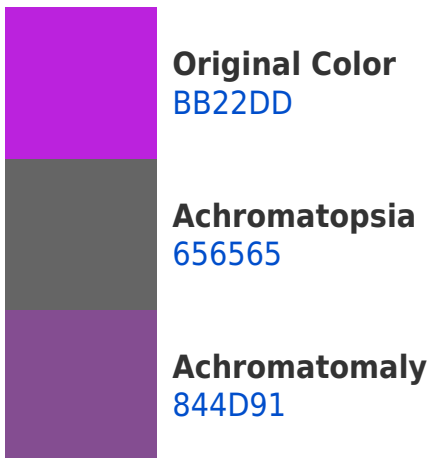


Tritanopia
AA5B61

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex BB22DD 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 #BB22DD looks like.

```
.text, #text, p{  
    color:#BB22DD  
}
```

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 #BB22DD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BB22DD
}
```

Border

The CSS property to change the border of an element to Hex BB22DD 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
#BB22DD }
```

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

```
.border{ border-color:#BB22DD }
```

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

Here you see how a box with a 4 pixel #BB22DD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BB22DD; -webkit-box-shadow:4px 4px  
4px 4px #BB22DD; box-shadow:4px 4px 4px  
4px #BB22DD }
```

Background

The CSS property to change the background color of an element to Hex BB22DD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BB22DD }
```

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

```
.background{ background-color:#BB22DD }
```

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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