

# Converting Colors

Hex(33AED4)

Have a look what the booklet for  
Hex(33AED4) contains.

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# Color

Hex(33AED4)

# Conversions

## Conversions Part 1

Format	Color
Hex	33AED4
RGB	51, 174, 212
RGB Percent	20%, 68%, 83%
CMY	0.8000, 0.3176, 0.1686
CMYK	0.76, 0.18, 0.00, 0.17
HSL	194°, 65%, 52%
HSV	194°, 76%, 83%
XYZ	28.3850, 35.7294, 67.6878
YIQ	141.5550, -85.5060, -14.2580

# Conversions

## Conversions Part 2

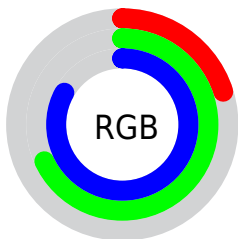
Format	Color
<a href="#">RYB</a>	<a href="#">51, 121, 212</a>
Decimal	<a href="#">3387092</a>
CIELab	<a href="#">66.31, -20.59, -28.77</a>
CIElCh	<a href="#">66, 35.379, 234.419</a>
Yxy	<a href="#">35.7294, 0.2154, 0.2711</a>
Android (android.graphics.Color)	<a href="#">4281577172 (0xFF33AED4)</a>
YUV	<a href="#">141.5550, 34.7294, -79.4167</a>
Hunter-Lab	<a href="#">59.7741, -19.8401, -25.2978</a>

# Details

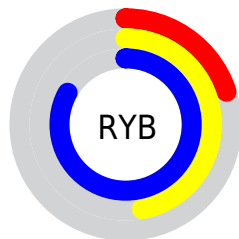
The Hex color **33AED4** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **D45933**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **79E6FF**, and **00799D** is the 20% darker color. If you saturate the color by 10%, you get **1EA9D4**, and if you desaturate by 10%, it is **48B3D4**.

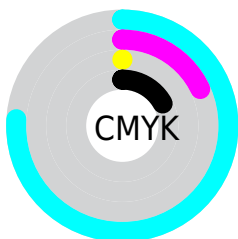
# Distribution



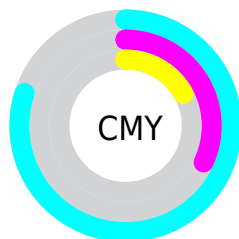
- Red (20%)
- Green (68%)
- Blue (83%)



- Red (20%)
- Yellow (47%)
- Blue (83%)



- Cyan (76%)
- Magenta (18%)
- Yellow (0%)
- Black (17%)



- Cyan (80%)
- Magenta (32%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33AED4 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 33AED4 by changing the saturation by 10% instead.



■ 33AED4

■ 33AED4

FFFFFF

■ 0093B8

■ 79E6FF

■ 00799D

■ 98FFFF

■ 006083

■ B6FFFF

■ 00496A

■ D4FFFF

■ 003251

■ F3FFFF

■ 001E3A

■ 000224

■ 00000C

■ 000000

■ 33AED4

■ 33AED4

■ 1EA9D4

■ 48B3D4

■ 09A4D4

■ 5DB8D4

■ 00A2D4

■ 73BDD4

■ 88C2D4

■ 9DC7D4

■ B2CCD4

■ C7D1D4

■ DDD6D4

■ F2DBD4

# Harmonies

## Analogous

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



24B2BA



33AED4



69A6E0

# Triad

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



33AED4



DA89A8



9CA766

# Complementary

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



33AED4



D45933

# 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.



BC9D62



33AED4



DF8A89

# Square

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



33AED4



C490C7



D4926F



77AE7B

# Rectangle

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



33AED4



8C9FDF



D4926F



A7A463

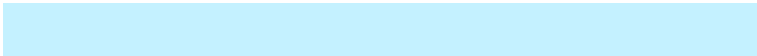


# Sweetspot

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



33AED4



C4F1FF



33D459



5C7780



000000



808080



# Same Dimension

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



33AED4



17C8FF



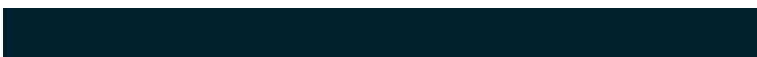
335ED4



60696B



0083AB



00212B



# Inverse Universe

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



D433AE



FF17C8



D4A933



6B6069



AB0083



2B0021



# Previews

## White Background



This preview shows how the Hex color 33AED4 looks on a white background.

## Color Contrast Check

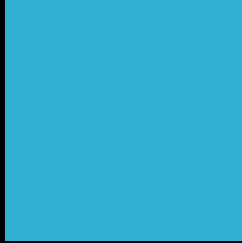
Large Text (above 18pt) WCAG AA × Fail

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 33AED4 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 33AED4 Background



This preview shows how black text looks on a background with the Hex color 33AED4.

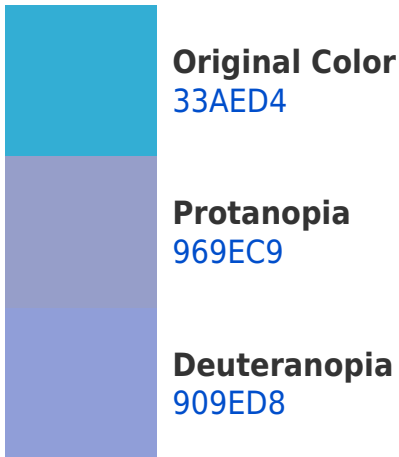


This preview shows how white text looks on a background with the Hex color 33AED4.

# 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](#).

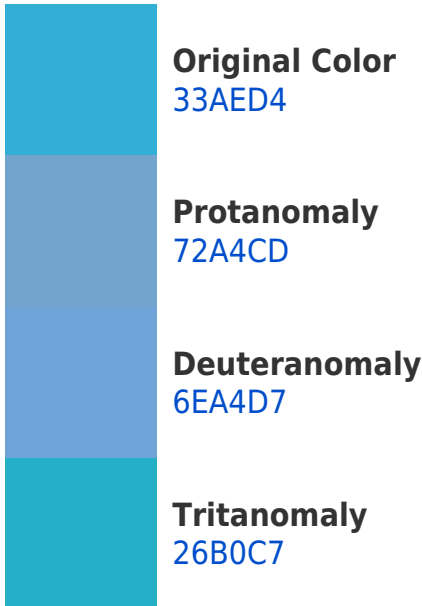
## Dichromacy





**Tritanopia**  
1FB1C0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33AED4 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 #33AED4 looks like.

```
.text, #text, p{  
    color:#33AED4  
}
```

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 #33AED4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33AED4
}
```

## Border

The CSS property to change the border of an element to Hex 33AED4 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
#33AED4 }
```

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

```
.border{ border-color:#33AED4 }
```

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

Here you see how a box with a 4 pixel #33AED4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33AED4; -webkit-box-shadow:4px 4px  
4px 4px #33AED4; box-shadow:4px 4px 4px  
4px #33AED4 }
```

# Background

The CSS property to change the background color of an element to Hex 33AED4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33AED4 }
```

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

```
.background{ background-color:#33AED4 }
```

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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