

# Converting Colors

Hex(34D643)

Have a look what the booklet for  
Hex(34D643) contains.

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**Color**

**Hex(34D643)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34D643
RGB	52, 214, 67
RGB Percent	20%, 84%, 26%
CMY	0.7961, 0.1608, 0.7373
CMYK	0.76, 0.00, 0.69, 0.16
HSL	126°, 66%, 52%
HSV	126°, 76%, 84%
XYZ	26.4759, 49.2284, 13.4168
YIQ	148.8040, -49.3650, -80.0610

# Conversions

## Conversions Part 2

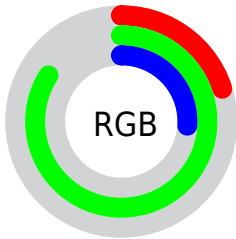
Format	Color
R <sub>YB</sub>	52, 200, 214
Decimal	3462723
CIE Lab	75.59, -68.26, 58.40
CIE LCh	76, 89.827, 139.451
Yxy	49.2284, 0.2971, 0.5524
Android (android.graphics.Color)	4281652803 (0xFF34D643)
YUV	148.8040, -40.3294, -84.8971
Hunter-Lab	70.1630, -55.4286, 37.7764

# Details

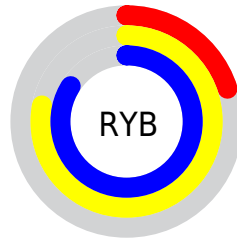
The Hex color **34D643** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **D634C7**, and the grayscale version is **959595**.

A 20% lighter version of the original color is **7CFF7A**, and **009E00** is the 20% darker color. If you saturate the color by 10%, you get **1FD630**, and if you desaturate by 10%, it is **49D656**.

# Distribution



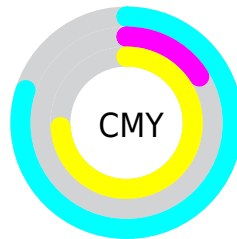
- Red (20%)
- Green (84%)
- Blue (26%)



- Red (20%)
- Yellow (78%)
- Blue (84%)



- Cyan (76%)
- Magenta (0%)
- Yellow (69%)
- Black (16%)



- Cyan (80%)
- Magenta (16%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 34D643 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 34D643 by changing the saturation by 10% instead.



 34D643

 34D643

FFFFFF

 00BA25

 7CFF7A

 009E00

 9BFF96

 008200

 BAFFB2

 006800

 D9FFCE

 004E00

 F8FFEB

 003700

 001C00

 000000

 34D643

 34D643

 1FD630

 49D656

 09D61C

 5FD66A

 00D614

 74D67D

 8AD691

 9FD6A4

 B4D6B8

 CAD6CB

 DFD6DE

 F5D6F2

# Harmonies

## Analogous

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



ACC600



34D643



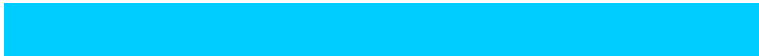
00DE99

# Triad

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



34D643



00CDFE



FF6288

# Complementary

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



34D643



D634C7

# 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.



FF62DB



34D643



70B1FF

# Square

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



34D643



00DBFF



FF89FF



FF873A

# Rectangle

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



34D643



00DFD3



FF89FF



FF5CA4

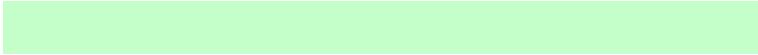


# Sweetspot

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



34D643



C4FFCA



C9D634



5C805F



000000



808080



# Same Dimension

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



34D643



17FF2C



34D693



606B61



00AB10



002B04



# Inverse Universe

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



D634C7



FF17EA



D63477



6B606A



AB009B

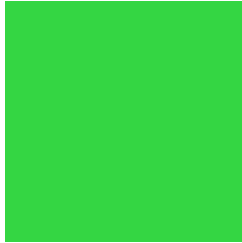


2B0027



# Previews

## White Background



This preview shows how the Hex color 34D643 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 34D643 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 34D643 Background



This preview shows how black text looks on a background with the Hex color 34D643.

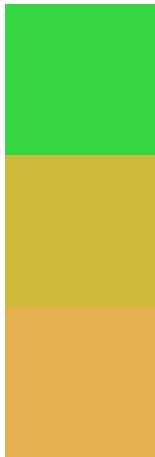


This preview shows how white text looks on a background with the Hex color 34D643.

# 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](#).

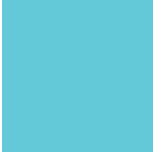
## Dichromacy



**Original Color**  
34D643

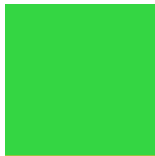
**Protanopia**  
CFB93B

**Deuteranopia**  
E5B050



**Tritanopia**  
63C8D8

# Trichromacy



**Original Color**  
34D643



**Protanomaly**  
97C43E



**Deuteranomaly**  
A5BE4B



**Tritanomaly**  
52CDA2

# Monochromacy



**Original Color**  
34D643



**Achromatopsia**  
959595



**Achromatomaly**  
72AD77

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 34D643 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 #34D643 looks like.

```
.text, #text, p{  
    color:#34D643  
}
```

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 #34D643 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #34D643
}
```

## Border

The CSS property to change the border of an element to Hex 34D643 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
#34D643 }
```

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

```
.border{ border-color:#34D643 }
```

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

Here you see how a box with a 4 pixel #34D643 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #34D643; -webkit-box-shadow:4px 4px  
4px 4px #34D643; box-shadow:4px 4px 4px  
4px #34D643 }
```

# Background

The CSS property to change the background color of an element to Hex 34D643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#34D643 }
```

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

```
.background{ background-color:#34D643 }
```

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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