

# Converting Colors

Hex(31A451)

Have a look what the booklet for  
Hex(31A451) contains.

<b>Hex(31A451)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(31A451)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31A451
RGB	49, 164, 81
RGB Percent	19%, 64%, 32%
CMY	0.8078, 0.3569, 0.6824
CMYK	0.70, 0.00, 0.51, 0.36
HSL	137°, 54%, 42%
HSV	137°, 70%, 64%
XYZ	16.0273, 27.7980, 12.3054
YIQ	120.1530, -41.8970, -50.1930

# Conversions

## Conversions Part 2

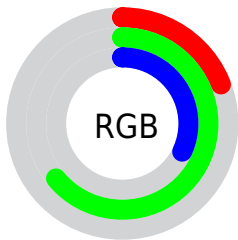
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 139, 164
Decimal	3253329
CIE <sub>Lab</sub>	59.71, -50.08, 33.83
CIE <sub>LCh</sub>	60, 60.440, 145.961
Yxy	27.7980, 0.2855, 0.4952
Android (android.graphics.Color)	4281443409 (0xFF31A451)
YUV	120.1530, -19.3024, -62.4012
Hunter-Lab	52.7238, -38.0051, 23.0687

# Details

The Hex color **31A451** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **A43184**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **6EDC84**, and **006F21** is the 20% darker color. If you saturate the color by 10%, you get **21A445**, and if you desaturate by 10%, it is **41A45D**.

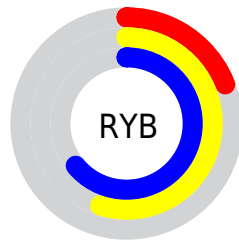
# Distribution



Red (19%)

Green (64%)

Blue (32%)



Red (19%)

Yellow (55%)

Blue (64%)

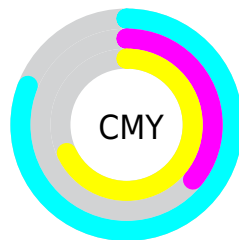


Cyan (70%)

Magenta (0%)

Yellow (51%)

Black (36%)



Cyan (81%)

Magenta (36%)

Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31A451 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 31A451 by changing the saturation by 10% instead.



 31A451

 31A451

FFFFFF

 008939

 6EDC84

 006F21

 8BF99E

 005506

 A8FFBA

 003D00

 C5FFD6

 002700

 E3FFF2

 000000

 31A451

 31A451

 21A445

 41A45D

 10A439

 52A469

 00A42E

 62A475

 73A480

 83A48C

 93A498

 A4A4A4

 B4A4B0

 C5A4BC

# Harmonies

## Analogous

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



7E9A25



31A451



00A887

# Triad

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



31A451



0098FA



EE6265

# Complementary

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



31A451



A43184

# 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.



EB5D99



31A451



8385F0

# Square

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



31A451



00A4E7



C96DCC



D87637

# Rectangle

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



31A451



00A9AB



C96DCC



F05E76



# Sweetspot

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



31A451



A9D6B6



85A431



506B58



EBEBEB



6B6B6B



# Same Dimension

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



31A451



22D654



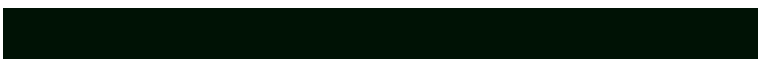
31A489



49524C



009128



001205



# Inverse Universe

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



A43184



D622A4



A4314C



52494F



910069



12000D



# Previews

## White Background



This preview shows how the Hex color 31A451 looks on a white background.

## Color Contrast Check

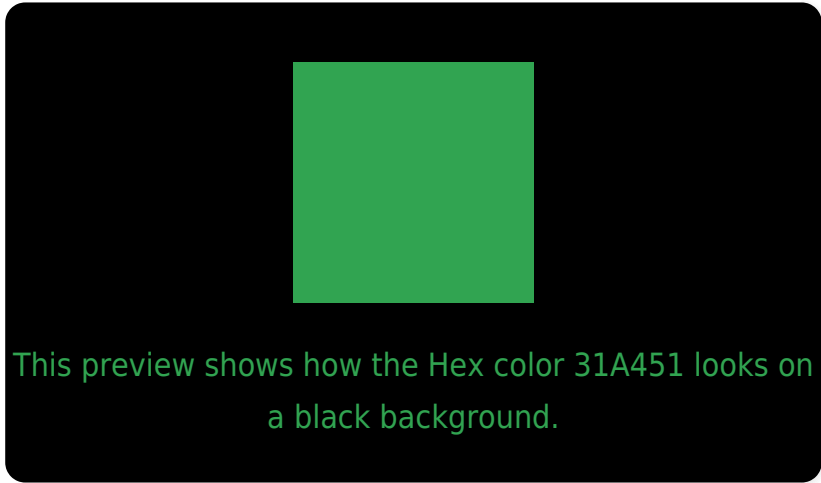
Large Text (above 18pt) WCAG AA ✓ Pass

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

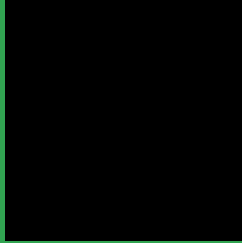
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 31A451 Background



This preview shows how black text looks on a background with the Hex color 31A451.

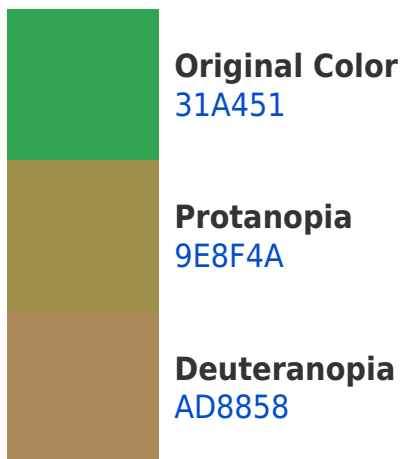


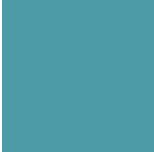
This preview shows how white text looks on a background with the Hex color 31A451.

# 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**  
4D9BA7

# Trichromacy



**Original Color**  
31A451



**Protanomaly**  
76974D



**Deuteranomaly**  
809255



**Tritanomaly**  
439E88

# Monochromacy



**Original Color**  
31A451



**Achromatopsia**  
787878



**Achromatomaly**  
5E886A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31A451 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 #31A451 looks like.

```
.text, #text, p{  
    color:#31A451  
}
```

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 #31A451 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31A451
}
```

## Border

The CSS property to change the border of an element to Hex 31A451 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
#31A451 }
```

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

```
.border{ border-color:#31A451 }
```

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

Here you see how a box with a 4 pixel #31A451 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31A451; -webkit-box-shadow:4px 4px  
4px 4px #31A451; box-shadow:4px 4px 4px  
4px #31A451 }
```

# Background

The CSS property to change the background color of an element to Hex 31A451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31A451 }
```

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

```
.background{ background-color:#31A451 }
```

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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