

# Converting Colors

Hex(37B969)

Have a look what the booklet for  
Hex(37B969) contains.

<b>Hex(37B969)</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(37B969)**

# Conversions

## Conversions Part 1

Format	Color
Hex	37B969
RGB	55, 185, 105
RGB Percent	22%, 73%, 41%
CMY	0.7843, 0.2745, 0.5882
CMYK	0.70, 0.00, 0.43, 0.27
HSL	143°, 54%, 47%
HSV	143°, 70%, 73%
XYZ	21.4743, 36.5301, 19.2838
YIQ	137.0100, -51.8000, -52.4400

# Conversions

## Conversions Part 2

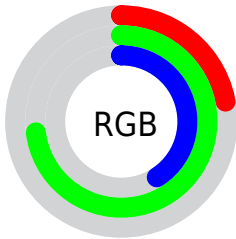
Format	Color
<a href="#">RYB</a>	<a href="#">55, 149, 185</a>
Decimal	<a href="#">3651945</a>
CIELab	<a href="#">66.92, -52.90, 30.65</a>
CIELCh	<a href="#">67, 61.137, 149.907</a>
Yxy	<a href="#">36.5301, 0.2778, 0.4726</a>
Android (android.graphics.Color)	<a href="#">4281842025</a> ( <a href="#">0xFF37B969</a> )
YUV	<a href="#">137.0100, -15.7809, -71.9228</a>
Hunter-Lab	<a href="#">60.4401, -42.3493, 23.3912</a>

# Details

The Hex color **37B969** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **B93787**, and the grayscale version is **898989**.

A 20% lighter version of the original color is **76F29D**, and **008338** is the 20% darker color. If you saturate the color by 10%, you get **25B95E**, and if you desaturate by 10%, it is **4AB974**.

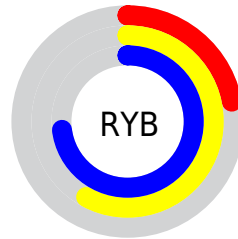
# Distribution



Red (22%)

Green (73%)

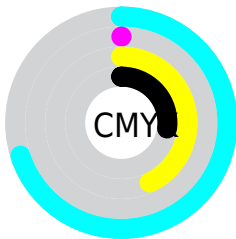
Blue (41%)



Red (22%)

Yellow (58%)

Blue (73%)

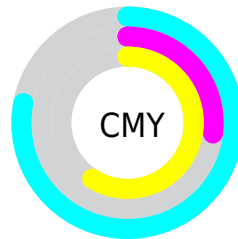


Cyan (70%)

Magenta (0%)

Yellow (43%)

Black (27%)



Cyan (78%)

Magenta (27%)

Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 37B969 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 37B969 by changing the saturation by 10% instead.



 37B969


 37B969


FFFFFF

 009D50

 76F29D

 008338

 94FFB8

 006821

 B1FFD4

 004F08

 CFFFF1

 003700

 EDFFFF

 002000

 000000

 37B969

 37B969

 25B95E

 4AB974

 12B952

 5CB980

 00B947

 6FB98B

 81B997

 94B9A2

 A6B9AD

 B9B9B9

 CBB9C4

 DDB9CF

# Harmonies

## Analogous

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



89B03C



37B969



00BDA1

# Triad

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



37B969



00A9FF



FF776F

# Complementary

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



37B969



B93787

# 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.



FF70A5



37B969



A394FF

# Square

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



37B969



00B6FF



E57DDB



EB8B43

# Rectangle

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



37B969



00BDC7



E57DDB



FF7281

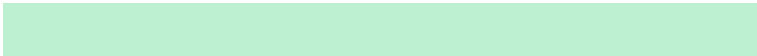


# Sweetspot

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



37B969



BDF0D1



87B937



5A7865



F7F7F7



787878



# Same Dimension

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



37B969



26F074



37B9AA



535C56



009C3C



001C0B



# Inverse Universe

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



B93787



F026A2



B93746



5C5358



9C0060



1C0011



# Previews

## White Background



This preview shows how the Hex color 37B969 looks on a white background.

## Color Contrast Check

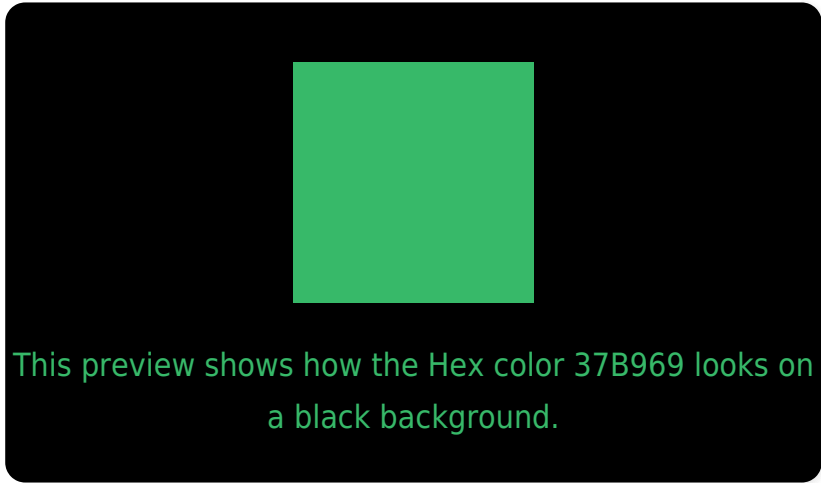
Large Text (above 18pt) WCAG AA × Fail

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

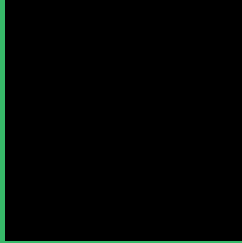
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 37B969 Background



This preview shows how black text looks on a background with the Hex color 37B969.

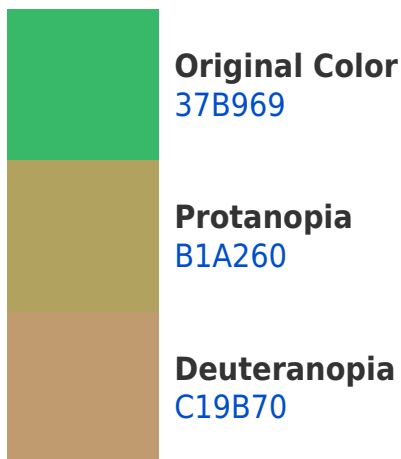


This preview shows how white text looks on a background with the Hex color 37B969.

# 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**  
55AFBD

# Trichromacy



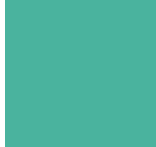
**Original Color**  
37B969



**Protanomaly**  
85AA63



**Deuteranomaly**  
8FA66D



**Tritanomaly**  
4AB39E

# Monochromacy



**Original Color**  
37B969



**Achromatopsia**  
898989



**Achromatomaly**  
6B9A7D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 37B969 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 #37B969 looks like.

```
.text, #text, p{  
    color:#37B969  
}
```

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 #37B969 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #37B969
}
```

## Border

The CSS property to change the border of an element to Hex 37B969 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
#37B969 }
```

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

```
.border{ border-color:#37B969 }
```

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

Here you see how a box with a 4 pixel #37B969 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #37B969; -webkit-box-shadow:4px 4px  
4px 4px #37B969; box-shadow:4px 4px 4px  
4px #37B969 }
```

# Background

The CSS property to change the background color of an element to Hex 37B969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#37B969 }
```

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

```
.background{ background-color:#37B969 }
```

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