

# Converting Colors

Hex(BD3DA4)

Have a look what the booklet for  
Hex(BD3DA4) contains.

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# Color

**Hex(BD3DA4)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD3DA4
RGB	189, 61, 164
RGB Percent	74%, 24%, 64%
CMY	0.2588, 0.7608, 0.3569
CMYK	0.00, 0.68, 0.13, 0.26
HSL	312°, 51%, 49%
HSV	312°, 68%, 74%
XYZ	29.3558, 16.8366, 36.8245
YIQ	111.0140, 43.2250, 59.1690

# Conversions

## Conversions Part 2

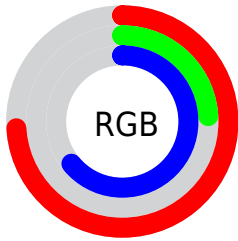
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 61, 164
Decimal	12402084
CIELab	48.05, 61.89, -28.91
CIELCh	48, 68.304, 334.962
Yxy	16.8366, 0.3536, 0.2028
Android (android.graphics.Color)	4290592164 (0xFFBD3DA4)
YUV	111.0140, 26.1221, 68.3937
Hunter-Lab	41.0325, 55.8974, -24.4870

# Details

The Hex color **BD3DA4** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **3DBD56**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **F876DB**, and **840070** is the 20% darker color. If you saturate the color by 10%, you get **BD2AA0**, and if you desaturate by 10%, it is **BD50A8**.

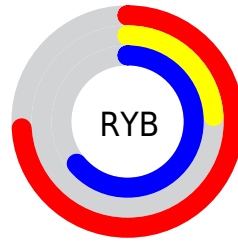
# Distribution



Red (74%)

Green (24%)

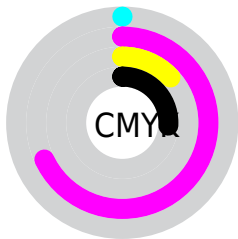
Blue (64%)



Red (74%)

Yellow (24%)

Blue (64%)

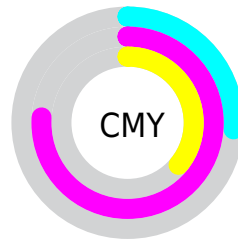


Cyan (0%)

Magenta (68%)

Yellow (13%)

Black (26%)



Cyan (26%)

Magenta (76%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BD3DA4 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 BD3DA4 by changing the saturation by 10% instead.



 BD3DA4

 BD3DA4

FFFFFF

 A01B89

 F876DB

 840070

 FF92F8

 680057

 FFAEFF

 4D003F

 FFCBFF

 350029

 FFE8FF

 100013

 000000

 BD3DA4

 BD3DA4

 BD2AA0

 BD50A8

 BD179D

 BD63AB

 BD0499

 BD76AF

 BD0098

 BD89B3

 BD9CB6

 BDAEBA

 BDC1BE

 BDD4C2

 BDE7C5

# Harmonies

## Analogous

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



7C5ED2



BD3DA4



D5296B

# Triad

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



BD3DA4



827300



008AB3

# Complementary

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



BD3DA4



3DBD56

# 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.



008B7A



BD3DA4



448100

# Square

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



BD3DA4



B05C00



00883E



0085DB

# Rectangle

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



BD3DA4



D43445



00883E



008BA1



# Sweetspot

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



BD3DA4



F5C4EB



543DBD



7A5D75



FAFAFA



7A7A7A



# Same Dimension

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



BD3DA4



F52FCE



BD3D66



5E555D



9E007F



1F0019



# Inverse Universe

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



BD3DA4



F52FCE



3DBD94



5E555D



9E007F



1F0019



# Previews

## White Background



This preview shows how the Hex color BD3DA4 looks on a white background.

## Color Contrast Check

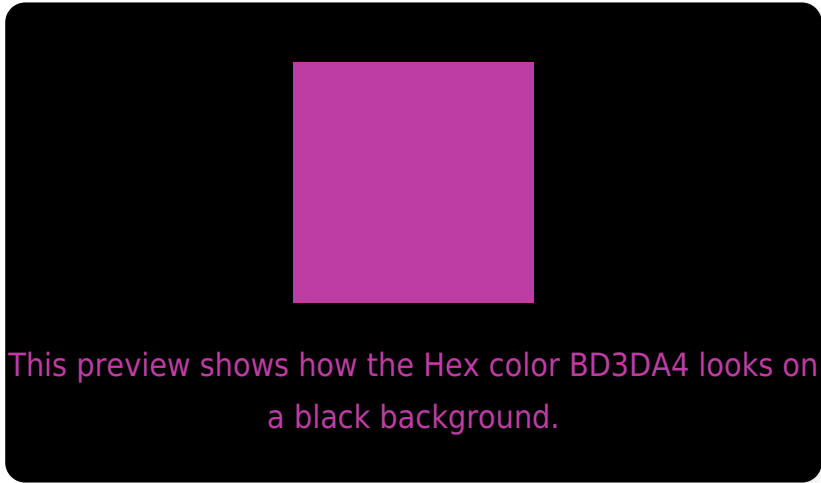
Large Text (above 18pt) WCAG AA ✓ Pass

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

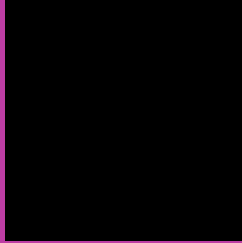
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex BD3DA4 Background



This preview shows how black text looks on a background with the Hex color BD3DA4.

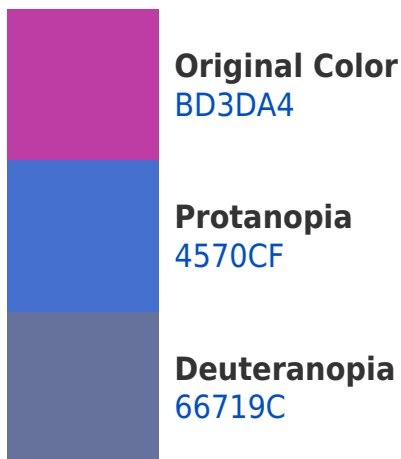


This preview shows how white text looks on a background with the Hex color BD3DA4.

# 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**  
B65359

# Trichromacy



**Original Color**  
BD3DA4



**Protanomaly**  
715DBF



**Deuteranomaly**  
865E9F



**Tritanomaly**  
B94B74

# Monochromacy



**Original Color**  
BD3DA4



**Achromatopsia**  
6F6F6F



**Achromatomaly**  
8B5D82

# CSS Examples

## Text

The CSS property to change the color of the text to Hex BD3DA4 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 #BD3DA4 looks like.

```
.text, #text, p{  
    color:#BD3DA4  
}
```

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 #BD3DA4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BD3DA4
}
```

## Border

The CSS property to change the border of an element to Hex BD3DA4 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
#BD3DA4 }
```

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

```
.border{ border-color:#BD3DA4 }
```

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

Here you see how a box with a 4 pixel #BD3DA4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BD3DA4; -webkit-box-shadow:4px 4px  
4px 4px #BD3DA4; box-shadow:4px 4px 4px  
4px #BD3DA4 }
```

# Background

The CSS property to change the background color of an element to Hex BD3DA4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BD3DA4 }
```

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

```
.background{ background-color:#BD3DA4 }
```

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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