

# Converting Colors

Hex(33AFDC)

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

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# **Color**

**Hex(33AFDC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33AFDC
RGB	51, 175, 220
RGB Percent	20%, 69%, 86%
CMY	0.8000, 0.3137, 0.1373
CMYK	0.77, 0.20, 0.00, 0.14
HSL	196°, 71%, 53%
HSV	196°, 77%, 86%
XYZ	29.6135, 36.5311, 73.2006
YIQ	143.0540, -88.3490, -12.2930

# Conversions

## Conversions Part 2

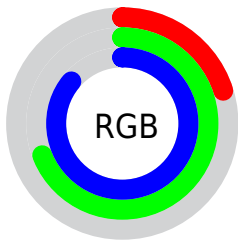
Format	Color
<a href="#">RYB</a>	51, 123, 220
Decimal	3387356
CIELab	66.92, -18.47, -32.23
CIElCh	67, 37.148, 240.193
Yxy	36.5311, 0.2125, 0.2622
Android (android.graphics.Color)	4281577436 (0xFF33AFDC)
YUV	143.0540, 37.9344, -80.7314
Hunter-Lab	60.4409, -18.3142, -29.4980

# Details

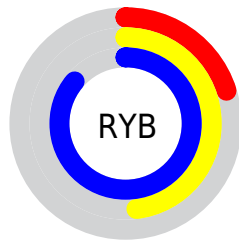
The Hex color **33AFDC** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **DC6033**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **7AE7FF**, and **007AA5** is the 20% darker color. If you saturate the color by 10%, you get **1DA9DC**, and if you desaturate by 10%, it is **49B5DC**.

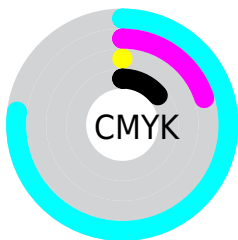
# Distribution



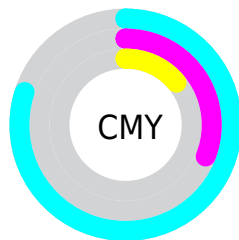
- Red (20%)
- Green (69%)
- Blue (86%)



- Red (20%)
- Yellow (48%)
- Blue (86%)



- Cyan (77%)
- Magenta (20%)
- Yellow (0%)
- Black (14%)



- Cyan (80%)
- Magenta (31%)
- Yellow (14%)

# Brightness & Saturation Gradients

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



■ 33AFDC

■ 33AFDC

FFFFFF

■ 0094C0

■ 7AE7FF

■ 007AA5

■ 99FFFF

■ 00628A

■ B8FFFF

■ 004A71

■ D6FFFF

■ 003358

■ F5FFFF

■ 001F40

■ 00032A

■ 000114

■ 000000

■ 33AFDC

■ 33AFDC

■ 1DA9DC

■ 49B5DC

■ 07A3DC

■ 5FBBD C

■ 00A1DC

■ 75C1DC

■ 8BC6DC

■ A1CCDC

■ B7D2DC

■ CDD8DC

■ E3DEDC

■ F9E4DC

# Harmonies

## Analogous

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



01B4C3



33AFDC



72A6E5

# Triad

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



33AFDC



E189A4



96AB68

# Complementary

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



33AFDC



DC6033

# 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.



B8A15F



33AFDC



E38C83

# Square

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



33AFDC



CD8FC5



D4956A



6EB281

# Rectangle

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



33AFDC



979EE1



D4956A



A2A863

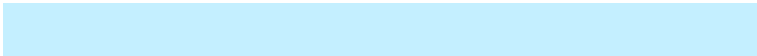


# Sweetspot

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



33AFDC



C4EFFF



33DC5D



5C7680



000000



808080

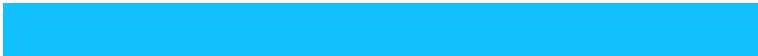


# Same Dimension

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



33AFDC



14C1FF



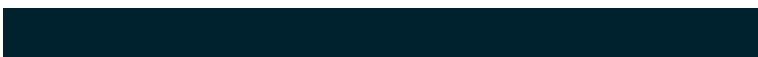
335DDC



636B6E



007FAD



00222E



# Inverse Universe

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



DC33AF



FF14C1



DCB233



6E636B



AD007F



2E0022



# Previews

## White Background



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

## Color Contrast Check

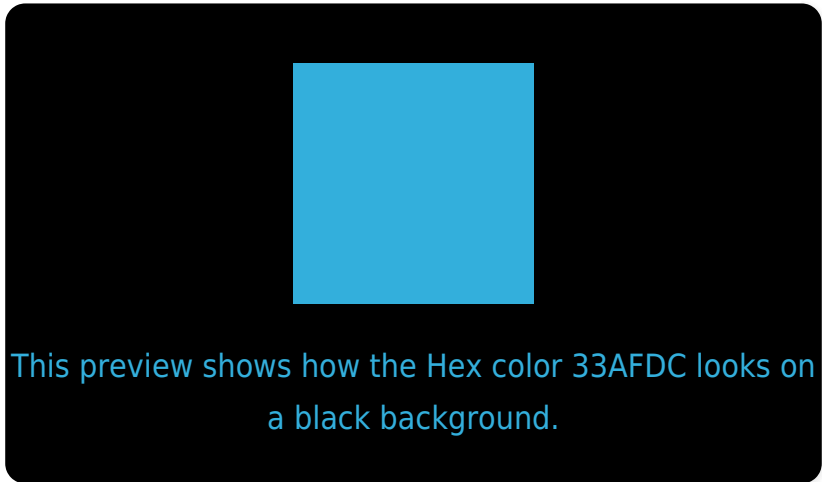
Large Text (above 18pt) WCAG AA × Fail

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

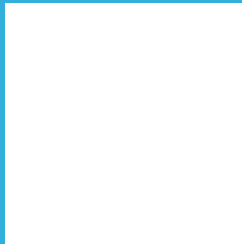
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 33AFDC Background



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

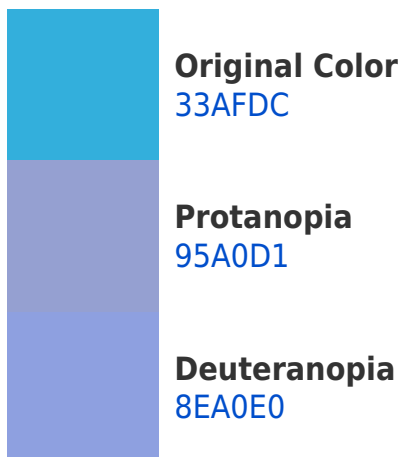


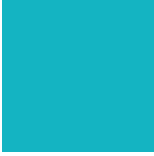
This preview shows how white text looks on a background with the Hex color 33AFDC.

# 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](#).

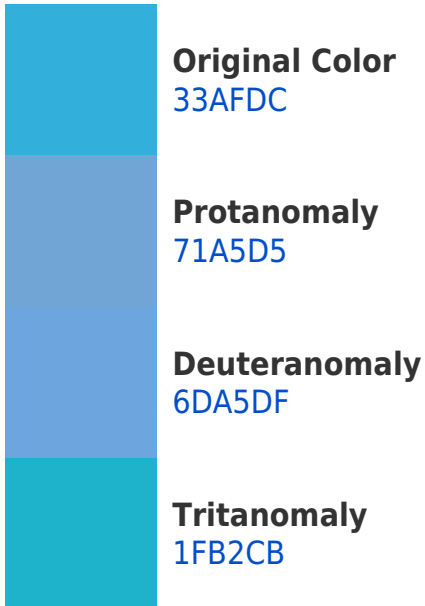
## Dichromacy



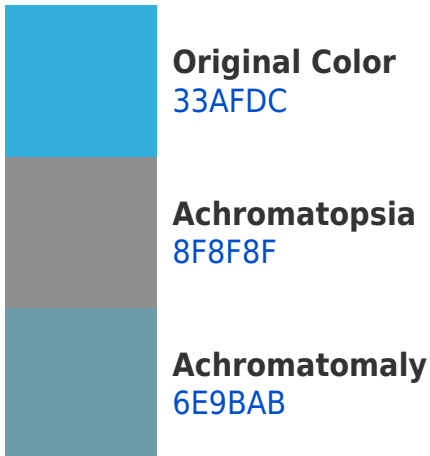


**Tritanopia**  
14B4C2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #33AFDC colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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