

Converting Colors

Hex(B45DE9)

Have a look what the booklet for
Hex(B45DE9) contains.

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Color

Hex(**B45DE9**)

Conversions

Conversions Part 1

Format	Color
Hex	B45DE9
RGB	180, 93, 233
RGB Percent	71%, 36%, 91%
CMY	0.2941, 0.6353, 0.0863
CMYK	0.23, 0.60, 0.00, 0.09
HSL	277°, 76%, 64%
HSV	277°, 60%, 91%
XYZ	37.4447, 23.4152, 79.6368
YIQ	134.9730, 6.9120, 61.9840

Conversions

Conversions Part 2

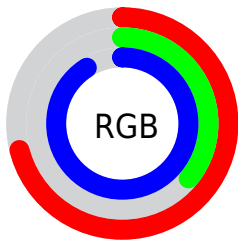
Format	Color
RYB	180, 93, 233
Decimal	11820521
CIELab	55.50, 58.36, -56.93
CIELCh	55, 81.526, 315.713
Yxy	23.4152, 0.2665, 0.1667
Android (android.graphics.Color)	4290010601 (0xFFB45DE9)
YUV	134.9730, 48.3273, 39.4887
Hunter-Lab	48.3892, 53.4463, -63.7043

Details

The Hex color **B45DE9** 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 **92E95D**, and the grayscale version is **878787**.

A 20% lighter version of the original color is **EF93FF**, and **7B26B0** is the 20% darker color. If you saturate the color by 10%, you get **AB46E9**, and if you desaturate by 10%, it is **BD74E9**.

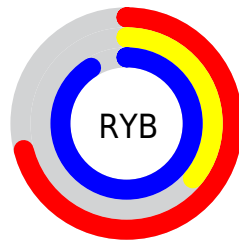
Distribution



Red (71%)

Green (36%)

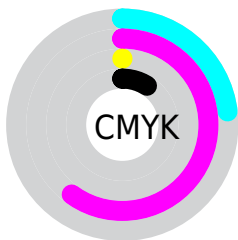
Blue (91%)



Red (71%)

Yellow (36%)

Blue (91%)

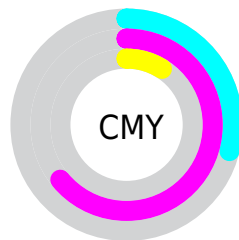


Cyan (23%)

Magenta (60%)

Yellow (0%)

Black (9%)



Cyan (29%)

Magenta (64%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Hex color B45DE9 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 B45DE9 by changing the saturation by 10% instead.

 B45DE9

 B45DE9

FFFFFF

 9742CC

 EF93FF

 7B26B0

 FFAFFF

 5F0095


 FFCBFF

 43007B

 FFE8FF

 260061

 010048

 000431

 00011B

 000000

 B45DE9

 B45DE9

 AB46E9

 BD74E9

 A22EE9

 C68CE9

 9A17E9

 CEA3E9

 9100E9

 D7BAE9

 E0D2E9

 E9E9E9

 F2FFE9

 FBFFE9

 FFFFE9

Harmonies

Analogous

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



0081FF



B45DE9



F02FAA

Triad

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



B45DE9



BD7500



00A3A9

Complementary

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



B45DE9



92E95D

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.



00A15F



B45DE9



7F8D00

Square

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



B45DE9



EA511D



0E9B03



00A1EA

Rectangle

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



B45DE9



FE1E7B



0E9B03



00A391

Sweetspot

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



B45DE9



EED1FF



5D93E9



756380



000000



808080

Same Dimension

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



B45DE9



B947FF



E95DD9



716A75



7100B5



210036

Inverse Universe

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



E95D92



FF478D



5DE96D



756A6E



B50045



360014

Previews

White Background



This preview shows how the Hex color B45DE9 looks on a white background.

Color Contrast Check

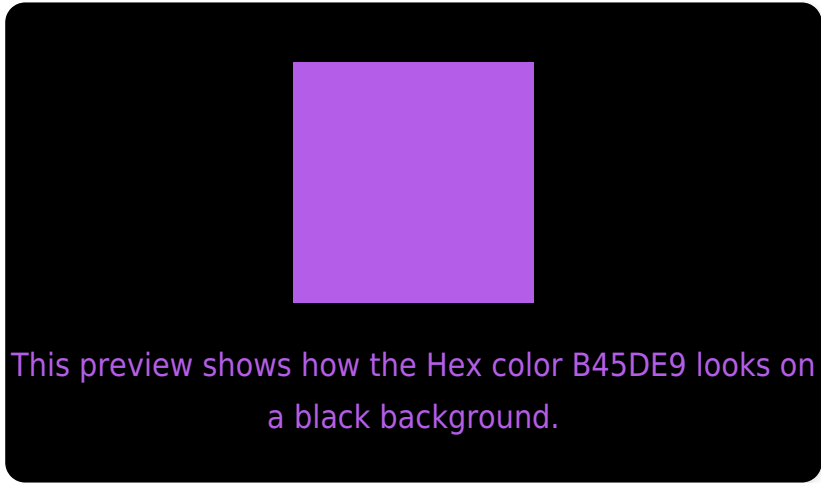
Large Text (above 18pt) WCAG AA ✓ Pass

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

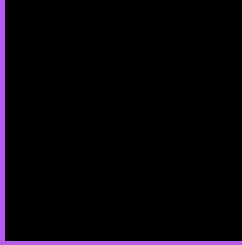
Any Text WCAG AA ✓ Pass

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 B45DE9 Background



This preview shows how black text looks on a background with the Hex color B45DE9.

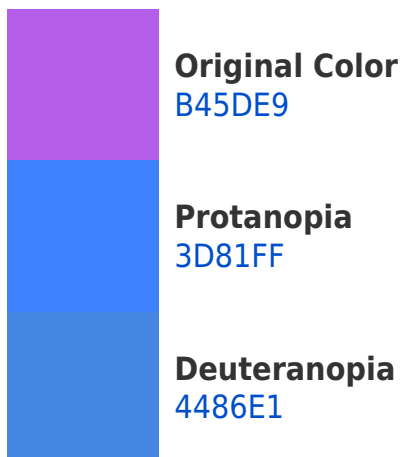



This preview shows how white text looks on a background with the Hex color B45DE9.

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](#).

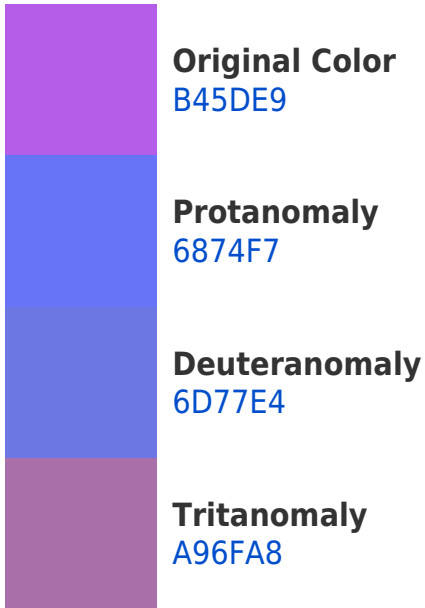
Dichromacy



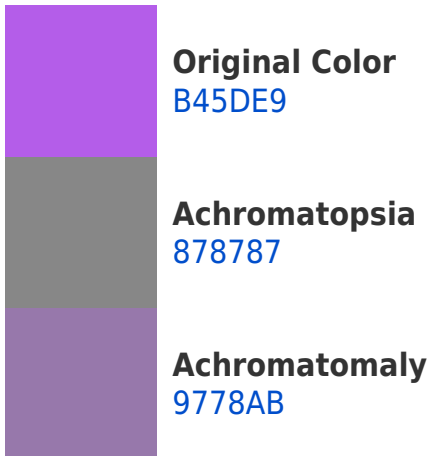


Tritanopia
A37A83

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex B45DE9 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 #B45DE9 looks like.

```
.text, #text, p{  
    color:#B45DE9  
}
```

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 #B45DE9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B45DE9
}
```

Border

The CSS property to change the border of an element to Hex B45DE9 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".

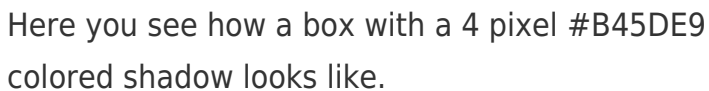
```
.border, #border, table{ border:4px solid
#B45DE9 }
```

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

```
.border{ border-color:#B45DE9 }
```

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

Here you see how a box with a 4 pixel #B45DE9 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 open, and a purple shadow is cast to the right of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B45DE9; -webkit-box-shadow:4px 4px  
4px 4px #B45DE9; box-shadow:4px 4px 4px  
4px #B45DE9 }
```

Background

The CSS property to change the background color of an element to Hex B45DE9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B45DE9 }
```

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

```
.background{ background-color:#B45DE9 }
```

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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