

# Converting Colors

Hex(31C933)

Have a look what the booklet for  
Hex(31C933) contains.

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**Color**

**Hex(31C933)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31C933
RGB	49, 201, 51
RGB Percent	19%, 79%, 20%
CMY	0.8078, 0.2118, 0.8000
CMYK	0.76, 0.00, 0.75, 0.21
HSL	121°, 61%, 49%
HSV	121°, 76%, 79%
XYZ	22.7508, 42.6653, 10.1681
YIQ	138.4520, -42.4420, -78.8740

# Conversions

## Conversions Part 2

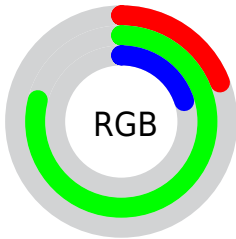
Format	Color
<a href="#">RYB</a>	49, 199, 201
Decimal	3262771
CIELab	71.33, -65.96, 59.83
CIELCh	71, 89.051, 137.793
Yxy	42.6653, 0.3010, 0.5645
Android (android.graphics.Color)	4281452851 (0xFF31C933)
YUV	138.4520, -43.1138, -78.4494
Hunter-Lab	65.3187, -52.1352, 36.4934

# Details

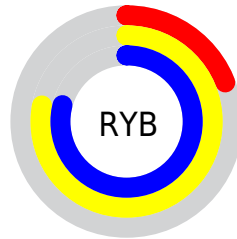
The Hex color **31C933** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **C931C7**, and the grayscale version is **8B8B8B**.

A 20% lighter version of the original color is **78FF6B**, and **009100** is the 20% darker color. If you saturate the color by 10%, you get **1DC91F**, and if you desaturate by 10%, it is **45C947**.

# Distribution



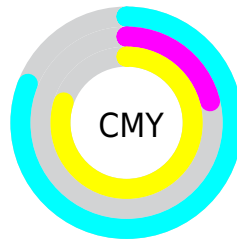
- Red (19%)
- Green (79%)
- Blue (20%)



- Red (19%)
- Yellow (78%)
- Blue (79%)



- Cyan (76%)
- Magenta (0%)
- Yellow (75%)
- Black (21%)



- Cyan (81%)
- Magenta (21%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31C933 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 31C933 by changing the saturation by 10% instead.



 31C933

 31C933

FFFFFF

 00AD0F

 78FF6B

 009100

 97FF87

 007700

 B5FFA3

 005C00

 D4FFBF

 004300

 F3FFDC

 002B00

 FFFFF9

 000900

 000000

 31C933

 31C933

 1DC91F

 45C947

 09C90B

 59C95B

 00C903

 6DC96F

 81C982

 96C996

 AAC9AA

 BEC9BE

 D2C9D2

 E6C9E6

# Harmonies

## Analogous

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



A5BA00



31C933



00D189

# Triad

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



31C933



00C2FF



FF5482

# Complementary

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



31C933



C931C7

# 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.



FF57D3



31C933



50A8FF

# Square

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



31C933



00CFFF



ED80FF



FF7935

# Rectangle

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



31C933



00D3C2



ED80FF



FF4E9D

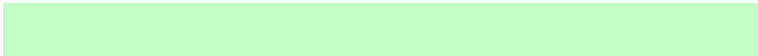


# Sweetspot

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



31C933



C4FFC5



C9C931



5C805C



000000



808080



# Same Dimension

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



31C933



17FF1A



31C97D



5A635A



00A302



002400



# Inverse Universe

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



C931C7



FF17FC



C9317D



635A63



A300A1

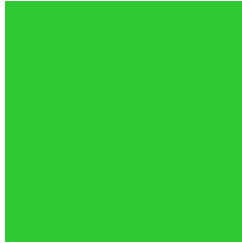


240023



# Previews

## White Background



This preview shows how the Hex color 31C933 looks on a white background.

## Color Contrast Check

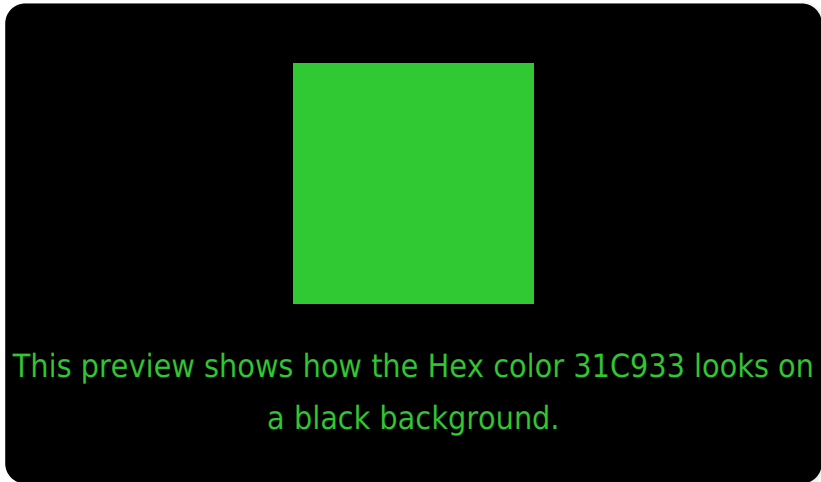
Large Text (above 18pt) WCAG AA × Fail

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 31C933 Background



This preview shows how black text looks on a background with the Hex color 31C933.

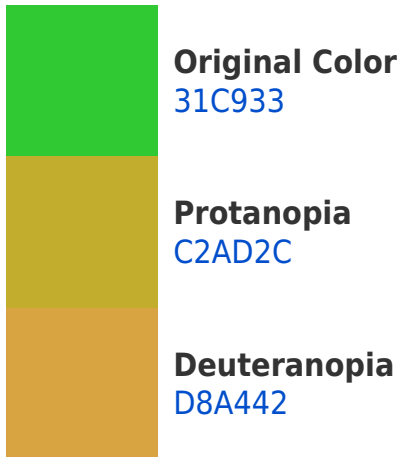


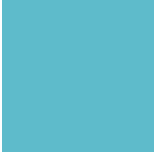
This preview shows how white text looks on a background with the Hex color 31C933.

# 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**  
5EBBCB

# Trichromacy



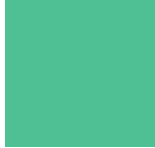
**Original Color**  
31C933



**Protanomaly**  
8DB72F



**Deuteranomaly**  
9BB13D



**Tritanomaly**  
4EC094

# Monochromacy



**Original Color**  
31C933



**Achromatopsia**  
8A8A8A



**Achromatomaly**  
6AA16A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31C933 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 #31C933 looks like.

```
.text, #text, p{  
    color:#31C933  
}
```

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 #31C933 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31C933
}
```

## Border

The CSS property to change the border of an element to Hex 31C933 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
#31C933 }
```

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

```
.border{ border-color:#31C933 }
```

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

Here you see how a box with a 4 pixel #31C933 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31C933; -webkit-box-shadow:4px 4px  
4px 4px #31C933; box-shadow:4px 4px 4px  
4px #31C933 }
```

# Background

The CSS property to change the background color of an element to Hex 31C933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31C933 }
```

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

```
.background{ background-color:#31C933 }
```

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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