

# Converting Colors

Hex(3AE487)

Have a look what the booklet for  
Hex(3AE487) contains.

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**Color**

**Hex(3AE487)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3AE487
RGB	58, 228, 135
RGB Percent	23%, 89%, 53%
CMY	0.7725, 0.1059, 0.4706
CMYK	0.75, 0.00, 0.41, 0.11
HSL	147°, 76%, 56%
HSV	147°, 75%, 89%
XYZ	33.8615, 58.1356, 32.3583
YIQ	166.5680, -71.4670, -64.9630

# Conversions

## Conversions Part 2

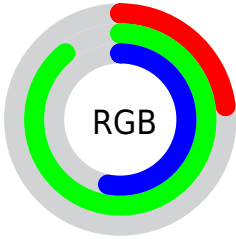
Format	Color
<a href="#">RYB</a>	<a href="#">58, 175, 228</a>
Decimal	<a href="#">3859591</a>
CIELab	<a href="#">80.81, -62.85, 33.45</a>
CIELCh	<a href="#">81, 71.198, 151.974</a>
Yxy	<a href="#">58.1356, 0.2723, 0.4675</a>
Android (android.graphics.Color)	<a href="#">4282049671</a> ( <a href="#">0xFF3AE487</a> )
YUV	<a href="#">166.5680, -15.5630, -95.2141</a>
Hunter-Lab	<a href="#">76.2467, -54.1591, 28.2107</a>

# Details

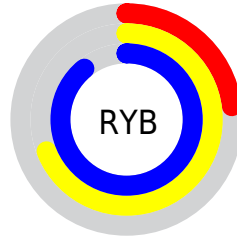
The Hex color **3AE487** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle washed spring green. A complement of this color would be **E43A97**, and the grayscale version is **A7A7A7**.

A 20% lighter version of the original color is **80FFBD**, and **00AB54** is the 20% darker color. If you saturate the color by 10%, you get **23E47B**, and if you desaturate by 10%, it is **51E493**.

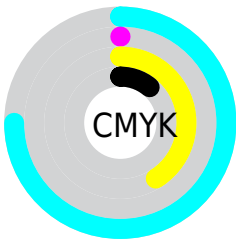
# Distribution



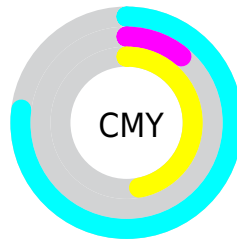
- Red (23%)
- Green (89%)
- Blue (53%)



- Red (23%)
- Yellow (69%)
- Blue (89%)



- Cyan (75%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)



- Cyan (77%)
- Magenta (11%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3AE487 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 3AE487 by changing the saturation by 10% instead.



 3AE487

 3AE487


FFFFFF

 00C76D

 80FFBD

 00AB54

 A0FFD9

 00903B

 BFFFF6

 007523

 DEFFFF

 005B0A

 FDFFFF

 004200

 002A00

 000600

 000000

 3AE487

 3AE487

 23E47B

 51E493

 0CE46E

 68E4A0

 00E467

 7EE4AC

 95E4B9

 ACE4C5

 C3E4D2

 DAE4DE

 F0E4EB

 FFE4F7

# Harmonies

## Analogous

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



A4D94F



3AE487



00E9CB

# Triad

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



3AE487



1ECFFF



FF9586

# Complementary

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



3AE487



E43A97

# 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.



FF8BC7



3AE487



D0B5FF

# Square

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



3AE487



00E0FF



FF99FF



FFAE51

# Rectangle

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



3AE487



00E9F9



FF99FF



FF8F9B

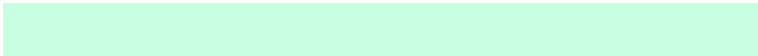


# Sweetspot

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



3AE487



C7FFE0



98E43A



5E806D



000000



808080



# Same Dimension

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



3AE487



1CFF83



3AE4DB



67736C



00B351



003317



# Inverse Universe

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



E43A97



FF1C98



E43A42



73676E



B30062

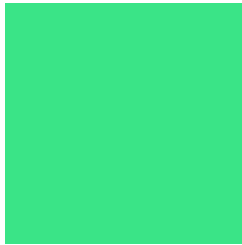


33001C



# Previews

## White Background



This preview shows how the Hex color 3AE487 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



This preview shows how the Hex color 3AE487 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

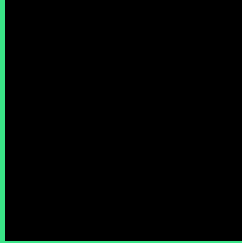
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 3AE487 Background



This preview shows how black text looks on a background with the Hex color 3AE487.

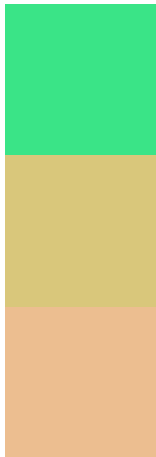


This preview shows how white text looks on a background with the Hex color 3AE487.

# 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](#).

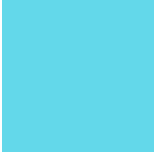
## Dichromacy



**Original Color**  
3AE487

**Protanopia**  
D9C77B

**Deuteranopia**  
ECBE90



**Tritanopia**  
63D8EA

# Trichromacy



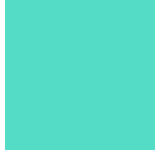
**Original Color**  
3AE487



**Protanomaly**  
9FD27F



**Deuteranomaly**  
ABCC8D



**Tritanomaly**  
54DCC6

# Monochromacy



**Original Color**  
3AE487



**Achromatopsia**  
A7A7A7



**Achromatomaly**  
7FBD9B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3AE487 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 #3AE487 looks like.

```
.text, #text, p{  
    color:#3AE487  
}
```

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 #3AE487 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3AE487
}
```

## Border

The CSS property to change the border of an element to Hex 3AE487 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
#3AE487 }
```

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

```
.border{ border-color:#3AE487 }
```

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

Here you see how a box with a 4 pixel #3AE487 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3AE487; -webkit-box-shadow:4px 4px  
4px 4px #3AE487; box-shadow:4px 4px 4px  
4px #3AE487 }
```

# Background

The CSS property to change the background color of an element to Hex 3AE487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3AE487 }
```

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

```
.background{ background-color:#3AE487 }
```

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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