

# Converting Colors

Hex(35CA77)

Have a look what the booklet for  
Hex(35CA77) contains.

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# Color

Hex(35CA77)

# Conversions

## Conversions Part 1

Format	Color
Hex	35CA77
RGB	53, 202, 119
RGB Percent	21%, 79%, 47%
CMY	0.7922, 0.2078, 0.5333
CMYK	0.74, 0.00, 0.41, 0.21
HSL	147°, 58%, 50%
HSV	147°, 74%, 79%
XYZ	25.9185, 44.3299, 24.6432
YIQ	147.9870, -62.1610, -57.4010

# Conversions

## Conversions Part 2

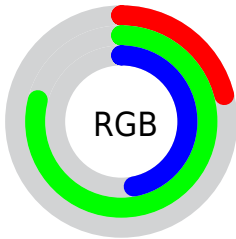
<b>Format</b>	<b>Color</b>
<b>RYB</b>	53, 156, 202
Decimal	3525239
CIELab	72.45, -57.01, 30.61
CIELCh	72, 64.708, 151.763
Yxy	44.3299, 0.2731, 0.4672
Android (android.graphics.Color)	4281715319 (0xFF35CA77)
YUV	147.9870, -14.2906, -83.3036
Hunter-Lab	66.5807, -47.0297, 24.6617

# Details

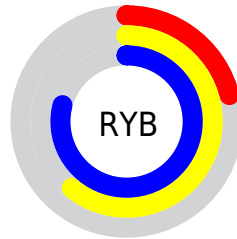
The Hex color **35CA77** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **CA3588**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **78FFAC**, and **009345** is the 20% darker color. If you saturate the color by 10%, you get **21CA6C**, and if you desaturate by 10%, it is **49CA82**.

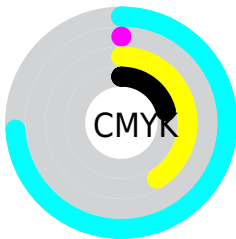
# Distribution



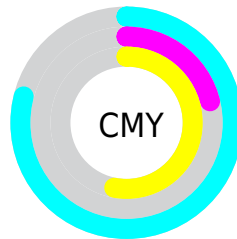
- Red (21%)
- Green (79%)
- Blue (47%)



- Red (21%)
- Yellow (61%)
- Blue (79%)



- Cyan (74%)
- Magenta (0%)
- Yellow (41%)
- Black (21%)



- Cyan (79%)
- Magenta (21%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 35CA77 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 35CA77 by changing the saturation by 10% instead.



 35CA77

 35CA77

FFFFFF

 00AE5E

 78FFAC

 009345

 96FFC8

 00782D

 B5FFE4

 005E16

 D3FFFF

 004500

 F1FFFF

 002E00

 001000

 000000

 35CA77

 35CA77

 21CA6C

 49CA82

 0DCA60

 5DCA8E

 00CA59

 72CA99

 86CAA4

 9ACAAF

 AECABB

 C2CAC6

 D7CAD1

 EBCADC

# Harmonies

## Analogous

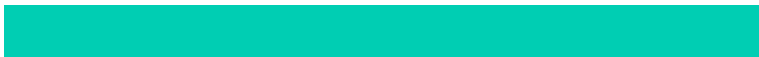
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92C046



35CA77



00CEB3

# Triad

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



35CA77



1AB7FF



FF8477

# Complementary

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



35CA77



CA3588

# 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.



FF7BB1



35CA77



B8A1FF

# Square

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



35CA77



00C6FF



FC88EB



FD9A48

# Rectangle

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



35CA77



00CEDC



FC88EB



FF7E89

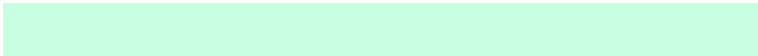


# Sweetspot

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



35CA77



C7FFE0



89CA35



5E806D



000000



808080



# Same Dimension

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



35CA77



1CFF81



35CAC0



5C6660



00A649



002611



# Inverse Universe

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



CA3588



FF1C9A



CA353F



665C61



A6005C

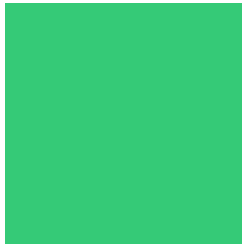


260015



# Previews

## White Background



This preview shows how the Hex color 35CA77 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 35CA77 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 35CA77 Background



This preview shows how black text looks on a background with the Hex color 35CA77.

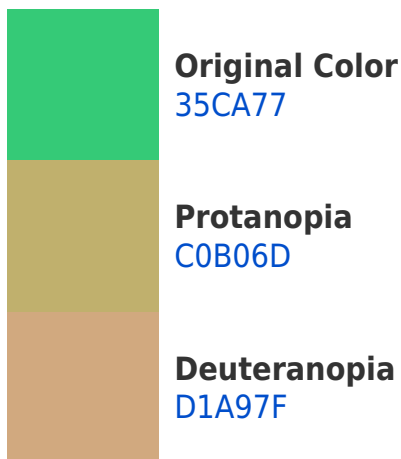


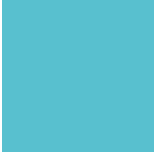
This preview shows how white text looks on a background with the Hex color 35CA77.

# 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**  
58C0CF

# Trichromacy



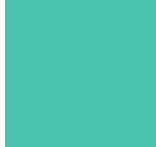
**Original Color**  
35CA77



**Protanomaly**  
8DB971



**Deuteranomaly**  
98B57C



**Tritanomaly**  
4BC4AF

# Monochromacy



**Original Color**  
35CA77



**Achromatopsia**  
949494



**Achromatomaly**  
71A889

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 35CA77 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 #35CA77 looks like.

```
.text, #text, p{  
    color:#35CA77  
}
```

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 #35CA77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #35CA77
}
```

## Border

The CSS property to change the border of an element to Hex 35CA77 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
#35CA77 }
```

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

```
.border{ border-color:#35CA77 }
```

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

Here you see how a box with a 4 pixel #35CA77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #35CA77; -webkit-box-shadow:4px 4px  
4px 4px #35CA77; box-shadow:4px 4px 4px  
4px #35CA77 }
```

# Background

The CSS property to change the background color of an element to Hex 35CA77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#35CA77 }
```

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

```
.background{ background-color:#35CA77 }
```

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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