

# Converting Colors

Hex(7BD1E3)

Have a look what the booklet for  
Hex(7BD1E3) contains.

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# **Color**

**Hex(7BD1E3)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BD1E3
RGB	123, 209, 227
RGB Percent	48%, 82%, 89%
CMY	0.5176, 0.1804, 0.1098
CMYK	0.46, 0.08, 0.00, 0.11
HSL	190°, 65%, 69%
HSV	190°, 46%, 89%
XYZ	44.8340, 55.3579, 80.9952
YIQ	185.3380, -57.0340, -12.6340

# Conversions

## Conversions Part 2

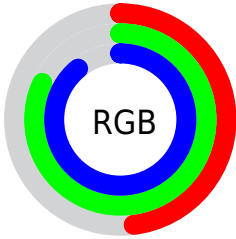
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	123, 170, 227
Decimal	8114659
CIE Lab	79.25, -21.33, -17.00
CIE LCh	79, 27.273, 218.551
Yxy	55.3579, 0.2474, 0.3055
Android (android.graphics.Color)	4286304739 (0xFF7BD1E3)
YUV	185.3380, 20.5394, -54.6704
Hunter-Lab	74.4029, -22.6439, -12.4612

# Details

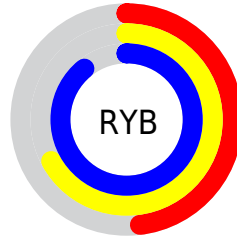
The Hex color **7BD1E3** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **E38D7B**, and the grayscale version is **B9B9B9**.

A 20% lighter version of the original color is **B5FFFF**, and **409AAC** is the 20% darker color. If you saturate the color by 10%, you get **64CDE3**, and if you desaturate by 10%, it is **92D5E3**.

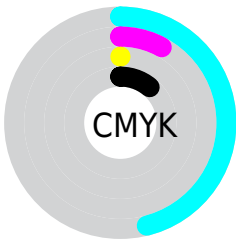
# Distribution



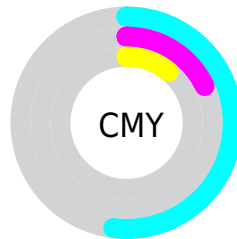
- Red (48%)
- Green (82%)
- Blue (89%)



- Red (48%)
- Yellow (67%)
- Blue (89%)



- Cyan (46%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)



- Cyan (52%)
- Magenta (18%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7BD1E3 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 7BD1E3 by changing the saturation by 10% instead.



 7BD1E3

 7BD1E3

FFFFFF

 5EB5C7


 B5FFFF

 409AAC

 D2FFFF

 1C8091

 EFFFFFF

 006777

 004F5F

 003747

 002230

 00021C

 000000

 7BD1E3

 7BD1E3

 64CDE3

 92D5E3

 4EC9E3

 A8D9E3

 37C5E3

 BFDDE3

 20C1E3

 D6E1E3

 0ABDE3

 ECE5E3

 00BCE3

 FFE9E3

 FFEDE3

 FFF0E3

 FFF4E3

# Harmonies

## Analogous

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



80D3CB



7BD1E3



8ECCF3

# Triad

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



7BD1E3



EBB4D7



D0C592

# Complementary

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



7BD1E3



E38D7B

# 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.



E7BC96



7BD1E3



F7B2BE

# Square

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



7BD1E3



D2BBEC



F6B5A6



B3CC9C

# Rectangle

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



7BD1E3



A4C7F7



F6B5A6



D8C292

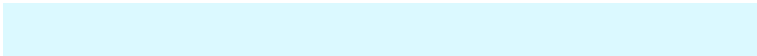


# Sweetspot

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



7BD1E3



DBF9FF



7BE38C



6A7C80



000000



808080

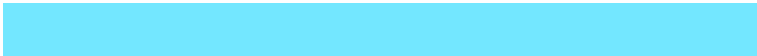


# Same Dimension

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



7BD1E3



73E7FF



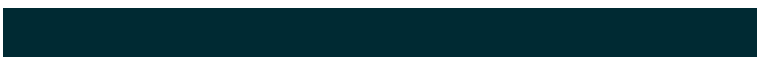
7B9EE3



677173



0094B3



002A33



# Inverse Universe

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



E37BD1



FF73E7



E3C07B



736771



B30094

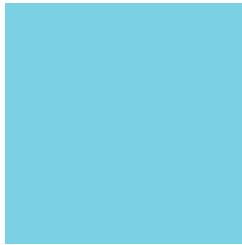


33002A



# Previews

## White Background



This preview shows how the Hex color 7BD1E3 looks on a white background.

## Color Contrast Check

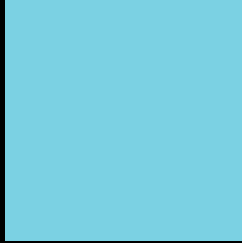
Large Text (above 18pt) WCAG AA × Fail

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 7BD1E3 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

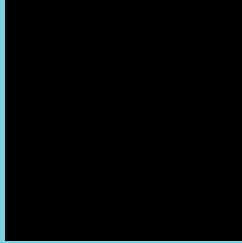
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 7BD1E3 Background



This preview shows how black text looks on a background with the Hex color 7BD1E3.

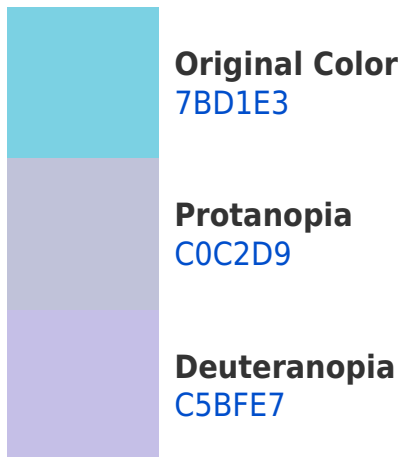


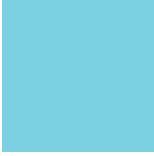
This preview shows how white text looks on a background with the Hex color 7BD1E3.

# 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](#).

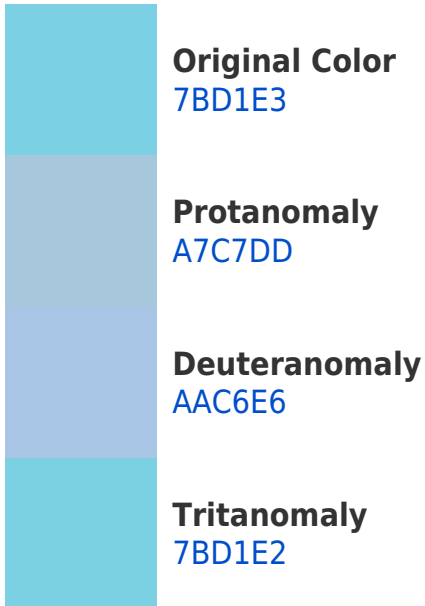
## Dichromacy



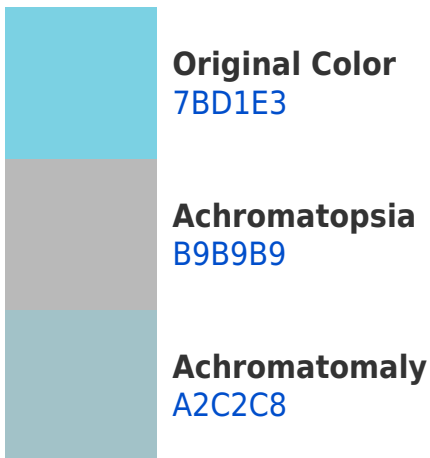


**Tritanopia**  
7BD1E2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7BD1E3 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 #7BD1E3 looks like.

```
.text, #text, p{  
    color:#7BD1E3  
}
```

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 #7BD1E3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7BD1E3
}
```

## Border

The CSS property to change the border of an element to Hex 7BD1E3 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
#7BD1E3 }
```

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

```
.border{ border-color:#7BD1E3 }
```

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

Here you see how a box with a 4 pixel #7BD1E3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7BD1E3; -webkit-box-shadow:4px 4px  
4px 4px #7BD1E3; box-shadow:4px 4px 4px  
4px #7BD1E3 }
```

# Background

The CSS property to change the background color of an element to Hex 7BD1E3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7BD1E3 }
```

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

```
.background{ background-color:#7BD1E3 }
```

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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