

# Converting Colors

Hex(28E8B1)

Have a look what the booklet for  
Hex(28E8B1) contains.

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# Color

**Hex(28E8B1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28E8B1
RGB	40, 232, 177
RGB Percent	16%, 91%, 69%
CMY	0.8431, 0.0902, 0.3059
CMYK	0.83, 0.00, 0.24, 0.09
HSL	163°, 81%, 53%
HSV	163°, 83%, 91%
XYZ	37.6675, 61.3387, 51.4492
YIQ	168.3220, -96.7770, -57.8090

# Conversions

## Conversions Part 2

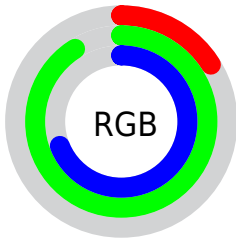
Format	Color
<a href="#">RYB</a>	<a href="#">40, 152, 232</a>
Decimal	<a href="#">2681009</a>
CIELab	<a href="#">82.56, -57.56, 14.15</a>
CIELCh	<a href="#">83, 59.279, 166.185</a>
Yxy	<a href="#">61.3387, 0.2504, 0.4077</a>
Android (android.graphics.Color)	<a href="#">4280871089 (0xFF28E8B1)</a>
YUV	<a href="#">168.3220, 4.2783, -112.5384</a>
Hunter-Lab	<a href="#">78.3190, -51.2088, 15.8746</a>

# Details

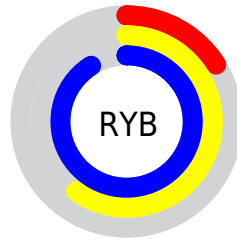
The Hex color **28E8B1** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **E8285F**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **78FFE9**, and **00AF7C** is the 20% darker color. If you saturate the color by 10%, you get **11E8AA**, and if you desaturate by 10%, it is **3FE8B8**.

# Distribution



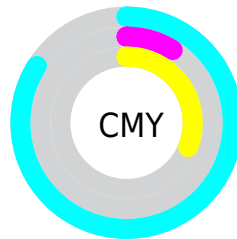
- Red (16%)
- Green (91%)
- Blue (69%)



- Red (16%)
- Yellow (60%)
- Blue (91%)



- Cyan (83%)
- Magenta (0%)
- Yellow (24%)
- Black (9%)



- Cyan (84%)
- Magenta (9%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 28E8B1 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 28E8B1 by changing the saturation by 10% instead.



 28E8B1

 28E8B1

FFFFFF

 00CB96

 78FFE9

 00AF7C

 99FFFF

 009463

 B9FFFF

 00794B

 D8FFFF

 005F34

 F7FFFF

 00451F

 002F08

 001000

 000000

 28E8B1

 28E8B1

 11E8AA

 3FE8B8

 00E8A6

 56E8BE

 6EE8C5

 85E8CC

 9CE8D2

 B3E8D9

 CAE8E0

 E2E8E6

 F9E8ED

# Harmonies

## Analogous

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



92E17D



28E8B1



00EAEB

# Triad

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



28E8B1



A6C9FF



FFAD7F

# Complementary

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



28E8B1



E8285F

# 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.



FF9FB1



28E8B1



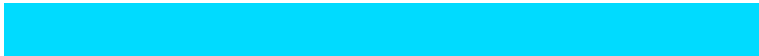
F8B3FF

# Square

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



28E8B1



00DBFF



FFA1EA



FFC15F

# Rectangle

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



28E8B1



00E8FF



FFA1EA



FFA78F

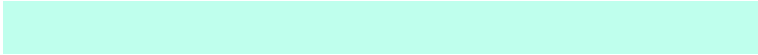


# Sweetspot

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



28E8B1



BFFFED



62E828



598075



000000

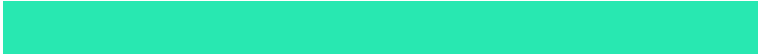


808080



# Same Dimension

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



28E8B1



03FFB7



28C2E8



67736F



00B37F



003324



# Inverse Universe

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



E8285F



FF034B



E84E28



73676B



B30033

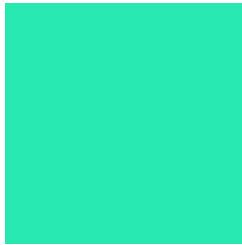


33000F



# Previews

## White Background



This preview shows how the Hex color 28E8B1 looks on a white background.

## Color Contrast Check

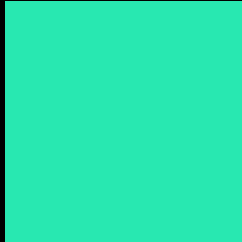
Large Text (above 18pt) WCAG AA × Fail

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 28E8B1 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 28E8B1 Background



This preview shows how black text looks on a background with the Hex color 28E8B1.

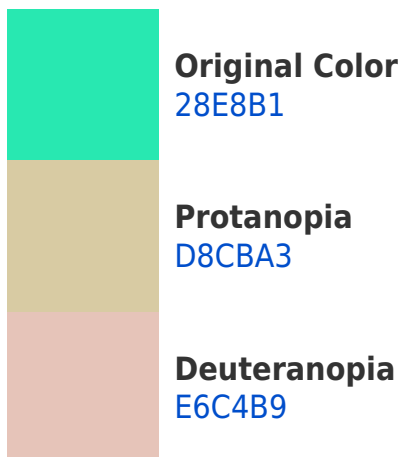


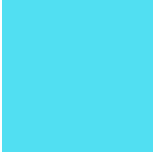
This preview shows how white text looks on a background with the Hex color 28E8B1.

# 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**  
51DFF2

# Trichromacy



**Original Color**  
28E8B1



**Protanomaly**  
98D6A8



**Deuteranomaly**  
A1D1B6

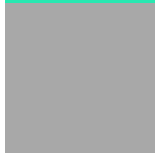


**Tritanomaly**  
42E2DA

# Monochromacy



**Original Color**  
28E8B1



**Achromatopsia**  
A8A8A8



**Achromatomaly**  
79BFAB

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28E8B1 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 #28E8B1 looks like.

```
.text, #text, p{  
    color:#28E8B1  
}
```

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 #28E8B1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28E8B1
}
```

## Border

The CSS property to change the border of an element to Hex 28E8B1 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
#28E8B1 }
```

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

```
.border{ border-color:#28E8B1 }
```

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

Here you see how a box with a 4 pixel #28E8B1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28E8B1; -webkit-box-shadow:4px 4px  
4px 4px #28E8B1; box-shadow:4px 4px 4px  
4px #28E8B1 }
```

# Background

The CSS property to change the background color of an element to Hex 28E8B1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28E8B1 }
```

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

```
.background{ background-color:#28E8B1 }
```

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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