

Converting Colors

Hex(33B78A)

Have a look what the booklet for
Hex(33B78A) contains.

Hex(33B78A)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(33B78A)

Conversions

Conversions Part 1

Format	Color
Hex	33B78A
RGB	51, 183, 138
RGB Percent	20%, 72%, 54%
CMY	0.8000, 0.2824, 0.4588
CMYK	0.72, 0.00, 0.25, 0.28
HSL	160°, 56%, 46%
HSV	160°, 72%, 72%
XYZ	22.8862, 36.4058, 29.8655
YIQ	138.4020, -64.2270, -41.9790

Conversions

Conversions Part 2

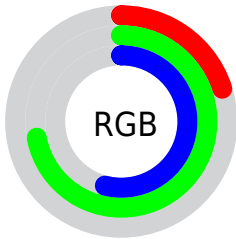
Format	Color
RYB	51, 131, 183
Decimal	3389322
CIELab	66.83, -45.96, 12.86
CIElCh	67, 47.723, 164.366
Yxy	36.4058, 0.2567, 0.4083
Android (android.graphics.Color)	4281579402 (0xFF33B78A)
YUV	138.4020, -0.1982, -76.6516
Hunter-Lab	60.3372, -37.8842, 12.8888

Details

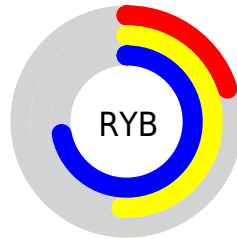
The Hex color **33B78A** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **B73360**, and the grayscale version is **8A8A8A**.

A 20% lighter version of the original color is **73F0BF**, and **008158** is the 20% darker color. If you saturate the color by 10%, you get **21B784**, and if you desaturate by 10%, it is **45B790**.

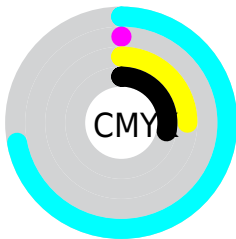
Distribution



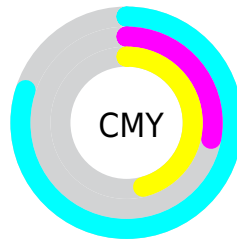
- Red (20%)
- Green (72%)
- Blue (54%)



- Red (20%)
- Yellow (51%)
- Blue (72%)



- Cyan (72%)
- Magenta (0%)
- Yellow (25%)
- Black (28%)



- Cyan (80%)
- Magenta (28%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33B78A 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 33B78A by changing the saturation by 10% instead.

 33B78A

 33B78A

FFFFFF

 009C71

 73F0BF

 008158

 91FFDB

 006741

 AEFFF8

 004E2A

 CCFFFF

 003616

 EAFFFF

 002000

 000000

 33B78A

 33B78A

 21B784

 45B790

■ 0EB77E

■ 58B796

■ 00B779

■ 6AB79D

■ 7CB7A3

■ 8FB7A9

■ A1B7AF

■ B3B7B6

■ C5B7BC

■ D8B7C2

Harmonies

Analogous

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



78B163



33B78A



00B9B6

Triad

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



33B78A



81A0F6



EA8968

Complementary

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



33B78A



B73360

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.



F47F8F



33B78A



C18FE0

Square

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



33B78A



00ADF5



E782BB



CF984F

Rectangle

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



33B78A



00B7D2



E782BB



F08574

Sweetspot

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



33B78A



B9EDDB



61B733



59786D



F7F7F7



787878

Same Dimension

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



33B78A



1FEDA7



33A3B7



535C59



009C67



001C12

Inverse Universe

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



B73360



ED1F65



B74733



5C5356



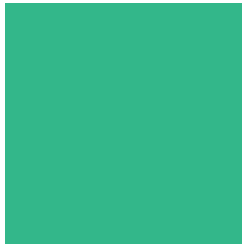
9C0035



1C000A

Previews

White Background



This preview shows how the Hex color 33B78A looks on a white background.

Color Contrast Check

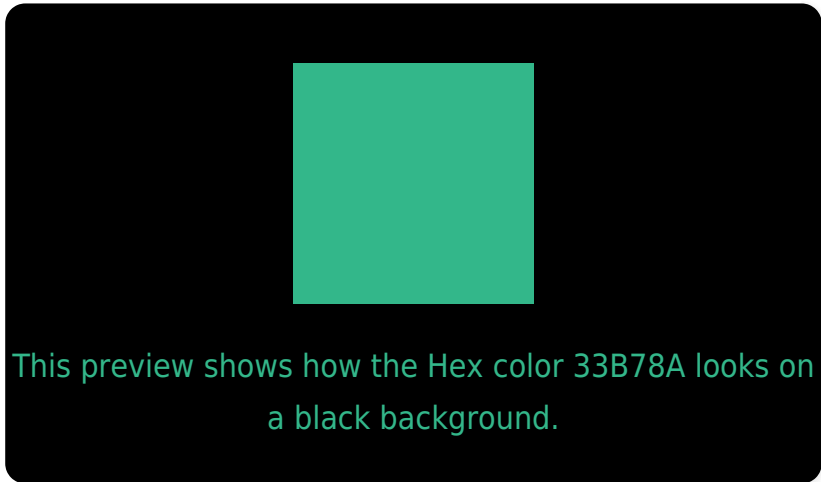
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

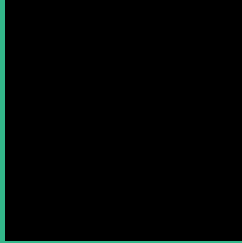
Any Text WCAG AA ✓ Pass

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 33B78A Background



This preview shows how black text looks on a background with the Hex color 33B78A.

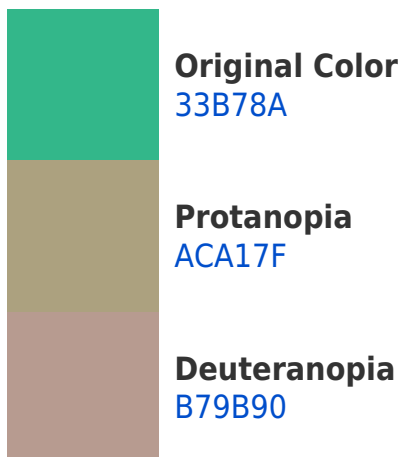


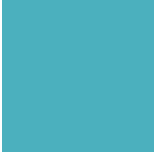
This preview shows how white text looks on a background with the Hex color 33B78A.

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
4BBOBE

Trichromacy



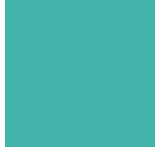
Original Color
33B78A



Protanomaly
80A983



Deuteranomaly
87A58E



Tritanomaly
42B3AB

Monochromacy



Original Color
33B78A



Achromatopsia
8A8A8A



Achromatomaly
6A9A8A

CSS Examples

Text

The CSS property to change the color of the text to Hex 33B78A 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 #33B78A looks like.

```
.text, #text, p{  
  color:#33B78A  
}
```

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 #33B78A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33B78A
}
```

Border

The CSS property to change the border of an element to Hex 33B78A 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
#33B78A }
```

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

```
.border{ border-color:#33B78A }
```

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

Here you see how a box with a 4 pixel #33B78A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33B78A; -webkit-box-shadow:4px 4px  
4px 4px #33B78A; box-shadow:4px 4px 4px  
4px #33B78A }
```

Background

The CSS property to change the background color of an element to Hex 33B78A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33B78A }
```

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

```
.background{ background-color:#33B78A }
```

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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