

# Converting Colors

Hex(31ACE5)

Have a look what the booklet for  
Hex(31ACE5) contains.

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# **Color**

**Hex(31ACE5)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31ACE5
RGB	49, 172, 229
RGB Percent	19%, 67%, 90%
CMY	0.8078, 0.3255, 0.1020
CMYK	0.79, 0.25, 0.00, 0.10
HSL	199°, 78%, 55%
HSV	199°, 79%, 90%
XYZ	30.1620, 35.8152, 79.4521
YIQ	141.7210, -91.6050, -8.3490

# Conversions

## Conversions Part 2

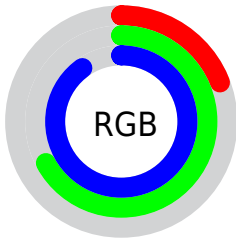
Format	Color
R <sub>YB</sub>	49, 122, 229
Decimal	3255525
CIE Lab	66.38, -14.04, -38.03
CIE LCh	66, 40.533, 249.741
Yxy	35.8152, 0.2074, 0.2463
Android (android.graphics.Color)	4281445605 (0xFF31ACE5)
YUV	141.7210, 43.0285, -81.3163
Hunter-Lab	59.8458, -14.7669, -36.8222

# Details

The Hex color **31ACE5** 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 **E56A31**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **7AE3FF**, and **0078AD** is the 20% darker color. If you saturate the color by 10%, you get **1AA5E5**, and if you desaturate by 10%, it is **48B3E5**.

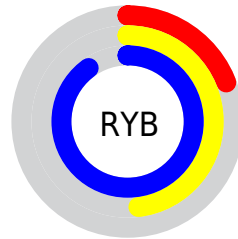
# Distribution



Red (19%)

Green (67%)

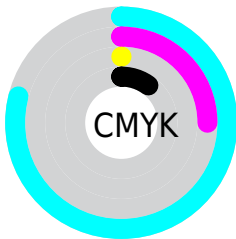
Blue (90%)



Red (19%)

Yellow (48%)

Blue (90%)

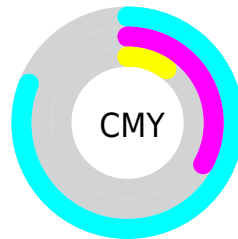


Cyan (79%)

Magenta (25%)

Yellow (0%)

Black (10%)



Cyan (81%)

Magenta (33%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31ACE5 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 31ACE5 by changing the saturation by 10% instead.



■ 31ACE5

■ 31ACE5

FFFFFF

■ 0091C9

■ 7AE3FF

■ 0078AD

■ 9AFFFF

■ 005F92

■ B9FFFF

■ 004778

■ D7FFFF

■ 00315F

■ F6FFFF

■ 001D47

■ 000430

■ 00011B

■ 000000

■ 31ACE5

■ 31ACE5

■ 1AA5E5

■ 48B3E5

■ 039DE5

■ 5FBBE5

■ 009CE5

■ 76C2E5

■ 8DC9E5

■ A3D0E5

■ BAD8E5

■ D1DFE5

■ E8E6E5

■ FFEDE5

# Harmonies

## Analogous

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



00B3CF



31ACE5



7EA1E9

# Triad

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



31ACE5



E78497



85AD68

# Complementary

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



31ACE5



E56A31

# 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.



ADA358



31ACE5



E28A75

# Square

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



31ACE5



D888BB



CD975D



56B387

# Rectangle

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



31ACE5



A498E1



CD975D



93AA61

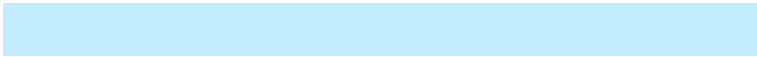


# Sweetspot

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



31ACE5



C2ECFF



31E56A



5B7480



000000



808080

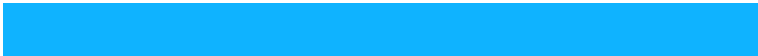


# Same Dimension

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



31ACE5



0FB3FF



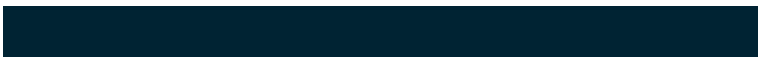
3152E5



676F73



007AB3



002333



# Inverse Universe

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



E531AC



FF0FB3



E5C431



73676F



B3007A

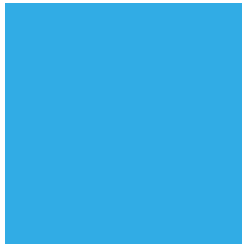


330023



# Previews

## White Background



This preview shows how the Hex color 31ACE5 looks on a white background.

## Color Contrast Check

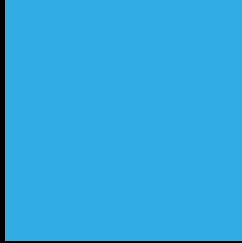
Large Text (above 18pt) WCAG AA × Fail

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 31ACE5 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

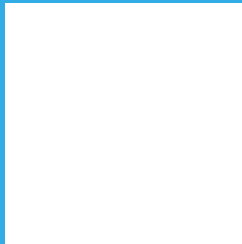
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 31ACE5 Background



This preview shows how black text looks on a background with the Hex color 31ACE5.

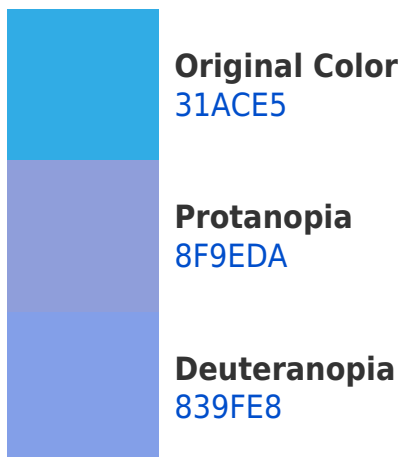


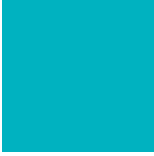
This preview shows how white text looks on a background with the Hex color 31ACE5.

# 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](#).

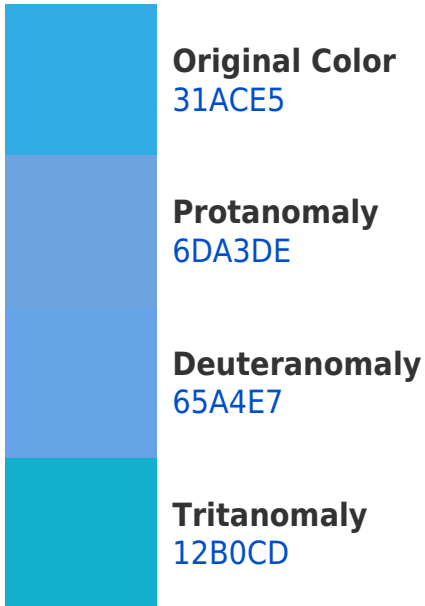
## Dichromacy



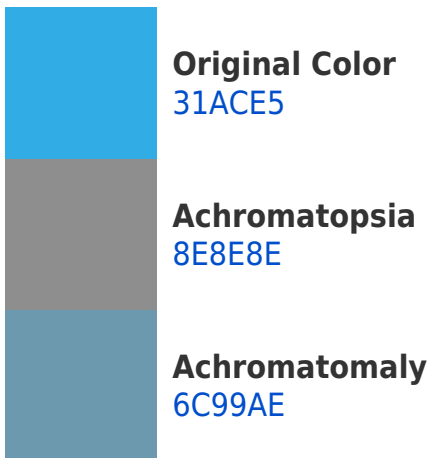


**Tritanopia**  
00B2C0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31ACE5 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 #31ACE5 looks like.

```
.text, #text, p{  
    color:#31ACE5  
}
```

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 #31ACE5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31ACE5  
}
```

## Border

The CSS property to change the border of an element to Hex 31ACE5 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  
#31ACE5 }
```

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

```
.border{ border-color:#31ACE5 }
```

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

Here you see how a box with a 4 pixel #31ACE5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31ACE5; -webkit-box-shadow:4px 4px  
4px 4px #31ACE5; box-shadow:4px 4px 4px  
4px #31ACE5 }
```

# Background

The CSS property to change the background color of an element to Hex 31ACE5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31ACE5 }
```

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

```
.background{ background-color:#31ACE5 }
```

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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