

# Converting Colors

Hex(31AAEE)

Have a look what the booklet for  
Hex(31AAEE) contains.

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# **Color**

**Hex(31AAEE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31AAEE
RGB	49, 170, 238
RGB Percent	19%, 67%, 93%
CMY	0.8078, 0.3333, 0.0667
CMYK	0.79, 0.29, 0.00, 0.07
HSL	202°, 85%, 56%
HSV	202°, 79%, 93%
XYZ	31.0740, 35.5755, 86.1179
YIQ	141.5730, -93.9440, -4.5040

# Conversions

## Conversions Part 2

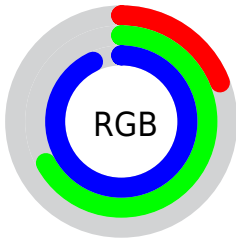
Format	Color
R <sub>Y</sub> B	49, 123, 238
Decimal	3255022
CIE Lab	66.19, -9.84, -43.24
CIE LCh	66, 44.349, 257.183
Yxy	35.5755, 0.2034, 0.2329
Android (android.graphics.Color)	4281445102 (0xFF31AAEE)
YUV	141.5730, 47.5385, -81.1865
Hunter-Lab	59.6452, -11.3841, -43.8535

# Details

The Hex color **31AAEE** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **EE7531**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **7CE1FF**, and **0076B6** is the 20% darker color. If you saturate the color by 10%, you get **19A1EE**, and if you desaturate by 10%, it is **49B3EE**.

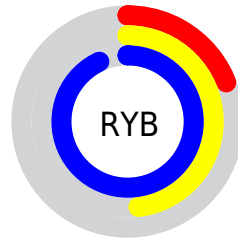
# Distribution



Red (19%)

Green (67%)

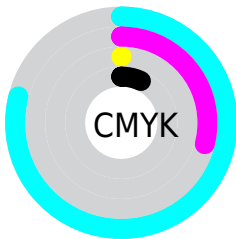
Blue (93%)



Red (19%)

Yellow (48%)

Blue (93%)

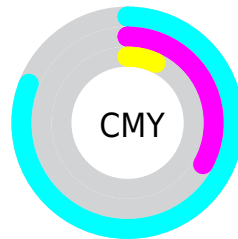


Cyan (79%)

Magenta (29%)

Yellow (0%)

Black (7%)



Cyan (81%)

Magenta (33%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31AAEE 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 31AAEE by changing the saturation by 10% instead.



■ 31AAEE

■ 31AAEE

FFFFFF

■ 0090D2

■ 7CE1FF

■ 0076B6

■ 9BFEEF

■ 005E9B

■ BBFFFF

■ 004680

■ DAFFFF

■ 003067

■ F9FFFF

■ 001C4E

■ 000537

■ 000221

■ 000005

■ 31AAEE

■ 31AAEE

■ 19A1EE

■ 49B3EE

■ 0199EE

■ 61BBEE

■ 0098EE

■ 78C4EE

■ 90CCEE

■ A8D5EE

■ C0DDEE

■ D8E6EE

■ EFEFEE

■ FFF7EE

# Harmonies

## Analogous

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



00B2DA



31AAEE



899DED

# Triad

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



31AAEE



ED818B



76AF69

# Complementary

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



31AAEE



EE7531

# 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.



A3A652



31AAEE



E38A68

# Square

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



31AAEE



E382B4



C89952



38B48E

# Rectangle

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



31AAEE



B193E1



C89952



86AD5F

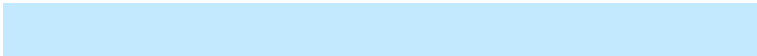


# Sweetspot

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



31AAEE



C2E9FF



31EE73



5B7280



000000



808080



# Same Dimension

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



31AAEE



0DA8FF



314DEE



6C7478



0076B8



002438



# Inverse Universe

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



EE31AA



FF0DA8



EED231



786C74



B80076

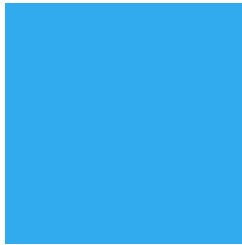


380024



# Previews

## White Background



This preview shows how the Hex color 31AEE looks on a white background.

## Color Contrast Check

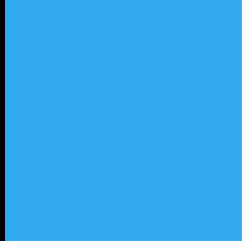
Large Text (above 18pt) WCAG AA × Fail

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 31AEE 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

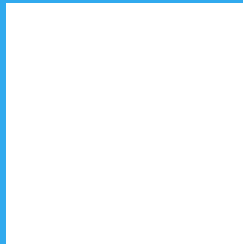
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 31AAEE Background



This preview shows how black text looks on a background with the Hex color 31AAEE.

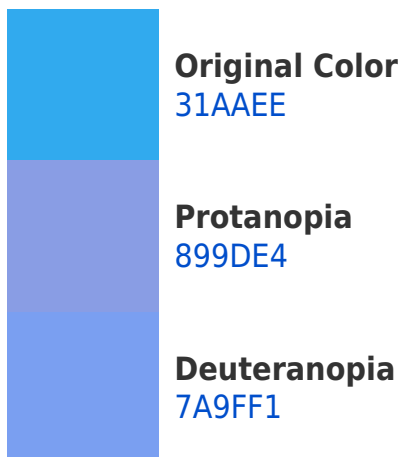


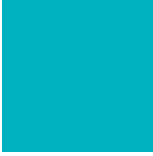
This preview shows how white text looks on a background with the Hex color 31AAEE.

# 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](#).

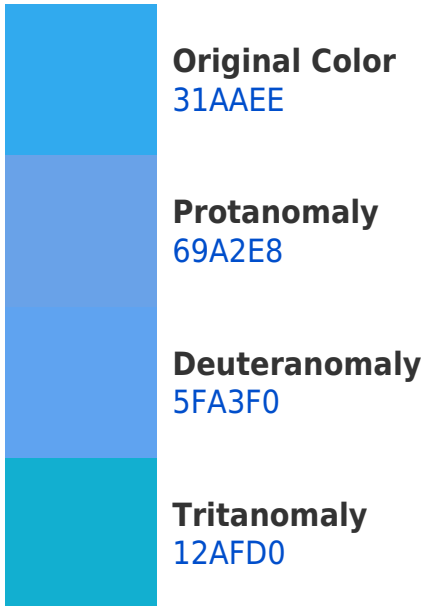
## Dichromacy





**Tritanopia**  
00B2BF

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31AAEE 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 #31AAEE looks like.

```
.text, #text, p{  
    color:#31AAEE  
}
```

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 #31AAEE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31AAEE
}
```

## Border

The CSS property to change the border of an element to Hex 31AAEE 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
#31AAEE }
```

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

```
.border{ border-color:#31AAEE }
```

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

Here you see how a box with a 4 pixel #31AAEE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31AAEE; -webkit-box-shadow:4px 4px  
4px 4px #31AAEE; box-shadow:4px 4px 4px  
4px #31AAEE }
```

# Background

The CSS property to change the background color of an element to Hex 31AAEE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31AAEE }
```

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

```
.background{ background-color:#31AAEE }
```

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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