

# Converting Colors

Hex(31B46A)

Have a look what the booklet for  
Hex(31B46A) contains.

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# **Color**

**Hex(31B46A)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 31B46A                       |
| RGB         | 49, 180, 106                 |
| RGB Percent | 19%, 71%, 42%                |
| CMY         | 0.8078, 0.2941, 0.5843       |
| CMYK        | 0.73, 0.00, 0.41, 0.29       |
| HSL         | 146°, 57%, 45%               |
| HSV         | 146°, 73%, 71%               |
| XYZ         | 20.1894, 34.3361, 19.1991    |
| YIQ         | 132.3950, -54.3220, -50.7860 |

# Conversions

## Conversions Part 2

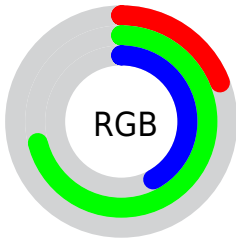
| Format                              | Color                           |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 49, 140, 180                    |
| Decimal                             | 3257450                         |
| CIELab                              | 65.23, -51.79, 27.90            |
| CIELCh                              | 65, 58.828, 151.691             |
| Yxy                                 | 34.3361, 0.2738,<br>0.4657      |
| Android<br>(android.graphics.Color) | 4281447530<br>(0xFF31B46A)      |
| YUV                                 | 132.3950, -13.0127,<br>-73.1374 |
| Hunter-Lab                          | 58.5970, -41.0432,<br>21.5917   |

# Details

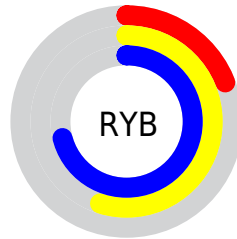
The Hex color **31B46A** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **B4317B**, and the grayscale version is **858585**.

A 20% lighter version of the original color is **71ED9E**, and **007E39** is the 20% darker color. If you saturate the color by 10%, you get **1FB460**, and if you desaturate by 10%, it is **43B474**.

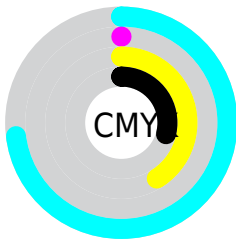
# Distribution



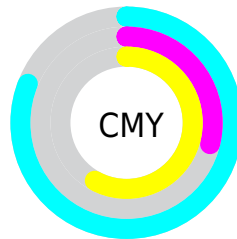
- Red (19%)
- Green (71%)
- Blue (42%)



- Red (19%)
- Yellow (55%)
- Blue (71%)



- Cyan (73%)
- Magenta (0%)
- Yellow (41%)
- Black (29%)



- Cyan (81%)
- Magenta (29%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31B46A 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 31B46A by changing the saturation by 10% instead.



 31B46A

 31B46A

FFFFFF

 009951

 71ED9E

 007E39

 8FFFB9

 006422

 ACFFD5

 004B0B

 CAFFF2

 003300

 E7FFFF

 001B00

 000000

 31B46A

 31B46A

 1FB460

 43B474

0DB456

55B47E

00B44E

67B489

79B493

8BB49D

9DB4A7

AFB4B1

C1B4BB

D3B4C6

# Harmonies

## Analogous

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



82AB3E



31B46A



00B8A0

# Triad

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



31B46A



1DA3FF



FB756A

# Complementary

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



31B46A



B4317B

# 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.



FC6E9E



31B46A



A48FF8

# Square

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



31B46A



00B1FA



E179D1



E18940

# Rectangle

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



31B46A



00B8C4



E179D1



FE717A



# Sweetspot

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



31B46A



B7EBCD



7BB431



577564



F5F5F5



757575



# Same Dimension

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



31B46A



1EEB77



31B4AB



505954



009943



001A0B



# Inverse Universe

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



B4317B



EB1E92



B4313A



595055



990056



1A000E



# Previews

## White Background



This preview shows how the Hex color 31B46A looks on a white background.

## Color Contrast Check

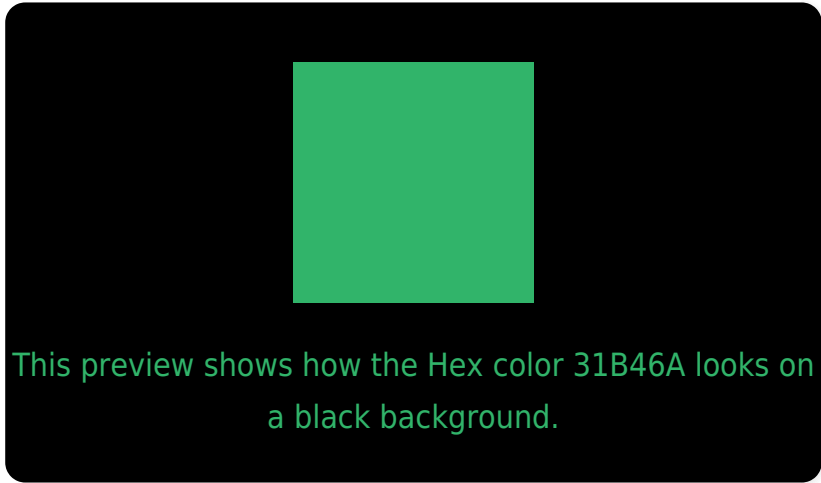
Large Text (above 18pt) WCAG AA × Fail

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

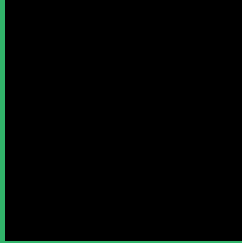
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 31B46A Background



This preview shows how black text looks on a background with the Hex color 31B46A.

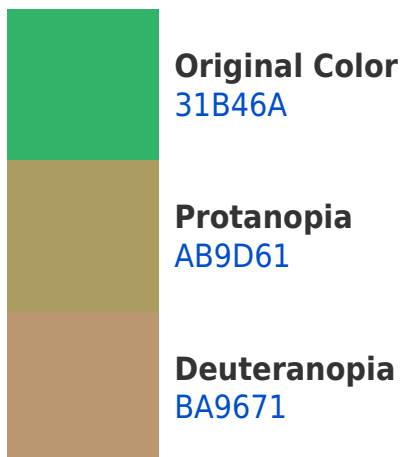


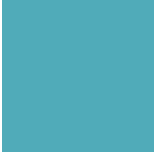
This preview shows how white text looks on a background with the Hex color 31B46A.

# 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](#).

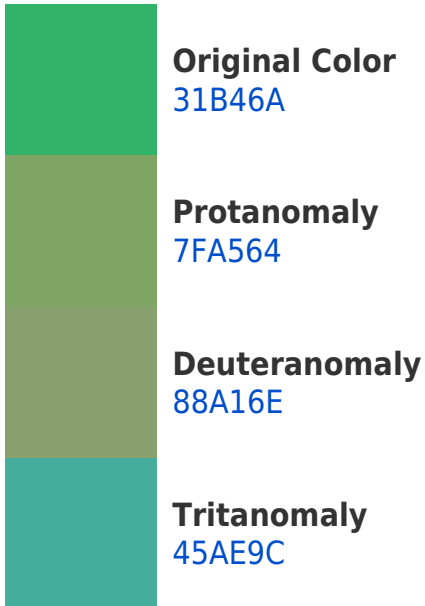
## Dichromacy





**Tritanopia**  
50ABB9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31B46A 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 #31B46A looks like.

```
.text, #text, p{  
    color:#31B46A  
}
```

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 #31B46A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31B46A
}
```

## Border

The CSS property to change the border of an element to Hex 31B46A 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
#31B46A }
```

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

```
.border{ border-color:#31B46A }
```

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

Here you see how a box with a 4 pixel #31B46A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31B46A; -webkit-box-shadow:4px 4px  
4px 4px #31B46A; box-shadow:4px 4px 4px  
4px #31B46A }
```

# Background

The CSS property to change the background color of an element to Hex 31B46A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31B46A }
```

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

```
.background{ background-color:#31B46A }
```

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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