

# Converting Colors

Hex(B1BDF0)

Have a look what the booklet for  
Hex(B1BDF0) contains.

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# **Color**

**Hex(B1BDF0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1BDF0
RGB	177, 189, 240
RGB Percent	69%, 74%, 94%
CMY	0.3059, 0.2588, 0.0588
CMYK	0.26, 0.21, 0.00, 0.06
HSL	229°, 68%, 82%
HSV	229°, 26%, 94%
XYZ	52.0572, 52.0336, 89.7378
YIQ	191.2260, -23.5230, 13.3170

# Conversions

## Conversions Part 2

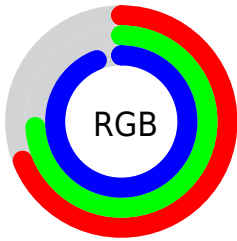
Format	Color
<a href="#">RYB</a>	<a href="#">177, 187, 240</a>
Decimal	<a href="#">11648496</a>
CIELab	<a href="#">77.30, 6.93, -26.65</a>
CIElCh	<a href="#">77, 27.537, 284.575</a>
Yxy	<a href="#">52.0336, 0.2686, 0.2685</a>
Android (android.graphics.Color)	<a href="#">4289838576 (0xFFB1BDF0)</a>
YUV	<a href="#">191.2260, 24.0456, -12.4762</a>
Hunter-Lab	<a href="#">72.1343, 2.5832, -23.2650</a>

# Details

The Hex color **B1BDF0** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **F0E4B1**, and the grayscale version is **BFBFBF**.

A 20% lighter version of the original color is **EAF5FF**, and **7B88B8** is the 20% darker color. If you saturate the color by 10%, you get **99AAF0**, and if you desaturate by 10%, it is **C9D0F0**.

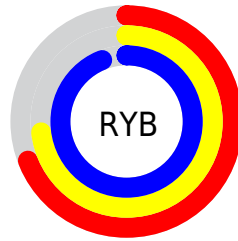
# Distribution



Red (69%)

Green (74%)

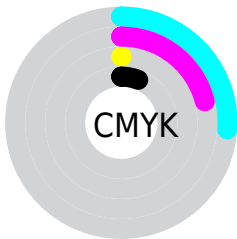
Blue (94%)



Red (69%)

Yellow (73%)

Blue (94%)

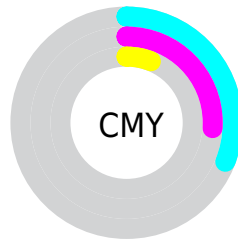


Cyan (26%)

Magenta (21%)

Yellow (0%)

Black (6%)



Cyan (31%)

Magenta (26%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B1BDF0 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 B1BDF0 by changing the saturation by 10% instead.



 B1BDF0


 B1BDF0

FFFFFF

 96A2D4

 EAF5FF

 7B88B8

 616F9D

 485683

 2F3F69

 152951


 00153A

 000224


 00000C

 B1BDF0

 B1BDF0

 99AAF0

 C9D0F0

 8196F0

 E1E4F0

 6983F0


 F9F7F0

 516FF0

 FFFFF0

 395CF0

 2148F0

 0935F0

 002EF0

# Harmonies

## Analogous

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



8EC5EF



B1BDF0



D2B4E3

# Triad

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



B1BDF0



EEB19C



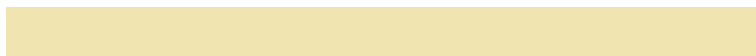
8CCCB1

# Complementary

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



B1BDF0



F0E4B1

# 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.



A8C89A



B1BDF0



DEB98E

# Square

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



B1BDF0



F3ADB3



C5C18D



77CDCB

# Rectangle

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



**B1BDF0**



**E3B0D5**



**C5C18D**



**95CBA8**



# Sweetspot

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



B1BDF0



EBE EFF



B1F0E3



737580



000000



808080



# Same Dimension

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



B1BDF0



ADBDF0



C4B1F0



6C6E78



0023B8



000B38



# Inverse Universe

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



F0B1BD



FFADBD



DDF0B1



786C6E



B80023

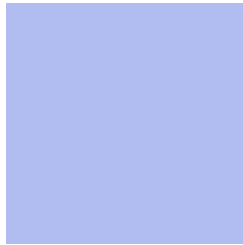


38000B



# Previews

## White Background



This preview shows how the Hex color B1BDF0 looks on a white background.

## Color Contrast Check

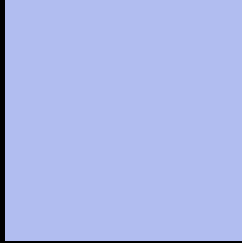
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color B1BDF0 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

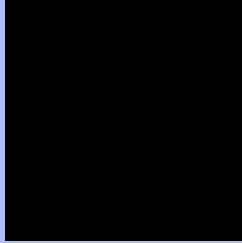
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex B1BDF0 Background



This preview shows how black text looks on a background with the Hex color B1BDF0.



This preview shows how white text looks on a background with the Hex color B1BDF0.

# 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



**Original Color**  
B1BDF0

**Protanopia**  
B2BDF0

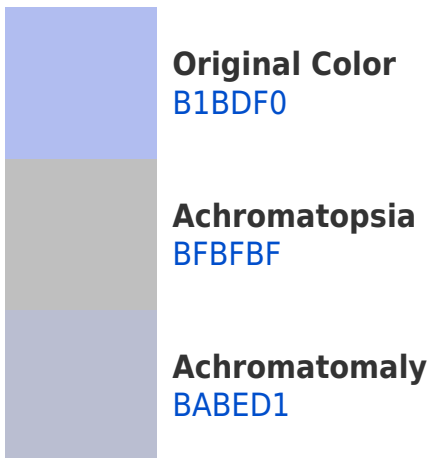
**Deuteranopia**  
B7BBF0



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B1BDF0 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 #B1BDF0 looks like.

```
.text, #text, p{  
    color:#B1BDF0  
}
```

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 #B1BDF0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B1BDF0
}
```

## Border

The CSS property to change the border of an element to Hex B1BDF0 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
#B1BDF0 }
```

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

```
.border{ border-color:#B1BDF0 }
```

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

Here you see how a box with a 4 pixel #B1BDF0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B1BDF0; -webkit-box-shadow:4px 4px  
4px 4px #B1BDF0; box-shadow:4px 4px 4px  
4px #B1BDF0 }
```

# Background

The CSS property to change the background color of an element to Hex B1BDF0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B1BDF0 }
```

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

```
.background{ background-color:#B1BDF0 }
```

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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