

# Converting Colors

Hex(30AE54)

Have a look what the booklet for  
Hex(30AE54) contains.

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# Color

Hex(30AE54)

# Conversions

## Conversions Part 1

Format	Color
Hex	30AE54
RGB	48, 174, 84
RGB Percent	19%, 68%, 33%
CMY	0.8118, 0.3176, 0.6706
CMYK	0.72, 0.00, 0.52, 0.32
HSL	137°, 57%, 44%
HSV	137°, 72%, 68%
XYZ	17.9552, 31.5406, 13.5291
YIQ	126.0660, -46.2060, -54.7020

# Conversions

## Conversions Part 2

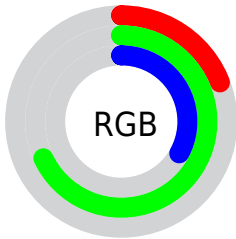
Format	Color
<a href="#">RYB</a>	48, 146, 174
Decimal	3190356
CIELab	62.96, -53.46, 36.34
CIElCh	63, 64.639, 145.792
Yxy	31.5406, 0.2849, 0.5004
Android (android.graphics.Color)	4281380436 (0xFF30AE54)
YUV	126.0660, -20.7385, -68.4639
Hunter-Lab	56.1610, -41.2136, 25.0298

# Details

The Hex color **30AE54** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **AE308A**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **70E787**, and **007823** is the 20% darker color. If you saturate the color by 10%, you get **1FAE48**, and if you desaturate by 10%, it is **41AE60**.

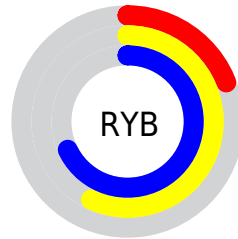
# Distribution



Red (19%)

Green (68%)

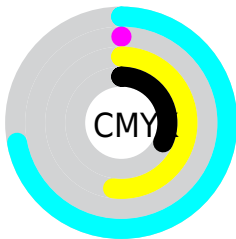
Blue (33%)



Red (19%)

Yellow (57%)

Blue (68%)

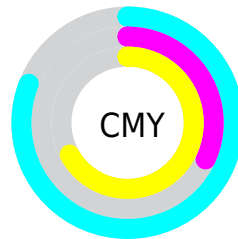


Cyan (72%)

Magenta (0%)

Yellow (52%)

Black (32%)



Cyan (81%)

Magenta (32%)

Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 30AE54 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 30AE54 by changing the saturation by 10% instead.



 30AE54

 30AE54

FFFFFF

 00933B

 70E787

 007823

 8DFFA2

 005E08

 AAFFBE

 004500

 C8FFDA

 002F00

 E6FFF7

 001200

 000000

 30AE54

 30AE54

 1FAE48

 41AE60

 0DAE3B

 53AE6D

 00AE32

 64AE79

 76AE86

 87AE92

 98AE9F

 AA AEAB

 BB AE B7

 CD AE C4

# Harmonies

## Analogous

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



85A423



30AE54



00B38E

# Triad

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



30AE54



00A1FF



FE666A

# Complementary

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



30AE54



AE308A

# 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.



FA61A3



30AE54



898DFF

# Square

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



30AE54



00AEF7



D673DA



E67C38

# Rectangle

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



30AE54



00B4B6



D673DA



FF617C



# Sweetspot

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



30AE54



B1E3BF



8AAE30



55735D



F2F2F2



737373



# Same Dimension

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



30AE54



1EE356



30AE93



4E5751



00962B



001707



# Inverse Universe

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



AE308A



E31EAB



AE304B



574E54



96006B



170010



# Previews

## White Background



This preview shows how the Hex color 30AE54 looks on a white background.

## Color Contrast Check

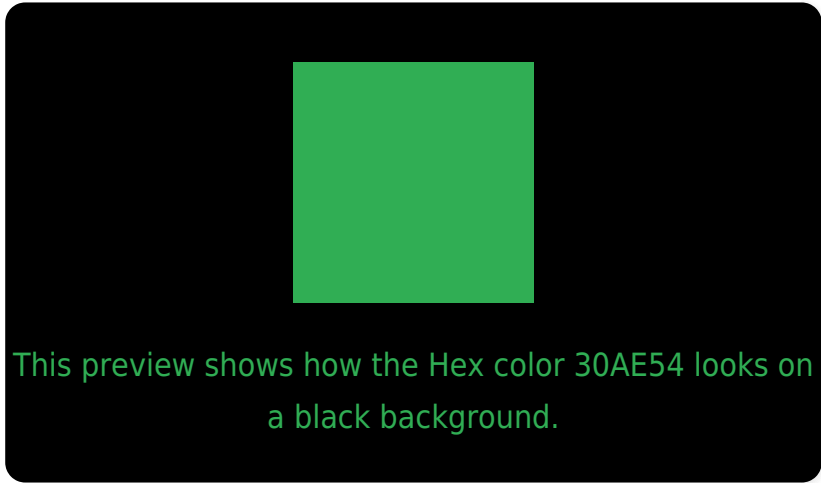
Large Text (above 18pt) WCAG AA × Fail

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 30AE54 Background



This preview shows how black text looks on a background with the Hex color 30AE54.



This preview shows how white text looks on a background with the Hex color 30AE54.

# 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](#).

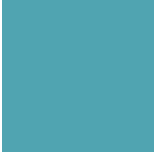
## Dichromacy



**Original Color**  
30AE54

**Protanopia**  
A7974C

**Deuteranopia**  
B7905C



**Tritanopia**  
50A4B1

# Trichromacy



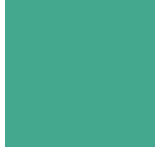
**Original Color**  
30AE54



**Protanomaly**  
7C9F4F



**Deuteranomaly**  
869B59



**Tritanomaly**  
44A88F

# Monochromacy



**Original Color**  
30AE54



**Achromatopsia**  
7E7E7E



**Achromatomaly**  
628F6F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 30AE54 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 #30AE54 looks like.

```
.text, #text, p{  
    color:#30AE54  
}
```

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 #30AE54 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #30AE54
}
```

## Border

The CSS property to change the border of an element to Hex 30AE54 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
#30AE54 }
```

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

```
.border{ border-color:#30AE54 }
```

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

Here you see how a box with a 4 pixel #30AE54 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #30AE54; -webkit-box-shadow:4px 4px  
4px 4px #30AE54; box-shadow:4px 4px 4px  
4px #30AE54 }
```

# Background

The CSS property to change the background color of an element to Hex 30AE54 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#30AE54 }
```

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

```
.background{ background-color:#30AE54 }
```

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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