

Converting Colors

Hex(BD80E5)

Have a look what the booklet for
Hex(BD80E5) contains.

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Color

Hex(**BD80E5**)

Conversions

Conversions Part 1

Format	Color
Hex	BD80E5
RGB	189, 128, 229
RGB Percent	74%, 50%, 90%
CMY	0.2588, 0.4980, 0.1020
CMYK	0.17, 0.44, 0.00, 0.10
HSL	276°, 66%, 70%
HSV	276°, 44%, 90%
XYZ	42.8483, 31.9143, 78.0305
YIQ	157.7530, 3.9350, 44.3430

Conversions

Conversions Part 2

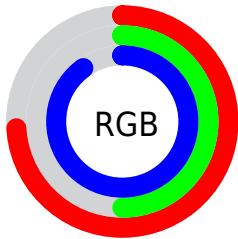
Format	Color
RYB	189, 128, 229
Decimal	12419301
CIELab	63.27, 41.70, -42.30
CIELCh	63, 59.396, 314.587
Yxy	31.9143, 0.2804, 0.2089
Android (android.graphics.Color)	4290609381 (0xFFBD80E5)
YUV	157.7530, 35.1248, 27.4036
Hunter-Lab	56.4927, 36.5254, -42.3492

Details

The Hex color **BD80E5** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **A8E580**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **F7B6FF**, and **864DAD** is the 20% darker color. If you saturate the color by 10%, you get **B469E5**, and if you desaturate by 10%, it is **C697E5**.

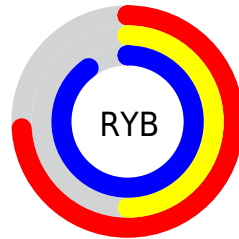
Distribution



Red (74%)

Green (50%)

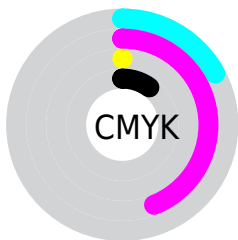
Blue (90%)



Red (74%)

Yellow (50%)

Blue (90%)

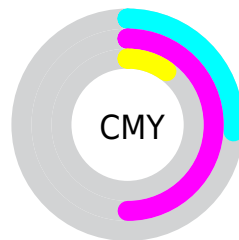


Cyan (17%)

Magenta (44%)

Yellow (0%)

Black (10%)



Cyan (26%)

Magenta (50%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Hex color BD80E5 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 BD80E5 by changing the saturation by 10% instead.

 BD80E5

 BD80E5

FFFFFF

 A166C9

 F7B6FF

 864DAD

 FFD2FF

 6B3492

 FFEFFF

 511B78

 37005F

 1E0046

 00002F

 000119

 000000

 BD80E5

 BD80E5

 B469E5

 C697E5

 AB52E5

 CFAEE5

 A23BE5

 D8C5E5

 9924E5

 E1DCE5

 900DE5

 EAF3E5

 8A00E5

 F3FFE5

 FCFFE5

 FFFFE5

Harmonies

Analogous

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



6596FF



BD80E5



EB6CB7

Triad

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



BD80E5



CC8D2D



00B3B2

Complementary

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



BD80E5



A8E580

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.



00B17B



BD80E5



9D9F28

Square

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



BD80E5



ED7851



60AA49



00B0E2

Rectangle

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



BD80E5



F86793



60AA49



00B3A0

Sweetspot

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



BD80E5



F2DEFF



80A8E5



776B80



000000



808080

Same Dimension

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



BD80E5



C978FF



E580DB



6E6773



6C00B3



1F0033

Inverse Universe

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



E580A8



FF78AD



80E58A



73676C



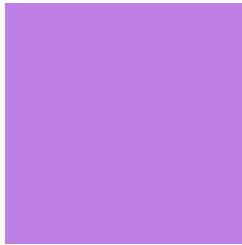
B30047



330014

Previews

White Background



This preview shows how the Hex color BD80E5 looks on a white background.

Color Contrast Check

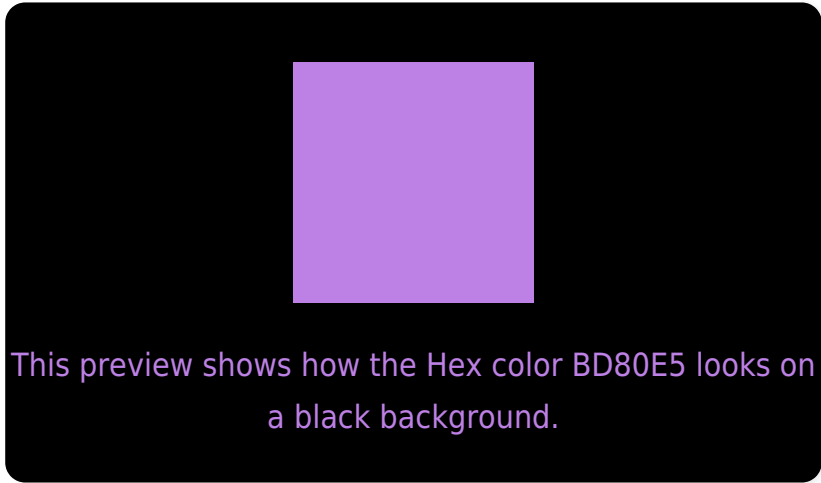
Large Text (above 18pt) WCAG AA × Fail

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

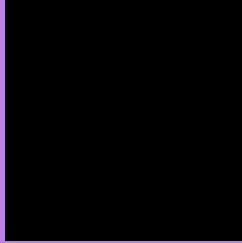
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Hex BD80E5 Background



This preview shows how black text looks on a background with the Hex color BD80E5.

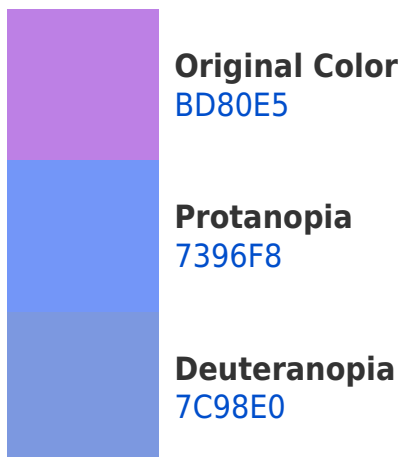


This preview shows how white text looks on a background with the Hex color BD80E5.

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
B1909C

Trichromacy



Original Color
BD80E5



Protanomaly
8E8EF1



Deuteranomaly
948FE2



Tritanomaly
B58AB7

Monochromacy



Original Color
BD80E5



Achromatopsia
9E9E9E



Achromatomaly
A993B8

CSS Examples

Text

The CSS property to change the color of the text to Hex BD80E5 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 #BD80E5 looks like.

```
.text, #text, p{  
    color:#BD80E5  
}
```

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 #BD80E5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BD80E5
}
```

Border

The CSS property to change the border of an element to Hex BD80E5 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
#BD80E5 }
```

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

```
.border{ border-color:#BD80E5 }
```

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

Here you see how a box with a 4 pixel #BD80E5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BD80E5; -webkit-box-shadow:4px 4px  
4px 4px #BD80E5; box-shadow:4px 4px 4px  
4px #BD80E5 }
```

Background

The CSS property to change the background color of an element to Hex BD80E5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BD80E5 }
```

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

```
.background{ background-color:#BD80E5 }
```

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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