

# Converting Colors

Hex(33A297)

Have a look what the booklet for  
Hex(33A297) contains.

<b>Hex(33A297)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(33A297)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33A297
RGB	51, 162, 151
RGB Percent	20%, 64%, 59%
CMY	0.8000, 0.3647, 0.4078
CMYK	0.69, 0.00, 0.07, 0.36
HSL	174°, 52%, 42%
HSV	174°, 69%, 64%
XYZ	19.8715, 28.7788, 33.7857
YIQ	127.5570, -62.6250, -26.9530

# Conversions

## Conversions Part 2

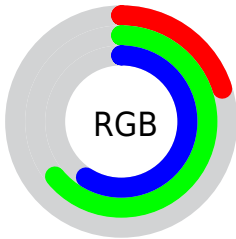
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 109, 162
Decimal	3383959
CIE <sub>Lab</sub>	60.59, -33.36, -3.36
CIE <sub>LCh</sub>	61, 33.523, 185.745
Yxy	28.7788, 0.2411, 0.3491
Android (android.graphics.Color)	4281574039 (0xFF33A297)
YUV	127.5570, 11.5574, -67.1405
Hunter-Lab	53.6459, -27.7605, 0.2118

# Details

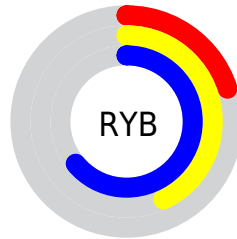
The Hex color **33A297** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **A2333E**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **71D9CD**, and **006E64** is the 20% darker color. If you saturate the color by 10%, you get **23A295**, and if you desaturate by 10%, it is **43A299**.

# Distribution



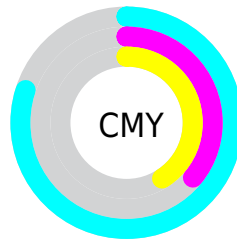
- Red (20%)
- Green (64%)
- Blue (59%)



- Red (20%)
- Yellow (43%)
- Blue (64%)



- Cyan (69%)
- Magenta (0%)
- Yellow (7%)
- Black (36%)



- Cyan (80%)
- Magenta (36%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33A297 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 33A297 by changing the saturation by 10% instead.





33A297



33A297

FFFFFF



00877D



71D9CD



006E64



8EF6E9



00554C



ABFFFF



003D36



C8FFFF



002721



E5FFFF



00040A



000000



33A297



33A297



23A295



43A299

■ 13A294

■ 53A29A

■ 02A292

■ 64A29C

■ 00A292

■ 74A29D

■ 84A29F

■ 94A2A1

■ A4A2A2

■ B5A2A4

■ C5A2A5

# Harmonies

## Analogous

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



5CA079



33A297



12A1B4

# Triad

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



33A297



9D88C2



BA885D

# Complementary

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



33A297



A2333E

# 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.



C97F71



33A297



BC7FAB

# Square

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



33A297



7193CD



CB7B8D



A09257

# Rectangle

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



33A297



2B9EC2



CB7B8D



C08562



# Sweetspot

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



33A297



A7D4CF



3EA233



506B68



EBEBEB



6B6B6B



# Same Dimension

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



33A297



26D4C2



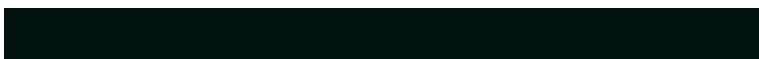
3376A2



495251



009183



001210



# Inverse Universe

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



A2333E



D42637



A25F33



52494A



91000E

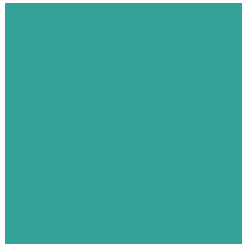


120002



# Previews

## White Background



This preview shows how the Hex color 33A297 looks on a white background.

## Color Contrast Check

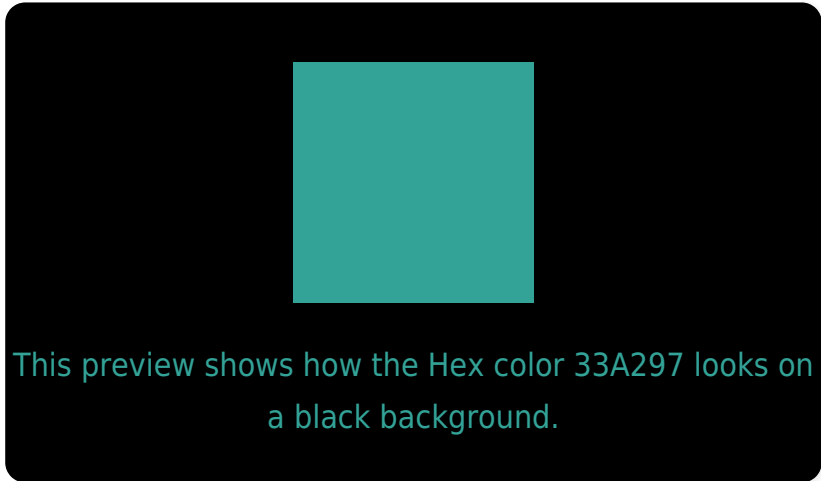
Large Text (above 18pt) WCAG AA ✓ Pass

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

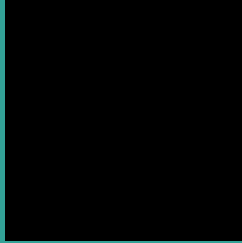
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 33A297 Background



This preview shows how black text looks on a background with the Hex color 33A297.

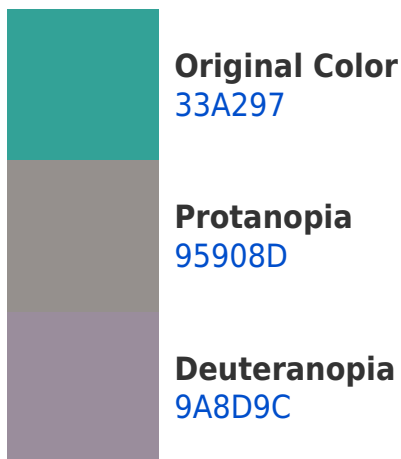


This preview shows how white text looks on a background with the Hex color 33A297.

# 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**  
3E9FAC

# Trichromacy



**Original Color**  
33A297



**Protanomaly**  
719791



**Deuteranomaly**  
75959A



**Tritanomaly**  
3AA0A4

# Monochromacy



**Original Color**  
33A297



**Achromatopsia**  
808080



**Achromatomaly**  
648C88

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33A297 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 #33A297 looks like.

```
.text, #text, p{  
    color:#33A297  
}
```

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 #33A297 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33A297
}
```

## Border

The CSS property to change the border of an element to Hex 33A297 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
#33A297 }
```

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

```
.border{ border-color:#33A297 }
```

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

Here you see how a box with a 4 pixel #33A297 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33A297; -webkit-box-shadow:4px 4px  
4px 4px #33A297; box-shadow:4px 4px 4px  
4px #33A297 }
```

# Background

The CSS property to change the background color of an element to Hex 33A297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33A297 }
```

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

```
.background{ background-color:#33A297 }
```

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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