

# Converting Colors

Hex(34D66E)

Have a look what the booklet for  
Hex(34D66E) contains.

<b>Hex(34D66E)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(34D66E)

# Conversions

## Conversions Part 1

Format	Color
Hex	34D66E
RGB	52, 214, 110
RGB Percent	20%, 84%, 43%
CMY	0.7961, 0.1608, 0.5686
CMYK	0.76, 0.00, 0.49, 0.16
HSL	141°, 66%, 52%
HSV	141°, 76%, 84%
XYZ	28.2772, 49.9490, 22.9026
YIQ	153.7060, -63.1680, -66.6880

# Conversions

## Conversions Part 2

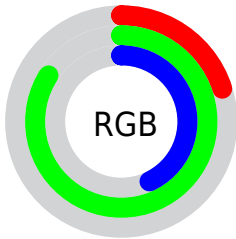
Format	Color
<a href="#">RYB</a>	<a href="#">52, 171, 214</a>
Decimal	<a href="#">3462766</a>
CIELab	<a href="#">76.04, -62.93, 39.74</a>
CIELCh	<a href="#">76, 74.428, 147.725</a>
Yxy	<a href="#">49.9490, 0.2796, 0.4939</a>
Android (android.graphics.Color)	<a href="#">4281652846 (0xFF34D66E)</a>
YUV	<a href="#">153.7060, -21.5471, -89.1962</a>
Hunter-Lab	<a href="#">70.6746, -52.2619, 30.2589</a>

# Details

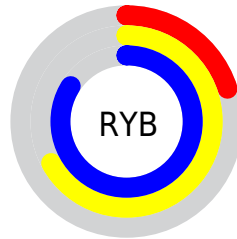
The Hex color **34D66E** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **D6349C**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **7AFFA3**, and **009E3B** is the 20% darker color. If you saturate the color by 10%, you get **1FD660**, and if you desaturate by 10%, it is **49D67C**.

# Distribution



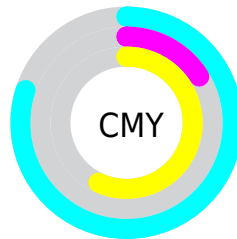
- Red (20%)
- Green (84%)
- Blue (43%)



- Red (20%)
- Yellow (67%)
- Blue (84%)



- Cyan (76%)
- Magenta (0%)
- Yellow (49%)
- Black (16%)



- Cyan (80%)
- Magenta (16%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 34D66E 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 34D66E by changing the saturation by 10% instead.



 34D66E

 34D66E

FFFFFF

 00BA54

 7AFFA3

 009E3B

 99FFBF

 008322

 B8FFDB

 006804

 D7FFF8

 004F00

 F5FFFF

 003700

 001D00

 000000

 34D66E

 34D66E

■ 1FD660

■ 49D67C

■ 09D653

■ 5FD689

■ 00D64D

■ 74D697

■ 8AD6A5

■ 9FD6B3

■ B4D6C0

■ CAD6CE

■ DFD6DC

■ F5D6EA

# Harmonies

## Analogous

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



9FCA33



34D66E



00DBB4

# Triad

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



34D66E



00C5FF



FF8180

# Complementary

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



34D66E



D6349C

# 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.



FF79C4



34D66E



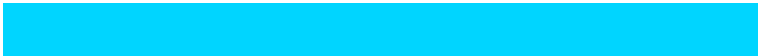
B1ABFF

# Square

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



34D66E



00D5FF



FF8DFF



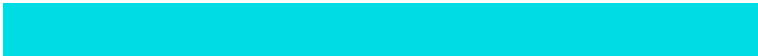
FF9B45

# Rectangle

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



34D66E



00DCE3



FF8DFF



FF7B96

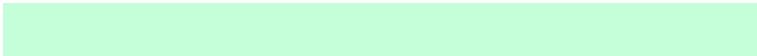


# Sweetspot

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



34D66E



C4FFD9



9DD634



5C8069



000000



808080



# Same Dimension

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



34D66E



17FF6A



34D6BE



606B64



00AB3D



002B10



# Inverse Universe

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



D6349C



FF17AC



D6344C



6B6067



AB006E

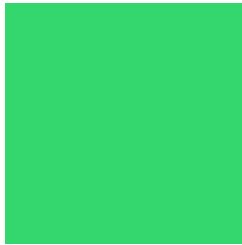


2B001C



# Previews

## White Background



This preview shows how the Hex color 34D66E looks on a white background.

## Color Contrast Check

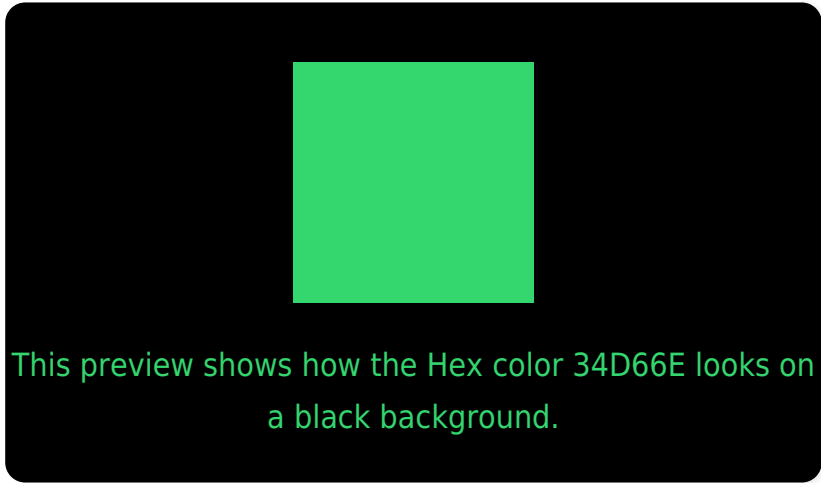
Large Text (above 18pt) WCAG AA × Fail

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

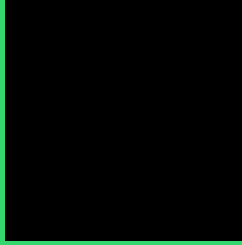
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 34D66E Background



This preview shows how black text looks on a background with the Hex color 34D66E.

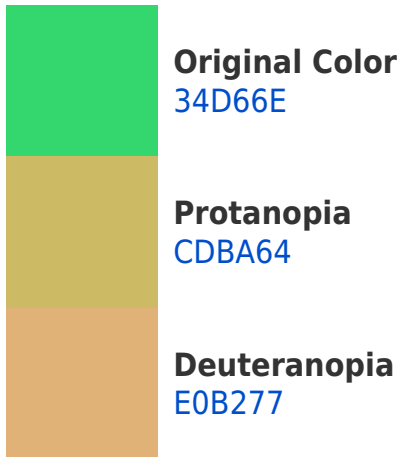


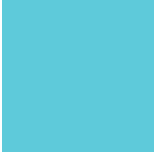
This preview shows how white text looks on a background with the Hex color 34D66E.

# 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





# Trichromacy



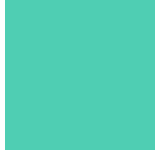
**Original Color**  
34D66E



**Protanomaly**  
95C468



**Deuteranomaly**  
A1BF74



**Tritanomaly**  
4FCEB3

# Monochromacy



**Original Color**  
34D66E



**Achromatopsia**  
9A9A9A



**Achromatomaly**  
75B08A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 34D66E 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 #34D66E looks like.

```
.text, #text, p{  
    color:#34D66E  
}
```

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 #34D66E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #34D66E
}
```

## Border

The CSS property to change the border of an element to Hex 34D66E 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
#34D66E }
```

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

```
.border{ border-color:#34D66E }
```

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

Here you see how a box with a 4 pixel #34D66E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #34D66E; -webkit-box-shadow:4px 4px  
4px 4px #34D66E; box-shadow:4px 4px 4px  
4px #34D66E }
```

# Background

The CSS property to change the background color of an element to Hex 34D66E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#34D66E }
```

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

```
.background{ background-color:#34D66E }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor