

# Converting Colors

Hex(B0BDE8)

Have a look what the booklet for  
Hex(B0BDE8) contains.

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# **Color**

**Hex(B0BDE8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0BDE8
RGB	176, 189, 232
RGB Percent	69%, 74%, 91%
CMY	0.3098, 0.2588, 0.0902
CMYK	0.24, 0.19, 0.00, 0.09
HSL	226°, 55%, 80%
HSV	226°, 24%, 91%
XYZ	50.6676, 51.4515, 83.6046
YIQ	190.0150, -21.5510, 10.6170

# Conversions

## Conversions Part 2

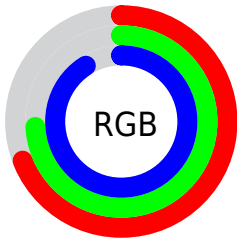
Format	Color
R <sub>Y</sub> B	176, 187, 232
Decimal	11582952
CIE Lab	76.95, 4.76, -22.88
CIE LCh	77, 23.370, 281.757
Yxy	51.4515, 0.2728, 0.2770
Android (android.graphics.Color)	4289773032 (0xFFB0BDE8)
YUV	190.0150, 20.6986, -12.2912
Hunter-Lab	71.7297, 0.5598, -18.8947

# Details

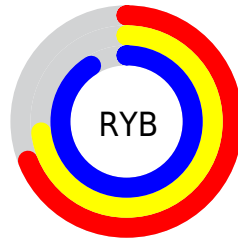
The Hex color **B0BDE8** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **E8DBB0**, and the grayscale version is **BEBEBE**.

A 20% lighter version of the original color is **E8F5FF**, and **7A88B0** is the 20% darker color. If you saturate the color by 10%, you get **99ABE8**, and if you desaturate by 10%, it is **C7CFE8**.

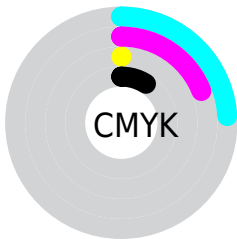
# Distribution



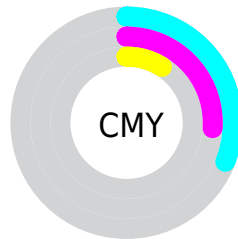
- Red (69%)
- Green (74%)
- Blue (91%)



- Red (69%)
- Yellow (73%)
- Blue (91%)



- Cyan (24%)
- Magenta (19%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (26%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B0BDE8 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 B0BDE8 by changing the saturation by 10% instead.



■ B0BDE8

■ B0BDE8

FFFFFF

■ 95A2CC

■ E8F5FF

■ 7A88B0

■ 616F96

■ 48567C

■ 2F3F63

■ 17294B

■ 001534

■ 00021E

■ 000001

 B0BDE8

 B0BDE8

 99ABE8

 C7CFE8

 8299E8

 DEE1E8

 6A88E8

 F6F2E8

 5376E8

 FFFFE8

 3C64E8

 2552E8

 0E40E8

 0036E8

# Harmonies

## Analogous

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



94C4E6



B0BDE8



CCB6DE

# Triad

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



B0BDE8



E8B2A2



95C9B0

# Complementary

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



B0BDE8



E8DBB0

# 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.



ADC59D



B0BDE8



DAB895

# Square

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



B0BDE8



EAAFB6



C6BF94



84CAC6

# Rectangle

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



B0BDE8



DBB2D3



C6BF94



9DC8A9



# Sweetspot

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



B0BDE8



EDF1FF



B0E8DB



757880



000000



808080



# Same Dimension

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



B0BDE8



B5C6FF



BFB0E8



676A73



0029B3



000C33



# Inverse Universe

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



E8B0BD



FFB5C6



D9E8B0



73676A



B30029

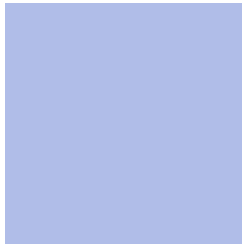


33000C



# Previews

## White Background



This preview shows how the Hex color B0BDE8 looks on a white background.

## Color Contrast Check

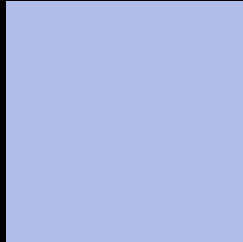
Large Text (above 18pt) WCAG AA × Fail

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 B0BDE8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

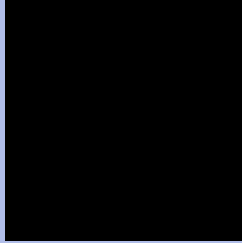
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex B0BDE8 Background



This preview shows how black text looks on a background with the Hex color B0BDE8.



This preview shows how white text looks on a background with the Hex color B0BDE8.

# 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



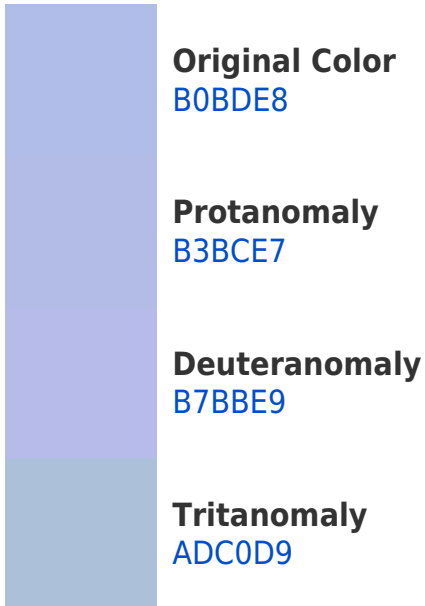
**Original Color**  
B0BDE8

**Protanopia**  
B4BCE7

**Deuteranopia**  
BBBAE9



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B0BDE8 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 #B0BDE8 looks like.

```
.text, #text, p{  
    color:#B0BDE8  
}
```

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 #B0BDE8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B0BDE8  
}
```

## Border

The CSS property to change the border of an element to Hex B0BDE8 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  
#B0BDE8 }
```

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

```
.border{ border-color:#B0BDE8 }
```

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

Here you see how a box with a 4 pixel #B0BDE8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B0BDE8; -webkit-box-shadow:4px 4px  
4px 4px #B0BDE8; box-shadow:4px 4px 4px  
4px #B0BDE8 }
```

# Background

The CSS property to change the background color of an element to Hex B0BDE8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B0BDE8 }
```

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

```
.background{ background-color:#B0BDE8 }
```

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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