

# Converting Colors

Hex(64D8DC)

Have a look what the booklet for  
Hex(64D8DC) contains.

|  |    |
|--|----|
| <b>Hex(64D8DC)</b> .....                       | 3  |
| <i><b>Conversions</b></i> .....                | 4  |
| <i><b>Details</b></i> .....                    | 6  |
| <i><b>Harmonies</b></i> .....                  | 11 |
| <i><b>Previews</b></i> .....                   | 23 |
| <i><b>Color Blindness Simulation</b></i> ..... | 26 |
| <i><b>CSS Examples</b></i> .....               | 29 |

**Color**

**Hex(64D8DC)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 64D8DC                       |
| RGB         | 100, 216, 220                |
| RGB Percent | 39%, 85%, 86%                |
| CMY         | 0.6078, 0.1529, 0.1373       |
| CMYK        | 0.55, 0.02, 0.00, 0.14       |
| HSL         | 182°, 63%, 63%               |
| HSV         | 182°, 55%, 86%               |
| XYZ         | 42.7297, 56.9884, 76.4579    |
| YIQ         | 181.7720, -70.4200, -23.3480 |

# Conversions

## Conversions Part 2

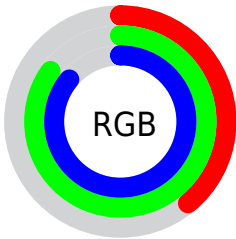
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">100, 159, 220</a>                                |
| Decimal                             | <a href="#">6609116</a>                                      |
| CIELab                              | <a href="#">80.17, -31.51, -11.95</a>                        |
| CIElCh                              | <a href="#">80, 33.699, 200.772</a>                          |
| Yxy                                 | <a href="#">56.9884, 0.2425, 0.3235</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4284799196</a><br>( <a href="#">0xFF64D8DC</a> ) |
| YUV                                 | <a href="#">181.7720, 18.8464, -71.7140</a>                  |
| Hunter-Lab                          | <a href="#">75.4906, -31.0730, -7.2062</a>                   |

# Details

The Hex color **64D8DC** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **DC6864**, and the grayscale version is **B6B6B6**.

A 20% lighter version of the original color is **A0FFFF**, and **19A1A5** is the 20% darker color. If you saturate the color by 10%, you get **4ED7DC**, and if you desaturate by 10%, it is **7AD9DC**.

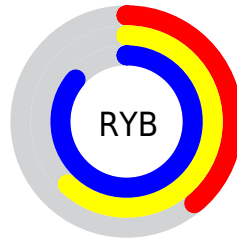
# Distribution



Red (39%)

Green (85%)

Blue (86%)



Red (39%)

Yellow (62%)

Blue (86%)

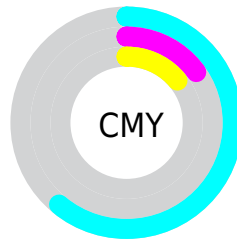


Cyan (55%)

Magenta (2%)

Yellow (0%)

Black (14%)



Cyan (61%)

Magenta (15%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 64D8DC 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 64D8DC by changing the saturation by 10% instead.



 64D8DC

 64D8DC

FFFFFF

 43BCC0

 A0FFFF

 19A1A5

 BEFFFF

 00868B

 DCFFFF


 006D71

 FAFFFF

 005459

 003C42

 00262B

 000218

 000000

■ 64D8DC

■ 64D8DC

■ 4ED7DC

■ 7AD9DC

■ 38D7DC

■ 90D9DC

■ 22D6DC

■ A6DADC

■ 0CD5DC

■ BCDBDC

■ 00D5DC

■ D2DCDC

■ E8DCDC

■ FEDDDC

■ FFDEDC

■ FFDFDC

# Harmonies

## Analogous

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



7ED8BC



64D8DC



69D4F7

# Triad

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



64D8DC



E6B7EF



E6C289

# Complementary

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



64D8DC



DC6864

# 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.



FDB797



64D8DC



FFB0D2

# Square

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



64D8DC



BEC2FF



FFB0B2



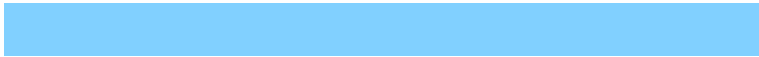
C6CC8B

# Rectangle

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



64D8DC



81D0FF



FFB0B2



EFBE8C

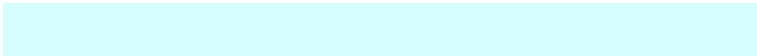


# Sweetspot

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



64D8DC



D6FEFF



64DC68



677F80



000000



808080



# Same Dimension

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



64D8DC



59F9FF



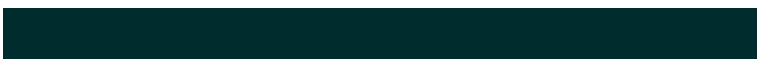
649CDC



636D6E



00A8AD



002C2E



# Inverse Universe

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



DC64D8



FF59F9



DCA464



6E636D



AD00A8

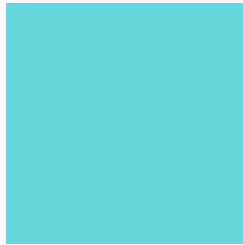


2E002C



# Previews

## White Background



This preview shows how the Hex color 64D8DC looks on a white background.

## Color Contrast Check

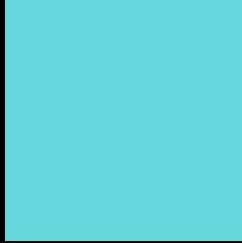
Large Text (above 18pt) WCAG AA × Fail

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 64D8DC looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

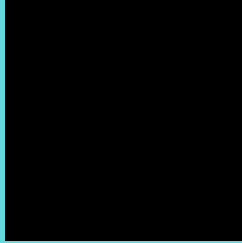
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 64D8DC Background



This preview shows how black text looks on a background with the Hex color 64D8DC.

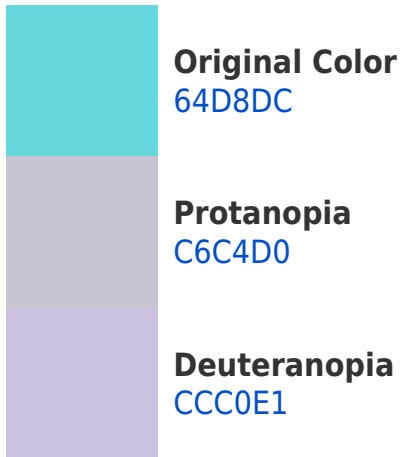


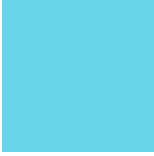
This preview shows how white text looks on a background with the Hex color 64D8DC.

# 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](#).

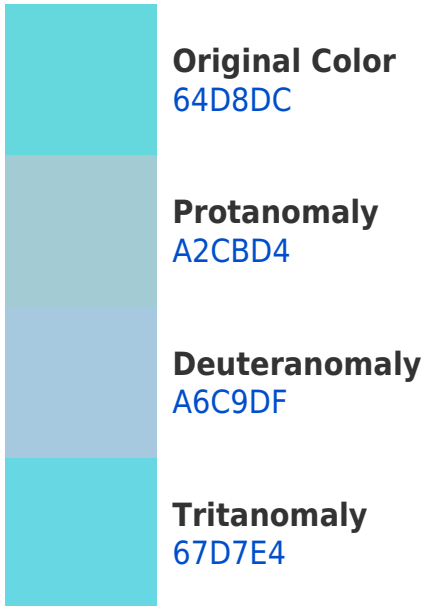
## Dichromacy





**Tritanopia**  
68D6E8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 64D8DC 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 #64D8DC looks like.

```
.text, #text, p{  
    color:#64D8DC  
}
```

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 #64D8DC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #64D8DC
}
```

## Border

The CSS property to change the border of an element to Hex 64D8DC 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
#64D8DC }
```

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

```
.border{ border-color:#64D8DC }
```

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

Here you see how a box with a 4 pixel #64D8DC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #64D8DC; -webkit-box-shadow:4px 4px  
4px 4px #64D8DC; box-shadow:4px 4px 4px  
4px #64D8DC }
```

# Background

The CSS property to change the background color of an element to Hex 64D8DC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#64D8DC }
```

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

```
.background{ background-color:#64D8DC }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor