

# Converting Colors

Hex(31A617)

Have a look what the booklet for  
Hex(31A617) contains.

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**Color**

**Hex(31A617)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31A617
RGB	49, 166, 23
RGB Percent	19%, 65%, 9%
CMY	0.8078, 0.3490, 0.9098
CMYK	0.70, 0.00, 0.86, 0.35
HSL	109°, 76%, 37%
HSV	109°, 86%, 65%
XYZ	15.0575, 27.9873, 5.4191
YIQ	114.7150, -23.8290, -69.2770

# Conversions

## Conversions Part 2

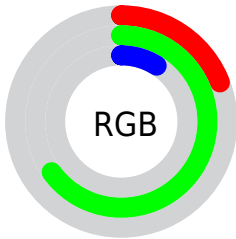
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">23, 166, 140</a>
Decimal	<a href="#">3253783</a>
CIELab	<a href="#">59.88, -56.51, 57.26</a>
CIElCh	<a href="#">60, 80.447, 134.625</a>
Yxy	<a href="#">27.9873, 0.3107, 0.5775</a>
Android (android.graphics.Color)	<a href="#">4281443863 (0xFF31A617)</a>
YUV	<a href="#">114.7150, -45.2155, -57.6321</a>
Hunter-Lab	<a href="#">52.9030, -41.7747, 30.9588</a>

# Details

The Hex color **31A617** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8C17A6**, and the grayscale version is **737373**.

A 20% lighter version of the original color is **71DE53**, and **007100** is the 20% darker color. If you saturate the color by 10%, you get **23A606**, and if you desaturate by 10%, it is **3FA628**.

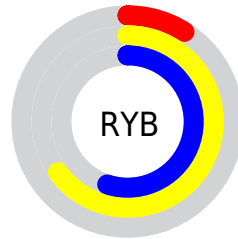
# Distribution



Red (19%)

Green (65%)

Blue (9%)



Red (9%)

Yellow (65%)

Blue (55%)

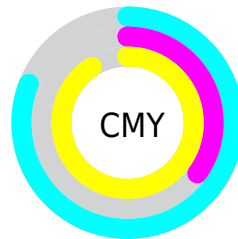


Cyan (70%)

Magenta (0%)

Yellow (86%)

Black (35%)



Cyan (81%)

Magenta (35%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31A617 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 31A617 by changing the saturation by 10% instead.





31A617



31A617

FFFFFF



008B00



71DE53



007100



8FFB6E



005700



ACFF89



003E00



CAFFA5



002800



E8FFC1



000000



FFFFDE



FFFFFFB



31A617



31A617

 23A606

 3FA628

 1EA600

 4CA638

 5AA649

 67A659

 75A66A

 82A67B

 90A68B

 9EA69C

 ABA6AC

# Harmonies

## Analogous

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



8E9800



31A617



00AD68

# Triad

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



31A617



00A3FF



FF3B71

# Complementary

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



31A617



8C17A6

# 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.



FB43B8



31A617



008DFF

# Square

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



31A617



00ADF3



BD6BF6



F85D2D

# Rectangle

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



31A617



00AF9A



BD6BF6



FF3788



# Sweetspot

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



31A617



ABD9A0



A68C17



526E4C



EDEDED



6E6E6E



# Same Dimension

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



31A617



27D900



17A644



4D544C



1B9400



041400



# Inverse Universe

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



8C17A6



B100D9



A61779



534C54



790094



110014



# Previews

## White Background



This preview shows how the Hex color 31A617 looks on a white background.

## Color Contrast Check

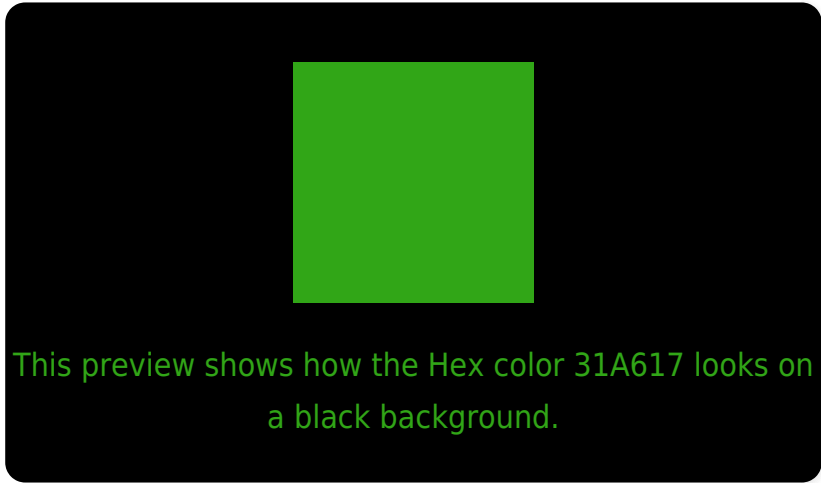
Large Text (above 18pt) WCAG AA ✓ Pass

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

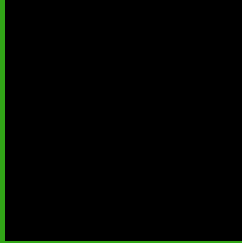
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 31A617 Background



This preview shows how black text looks on a background with the Hex color 31A617.



This preview shows how white text looks on a background with the Hex color 31A617.

# 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



**Original Color**  
31A617

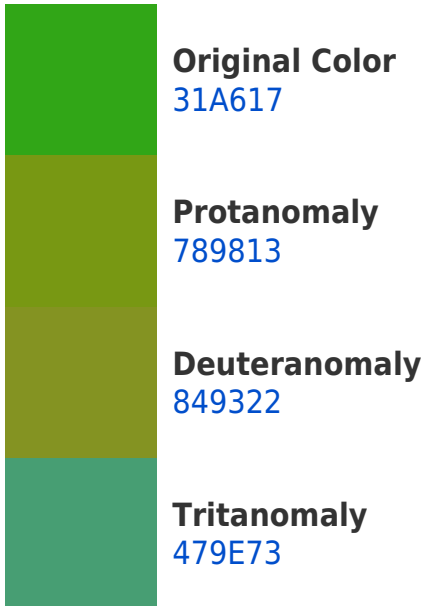
**Protanopia**  
A19010

**Deuteranopia**  
B48829



**Tritanopia**  
539AA7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31A617 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 #31A617 looks like.

```
.text, #text, p{  
    color:#31A617  
}
```

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 #31A617 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31A617
}
```

## Border

The CSS property to change the border of an element to Hex 31A617 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
#31A617 }
```

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

```
.border{ border-color:#31A617 }
```

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

Here you see how a box with a 4 pixel #31A617 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31A617; -webkit-box-shadow:4px 4px  
4px 4px #31A617; box-shadow:4px 4px 4px  
4px #31A617 }
```

# Background

The CSS property to change the background color of an element to Hex 31A617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31A617 }
```

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

```
.background{ background-color:#31A617 }
```

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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