

Converting Colors

Hex(33A688)

Have a look what the booklet for
Hex(33A688) contains.

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Color

Hex(33A688)

Conversions

Conversions Part 1

Format	Color
Hex	33A688
RGB	51, 166, 136
RGB Percent	20%, 65%, 53%
CMY	0.8000, 0.3490, 0.4667
CMYK	0.69, 0.00, 0.18, 0.35
HSL	164°, 53%, 43%
HSV	164°, 69%, 65%
XYZ	19.4454, 29.7538, 28.0107
YIQ	128.1950, -58.9100, -33.7100

Conversions

Conversions Part 2

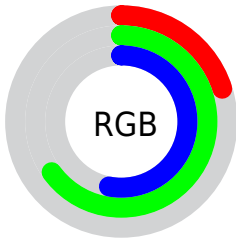
Format	Color
RYB	51, 117, 166
Decimal	3384968
CIELab	61.44, -39.18, 6.32
CIELCh	61, 39.685, 170.836
Yxy	29.7538, 0.2519, 0.3854
Android (android.graphics.Color)	4281575048 (0xFF33A688)
YUV	128.1950, 3.8479, -67.7000
Hunter-Lab	54.5471, -31.8242, 7.7366

Details

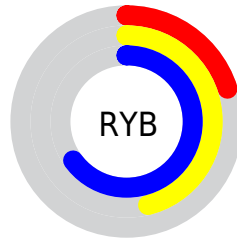
The Hex color **33A688** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **A63351**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **70DEBD**, and **007156** is the 20% darker color. If you saturate the color by 10%, you get **22A684**, and if you desaturate by 10%, it is **44A68C**.

Distribution



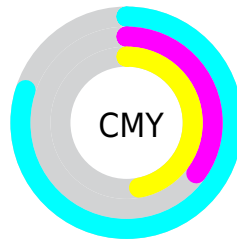
- Red (20%)
- Green (65%)
- Blue (53%)



- Red (20%)
- Yellow (46%)
- Blue (65%)



- Cyan (69%)
- Magenta (0%)
- Yellow (18%)
- Black (35%)



- Cyan (80%)
- Magenta (35%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33A688 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 33A688 by changing the saturation by 10% instead.

 33A688

 33A688

FFFFFF

 008B6F

 70DEBD

 007156

 8DFBD9

 00583F

 AAFFF6

 004029

 C7FFFF

 002A15

 E5FFFF

 000A00

 000000

 33A688

 33A688

 22A684

 44A68C

■ 12A67F

■ 54A691

■ 01A67B

■ 65A695

■ 00A67B

■ 75A699

■ 86A69E

■ 97A6A2

■ A7A6A6

■ B8A6AB

■ C8A6AF

Harmonies

Analogous

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



69A267



33A688



00A6AC

Triad

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



33A688



878FD6



CD825F

Complementary

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



33A688



A63351

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.



D8797D



33A688



B682C1

Square

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



33A688



449BD9



D179A1



B48F4E

Rectangle

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



33A688



00A5C1



D179A1



D27E68

Sweetspot

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



33A688



ABD9CD



52A633



526E66



EDEDED



6E6E6E

Same Dimension

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



33A688



25D9AA



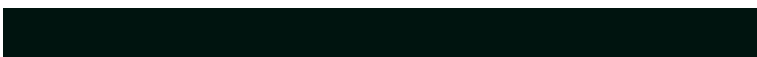
338BA6



4C5452



00946D



00140F

Inverse Universe

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



A63351



D92554



A64E33



544C4E



940027



140005

Previews

White Background



This preview shows how the Hex color 33A688 looks on a white background.

Color Contrast Check

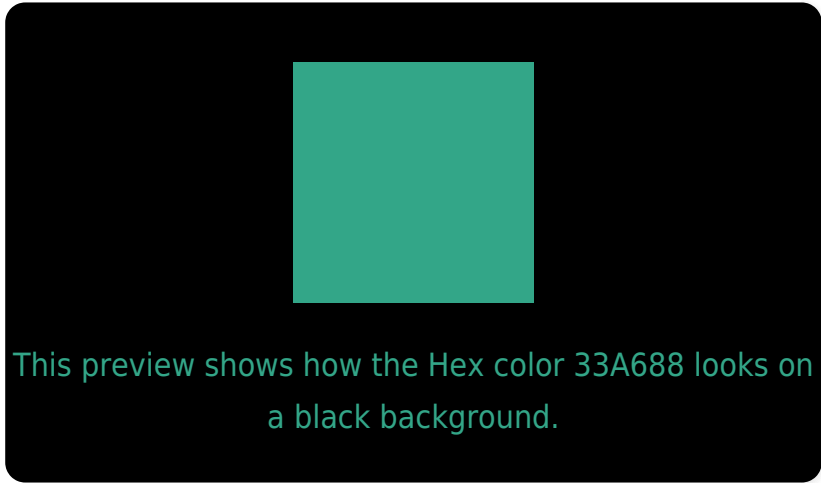
Large Text (above 18pt) WCAG AA ✓ Pass

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

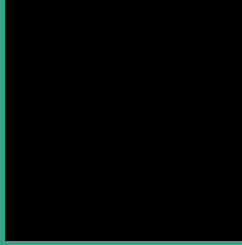
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Hex 33A688 Background



This preview shows how black text looks on a background with the Hex color 33A688.

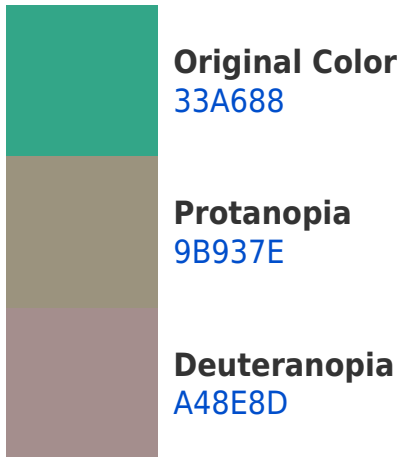


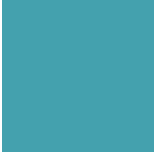
This preview shows how white text looks on a background with the Hex color 33A688.

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
44A1AE

Trichromacy



Original Color

33A688



Protanomaly

759A82



Deuteranomaly

7B978B



Tritanomaly

3EA3A0

Monochromacy



Original Color

33A688



Achromatopsia

808080



Achromatomaly

648E83

CSS Examples

Text

The CSS property to change the color of the text to Hex 33A688 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 #33A688 looks like.

```
.text, #text, p{  
    color:#33A688  
}
```

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 #33A688 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33A688
}
```

Border

The CSS property to change the border of an element to Hex 33A688 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
#33A688 }
```

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

```
.border{ border-color:#33A688 }
```

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

Here you see how a box with a 4 pixel #33A688 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33A688; -webkit-box-shadow:4px 4px  
4px 4px #33A688; box-shadow:4px 4px 4px  
4px #33A688 }
```

Background

The CSS property to change the background color of an element to Hex 33A688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33A688 }
```

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

```
.background{ background-color:#33A688 }
```

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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