

# Converting Colors

Hex(2FD8D4)

Have a look what the booklet for  
Hex(2FD8D4) contains.

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# Color

**Hex(2FD8D4)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2FD8D4
RGB	47, 216, 212
RGB Percent	18%, 85%, 83%
CMY	0.8157, 0.1529, 0.1686
CMYK	0.78, 0.00, 0.02, 0.15
HSL	179°, 68%, 52%
HSV	179°, 78%, 85%
XYZ	37.6118, 54.4695, 70.8187
YIQ	165.0130, -99.4400, -37.0720

# Conversions

## Conversions Part 2

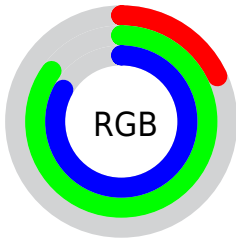
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 133, 216
Decimal	3135700
CIELab	78.73, -41.26, -9.95
CIELCh	79, 42.438, 193.558
Yxy	54.4695, 0.2309, 0.3344
Android (android.graphics.Color)	4281325780 (0xFF2FD8D4)
YUV	165.0130, 23.1646, -103.4974
Hunter-Lab	73.8035, -38.1887, -5.2297

# Details

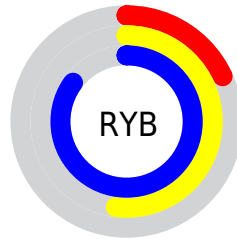
The Hex color **2FD8D4** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **D82F33**, and the grayscale version is **A5A5A5**.

A 20% lighter version of the original color is **7BFFFF**, and **00A09E** is the 20% darker color. If you saturate the color by 10%, you get **19D8D3**, and if you desaturate by 10%, it is **45D8D5**.

# Distribution



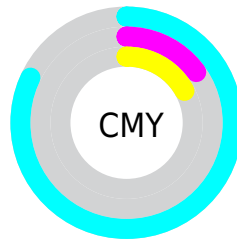
- Red (18%)
- Green (85%)
- Blue (83%)



- Red (18%)
- Yellow (52%)
- Blue (85%)



- Cyan (78%)
- Magenta (0%)
- Yellow (2%)
- Black (15%)



- Cyan (82%)
- Magenta (15%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2FD8D4 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 2FD8D4 by changing the saturation by 10% instead.



 2FD8D4

 2FD8D4

FFFFFF

 00BCB8

 7BFFFF

 00A09E

 9BFFFF

 008683

 BBFFFF

 006C6A

 DAFFFF

 005352

 F9FFFF

 003A3B

 002626

 000111

 000000

 2FD8D4

 2FD8D4

 19D8D3

 45D8D5

 04D8D3

 5AD8D5

 00D8D3

 70D8D6

 85D8D6

 9BD8D7

 B1D8D7

 C6D8D8

 DCD8D8

 F1D8D9

# Harmonies

## Analogous

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



6DD6AB



2FD8D4



0ED5F8

# Triad

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



2FD8D4



DEB2FC



F0B977

# Complementary

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



2FD8D4



D82F33

# 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.



FFAC8E



2FD8D4



FFA7DA

# Square

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



2FD8D4



A7C1FF



FFA4B2



CBC675

# Rectangle

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



2FD8D4



48D0FF



FFA4B2



F9B47D

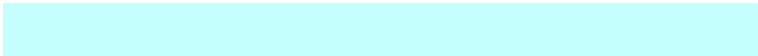


# Sweetspot

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



2FD8D4



C4FFFE



35D82F



5C807F



000000



808080



# Same Dimension

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



2FD8D4



0FFFF9



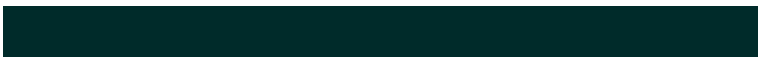
2F89D8



606B6B



00ABA7



002B2A



# Inverse Universe

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



D82F33



FF0F15



D87E2F



6B6061



AB0004

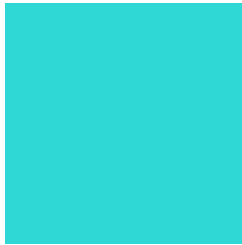


2B0001



# Previews

## White Background



This preview shows how the Hex color 2FD8D4 looks on a white background.

## Color Contrast Check

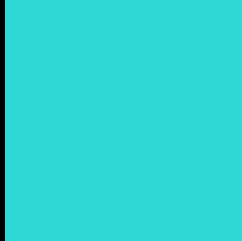
Large Text (above 18pt) WCAG AA × Fail

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 2FD8D4 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

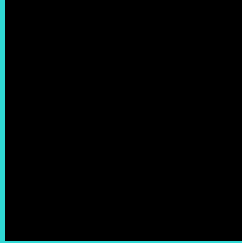
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

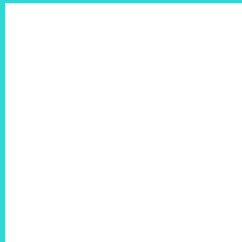
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2FD8D4 Background



This preview shows how black text looks on a background with the Hex color 2FD8D4.

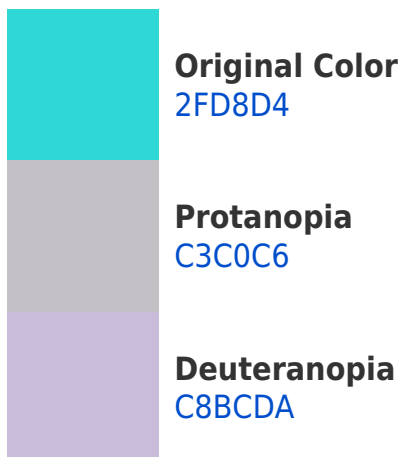


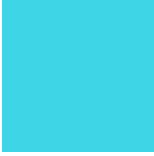
This preview shows how white text looks on a background with the Hex color 2FD8D4.

# 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**  
3ED5E7

# Trichromacy



**Original Color**  
2FD8D4



**Protanomaly**  
8DC9CB



**Deuteranomaly**  
90C6D8

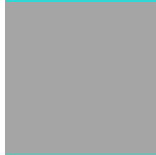


**Tritanomaly**  
39D6E0

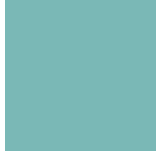
# Monochromacy



**Original Color**  
2FD8D4



**Achromatopsia**  
A5A5A5



**Achromatomaly**  
7AB8B6

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2FD8D4 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 #2FD8D4 looks like.

```
.text, #text, p{  
    color:#2FD8D4  
}
```

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 #2FD8D4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2FD8D4
}
```

## Border

The CSS property to change the border of an element to Hex 2FD8D4 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
#2FD8D4 }
```

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

```
.border{ border-color:#2FD8D4 }
```

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

Here you see how a box with a 4 pixel #2FD8D4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2FD8D4; -webkit-box-shadow:4px 4px  
4px 4px #2FD8D4; box-shadow:4px 4px 4px  
4px #2FD8D4 }
```

# Background

The CSS property to change the background color of an element to Hex 2FD8D4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2FD8D4 }
```

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

```
.background{ background-color:#2FD8D4 }
```

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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