

# Converting Colors

Hex(30AE66)

Have a look what the booklet for  
Hex(30AE66) contains.

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# Color

Hex(30AE66)

# Conversions

## Conversions Part 1

Format	Color
Hex	30AE66
RGB	48, 174, 102
RGB Percent	19%, 68%, 40%
CMY	0.8118, 0.3176, 0.6000
CMYK	0.72, 0.00, 0.41, 0.32
HSL	146°, 57%, 44%
HSV	146°, 72%, 68%
XYZ	18.7532, 31.8598, 17.7315
YIQ	128.1180, -51.9840, -49.1040

# Conversions

## Conversions Part 2

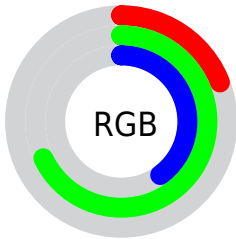
Format	Color
<a href="#">RYB</a>	<a href="#">48, 136, 174</a>
Decimal	<a href="#">3190374</a>
CIELab	<a href="#">63.23, -50.41, 27.38</a>
CIElCh	<a href="#">63, 57.368, 151.492</a>
Yxy	<a href="#">31.8598, 0.2744, 0.4662</a>
Android (android.graphics.Color)	<a href="#">4281380454 (0xFF30AE66)</a>
YUV	<a href="#">128.1180, -12.8762, -70.2635</a>
Hunter-Lab	<a href="#">56.4445, -39.4726, 20.8857</a>

# Details

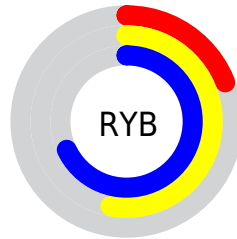
The Hex color **30AE66** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **AE3078**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **6FE69A**, and **007836** is the 20% darker color. If you saturate the color by 10%, you get **1FAE5C**, and if you desaturate by 10%, it is **41AE70**.

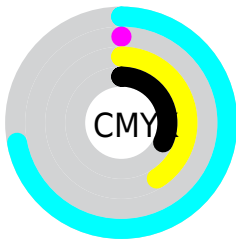
# Distribution



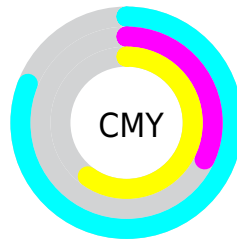
- Red (19%)
- Green (68%)
- Blue (40%)



- Red (19%)
- Yellow (53%)
- Blue (68%)



- Cyan (72%)
- Magenta (0%)
- Yellow (41%)
- Black (32%)



- Cyan (81%)
- Magenta (32%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 30AE66 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 30AE66 by changing the saturation by 10% instead.



 30AE66

 30AE66

FFFFFF

 00934D

 6FE69A

 007836

 8DFFB5

 005F1F

 AAFFD1

 004607

 C7FFED

 002F00

 E5FFFF

 001300

 000000

 30AE66

 30AE66

 1FAE5C

 41AE70

0DAE52

53AE7A

00AE4B

64AE84

76AE8E

87AE98

98AEA2

AAEAC

BBAEB6

CDAEBF

# Harmonies

## Analogous

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



7EA53C



30AE66



00B29A

# Triad

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



30AE66



189EFF



F37167

# Complementary

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



30AE66



AE3078

# 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.



F46A99



30AE66



9E8AF0

# Square

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



30AE66



00ABF2



D975CB



DA843E

# Rectangle

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



30AE66



00B2BD



D975CB



F66D77



# Sweetspot

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



30AE66



B1E3C6



7AAE30



557362



F2F2F2



737373



# Same Dimension

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



30AE66



1EE372



30AEA3



4E5752



009640



00170A



# Inverse Universe

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



AE3078



E31E8E



AE303A



574E53



960056



17000D



# Previews

## White Background



This preview shows how the Hex color 30AE66 looks on a white background.

## Color Contrast Check

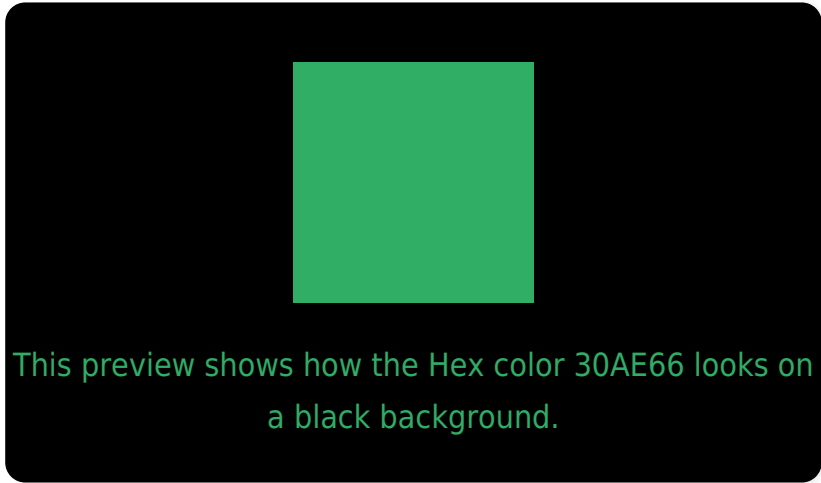
Large Text (above 18pt) WCAG AA × Fail

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

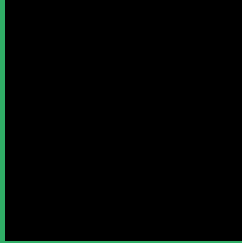
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 30AE66 Background



This preview shows how black text looks on a background with the Hex color 30AE66.

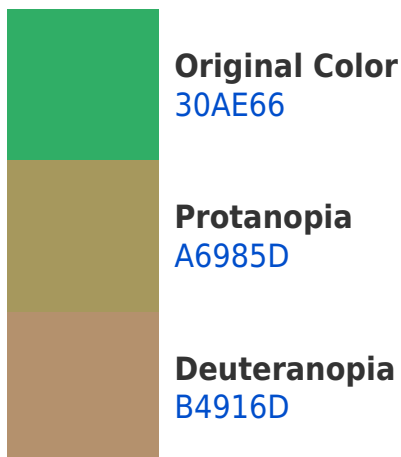


This preview shows how white text looks on a background with the Hex color 30AE66.

# 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](#).

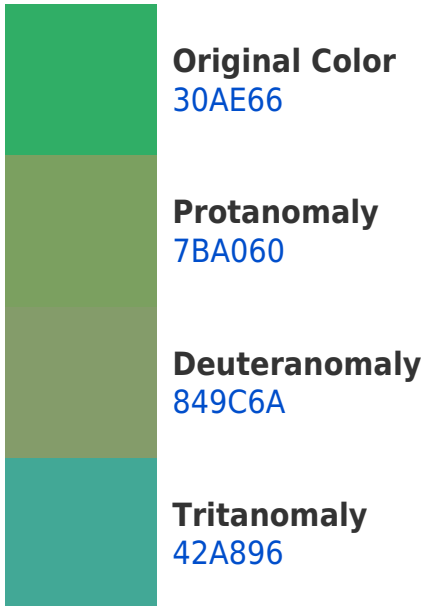
## Dichromacy





**Tritanopia**  
4DA5B2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 30AE66 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 #30AE66 looks like.

```
.text, #text, p{  
    color:#30AE66  
}
```

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 #30AE66 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #30AE66  
}
```

## Border

The CSS property to change the border of an element to Hex 30AE66 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  
#30AE66 }
```

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

```
.border{ border-color:#30AE66 }
```

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

Here you see how a box with a 4 pixel #30AE66 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #30AE66; -webkit-box-shadow:4px 4px  
4px 4px #30AE66; box-shadow:4px 4px 4px  
4px #30AE66 }
```

# Background

The CSS property to change the background color of an element to Hex 30AE66 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#30AE66 }
```

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

```
.background{ background-color:#30AE66 }
```

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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