

# Converting Colors

Hex(7DD7E1)

Have a look what the booklet for  
Hex(7DD7E1) contains.

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# **Color**

**Hex(7DD7E1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DD7E1
RGB	125, 215, 225
RGB Percent	49%, 84%, 88%
CMY	0.5098, 0.1569, 0.1176
CMYK	0.44, 0.04, 0.00, 0.12
HSL	186°, 62%, 69%
HSV	186°, 44%, 88%
XYZ	46.3485, 58.3971, 80.0631
YIQ	189.2300, -56.8500, -15.9700

# Conversions

## Conversions Part 2

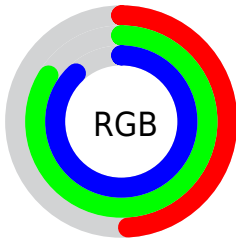
Format	Color
<a href="#">RYB</a>	<a href="#">125, 172, 225</a>
Decimal	<a href="#">8247265</a>
CIELab	<a href="#">80.96, -24.37, -13.35</a>
CIELCh	<a href="#">81, 27.790, 208.705</a>
Yxy	<a href="#">58.3971, 0.2508, 0.3160</a>
Android (android.graphics.Color)	<a href="#">4286437345</a> ( <a href="#">0xFF7DD7E1</a> )
YUV	<a href="#">189.2300, 17.6346, -56.3297</a>
Hunter-Lab	<a href="#">76.4180, -25.4689, -8.6255</a>

# Details

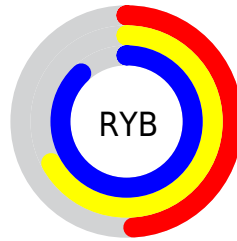
The Hex color **7DD7E1** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **E1877D**, and the grayscale version is **BDBDBD**.

A 20% lighter version of the original color is **B7FFFF**, and **42A0AA** is the 20% darker color. If you saturate the color by 10%, you get **66D5E1**, and if you desaturate by 10%, it is **93D9E1**.

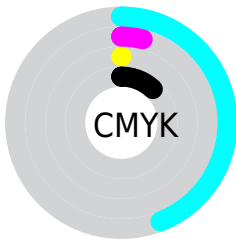
# Distribution



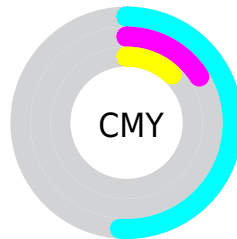
- Red (49%)
- Green (84%)
- Blue (88%)



- Red (49%)
- Yellow (67%)
- Blue (88%)



- Cyan (44%)
- Magenta (4%)
- Yellow (0%)
- Black (12%)



- Cyan (51%)
- Magenta (16%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7DD7E1 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 7DD7E1 by changing the saturation by 10% instead.



 7DD7E1

 7DD7E1

FFFFFF

 60BBC5

 B7FFFF

 42A0AA

 D4FFFF

 1F868F

 F1FFFF

 006C76

 00545D

 003C45

 00262F

 00081B

 000000

 7DD7E1

 7DD7E1

 66D5E1

 93D9E1

 50D2E1

 AADBE1

 39D0E1

 C1DEE1

 23CEE1

 D7E0E1

 0CCCE1

 EEE2E1

 00CAE1

 FFE4E1

 FFE7E1

 FFE9E1

 FFEBE1

# Harmonies

## Analogous

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



89D8C7



7DD7E1



89D3F5

# Triad

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



7DD7E1



EABBE4



DDC795

# Complementary

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



7DD7E1



E1877D

# 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.



F3BE9E



7DD7E1



FBB6CB

# Square

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



7DD7E1



CCC3F7



FEB8B1



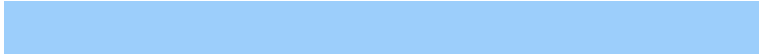
C2CF9B

# Rectangle

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



7DD7E1



9CCEFB



FEB8B1



E5C496

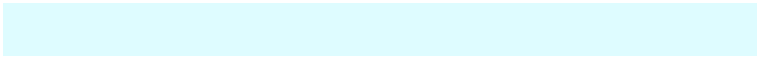


# Sweetspot

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



7DD7E1



DEFCFF



7DE187



6B7D80



000000



808080



# Same Dimension

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



7DD7E1



78F1FF



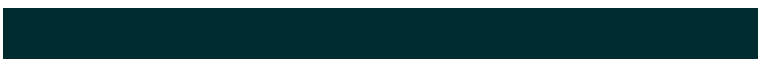
7DA5E1



656F70



009EB0



002C30



# Inverse Universe

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



E17DD7



FF78F1



E1B97D



70656F



B0009E

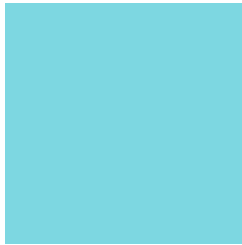


30002C



# Previews

## White Background



This preview shows how the Hex color 7DD7E1 looks on a white background.

## Color Contrast Check

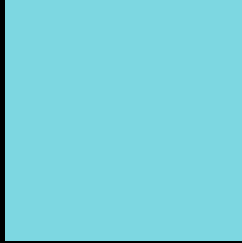
Large Text (above 18pt) WCAG AA × Fail

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 7DD7E1 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 7DD7E1 Background



This preview shows how black text looks on a background with the Hex color 7DD7E1.

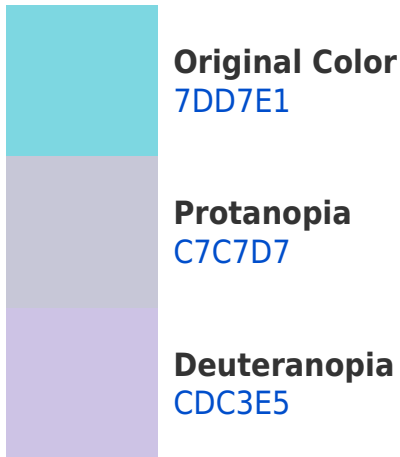


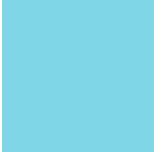
This preview shows how white text looks on a background with the Hex color 7DD7E1.

# 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](#).

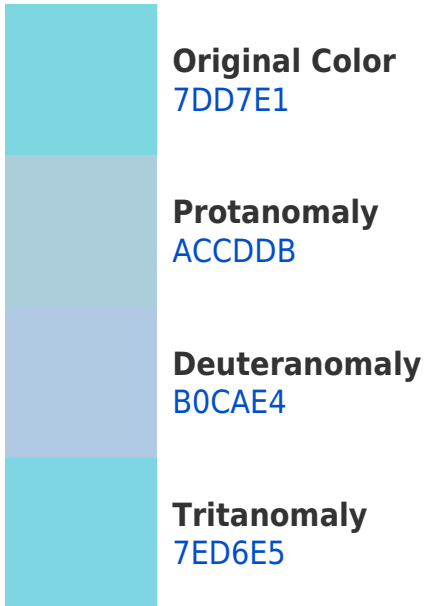
## Dichromacy



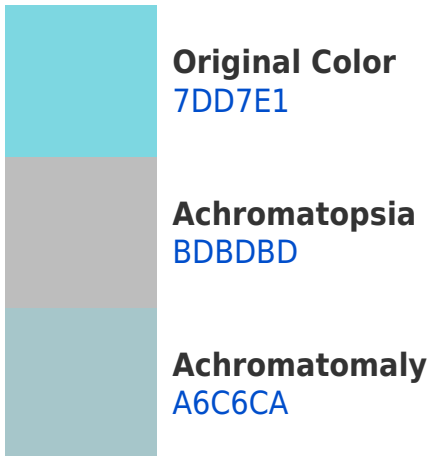


**Tritanopia**  
7FD6E7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7DD7E1 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 #7DD7E1 looks like.

```
.text, #text, p{  
    color:#7DD7E1  
}
```

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 #7DD7E1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7DD7E1
}
```

## Border

The CSS property to change the border of an element to Hex 7DD7E1 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
#7DD7E1 }
```

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

```
.border{ border-color:#7DD7E1 }
```

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

Here you see how a box with a 4 pixel #7DD7E1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7DD7E1; -webkit-box-shadow:4px 4px  
4px 4px #7DD7E1; box-shadow:4px 4px 4px  
4px #7DD7E1 }
```

# Background

The CSS property to change the background color of an element to Hex 7DD7E1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7DD7E1 }
```

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

```
.background{ background-color:#7DD7E1 }
```

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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