

# Converting Colors

Hex(B16DE5)

Have a look what the booklet for  
Hex(B16DE5) contains.

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# Color

Hex(**B16DE5**)

# Conversions

## Conversions Part 1

Format	Color
Hex	B16DE5
RGB	177, 109, 229
RGB Percent	69%, 43%, 90%
CMY	0.3059, 0.5725, 0.1020
CMYK	0.23, 0.52, 0.00, 0.10
HSL	274°, 70%, 66%
HSV	274°, 52%, 90%
XYZ	37.7430, 25.9415, 77.1467
YIQ	143.0120, 2.0080, 51.7360

# Conversions

## Conversions Part 2

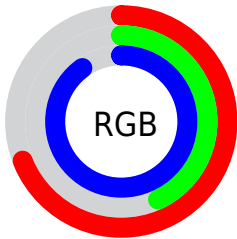
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	177, 109, 229
Decimal	11628005
CIE Lab	57.98, 48.62, -50.74
CIE LCh	58, 70.280, 313.777
Yxy	25.9415, 0.2680, 0.1842
Android (android.graphics.Color)	4289818085 (0xFFB16DE5)
YUV	143.0120, 42.3921, 29.8075
Hunter-Lab	50.9328, 43.1421, -54.1521

# Details

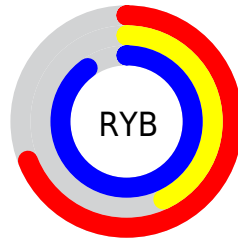
The Hex color **B16DE5** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **A1E56D**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **EBA3FF**, and **793AAD** is the 20% darker color. If you saturate the color by 10%, you get **A756E5**, and if you desaturate by 10%, it is **BB84E5**.

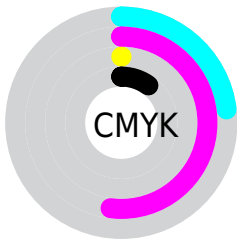
# Distribution



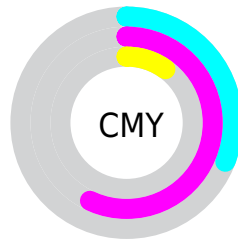
- Red (69%)
- Green (43%)
- Blue (90%)



- Red (69%)
- Yellow (43%)
- Blue (90%)



- Cyan (23%)
- Magenta (52%)
- Yellow (0%)
- Black (10%)



- Cyan (31%)
- Magenta (57%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B16DE5 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 B16DE5 by changing the saturation by 10% instead.



 B16DE5

 B16DE5

FFFFFF

 9553C9

 EBA3FF

 793AAD

 FFBEFF

 5E2092

 FFDBFF

 430077

 FFF8FF

 27005E

 0B0046

 00042E

 000119

 000000

 B16DE5

 B16DE5

 A756E5

 BB84E5

 9D3FE5

 C59BE5

 9328E5

 CFB2E5

 8911E5

 D9C9E5

 8200E5

 E3E0E5

 EDF6E5

 F6FFE5

 FFFFE5

# Harmonies

## Analogous

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



2A89FF



B16DE5



E850AF

# Triad

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



B16DE5



C27C00



00A7A7

# Complementary

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



B16DE5



A1E56D

# 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



B16DE5



8D9100

# Square

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



B16DE5



E96038



439E27



00A5E0

# Rectangle

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



B16DE5



F64786



439E27



00A792



# Sweetspot

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



B16DE5



EDD6FF



6DA1E5



756780



000000



808080



# Same Dimension

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



B16DE5



B95EFF



E56DDD



6E6773



6500B3



1D0033



# Inverse Universe

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



E56DA1



FF5EA4



6DE575



73676C



B3004D

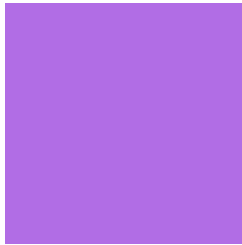


330016



# Previews

## White Background



This preview shows how the Hex color B16DE5 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 B16DE5 Background



This preview shows how black text looks on a background with the Hex color B16DE5.

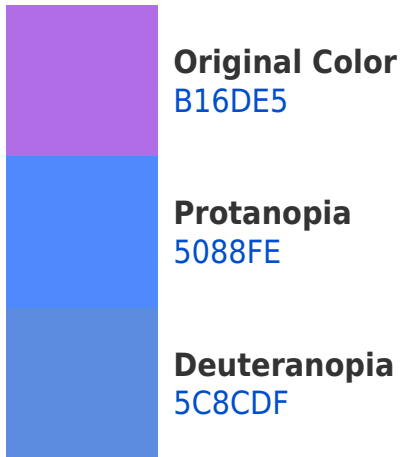



This preview shows how white text looks on a background with the Hex color B16DE5.

# 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](#).

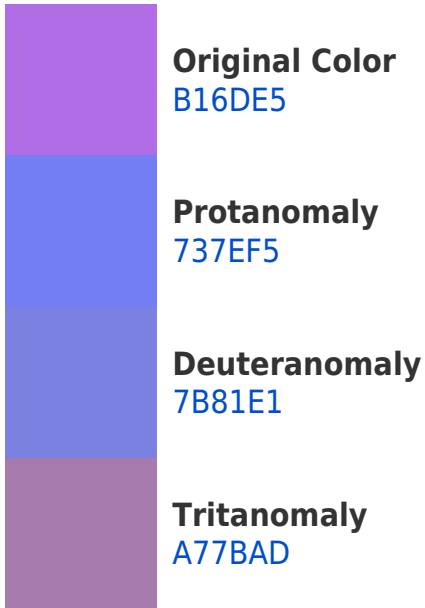
## Dichromacy



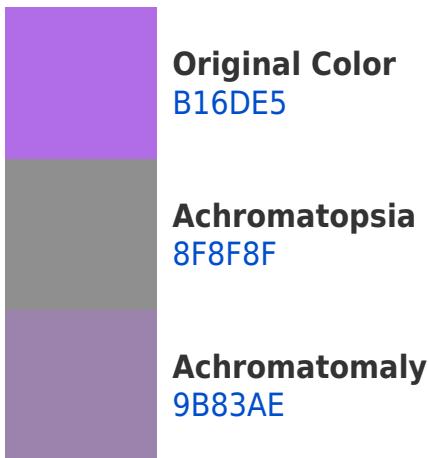


**Tritanopia**  
A2838D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B16DE5 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 #B16DE5 looks like.

```
.text, #text, p{  
    color:#B16DE5  
}
```

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 #B16DE5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B16DE5  
}
```

## Border

The CSS property to change the border of an element to Hex B16DE5 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  
#B16DE5 }
```

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

```
.border{ border-color:#B16DE5 }
```

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

Here you see how a box with a 4 pixel #B16DE5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B16DE5; -webkit-box-shadow:4px 4px  
4px 4px #B16DE5; box-shadow:4px 4px 4px  
4px #B16DE5 }
```

# Background

The CSS property to change the background color of an element to Hex B16DE5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B16DE5 }
```

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

```
.background{ background-color:#B16DE5 }
```

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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