

# Converting Colors

Hex(B46AE6)

Have a look what the booklet for  
Hex(B46AE6) contains.

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# Color

**Hex(B46AE6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B46AE6
RGB	180, 106, 230
RGB Percent	71%, 42%, 90%
CMY	0.2941, 0.5843, 0.0980
CMYK	0.22, 0.54, 0.00, 0.10
HSL	276°, 71%, 66%
HSV	276°, 54%, 90%
XYZ	38.2594, 25.7245, 77.8118
YIQ	142.2620, 4.3000, 54.2520

# Conversions

## Conversions Part 2

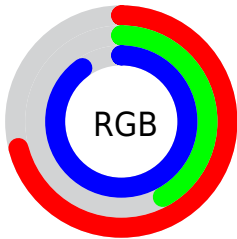
Format	Color
R <sub>Y</sub> B	180, 106, 230
Decimal	11823846
CIE Lab	57.77, 51.18, -51.61
CIE LCh	58, 72.689, 314.761
Yxy	25.7245, 0.2698, 0.1814
Android (android.graphics.Color)	4290013926 (0xFFB46AE6)
YUV	142.2620, 43.2548, 33.0962
Hunter-Lab	50.7194, 45.8898, -55.4570

# Details

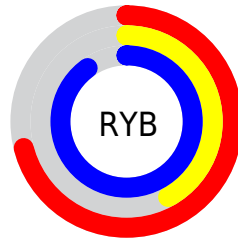
The Hex color **B46AE6** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **9CE66A**, and the grayscale version is **8E8E8E**.

A 20% lighter version of the original color is **EEA0FF**, and **7C36AE** is the 20% darker color. If you saturate the color by 10%, you get **AB53E6**, and if you desaturate by 10%, it is **BD81E6**.

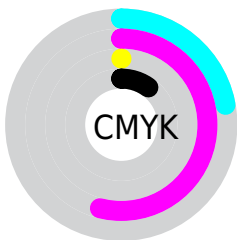
# Distribution



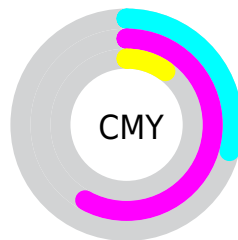
- Red (71%)
- Green (42%)
- Blue (90%)



- Red (71%)
- Yellow (42%)
- Blue (90%)



- Cyan (22%)
- Magenta (54%)
- Yellow (0%)
- Black (10%)



- Cyan (29%)
- Magenta (58%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B46AE6 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 B46AE6 by changing the saturation by 10% instead.



 B46AE6

 B46AE6

FFFFFF

 9850CA

 EEA0FF

 7C36AE

 FFBBFF

 601B93


 FFD8FF

 450078

 FFF5FF

 29005F

 0E0047

 00042F

 000119

 000000

 B46AE6

 B46AE6

 AB53E6

 BD81E6

 A13CE6

 C798E6

 9825E6

 D0AFE6

 8F0EE6

 D9C6E6

 8900E6

 E2DDE6

 ECF4E6

 F5FFE6

 FEFFE6

 FFFFE6

# Harmonies

## Analogous

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



2888FF



B46AE6



EB4BAE

# Triad

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



B46AE6



C17C00



00A7A9

# Complementary

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



B46AE6



9CE66A

# 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.



00A567



B46AE6



8A9200

# Square

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



B46AE6



EA5E32



3B9F24



00A5E4

# Rectangle

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



B46AE6



F94283



3B9F24



00A794



# Sweetspot

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



B46AE6



EFD6FF



6A9EE6



766780



000000



808080



# Same Dimension

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



B46AE6



BC59FF



E66ADC



6E6773



6B00B3



1E0033



# Inverse Universe

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



E66A9C



FF599C



6AE674



73676C



B30048

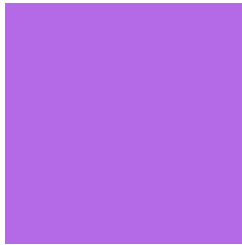


330015



# Previews

## White Background



This preview shows how the Hex color B46AE6 looks on a white background.

## Color Contrast Check

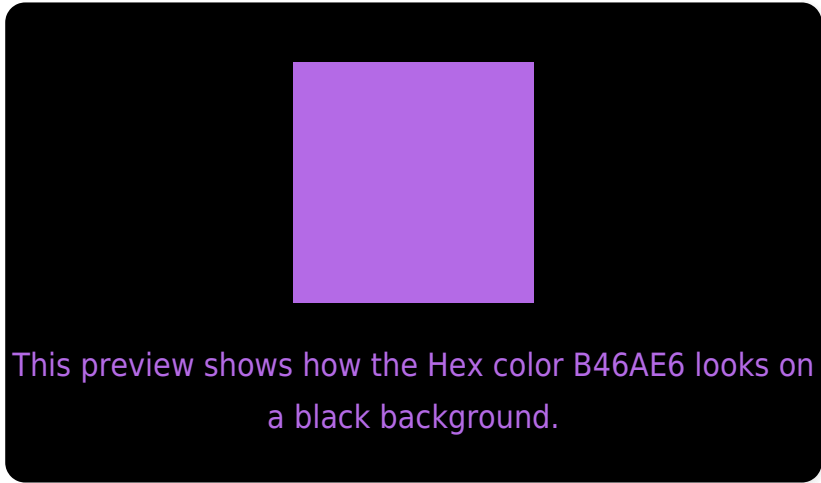
Large Text (above 18pt) WCAG AA ✓ Pass

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

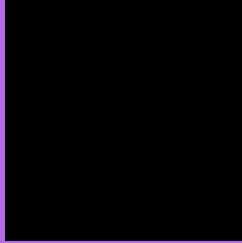
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex B46AE6 Background



This preview shows how black text looks on a background with the Hex color B46AE6.

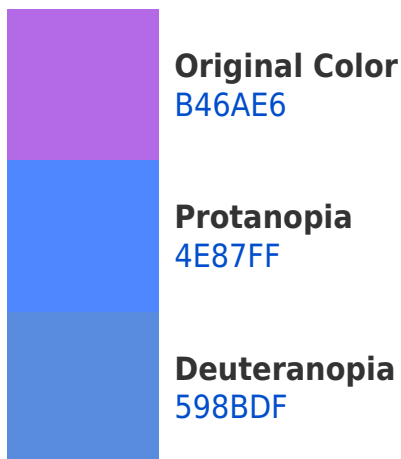


This preview shows how white text looks on a background with the Hex color B46AE6.

# 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](#).

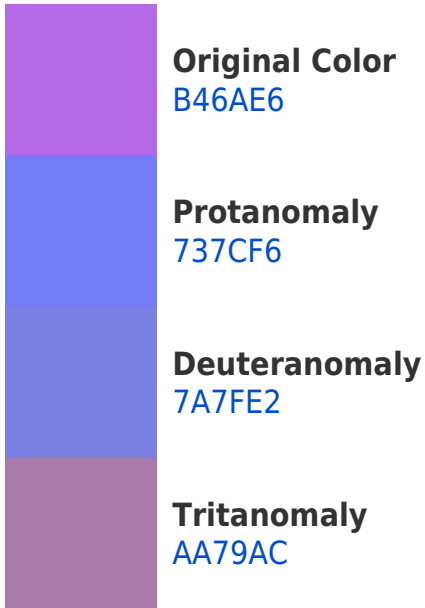
## Dichromacy



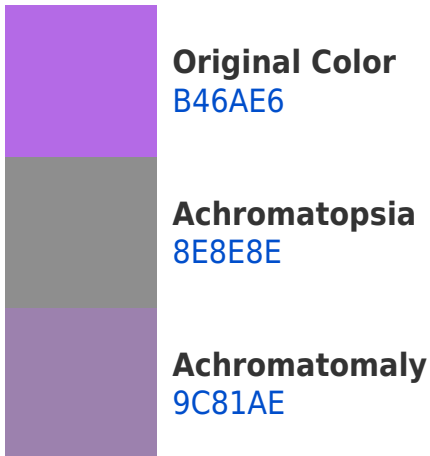


**Tritanopia**  
A5818B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B46AE6 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 #B46AE6 looks like.

```
.text, #text, p{  
    color:#B46AE6  
}
```

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 #B46AE6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B46AE6
}
```

## Border

The CSS property to change the border of an element to Hex B46AE6 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
#B46AE6 }
```

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

```
.border{ border-color:#B46AE6 }
```

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

Here you see how a box with a 4 pixel #B46AE6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B46AE6; -webkit-box-shadow:4px 4px  
4px 4px #B46AE6; box-shadow:4px 4px 4px  
4px #B46AE6 }
```

# Background

The CSS property to change the background color of an element to Hex B46AE6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B46AE6 }
```

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

```
.background{ background-color:#B46AE6 }
```

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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