

# Converting Colors

Hex(28E1A8)

Have a look what the booklet for  
Hex(28E1A8) contains.

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# Color

**Hex(28E1A8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28E1A8
RGB	40, 225, 168
RGB Percent	16%, 88%, 66%
CMY	0.8431, 0.1176, 0.3412
CMYK	0.82, 0.00, 0.25, 0.12
HSL	162°, 76%, 52%
HSV	162°, 82%, 88%
XYZ	34.8682, 57.1287, 46.2350
YIQ	163.1870, -91.9630, -56.9470

# Conversions

## Conversions Part 2

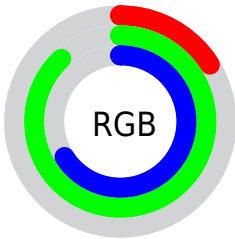
<b>Format</b>	<b>Color</b>
<b>RYB</b>	40, 149, 225
Decimal	2679208
CIELab	80.25, -56.95, 15.63
CIElCh	80, 59.052, 164.656
Yxy	57.1287, 0.2522, 0.4133
Android (android.graphics.Color)	4280869288 (0xFF28E1A8)
YUV	163.1870, 2.3728, -108.0350
Hunter-Lab	75.5835, -49.9256, 16.6403

# Details

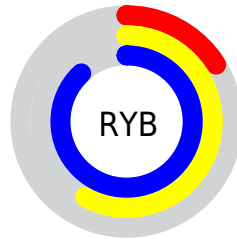
The Hex color **28E1A8** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **E12861**, and the grayscale version is **A3A3A3**.

A 20% lighter version of the original color is **77FFDF**, and **00A874** is the 20% darker color. If you saturate the color by 10%, you get **12E1A1**, and if you desaturate by 10%, it is **3FE1AF**.

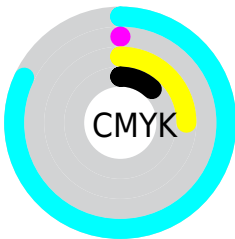
# Distribution



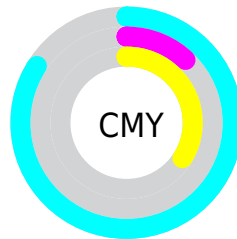
- Red (16%)
- Green (88%)
- Blue (66%)



- Red (16%)
- Yellow (58%)
- Blue (88%)



- Cyan (82%)
- Magenta (0%)
- Yellow (25%)
- Black (12%)



- Cyan (84%)
- Magenta (12%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 28E1A8 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 28E1A8 by changing the saturation by 10% instead.



 28E1A8

 28E1A8

FFFFFF

 00C48E

 77FFDF

 00A874

 97FFFC

 008D5B

 B6FFFF

 007343

 D5FFFF

 00592D

 F5FFFF

 004018

 002900

 000200

 000000

 28E1A8

 28E1A8

 12E1A1

 3FE1AF

 00E19C

 55E1B6

 6CE1BD

 82E1C4

 99E1CB

 AFE1D2

 C6E1D9

 DCE1DF

 F3E1E6

# Harmonies

## Analogous

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



8FDA75



28E1A8



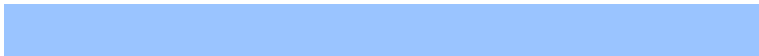
00E3E1

# Triad

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



28E1A8



9AC4FF



FFA67C

# Complementary

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



28E1A8



E12861

# 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.



FF99AE



28E1A8



EEAEFF

# Square

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



28E1A8



00D5FF



FF9CE6



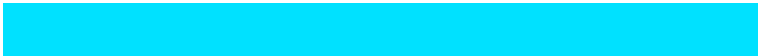
FFBA5B

# Rectangle

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



28E1A8



00E1FF



FF9CE6



FFA08B

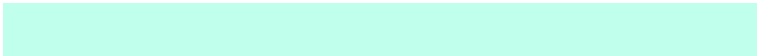


# Sweetspot

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



28E1A8



BFFFEB



63E128



598074



000000



808080



# Same Dimension

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



28E1A8



03FFB1



28BFE1



65706D



00B07A



003022



# Inverse Universe

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



E12861



FF0350



E14A28



706568



B00036

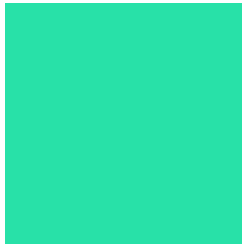


30000F



# Previews

## White Background



This preview shows how the Hex color 28E1A8 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 28E1A8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

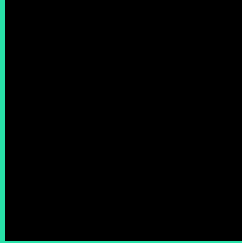
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 28E1A8 Background



This preview shows how black text looks on a background with the Hex color 28E1A8.

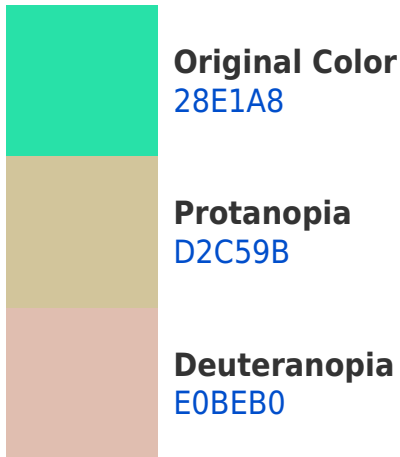


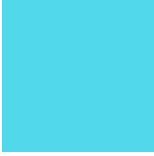
This preview shows how white text looks on a background with the Hex color 28E1A8.

# 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**  
51D8EA

# Trichromacy



**Original Color**  
28E1A8



**Protanomaly**  
94CFA0



**Deuteranomaly**  
9DCBAD



**Tritanomaly**  
42DBD2

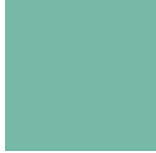
# Monochromacy



**Original Color**  
28E1A8



**Achromatopsia**  
A3A3A3



**Achromatomaly**  
76BAA5

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28E1A8 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 #28E1A8 looks like.

```
.text, #text, p{  
    color:#28E1A8  
}
```

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 #28E1A8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28E1A8
}
```

## Border

The CSS property to change the border of an element to Hex 28E1A8 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
#28E1A8 }
```

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

```
.border{ border-color:#28E1A8 }
```

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

Here you see how a box with a 4 pixel #28E1A8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28E1A8; -webkit-box-shadow:4px 4px  
4px 4px #28E1A8; box-shadow:4px 4px 4px  
4px #28E1A8 }
```

# Background

The CSS property to change the background color of an element to Hex 28E1A8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28E1A8 }
```

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

```
.background{ background-color:#28E1A8 }
```

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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