

Converting Colors

Hex(33DD9B)

Have a look what the booklet for
Hex(33DD9B) contains.

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Color

Hex(33DD9B)

Conversions

Conversions Part 1

Format	Color
Hex	33DD9B
RGB	51, 221, 155
RGB Percent	20%, 87%, 61%
CMY	0.8000, 0.1333, 0.3922
CMYK	0.77, 0.00, 0.30, 0.13
HSL	157°, 71%, 53%
HSV	157°, 77%, 87%
XYZ	33.1381, 54.7833, 39.8380
YIQ	162.6460, -80.1340, -56.5660

Conversions

Conversions Part 2

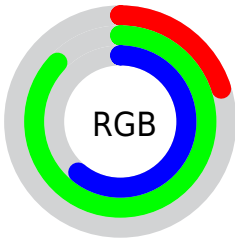
Format	Color
RYB	51, 156, 221
Decimal	3399067
CIELab	78.92, -57.21, 20.60
CIELCh	79, 60.807, 160.195
Yxy	54.7833, 0.2594, 0.4288
Android (android.graphics.Color)	4281589147 (0xFF33DD9B)
YUV	162.6460, -3.7695, -97.9135
Hunter-Lab	74.0157, -49.6100, 19.8989

Details

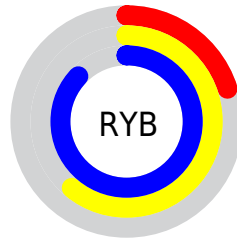
The Hex color **33DD9B** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle muted spring green. A complement of this color would be **DD3375**, and the grayscale version is **A3A3A3**.

A 20% lighter version of the original color is **7BFFD2**, and **00A568** is the 20% darker color. If you saturate the color by 10%, you get **1DDD92**, and if you desaturate by 10%, it is **49DDA4**.

Distribution



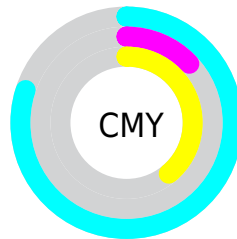
- Red (20%)
- Green (87%)
- Blue (61%)



- Red (20%)
- Yellow (61%)
- Blue (87%)



- Cyan (77%)
- Magenta (0%)
- Yellow (30%)
- Black (13%)



- Cyan (80%)
- Magenta (13%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33DD9B 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 33DD9B by changing the saturation by 10% instead.

 33DD9B

 33DD9B

FFFFFF

 00C081


 7BFFD2

 00A568

 9AFFEE

 00894F

 B9FFFF

 006F38

 D8FFFF

 005522

 F7FFFF

 003C0C

 002500

 000000

 33DD9B

 33DD9B

 1DDD92

 49DDA4

 07DD8A

 5FDDAC

 00DD87

 75DDB5

 8BDDBD

 A1DDC6

 B8DDCE

 CEDDD7

 E4DDE0

 FADDE8

Harmonies

Analogous

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



94D569



33DD9B



00E0D6

Triad

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



33DD9B



82C3FF



FF9E7D

Complementary

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



33DD9B



DD3375

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.



FF92B2



33DD9B



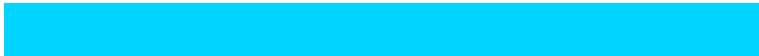
E1ADFF

Square

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



33DD9B



00D4FF



FF98EB



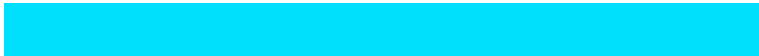
FFB357

Rectangle

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



33DD9B



00DFFB



FF98EB



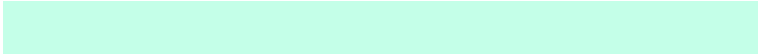
FF988E

Sweetspot

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



33DD9B



C4FFE8



77DD33



5C8072



000000



808080

Same Dimension

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



33DD9B



14FFA4



33CCDD



636E69



00AD6A



002E1C

Inverse Universe

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



DD3375



FF146F



DD4433



6E6367



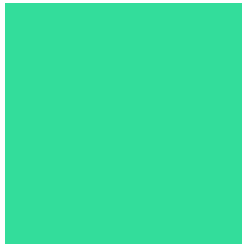
AD0043



2E0012

Previews

White Background



This preview shows how the Hex color 33DD9B 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 33DD9B 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 33DD9B Background



This preview shows how black text looks on a background with the Hex color 33DD9B.

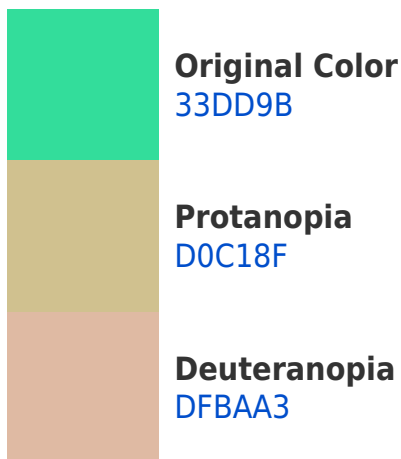


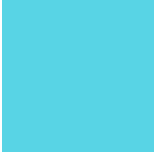
This preview shows how white text looks on a background with the Hex color 33DD9B.

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



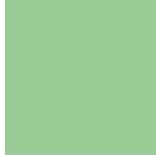


Tritanopia
58D4E5

Trichromacy



Original Color
33DD9B



Protanomaly
97CB93



Deuteranomaly
A0C7A0

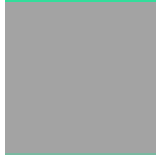


Tritanomaly
4BD7CA

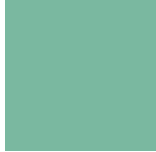
Monochromacy



Original Color
33DD9B



Achromatopsia
A3A3A3



Achromatomaly
7AB8A0

CSS Examples

Text

The CSS property to change the color of the text to Hex 33DD9B 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 #33DD9B looks like.

```
.text, #text, p{  
    color:#33DD9B  
}
```

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 #33DD9B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33DD9B
}
```

Border

The CSS property to change the border of an element to Hex 33DD9B 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
#33DD9B }
```

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

```
.border{ border-color:#33DD9B }
```

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

Here you see how a box with a 4 pixel #33DD9B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33DD9B; -webkit-box-shadow:4px 4px  
4px 4px #33DD9B; box-shadow:4px 4px 4px  
4px #33DD9B }
```

Background

The CSS property to change the background color of an element to Hex 33DD9B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33DD9B }
```

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

```
.background{ background-color:#33DD9B }
```

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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