

# Converting Colors

Hex(B24DDA)

Have a look what the booklet for  
Hex(B24DDA) contains.

<b>Hex(B24DDA)</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(B24DDA)

# Conversions

## Conversions Part 1

Format	Color
Hex	B24DDA
RGB	178, 77, 218
RGB Percent	70%, 30%, 85%
CMY	0.3020, 0.6980, 0.1451
CMYK	0.18, 0.65, 0.00, 0.15
HSL	283°, 66%, 58%
HSV	283°, 65%, 85%
XYZ	33.6689, 19.8347, 68.3836
YIQ	123.2730, 14.9350, 65.2630

# Conversions

## Conversions Part 2

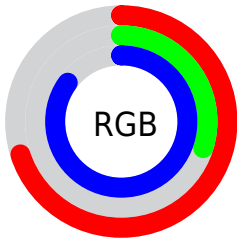
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 77, 218
Decimal	11685338
CIELab	51.65, 62.19, -54.64
CIELCh	52, 82.779, 318.697
Yxy	19.8347, 0.2762, 0.1627
Android (android.graphics.Color)	4289875418 (0xFFB24DDA)
YUV	123.2730, 46.7004, 47.9956
Hunter-Lab	44.5362, 57.0059, -59.8623

# Details

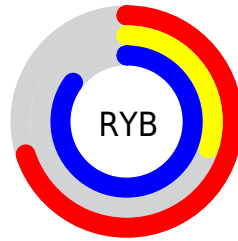
The Hex color **B24DDA** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **75DA4D**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **ED84FF**, and **790BA2** is the 20% darker color. If you saturate the color by 10%, you get **AC37DA**, and if you desaturate by 10%, it is **B863DA**.

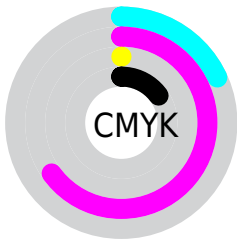
# Distribution



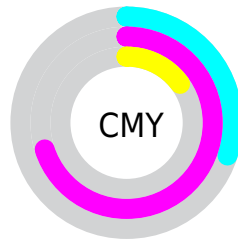
- Red (70%)
- Green (30%)
- Blue (85%)



- Red (70%)
- Yellow (30%)
- Blue (85%)



- Cyan (18%)
- Magenta (65%)
- Yellow (0%)
- Black (15%)



- Cyan (30%)
- Magenta (70%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B24DDA 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 B24DDA by changing the saturation by 10% instead.



 B24DDA

 B24DDA

FFFFFF

 9530BE

 ED84FF

 790BA2

 FFA0FF

 5D0087

 FFBCFF

 41006D

 FFD9FF

 270054

 FFF6FF

 00003C

 000225

 00010E

 000000

 B24DDA

 B24DDA

 AC37DA

 B863DA

 A621DA

 BE79DA

 9F0CDA

 C58EDA

 9C00DA

 CBA4DA

 D1BADA

 D7D0DA

 DDE6DA

 E3FBDA

 EAFFDA

# Harmonies

## Analogous

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



0075FF



B24DDA



E90C99

# Triad

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



B24DDA



AC6E00



0099A7

# Complementary

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



B24DDA



75DA4D

# 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.



00975D



B24DDA



6C8500

# Square

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



B24DDA



DB4901



009100



0096E6

# Rectangle

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



B24DDA



F4006A



009100



00988F



# Sweetspot

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



B24DDA



F1CFFF



4D77DA



776280



000000



808080



# Same Dimension

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



B24DDA



C738FF



DA4DBE



6B636E



7C00AD



21002E



# Inverse Universe

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



DA4D75



FF3871



4DDA69



6E6366



AD0031

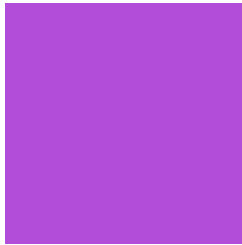


2E000D



# Previews

## White Background



This preview shows how the Hex color B24DDA looks on a white background.

## Color Contrast Check

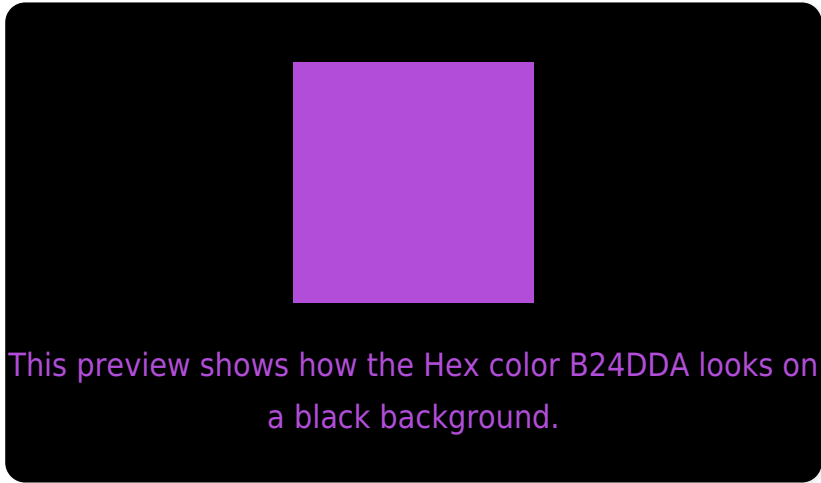
Large Text (above 18pt) WCAG AA ✓ Pass

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

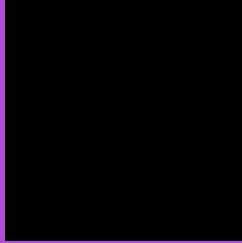
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex B24DDA Background



This preview shows how black text looks on a background with the Hex color B24DDA.

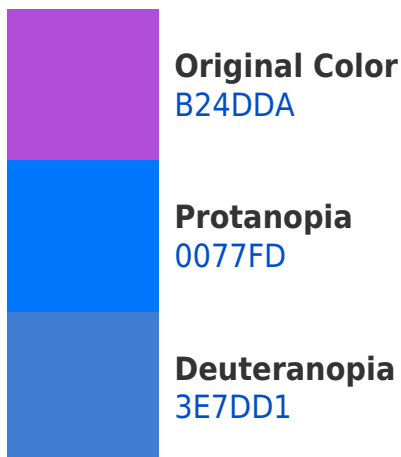



This preview shows how white text looks on a background with the Hex color B24DDA.

# 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](#).

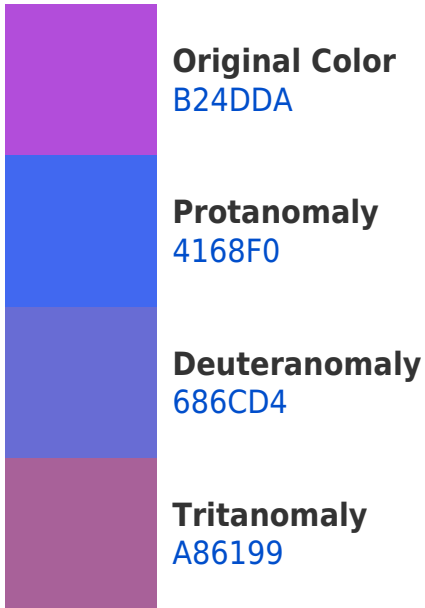
## Dichromacy



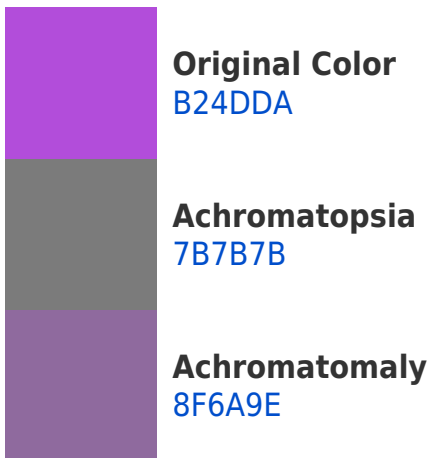


**Tritanopia**  
A36C74

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B24DDA 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 #B24DDA looks like.

```
.text, #text, p{  
  color:#B24DDA  
}
```

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 #B24DDA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B24DDA
}
```

## Border

The CSS property to change the border of an element to Hex B24DDA 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".

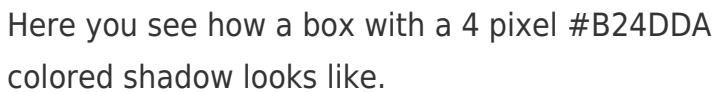
```
.border, #border, table{ border:4px solid
#B24DDA }
```

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

```
.border{ border-color:#B24DDA }
```

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

Here you see how a box with a 4 pixel #B24DDA 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, bottom, and left sides. The right side of the box is slightly offset to the right, creating a shadow effect. The text inside the box is black and reads: "Here you see how a box with a 4 pixel #B24DDA colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B24DDA; -webkit-box-shadow:4px 4px  
4px 4px #B24DDA; box-shadow:4px 4px 4px  
4px #B24DDA }
```

# Background

The CSS property to change the background color of an element to Hex B24DDA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B24DDA }
```

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

```
.background{ background-color:#B24DDA }
```

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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