

# Converting Colors

Hex(3DCC71)

Have a look what the booklet for  
Hex(3DCC71) contains.

<b>Hex(3DCC71)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(3DCC71)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DCC71
RGB	61, 204, 113
RGB Percent	24%, 80%, 44%
CMY	0.7608, 0.2000, 0.5569
CMYK	0.70, 0.00, 0.45, 0.20
HSL	142°, 58%, 52%
HSV	142°, 70%, 80%
XYZ	26.4980, 45.3701, 22.9835
YIQ	150.8690, -56.0170, -58.6170

# Conversions

## Conversions Part 2

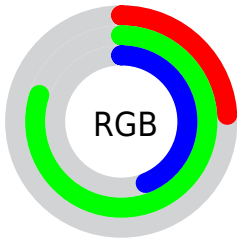
Format	Color
<a href="#">RYB</a>	<a href="#">61, 166, 204</a>
Decimal	<a href="#">4050033</a>
CIELab	<a href="#">73.13, -57.57, 34.60</a>
CIELCh	<a href="#">73, 67.165, 148.994</a>
Yxy	<a href="#">45.3701, 0.2794, 0.4783</a>
Android (android.graphics.Color)	<a href="#">4282240113 (0xFF3DCC71)</a>
YUV	<a href="#">150.8690, -18.6694, -78.8151</a>
Hunter-Lab	<a href="#">67.3573, -47.6545, 26.9193</a>

# Details

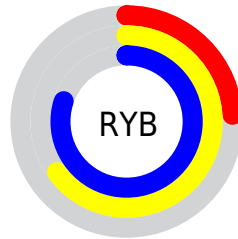
The Hex color **3DCC71** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **CC3D98**, and the grayscale version is **979797**.

A 20% lighter version of the original color is **7EFFA6**, and **00943F** is the 20% darker color. If you saturate the color by 10%, you get **29CC64**, and if you desaturate by 10%, it is **51CC7E**.

# Distribution



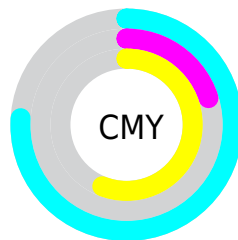
- Red (24%)
- Green (80%)
- Blue (44%)



- Red (24%)
- Yellow (65%)
- Blue (80%)



- Cyan (70%)
- Magenta (0%)
- Yellow (45%)
- Black (20%)



- Cyan (76%)
- Magenta (20%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3DCC71 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 3DCC71 by changing the saturation by 10% instead.



 3DCC71

 3DCC71

FFFFFF

 06B058

 7EFFA6

 00943F

 9CFFC1

 007A27

 BAFFDE

 00600D

 D8FFFA

 004600

 F6FFFF

 003000

 001300

 000000

 3DCC71

 3DCC71

■ 29CC64

■ 51CC7E

■ 14CC57

■ 66CC8B

■ 00CC4A

■ 7ACC98

■ 8FCCA5

■ A3CCB2

■ B7CCBF

■ CCCCCC

■ E0CCD9

■ F5CCE6

# Harmonies

## Analogous

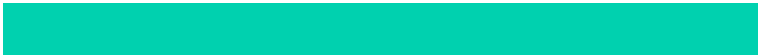
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



98C13F



3DCC71



00D1AF

# Triad

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



3DCC71



00BBFF



FF817C

# Complementary

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



3DCC71



CC3D98

# 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.



FF7AB8



3DCC71



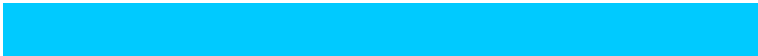
B0A4FF

# Square

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



3DCC71



00CAFF



FC8AF4



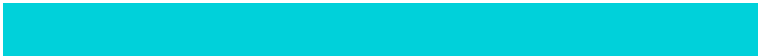
FF9849

# Rectangle

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



3DCC71



00D1DA



FC8AF4



FF7C8F

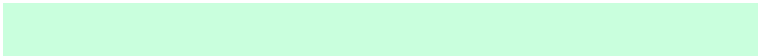


# Sweetspot

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



3DCC71



C9FFDD



9ACC3D



60806B



000000



808080



# Same Dimension

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



3DCC71



29FF77



3DCCB7



5C6660



00A63C



00260E



# Inverse Universe

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



CC3D98



FF29B1



CC3D52



665C62



A60069

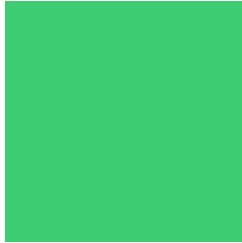


260018



# Previews

## White Background



This preview shows how the Hex color 3DCC71 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 3DCC71 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

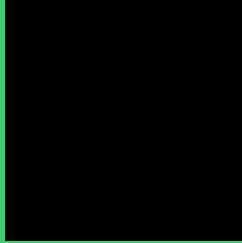
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 3DCC71 Background



This preview shows how black text looks on a background with the Hex color 3DCC71.

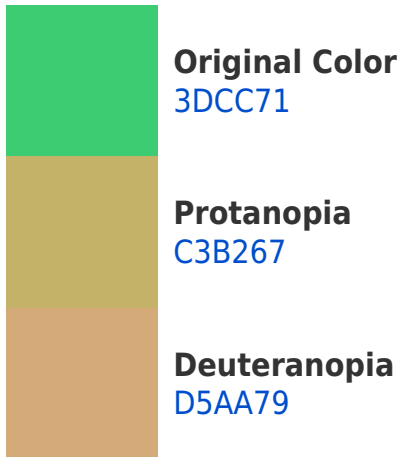


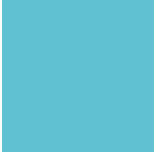
This preview shows how white text looks on a background with the Hex color 3DCC71.

# 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**  
5FC1D1

# Trichromacy



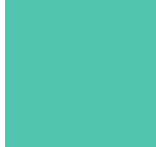
**Original Color**  
3DCC71



**Protanomaly**  
92BB6B



**Deuteranomaly**  
9EB676



**Tritanomaly**  
53C5AE

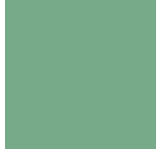
# Monochromacy



**Original Color**  
3DCC71



**Achromatopsia**  
979797



**Achromatomaly**  
76AA89

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3DCC71 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 #3DCC71 looks like.

```
.text, #text, p{  
    color:#3DCC71  
}
```

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 #3DCC71 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3DCC71  
}
```

## Border

The CSS property to change the border of an element to Hex 3DCC71 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  
#3DCC71 }
```

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

```
.border{ border-color:#3DCC71 }
```

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

Here you see how a box with a 4 pixel #3DCC71 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3DCC71; -webkit-box-shadow:4px 4px  
4px 4px #3DCC71; box-shadow:4px 4px 4px  
4px #3DCC71 }
```

# Background

The CSS property to change the background color of an element to Hex 3DCC71 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3DCC71 }
```

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

```
.background{ background-color:#3DCC71 }
```

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