

# Converting Colors

Hex(70DDBD)

Have a look what the booklet for  
Hex(70DDBD) contains.

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# Color

**Hex(70DDBD)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70DDBD
RGB	112, 221, 189
RGB Percent	44%, 87%, 74%
CMY	0.5608, 0.1333, 0.2588
CMYK	0.49, 0.00, 0.14, 0.13
HSL	162°, 62%, 65%
HSV	162°, 49%, 87%
XYZ	41.7239, 58.8318, 57.3007
YIQ	184.7610, -54.6920, -33.0600

# Conversions

## Conversions Part 2

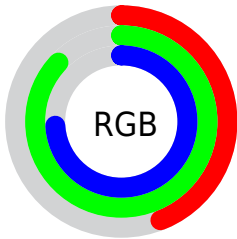
<b>Format</b>	<b>Color</b>
<b>RYB</b>	112, 176, 221
Decimal	7396797
CIELab	81.20, -38.96, 6.11
CIELCh	81, 39.436, 171.083
Yxy	58.8318, 0.2643, 0.3727
Android (android.graphics.Color)	4285586877 (0xFF70DDBD)
YUV	184.7610, 2.0898, -63.8114
Hunter-Lab	76.7019, -37.1289, 9.3983

# Details

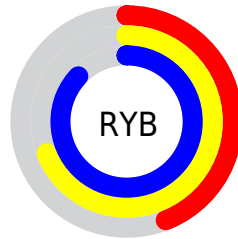
The Hex color **70DDBD** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **DD7090**, and the grayscale version is **B9B9B9**.

A 20% lighter version of the original color is **AAFF5**, and **33A588** is the 20% darker color. If you saturate the color by 10%, you get **5ADD87**, and if you desaturate by 10%, it is **86DDC3**.

# Distribution



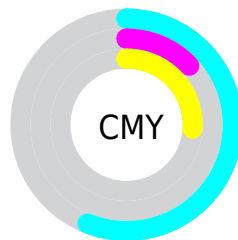
- Red (44%)
- Green (87%)
- Blue (74%)



- Red (44%)
- Yellow (69%)
- Blue (87%)



- Cyan (49%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)



- Cyan (56%)
- Magenta (13%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 70DDBD 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 70DDBD by changing the saturation by 10% instead.



 70DDBD

 70DDBD

FFFFFF

 53C1A2

 AAFF5

 33A588

 C7FFF

 008A6E

 E5FFF

 007056

 00573F

 003F29

 002915

 000800

 000000

 70DDBD

 70DDBD

 5ADDDB7

 86DDC3

 44DDB0

 9CDDCA

 2EDDAA

 B2DDD0

 18DDA3

 C8DDD7

 01DD9D

 DFDDDD

 00DD9C

 F5DDE4

 FFDDEA

 FFDDF1

 FFDDF7

# Harmonies

## Analogous

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



9ED89A



70DDBD



47DDE3

# Triad

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



70DDBD



BFC4FF



FFB792

# Complementary

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



70DDBD



DD7090

# 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.



FFAFB1



70DDBD



EEB7F8

# Square

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



70DDBD



84D1FF



FFAED6



EDC481

# Rectangle

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



70DDBD



44DBF9



FFAED6



FFB49B

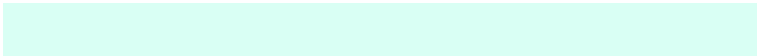


# Sweetspot

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



70DDBD



D9FFF4



91DD70



698079



000000



808080



# Same Dimension

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



70DDBD



69FFD3



70C7DD



636E6A



00AD7A



002E20



# Inverse Universe

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



DD7090



FF6995



DD8670



6E6366



AD0033

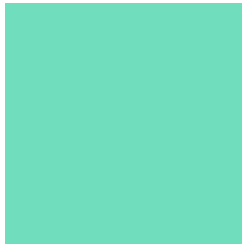


2E000D



# Previews

## White Background



This preview shows how the Hex color 70DDBD looks on a white background.

## Color Contrast Check

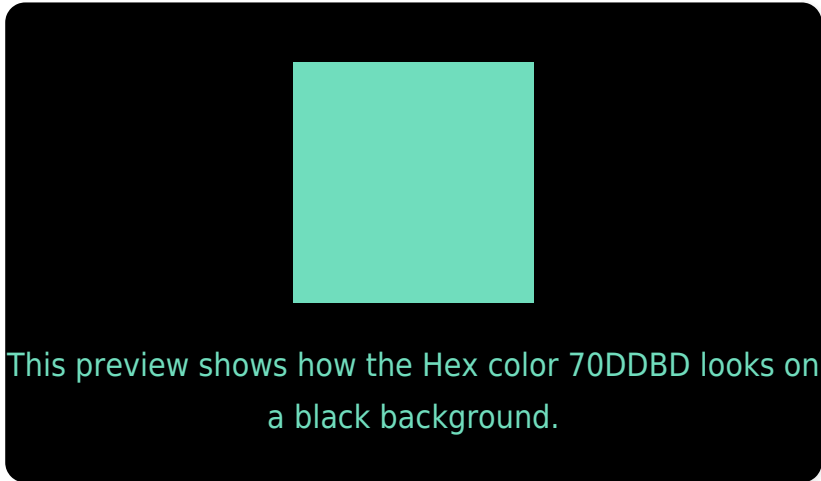
Large Text (above 18pt) WCAG AA × Fail

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

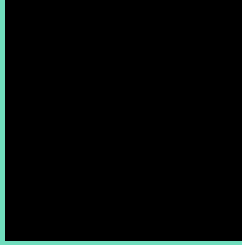
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

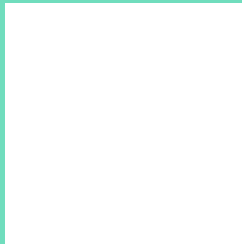
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 70DDBD Background



This preview shows how black text looks on a background with the Hex color 70DDBD.

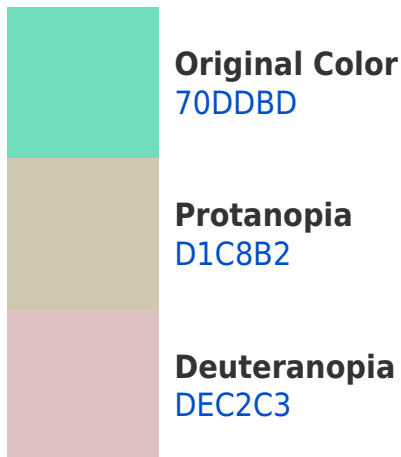


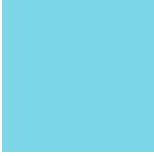
This preview shows how white text looks on a background with the Hex color 70DDBD.

# 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**  
7DD7E8

# Trichromacy



**Original Color**  
70DDBD



**Protanomaly**  
AED0B6



**Deuteranomaly**  
B6CCC1



**Tritanomaly**  
78D9D8

# Monochromacy



**Original Color**  
70DDBD



**Achromatopsia**  
B9B9B9



**Achromatomaly**  
9EC6BA

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 70DDBD 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 #70DDBD looks like.

```
.text, #text, p{  
    color:#70DDBD  
}
```

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 #70DDBD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #70DDBD
}
```

## Border

The CSS property to change the border of an element to Hex 70DDBD 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
#70DDBD }
```

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

```
.border{ border-color:#70DDBD }
```

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

Here you see how a box with a 4 pixel #70DDBD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #70DDBD; -webkit-box-shadow:4px 4px  
4px 4px #70DDBD; box-shadow:4px 4px 4px  
4px #70DDBD }
```

# Background

The CSS property to change the background color of an element to Hex 70DDBD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#70DDBD }
```

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

```
.background{ background-color:#70DDBD }
```

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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