

# Converting Colors

Hex(31A138)

Have a look what the booklet for  
Hex(31A138) contains.

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**Color**

**Hex(31A138)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 31A138                       |
| RGB         | 49, 161, 56                  |
| RGB Percent | 19%, 63%, 22%                |
| CMY         | 0.8078, 0.3686, 0.7804       |
| CMYK        | 0.70, 0.00, 0.65, 0.37       |
| HSL         | 124°, 53%, 41%               |
| HSV         | 124°, 70%, 63%               |
| XYZ         | 14.7253, 26.4282, 8.0664     |
| YIQ         | 115.5420, -33.0470, -56.3990 |

# Conversions

## Conversions Part 2

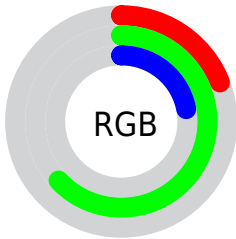
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>R<sub>YB</sub></b>               | 49, 154, 161                    |
| Decimal                             | 3252536                         |
| CIE <sub>Lab</sub>                  | 58.44, -52.33, 44.35            |
| CIE <sub>LCh</sub>                  | 58, 68.592, 139.717             |
| Yxy                                 | 26.4282, 0.2992,<br>0.5369      |
| Android<br>(android.graphics.Color) | 4281442616<br>(0xFF31A138)      |
| YUV                                 | 115.5420, -29.3542,<br>-58.3573 |
| Hunter-Lab                          | 51.4084, -38.8356,<br>26.6827   |

# Details

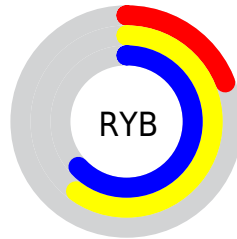
The Hex color **31A138** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **A1319A**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **6FD96B**, and **006C00** is the 20% darker color. If you saturate the color by 10%, you get **21A129**, and if you desaturate by 10%, it is **41A147**.

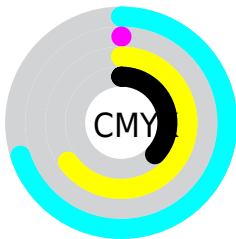
# Distribution



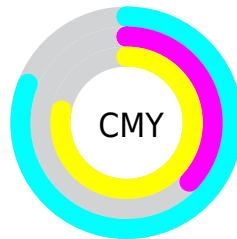
- Red (19%)
- Green (63%)
- Blue (22%)



- Red (19%)
- Yellow (60%)
- Blue (63%)



- Cyan (70%)
- Magenta (0%)
- Yellow (65%)
- Black (37%)



- Cyan (81%)
- Magenta (37%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31A138 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 31A138 by changing the saturation by 10% instead.





31A138



31A138

FFFFFF



00861E



6FD96B



006C00



8BF686



005300



A8FFA1



003A00



C6FFBC



002400



E3FFD9



000000



FFFFFF6



31A138



31A138



21A129



41A147

■ 11A11A

■ 51A156

■ 01A10B

■ 61A165

■ 00A10A

■ 71A174

■ 82A183

■ 92A193

■ A2A1A2

■ B2A1B1

■ C2A1C0

# Harmonies

## Analogous

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



839600



31A138



00A775

# Triad

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



31A138



009AFF



F65068

# Complementary

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



31A138



A1319A

# 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.



ED50A4



31A138



5D85FF

# Square

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



31A138



00A4E8



C069DB



E26830

# Rectangle

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



31A138



00A89F



C069DB



F74C7C



# Sweetspot

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



31A138



A5D1A8



9BA131



4E6950



E8E8E8



696969



# Same Dimension

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



31A138



24D12E



31A16F



49524A



009109



001201



# Inverse Universe

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



A1319A



D124C6



A13163



524951



910088



120011



# Previews

## White Background



This preview shows how the Hex color 31A138 looks on a white background.

## Color Contrast Check

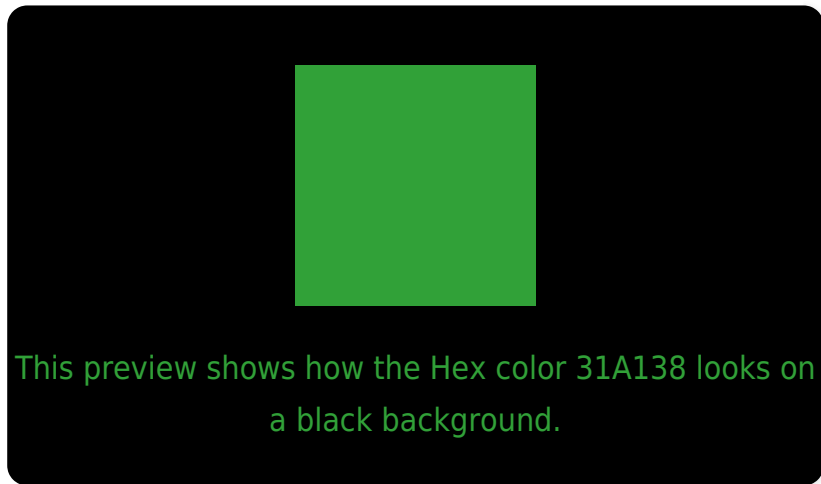
Large Text (above 18pt) WCAG AA ✓ Pass

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

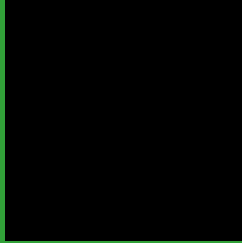
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 31A138 Background



This preview shows how black text looks on a background with the Hex color 31A138.



This preview shows how white text looks on a background with the Hex color 31A138.

# 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**  
31A138

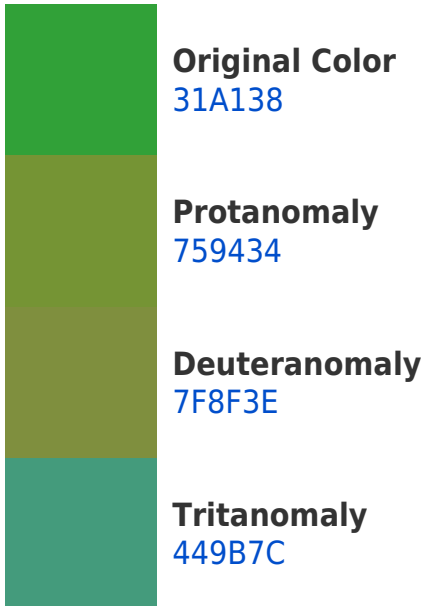
**Protanopia**  
9C8C32

**Deuteranopia**  
AC8541

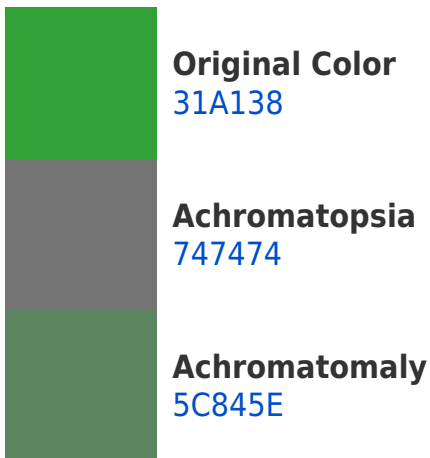


**Tritanopia**  
4F97A3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31A138 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 #31A138 looks like.

```
.text, #text, p{  
    color:#31A138  
}
```

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 #31A138 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31A138
}
```

## Border

The CSS property to change the border of an element to Hex 31A138 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
#31A138 }
```

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

```
.border{ border-color:#31A138 }
```

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

Here you see how a box with a 4 pixel #31A138 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31A138; -webkit-box-shadow:4px 4px  
4px 4px #31A138; box-shadow:4px 4px 4px  
4px #31A138 }
```

# Background

The CSS property to change the background color of an element to Hex 31A138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31A138 }
```

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

```
.background{ background-color:#31A138 }
```

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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