

# Converting Colors

Hex(28D7A9)

Have a look what the booklet for  
Hex(28D7A9) contains.

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**Color**

**Hex(28D7A9)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28D7A9
RGB	40, 215, 169
RGB Percent	16%, 84%, 66%
CMY	0.8431, 0.1569, 0.3373
CMYK	0.81, 0.00, 0.21, 0.16
HSL	164°, 69%, 50%
HSV	164°, 81%, 84%
XYZ	32.3369, 51.9166, 45.8527
YIQ	157.4310, -89.5340, -51.4060

# Conversions

## Conversions Part 2

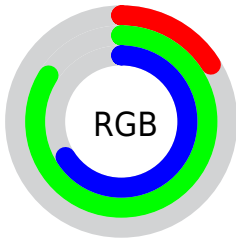
Format	Color
<a href="#">RYB</a>	<a href="#">40, 141, 215</a>
Decimal	<a href="#">2676649</a>
CIELab	<a href="#">77.23, -52.81, 10.83</a>
CIElCh	<a href="#">77, 53.905, 168.407</a>
Yxy	<a href="#">51.9166, 0.2485, 0.3990</a>
Android (android.graphics.Color)	<a href="#">4280866729 (0xFF28D7A9)</a>
YUV	<a href="#">157.4310, 5.7035, -102.9870</a>
Hunter-Lab	<a href="#">72.0532, -45.9835, 12.7066</a>

# Details

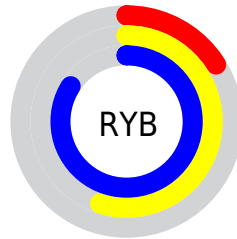
The Hex color **28D7A9** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **D72856**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **75FFE0**, and **009F75** is the 20% darker color. If you saturate the color by 10%, you get **13D7A3**, and if you desaturate by 10%, it is **3ED7AF**.

# Distribution



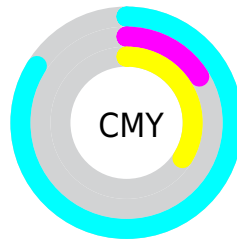
- Red (16%)
- Green (84%)
- Blue (66%)



- Red (16%)
- Yellow (55%)
- Blue (84%)



- Cyan (81%)
- Magenta (0%)
- Yellow (21%)
- Black (16%)



- Cyan (84%)
- Magenta (16%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 28D7A9 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 28D7A9 by changing the saturation by 10% instead.



 28D7A9

 28D7A9

FFFFFF

 00BB8F

 75FFE0

 009F75

 94FFFD

 00845C

 B3FFFF

 006A45

 D2FFFF

 00502E

 F1FFFF

 003819

 002100

 000000

 28D7A9

 28D7A9

■ 13D7A3

■ 3ED7AF

■ 00D79E

■ 53D7B4

■ 69D7BA

■ 7ED7C0

■ 94D7C5

■ A9D7CB

■ BFD7D1

■ D4D7D6

■ EAD7DC

# Harmonies

## Analogous

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



85D17A



28D7A9



00D8DD

# Triad

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



28D7A9



A3B9FF



FFA376

# Complementary

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



28D7A9



D72856

# 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.



FF96A2



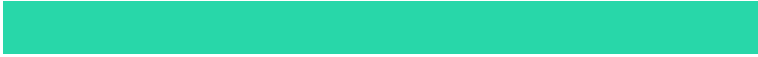
28D7A9



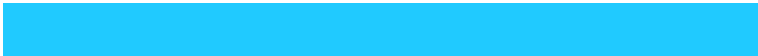
E9A6FF

# Square

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



28D7A9



20CAFF



FF97D4



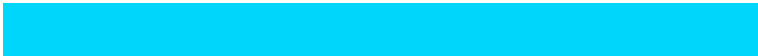
EDB55B

# Rectangle

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



28D7A9



00D6FB



FF97D4



FF9E83

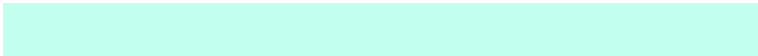


# Sweetspot

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



28D7A9



C2FFEF



57D728



5B8076



000000



808080



# Same Dimension

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



28D7A9



05FFBD



28AED7



606B68



00AB7E



002B20



# Inverse Universe

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



D72856



FF0547



D75128



6B6063



AB002D

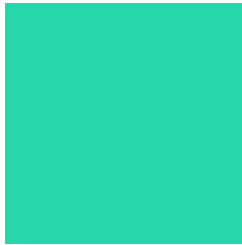


2B000B



# Previews

## White Background



This preview shows how the Hex color 28D7A9 looks on a white background.

## Color Contrast Check

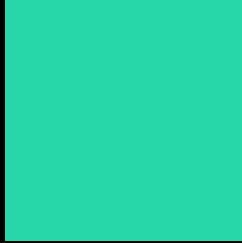
Large Text (above 18pt) WCAG AA × Fail

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 28D7A9 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

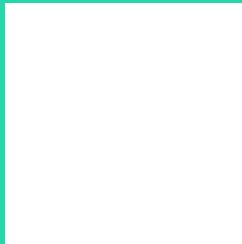
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 28D7A9 Background



This preview shows how black text looks on a background with the Hex color 28D7A9.

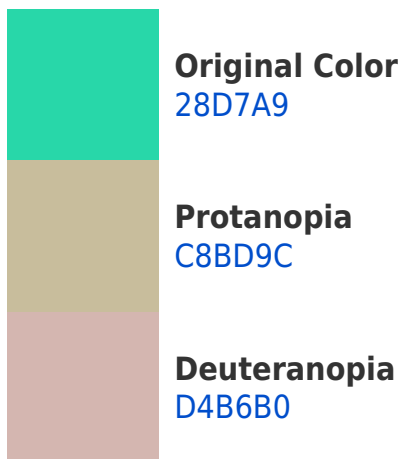


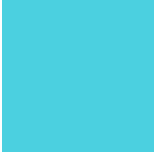
This preview shows how white text looks on a background with the Hex color 28D7A9.

# 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](#).

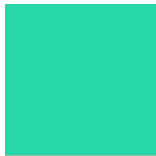
## Dichromacy





**Tritanopia**  
4BD0E0

# Trichromacy



**Original Color**  
28D7A9



**Protanomaly**  
8EC6A1



**Deuteranomaly**  
95C2AD



**Tritanomaly**  
3ED3CC

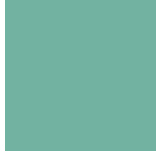
# Monochromacy



**Original Color**  
28D7A9



**Achromatopsia**  
9D9D9D



**Achromatomaly**  
72B2A1

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28D7A9 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 #28D7A9 looks like.

```
.text, #text, p{  
    color:#28D7A9  
}
```

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 #28D7A9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28D7A9
}
```

## Border

The CSS property to change the border of an element to Hex 28D7A9 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
#28D7A9 }
```

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

```
.border{ border-color:#28D7A9 }
```

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

Here you see how a box with a 4 pixel #28D7A9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28D7A9; -webkit-box-shadow:4px 4px  
4px 4px #28D7A9; box-shadow:4px 4px 4px  
4px #28D7A9 }
```

# Background

The CSS property to change the background color of an element to Hex 28D7A9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28D7A9 }
```

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

```
.background{ background-color:#28D7A9 }
```

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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