

# Converting Colors

Hex(33E8A9)

Have a look what the booklet for  
Hex(33E8A9) contains.

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# Color

Hex(33E8A9)

# Conversions

## Conversions Part 1

Format	Color
Hex	33E8A9
RGB	51, 232, 169
RGB Percent	20%, 91%, 66%
CMY	0.8000, 0.0902, 0.3373
CMYK	0.78, 0.00, 0.27, 0.09
HSL	159°, 80%, 55%
HSV	159°, 78%, 91%
XYZ	37.3833, 61.2816, 47.3943
YIQ	170.6990, -87.6530, -57.9650

# Conversions

## Conversions Part 2

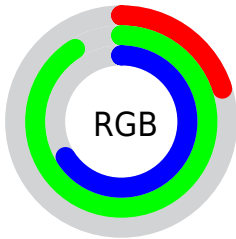
Format	Color
<a href="#">RYB</a>	<a href="#">51, 161, 232</a>
Decimal	<a href="#">3401897</a>
CIELab	<a href="#">82.53, -58.36, 18.31</a>
CIELCh	<a href="#">83, 61.163, 162.583</a>
Yxy	<a href="#">61.2816, 0.2559, 0.4196</a>
Android (android.graphics.Color)	<a href="#">4281591977 (0xFF33E8A9)</a>
YUV	<a href="#">170.6990, -0.8376, -104.9760</a>
Hunter-Lab	<a href="#">78.2826, -51.7531, 18.9021</a>

# Details

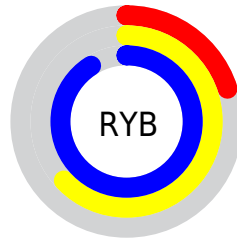
The Hex color **33E8A9** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **E83372**, and the grayscale version is **ABABAB**.

A 20% lighter version of the original color is **7DFFE0**, and **00AF75** is the 20% darker color. If you saturate the color by 10%, you get **1CE8A1**, and if you desaturate by 10%, it is **4AE8B1**.

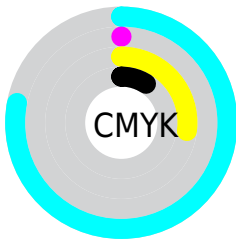
# Distribution



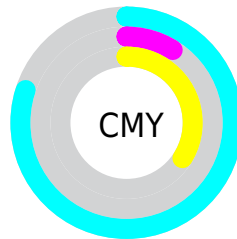
- Red (20%)
- Green (91%)
- Blue (66%)



- Red (20%)
- Yellow (63%)
- Blue (91%)



- Cyan (78%)
- Magenta (0%)
- Yellow (27%)
- Black (9%)



- Cyan (80%)
- Magenta (9%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33E8A9 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 33E8A9 by changing the saturation by 10% instead.



 33E8A9

 33E8A9

FFFFFF

 00CB8E

 7DFFE0

 00AF75

 9DFFFD

 00945C

 BDFFFF


 007944

 DCFFFF

 005F2D

 FBFFFF

 004518

 002F00

 001000

 000000

 33E8A9

 33E8A9

 1CE8A1

 4AE8B1

 05E899

 61E8B9

 00E897

 79E8C1

 90E8C9

 A7E8D1

 BEE8D9

 D5E8E2

 EDE8EA

 FFE8F2

# Harmonies

## Analogous

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



98E075



33E8A9



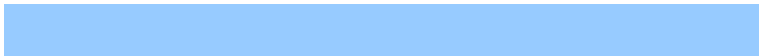
00EAE5

# Triad

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



33E8A9



97CBFF



FFA982

# Complementary

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



33E8A9



E83372

# 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.



FF9CB7



33E8A9



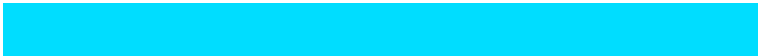
F1B5FF

# Square

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



33E8A9



00DDFF



FFA1F1



FFBE5E

# Rectangle

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



33E8A9



00E9FF



FFA1F1



FFA393

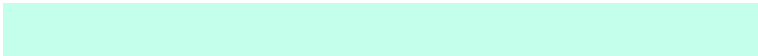


# Sweetspot

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



33E8A9



C4FFEB



72E833



5C8073



000000



808080



# Same Dimension

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



33E8A9



0FFAC



33CDE8



67736F



00B374



003321



# Inverse Universe

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



E83372



FF0F63



E84E33



73676B



B3003E

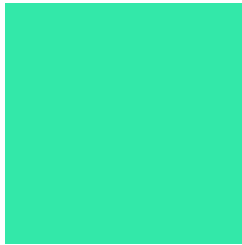


330012



# Previews

## White Background



This preview shows how the Hex color 33E8A9 looks on a white background.

## Color Contrast Check

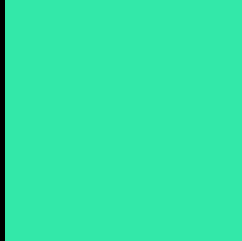
Large Text (above 18pt) WCAG AA × Fail

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 33E8A9 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

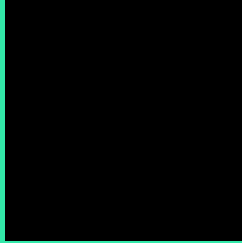
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 33E8A9 Background



This preview shows how black text looks on a background with the Hex color 33E8A9.

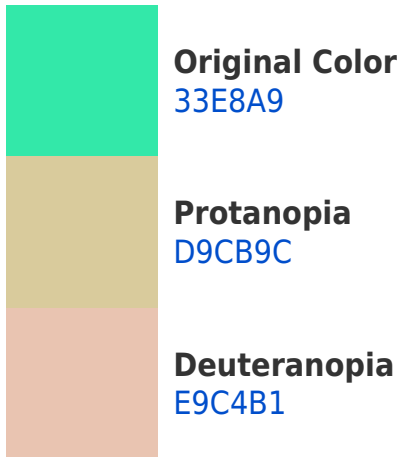


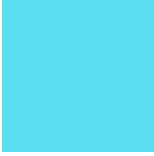
This preview shows how white text looks on a background with the Hex color 33E8A9.

# 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**  
59DFF1

# Trichromacy



**Original Color**  
33E8A9



**Protanomaly**  
9DD6A1



**Deuteranomaly**  
A7D1AE

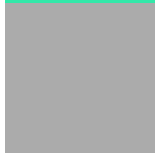


**Tritanomaly**  
4BE2D7

# Monochromacy



**Original Color**  
33E8A9



**Achromatopsia**  
ABABAB



**Achromatomaly**  
7FC1AA

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33E8A9 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 #33E8A9 looks like.

```
.text, #text, p{  
    color:#33E8A9  
}
```

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 #33E8A9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33E8A9
}
```

## Border

The CSS property to change the border of an element to Hex 33E8A9 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
#33E8A9 }
```

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

```
.border{ border-color:#33E8A9 }
```

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

Here you see how a box with a 4 pixel #33E8A9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33E8A9; -webkit-box-shadow:4px 4px  
4px 4px #33E8A9; box-shadow:4px 4px 4px  
4px #33E8A9 }
```

# Background

The CSS property to change the background color of an element to Hex 33E8A9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33E8A9 }
```

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

```
.background{ background-color:#33E8A9 }
```

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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