

# Converting Colors

Hex(B1E7D4)

Have a look what the booklet for  
Hex(B1E7D4) contains.

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# **Color**

**Hex(B1E7D4)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1E7D4
RGB	177, 231, 212
RGB Percent	69%, 91%, 83%
CMY	0.3059, 0.0941, 0.1686
CMYK	0.23, 0.00, 0.08, 0.09
HSL	159°, 53%, 80%
HSV	159°, 23%, 91%
XYZ	58.5910, 71.2524, 72.9524
YIQ	212.6880, -26.0850, -17.3570

# Conversions

## Conversions Part 2

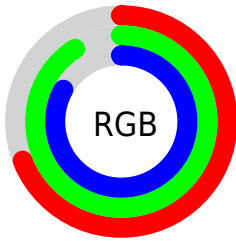
Format	Color
<a href="#">RYB</a>	<a href="#">177, 210, 231</a>
Decimal	<a href="#">11659220</a>
CIELab	<a href="#">87.61, -21.05, 3.63</a>
CIElCh	<a href="#">88, 21.360, 170.226</a>
Yxy	<a href="#">71.2524, 0.2889, 0.3514</a>
Android (android.graphics.Color)	<a href="#">4289849300 (0xFFB1E7D4)</a>
YUV	<a href="#">212.6880, -0.3392, -31.2984</a>
Hunter-Lab	<a href="#">84.4111, -23.8200, 7.8464</a>

# Details

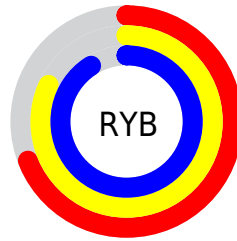
The Hex color **B1E7D4** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **E7B1C4**, and the grayscale version is **D5D5D5**.

A 20% lighter version of the original color is **E9FFFF**, and **7BAF9D** is the 20% darker color. If you saturate the color by 10%, you get **9AE7CC**, and if you desaturate by 10%, it is **C8E7DC**.

# Distribution



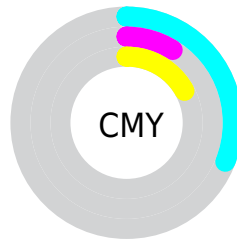
- Red (69%)
- Green (91%)
- Blue (83%)



- Red (69%)
- Yellow (82%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (8%)
- Black (9%)



- Cyan (31%)
- Magenta (9%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B1E7D4 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 B1E7D4 by changing the saturation by 10% instead.



 B1E7D4


 B1E7D4

FFFFFF

 96CBB8

 E9FFFF

 7BAF9D

 619583

 487B6A

 306252

 16493B

 003325

 001E11

 000000

 B1E7D4

 B1E7D4

 9AE7CC

 C8E7DC

 83E7C4

 DFE7E4

 6CE7BC

 F6E7EC

 55E7B3

 FFE7F5

 3EE7AB

 FFE7FD

 26E7A3

 FFE7FF

 0FE79B

 00E796

# Harmonies

## Analogous

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



C5E4C1



B1E7D4



A6E7E9

# Triad

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



B1E7D4



D7D9FF



FFD2BD

# Complementary

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



B1E7D4



E7B1C4

# 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.



FFCECE



B1E7D4



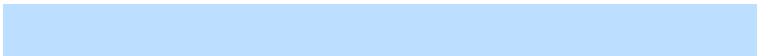
F0D2F6

# Square

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



B1E7D4



BDDFFF



FFCEE3



F2D8B4

# Rectangle

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



B1E7D4



A7E6F5



FFCEE3



FFD0C2



# Sweetspot

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



B1E7D4



EDFFF9



C5E7B1



75807C



000000



808080

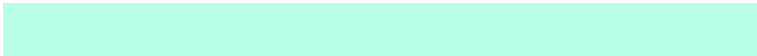


# Same Dimension

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



B1E7D4



B8FFE6



B1E0E7



67736F



00B374



003321



# Inverse Universe

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



E7B1C4



FFB8D1



E7B8B1



73676B



B3003F

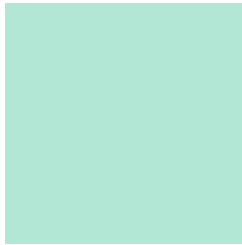


330012



# Previews

## White Background



This preview shows how the Hex color B1E7D4 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 B1E7D4 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

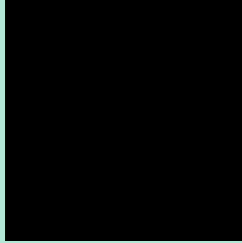
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

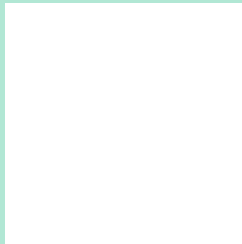
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex B1E7D4 Background



This preview shows how black text looks on a background with the Hex color B1E7D4.

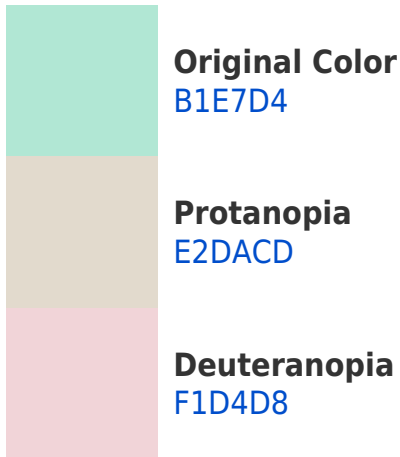


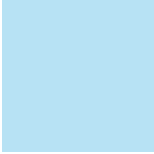
This preview shows how white text looks on a background with the Hex color B1E7D4.

# 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



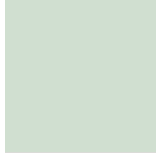


**Tritanopia**  
B7E2F4

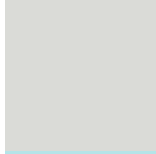
# Trichromacy



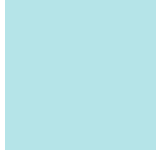
**Original Color**  
B1E7D4



**Protanomaly**  
D0DFD0



**Deuteranomaly**  
DADBD7

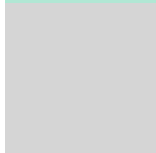


**Tritanomaly**  
B5E4E8

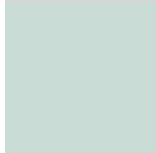
# Monochromacy



**Original Color**  
B1E7D4



**Achromatopsia**  
D5D5D5



**Achromatomaly**  
C8DCD5

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B1E7D4 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 #B1E7D4 looks like.

```
.text, #text, p{  
    color:#B1E7D4  
}
```

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 #B1E7D4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B1E7D4
}
```

## Border

The CSS property to change the border of an element to Hex B1E7D4 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
#B1E7D4 }
```

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

```
.border{ border-color:#B1E7D4 }
```

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

Here you see how a box with a 4 pixel #B1E7D4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B1E7D4; -webkit-box-shadow:4px 4px  
4px 4px #B1E7D4; box-shadow:4px 4px 4px  
4px #B1E7D4 }
```

# Background

The CSS property to change the background color of an element to Hex B1E7D4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B1E7D4 }
```

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

```
.background{ background-color:#B1E7D4 }
```

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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