

Converting Colors

Hex(31A231)

Have a look what the booklet for
Hex(31A231) contains.

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Color

Hex(31A231)

Conversions

Conversions Part 1

Format	Color
Hex	31A231
RGB	49, 162, 49
RGB Percent	19%, 64%, 19%
CMY	0.8078, 0.3647, 0.8078
CMYK	0.70, 0.00, 0.70, 0.36
HSL	120°, 54%, 41%
HSV	120°, 70%, 64%
XYZ	14.7413, 26.7154, 7.2854
YIQ	115.3310, -31.0750, -59.0990

Conversions

Conversions Part 2

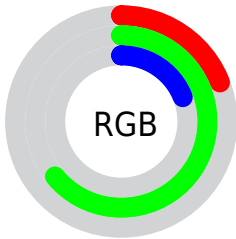
Format	Color
R_{YB}	49, 162, 162
Decimal	3252785
CIE _{Lab}	58.71, -53.39, 47.62
CIE _{LCh}	59, 71.536, 138.270
Yxy	26.7154, 0.3024, 0.5481
Android (android.graphics.Color)	4281442865 (0xFF31A231)
YUV	115.3310, -32.7012, -58.1723
Hunter-Lab	51.6869, -39.5432, 27.8238

Details

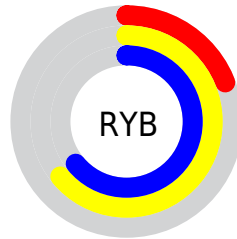
The Hex color **31A231** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **A231A2**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **6FDA65**, and **006D00** is the 20% darker color. If you saturate the color by 10%, you get **21A221**, and if you desaturate by 10%, it is **41A241**.

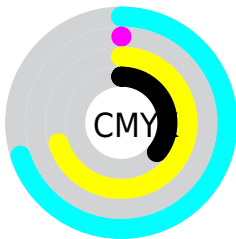
Distribution



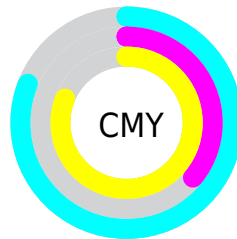
- Red (19%)
- Green (64%)
- Blue (19%)



- Red (19%)
- Yellow (64%)
- Blue (64%)



- Cyan (70%)
- Magenta (0%)
- Yellow (70%)
- Black (36%)



- Cyan (81%)
- Magenta (36%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Hex color 31A231 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 31A231 by changing the saturation by 10% instead.



31A231



31A231

FFFFFF



008714



6FDA65



006D00



8CF780



005300



A9FF9B



003B00



C7FFB6



002500



E4FFD3



000000



FFFFEF



31A231




31A231



21A221



41A241

 11A211

 51A251

 00A200

 62A262

 72A272

 82A282

 92A292

 A2A2A2

 B3A2B3

 C3A2C3

Harmonies

Analogous

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



869600



31A231



00A872

Triad

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



31A231



009CFF



FB4B6A

Complementary

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



31A231



A231A2

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.



F04DA9



31A231



5087FF

Square

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



31A231



00A6EA



BF69E2



E8652F

Rectangle

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



31A231



00AA9D



BF69E2



FC487F

Sweetspot

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



31A231



A7D4A7



A2A231



506B50



EBEBEB



6B6B6B

Same Dimension

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



31A231



22D422



31A26A



495249



009100



001200

Inverse Universe

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



A231A2



D422D4



A2316A



524952



910091



120012

Previews

White Background



This preview shows how the Hex color 31A231 looks on a white background.

Color Contrast Check

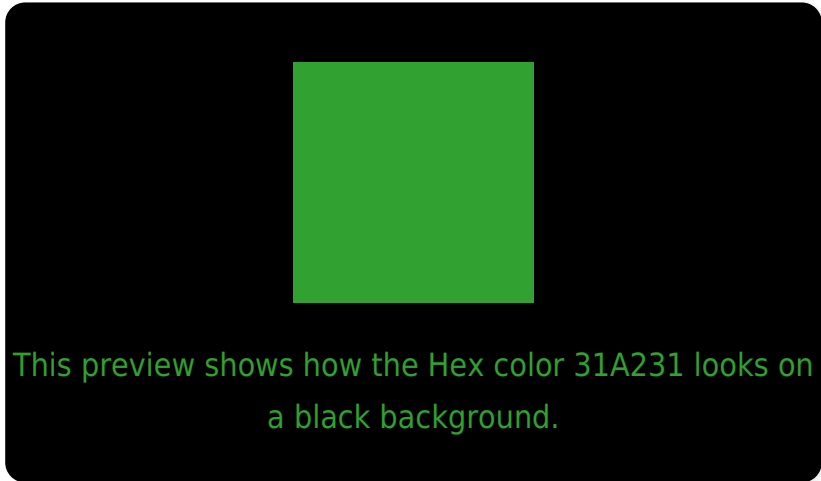
Large Text (above 18pt) WCAG AA ✓ Pass

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

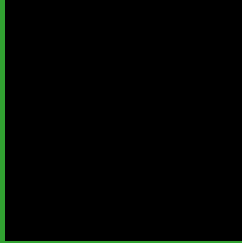
Any Text WCAG AA ✓ Pass

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 31A231 Background



This preview shows how black text looks on a background with the Hex color 31A231.



This preview shows how white text looks on a background with the Hex color 31A231.

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
31A231

Protanopia
9D8C2B

Deuteranopia
AE853B



Tritanopia
5097A4

Trichromacy



Original Color
31A231



Protanomaly
76942D



Deuteranomaly
819037



Tritanomaly
459B7A

Monochromacy



Original Color
31A231



Achromatopsia
737373



Achromatomaly
5B845B

CSS Examples

Text

The CSS property to change the color of the text to Hex 31A231 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 #31A231 looks like.

```
.text, #text, p{  
    color:#31A231  
}
```

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 #31A231 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31A231
}
```

Border

The CSS property to change the border of an element to Hex 31A231 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
#31A231 }
```

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

```
.border{ border-color:#31A231 }
```

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

Here you see how a box with a 4 pixel #31A231 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31A231; -webkit-box-shadow:4px 4px  
4px 4px #31A231; box-shadow:4px 4px 4px  
4px #31A231 }
```

Background

The CSS property to change the background color of an element to Hex 31A231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31A231 }
```

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

```
.background{ background-color:#31A231 }
```

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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