

# Converting Colors

Hex(B16AE5)

Have a look what the booklet for  
Hex(B16AE5) contains.

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# Color

**Hex(B16AE5)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B16AE5
RGB	177, 106, 229
RGB Percent	69%, 42%, 90%
CMY	0.3059, 0.5843, 0.1020
CMYK	0.23, 0.54, 0.00, 0.10
HSL	275°, 70%, 66%
HSV	275°, 54%, 90%
XYZ	37.4284, 25.3123, 77.0418
YIQ	141.2510, 2.8330, 53.3050

# Conversions

## Conversions Part 2

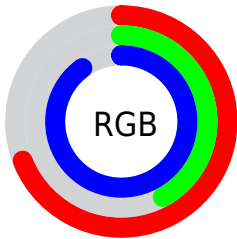
Format	Color
R <sub>Y</sub> B	177, 106, 229
Decimal	11627237
CIE Lab	57.38, 50.20, -51.70
CIE LCh	57, 72.064, 314.154
Yxy	25.3123, 0.2678, 0.1811
Android (android.graphics.Color)	4289817317 (0xFFB16AE5)
YUV	141.2510, 43.2603, 31.3519
Hunter-Lab	50.3114, 44.7474, -55.5729

# Details

The Hex color **B16AE5** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **9EE56A**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **EBA0FF**, and **7936AD** is the 20% darker color. If you saturate the color by 10%, you get **A753E5**, and if you desaturate by 10%, it is **BB81E5**.

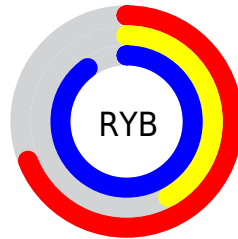
# Distribution



Red (69%)

Green (42%)

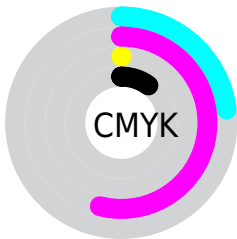
Blue (90%)



Red (69%)

Yellow (42%)

Blue (90%)

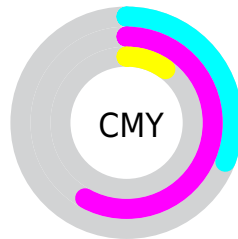


Cyan (23%)

Magenta (54%)

Yellow (0%)

Black (10%)



Cyan (31%)

Magenta (58%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B16AE5 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 B16AE5 by changing the saturation by 10% instead.



 B16AE5

 B16AE5

FFFFFF

 9550C9

 EBA0FF

 7936AD

 FFBBFF

 5E1B92

 FFD8FF

 420077

 FFF5FF

 26005E

 080046

 00042E

 000118

 000000

 B16AE5

 B16AE5

 A753E5

 BB81E5

 9E3CE5

 C498E5

 9425E5

 CEAFE5

 8A0EE5

 D8C6E5

 8400E5

 E1DDE5

 EBF3E5

 F5FFE5

 FEFFE5

 FFFFE5

# Harmonies

## Analogous

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



2087FF



B16AE5



E94BAE

# Triad

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



B16AE5



C17B00



00A6A7

# Complementary

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



B16AE5



9EE56A

# 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.



00A465



B16AE5



8A9000

# Square

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



B16AE5



E85D33



3D9D23



00A4E1

# Rectangle

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



B16AE5



F74284



3D9D23



00A691



# Sweetspot

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



B16AE5



EED6FF



6A9FE5



756780



000000



808080



# Same Dimension

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



B16AE5



BA5CFF



E56ADD



6E6773



6700B3



1D0033



# Inverse Universe

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



E56A9E



FF5CA1



6AE572



73676C



B3004B

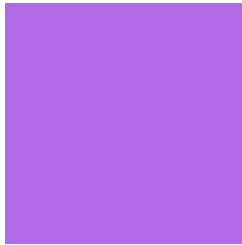


330016



# Previews

## White Background



This preview shows how the Hex color B16AE5 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

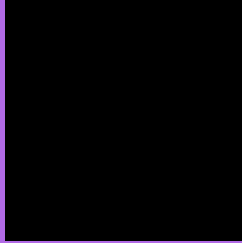
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex B16AE5 Background



This preview shows how black text looks on a background with the Hex color B16AE5.

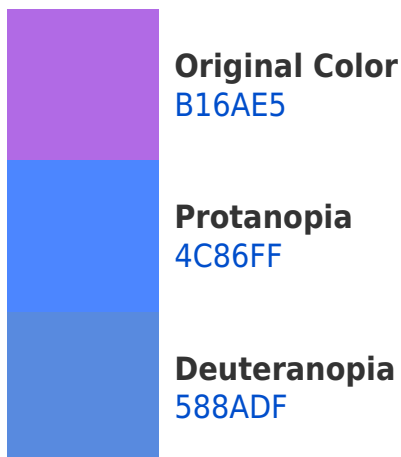


This preview shows how white text looks on a background with the Hex color B16AE5.

# 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](#).

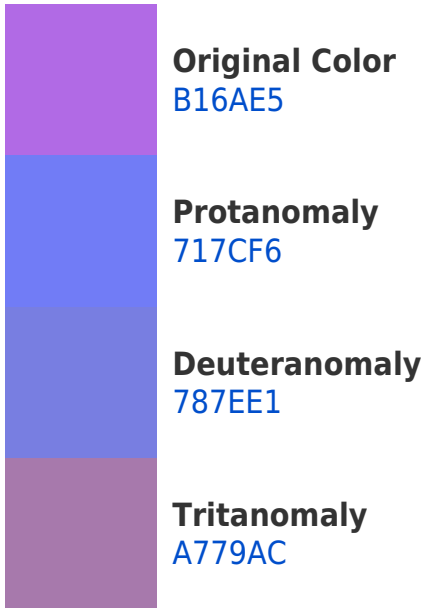
## Dichromacy



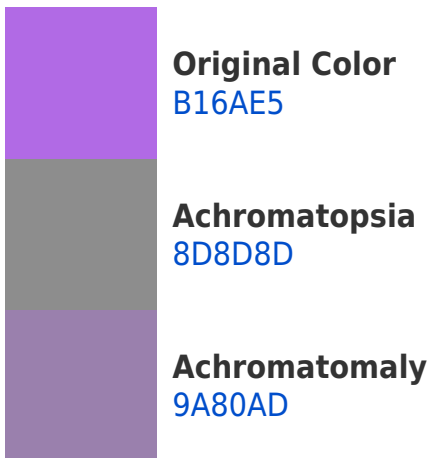


**Tritanopia**  
A2818B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B16AE5 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 #B16AE5 looks like.

```
.text, #text, p{  
    color:#B16AE5  
}
```

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 #B16AE5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B16AE5  
}
```

## Border

The CSS property to change the border of an element to Hex B16AE5 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  
#B16AE5 }
```

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

```
.border{ border-color:#B16AE5 }
```

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

Here you see how a box with a 4 pixel #B16AE5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B16AE5; -webkit-box-shadow:4px 4px  
4px 4px #B16AE5; box-shadow:4px 4px 4px  
4px #B16AE5 }
```

# Background

The CSS property to change the background color of an element to Hex B16AE5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B16AE5 }
```

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

```
.background{ background-color:#B16AE5 }
```

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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