

# Converting Colors

Hex(B0BDD2)

Have a look what the booklet for  
Hex(B0BDD2) contains.

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# **Color**

**Hex(B0BDD2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0BDD2
RGB	176, 189, 210
RGB Percent	69%, 74%, 82%
CMY	0.3098, 0.2588, 0.1765
CMYK	0.16, 0.10, 0.00, 0.18
HSL	217°, 27%, 76%
HSV	217°, 16%, 82%
XYZ	47.7350, 50.2784, 68.1616
YIQ	187.5070, -14.4890, 3.7750

# Conversions

## Conversions Part 2

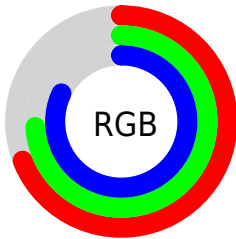
Format	Color
R <sub>Y</sub> B	176, 185, 210
Decimal	11582930
CIE Lab	76.24, -0.15, -12.06
CIE LCh	76, 12.056, 269.299
Yxy	50.2784, 0.2873, 0.3026
Android (android.graphics.Color)	4289773010 (0xFFB0BDD2)
YUV	187.5070, 11.0890, -10.0916
Hunter-Lab	70.9073, -3.9212, -7.3590

# Details

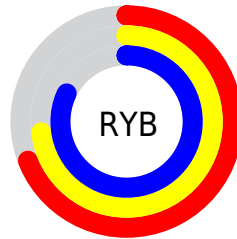
The Hex color **B0BDD2** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **D2C5B0**, and the grayscale version is **BBBBBB**.

A 20% lighter version of the original color is **E8F5FF**, and **7B889C** is the 20% darker color. If you saturate the color by 10%, you get **9BB0D2**, and if you desaturate by 10%, it is **C5CAD2**.

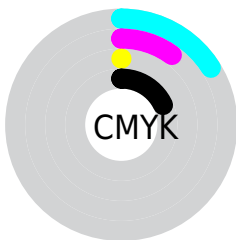
# Distribution



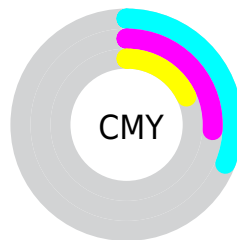
- Red (69%)
- Green (74%)
- Blue (82%)



- Red (69%)
- Yellow (73%)
- Blue (82%)



- Cyan (16%)
- Magenta (10%)
- Yellow (0%)
- Black (18%)



- Cyan (31%)
- Magenta (26%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B0BDD2 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 B0BDD2 by changing the saturation by 10% instead.



■ B0BDD2

■ B0BDD2

FFFFFF

■ 95A2B6

■ E8F5FF

■ 7B889C

■ 626E81

■ 4A5668

■ 333F50

■ 1C2939

■ 061524

■ 00010D

■ 000000

 B0BDD2

 B0BDD2

 9BB0D2

 C5CAD2

 86A3D2

 DAD7D2

 7196D2

 EFE4D2

 5C89D2

 FFF1D2

 477CD2

 FFFED2

 326FD2

 FFFF2D

 1D62D2

 0855D2

 0050D2

# Harmonies

## Analogous

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



A5C0CF



B0BDD2



BEB9CF

# Triad

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



B0BDD2



D4B5B2



ADC1B0

# Complementary

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



B0BDD2



D2C5B0

# 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.



B9BFA9



B0BDD2



CFB8A9

# Square

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



B0BDD2



D2B5BD



C6BBA6



A3C3BB

# Rectangle

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



B0BDD2



C7B7CB



C6BBA6



B1C1AD

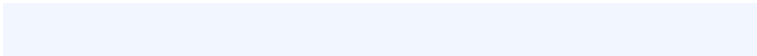


# Sweetspot

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



B0BDD2



F2F7FF



B0D2C5



787B80



000000



808080

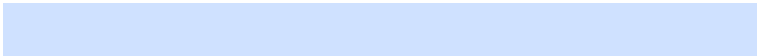


# Same Dimension

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



B0BDD2



CFE1FF



B4B0D2



5E6269



0040A8



001029



# Inverse Universe

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



D2B0BD



FFCFE1



CED2B0



695E62



A80040

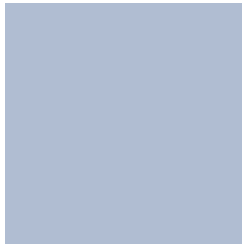


290010



# Previews

## White Background



This preview shows how the Hex color B0BDD2 looks on a white background.

## Color Contrast Check

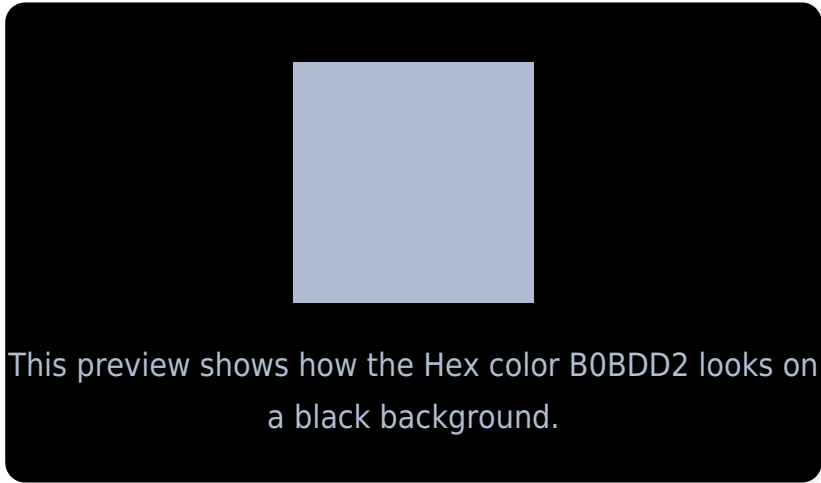
Large Text (above 18pt) WCAG AA × Fail

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

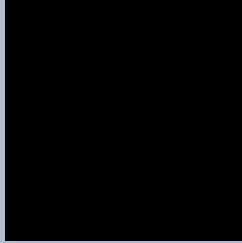
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

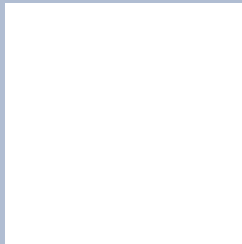
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex B0BDD2 Background



This preview shows how black text looks on a background with the Hex color B0BDD2.

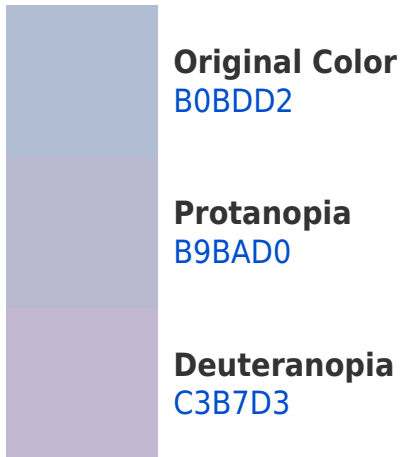


This preview shows how white text looks on a background with the Hex color B0BDD2.

# 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





# Trichromacy



**Original Color**  
B0BDD2

**Protanomaly**  
B6BBD1

**Deuteranomaly**  
BCB9D3

**Tritanomaly**  
AFBECF

# Monochromacy



**Original Color**  
B0BDD2

**Achromatopsia**  
BCBCBC

**Achromatomaly**  
B8BCC4

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B0BDD2 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 #B0BDD2 looks like.

```
.text, #text, p{  
    color:#B0BDD2  
}
```

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 #B0BDD2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B0BDD2
}
```

## Border

The CSS property to change the border of an element to Hex B0BDD2 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
#B0BDD2 }
```

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

```
.border{ border-color:#B0BDD2 }
```

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

Here you see how a box with a 4 pixel #B0BDD2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B0BDD2; -webkit-box-shadow:4px 4px  
4px 4px #B0BDD2; box-shadow:4px 4px 4px  
4px #B0BDD2 }
```

# Background

The CSS property to change the background color of an element to Hex B0BDD2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B0BDD2 }
```

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

```
.background{ background-color:#B0BDD2 }
```

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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