

# Converting Colors

Hex(68D8DC)

Have a look what the booklet for  
Hex(68D8DC) contains.

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# **Color**

**Hex(68D8DC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68D8DC
RGB	104, 216, 220
RGB Percent	41%, 85%, 86%
CMY	0.5922, 0.1529, 0.1373
CMYK	0.53, 0.02, 0.00, 0.14
HSL	182°, 62%, 64%
HSV	182°, 53%, 86%
XYZ	43.1831, 57.2221, 76.4791
YIQ	182.9680, -68.0360, -22.5000

# Conversions

## Conversions Part 2

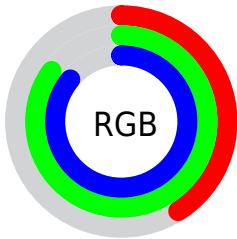
Format	Color
<a href="#">RYB</a>	104, 161, 220
Decimal	6871260
CIELab	80.30, -30.72, -11.74
CIElCh	80, 32.891, 200.914
Yxy	57.2221, 0.2441, 0.3235
Android (android.graphics.Color)	4285061340 (0xFF68D8DC)
YUV	182.9680, 18.2568, -69.2549
Hunter-Lab	75.6453, -30.4803, -6.9919

# Details

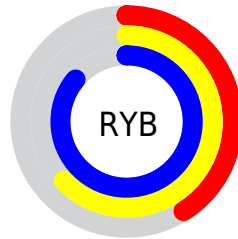
The Hex color **68D8DC** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **DC6C68**, and the grayscale version is **B7B7B7**.

A 20% lighter version of the original color is **A4FFFF**, and **22A1A5** is the 20% darker color. If you saturate the color by 10%, you get **52D7DC**, and if you desaturate by 10%, it is **7ED9DC**.

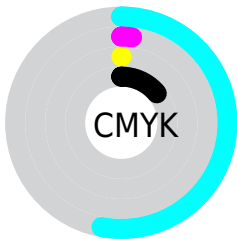
# Distribution



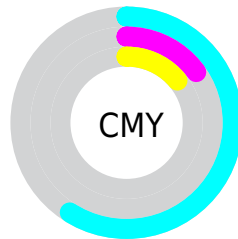
- Red (41%)
- Green (85%)
- Blue (86%)



- Red (41%)
- Yellow (63%)
- Blue (86%)



- Cyan (53%)
- Magenta (2%)
- Yellow (0%)
- Black (14%)



- Cyan (59%)
- Magenta (15%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68D8DC 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 68D8DC by changing the saturation by 10% instead.



 68D8DC

 68D8DC

FFFFFF

 48BCC0

 A4FFFF

 22A1A5

 C1FFFF

 00868B

 DFFFFF

 006D71

FEFFFF

 005459

 003C42

 00262B

 000318

 000000

68D8DC

68D8DC

52D7DC

7ED9DC

3CD6DC

94DADC

26D6DC

AADADC

10D5DC

C0DBDC

00D4DC

D6DCDC

ECDDDC

FFDDDC

FFDEDC

FFDFDC

# Harmonies

## Analogous

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



81D8BC



68D8DC



6ED4F6

# Triad

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



68D8DC



E5B8EE



E6C28B

# Complementary

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



68D8DC



DC6C68

# 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.



FCB899



68D8DC



FEB1D2

# Square

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



68D8DC



BFC3FF



FFB1B3



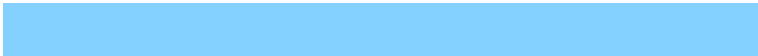
C7CC8D

# Rectangle

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



68D8DC



84D0FF



FFB1B3



EEBF8E

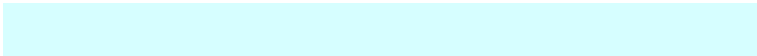


# Sweetspot

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



68D8DC



D6FEFF



68DC6C



677F80



000000



808080



# Same Dimension

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



68D8DC



5EF9FF



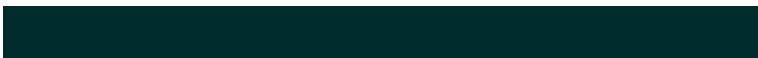
689EDC



636D6E



00A7AD



002C2E



# Inverse Universe

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



DC68D8



FF5EF9



DCA668



6E636D



AD00A7

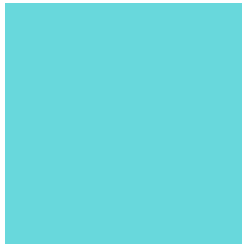


2E002C



# Previews

## White Background



This preview shows how the Hex color 68D8DC looks on a white background.

## Color Contrast Check

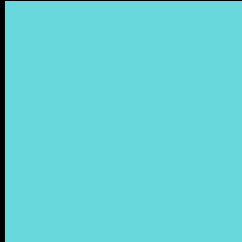
Large Text (above 18pt) WCAG AA × Fail

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 68D8DC 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 68D8DC Background



This preview shows how black text looks on a background with the Hex color 68D8DC.

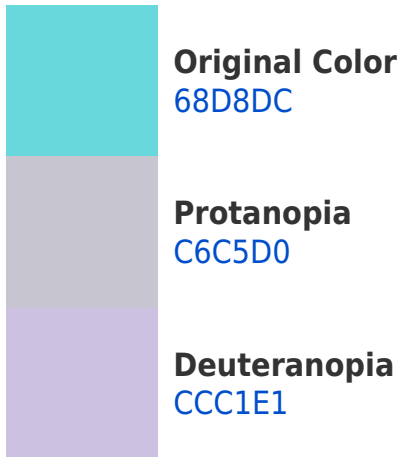


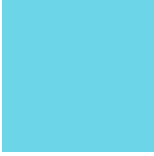
This preview shows how white text looks on a background with the Hex color 68D8DC.

# 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**  
6CD6E8

# Trichromacy



**Original Color**  
68D8DC



**Protanomaly**  
A4CCD4



**Deuteranomaly**  
A8C9DF

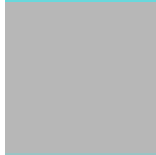


**Tritanomaly**  
6BD7E4

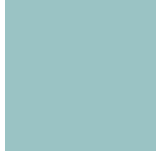
# Monochromacy



**Original Color**  
68D8DC



**Achromatopsia**  
B7B7B7



**Achromatomaly**  
9AC3C4

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68D8DC 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 #68D8DC looks like.

```
.text, #text, p{  
    color:#68D8DC  
}
```

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 #68D8DC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68D8DC  
}
```

## Border

The CSS property to change the border of an element to Hex 68D8DC 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  
#68D8DC }
```

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

```
.border{ border-color:#68D8DC }
```

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

Here you see how a box with a 4 pixel #68D8DC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68D8DC; -webkit-box-shadow:4px 4px  
4px 4px #68D8DC; box-shadow:4px 4px 4px  
4px #68D8DC }
```

# Background

The CSS property to change the background color of an element to Hex 68D8DC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68D8DC }
```

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

```
.background{ background-color:#68D8DC }
```

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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