

# Converting Colors

Hex(B1DDD6)

Have a look what the booklet for  
Hex(B1DDD6) contains.

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# **Color**

**Hex(B1DDD6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1DDD6
RGB	177, 221, 214
RGB Percent	69%, 87%, 84%
CMY	0.3059, 0.1333, 0.1608
CMYK	0.20, 0.00, 0.03, 0.13
HSL	170°, 39%, 78%
HSV	170°, 20%, 87%
XYZ	56.1255, 65.9151, 73.3831
YIQ	207.0460, -23.9770, -11.5050

# Conversions

## Conversions Part 2

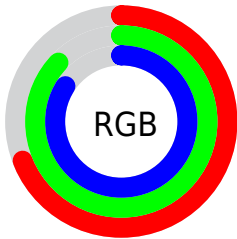
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 201, 221
Decimal	11656662
CIELab	84.95, -15.66, -1.29
CIELCh	85, 15.717, 184.723
Yxy	65.9151, 0.2872, 0.3373
Android (android.graphics.Color)	4289846742 (0xFFB1DDD6)
YUV	207.0460, 3.4283, -26.3503
Hunter-Lab	81.1881, -18.6817, 3.2415

# Details

The Hex color **B1DDD6** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **DDB1B8**, and the grayscale version is **CFCFCF**.

A 20% lighter version of the original color is **E9FFFF**, and **7CA69F** is the 20% darker color. If you saturate the color by 10%, you get **9BDDD2**, and if you desaturate by 10%, it is **C7DDDA**.

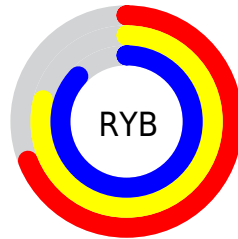
# Distribution



Red (69%)

Green (87%)

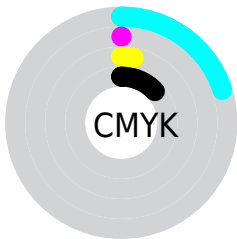
Blue (84%)



Red (69%)

Yellow (79%)

Blue (87%)

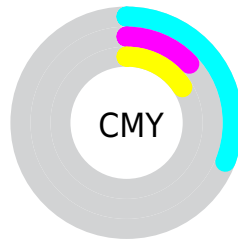


Cyan (20%)

Magenta (0%)

Yellow (3%)

Black (13%)



Cyan (31%)

Magenta (13%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B1DDD6 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 B1DDD6 by changing the saturation by 10% instead.



 B1DDD6

FFFFFF

 E9FFFF


 B1DDD6

 96C1BA

 7CA69F

 628B85

 49726C

 315954

 19423D

 002B27

 001812

 000000

 B1DDD6

 B1DDD6

 9BDDD2

 C7DDDA

 85DDCF

 DDDDDD

 6FDDCB

 F3DDE1

 59DDC8

 FFDDE4

 43DDC4

 FFDDE8

 2CDDC1

 FFDDEB

 16DDBD

 FFDDEF

 00DDBA

 FFDDF2

 FFDDF6

# Harmonies

## Analogous

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



BDDCC7



B1DDD6



AEDCE4

# Triad

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



B1DDD6



DAD0ED



ECCFBA

# Complementary

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



B1DDD6



DDB1B8

# 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.



F3CBC4



B1DDD6



EACCE1

# Square

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



B1DDD6



C7D5F1



F3CAD2



DED4B7

# Rectangle

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



B1DDD6



B3DAEC



F3CAD2



EFCEBC



# Sweetspot

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



B1DDD6



F0FFFD



B8DDB1



77807E



000000



808080

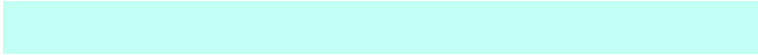


# Same Dimension

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



B1DDD6



C2FFF5



B1CEDD



636E6C



00AD92



002E27



# Inverse Universe

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



DDB1B8



FFC2CC



DDC0B1



6E6364



AD001C

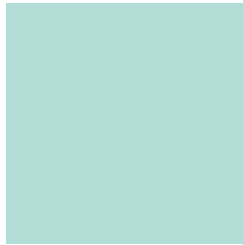


2E0007



# Previews

## White Background



This preview shows how the Hex color B1DDD6 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

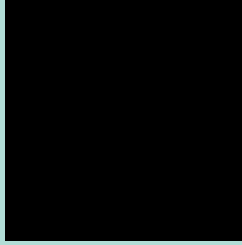
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

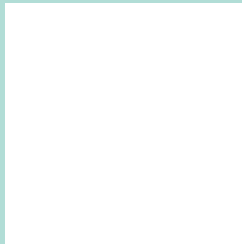
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex B1DDD6 Background



This preview shows how black text looks on a background with the Hex color B1DDD6.

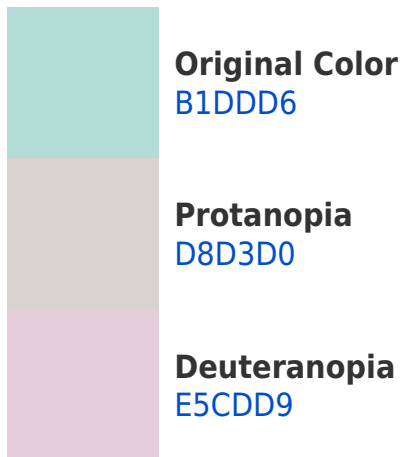


This preview shows how white text looks on a background with the Hex color B1DDD6.

# 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



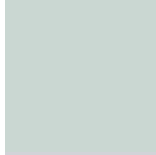


**Tritanopia**  
B5DAEB

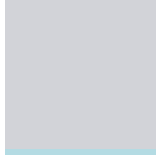
# Trichromacy



**Original Color**  
B1DDD6



**Protanomaly**  
CAD7D2



**Deuteranomaly**  
D2D3D8

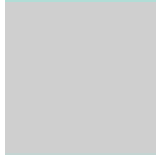


**Tritanomaly**  
B4DBE3

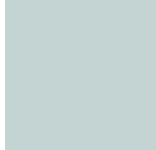
# Monochromacy



**Original Color**  
B1DDD6



**Achromatopsia**  
CFCFCF



**Achromatomaly**  
C4D4D2

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B1DDD6 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 #B1DDD6 looks like.

```
.text, #text, p{  
    color:#B1DDD6  
}
```

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 #B1DDD6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B1DDD6  
}
```

## Border

The CSS property to change the border of an element to Hex B1DDD6 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  
#B1DDD6 }
```

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

```
.border{ border-color:#B1DDD6 }
```

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

Here you see how a box with a 4 pixel #B1DDD6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B1DDD6; -webkit-box-shadow:4px 4px  
4px 4px #B1DDD6; box-shadow:4px 4px 4px  
4px #B1DDD6 }
```

# Background

The CSS property to change the background color of an element to Hex B1DDD6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B1DDD6 }
```

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

```
.background{ background-color:#B1DDD6 }
```

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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