

# Converting Colors

Hex(37B176)

Have a look what the booklet for  
Hex(37B176) contains.

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**Color**

**Hex(37B176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	37B176
RGB	55, 177, 118
RGB Percent	22%, 69%, 46%
CMY	0.7843, 0.3059, 0.5373
CMYK	0.69, 0.00, 0.33, 0.31
HSL	151°, 53%, 45%
HSV	151°, 69%, 69%
XYZ	20.5677, 33.5645, 22.5341
YIQ	133.7960, -53.7730, -44.2130

# Conversions

## Conversions Part 2

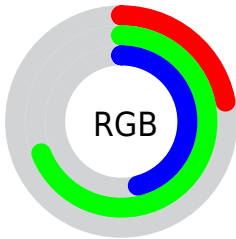
Format	Color
<a href="#">RYB</a>	<a href="#">55, 135, 177</a>
Decimal	<a href="#">3649910</a>
CIELab	<a href="#">64.62, -47.30, 20.69</a>
CIELCh	<a href="#">65, 51.625, 156.373</a>
Yxy	<a href="#">33.5645, 0.2683, 0.4378</a>
Android (android.graphics.Color)	<a href="#">4281839990 (0xFF37B176)</a>
YUV	<a href="#">133.7960, -7.7874, -69.1041</a>
Hunter-Lab	<a href="#">57.9349, -38.0160, 17.4932</a>

# Details

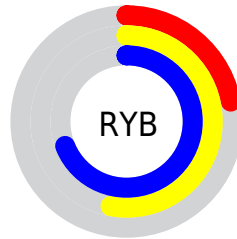
The Hex color **37B176** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **B13772**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **75EAAA**, and **007B45** is the 20% darker color. If you saturate the color by 10%, you get **25B16D**, and if you desaturate by 10%, it is **49B17F**.

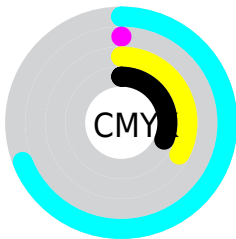
# Distribution



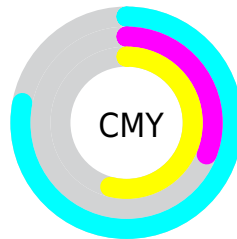
- Red (22%)
- Green (69%)
- Blue (46%)



- Red (22%)
- Yellow (53%)
- Blue (69%)



- Cyan (69%)
- Magenta (0%)
- Yellow (33%)
- Black (31%)



- Cyan (78%)
- Magenta (31%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 37B176 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 37B176 by changing the saturation by 10% instead.



 37B176

 37B176

FFFFFF

 06965D

 75EAAA

 007B45

 92FFC6

 00612E

 AFFFE2

 004918

 CCFFFF

 003100

 EAFFFF

 001900

 000000

 37B176

 37B176

 25B16D

 49B17F

■ 14B165

■ 5AB187

■ 02B15C

■ 6CB190

■ 00B15B

■ 7EB198

■ 8FB1A1

■ A1B1A9

■ B3B1B2

■ C5B1BA

■ D6B1C3

# Harmonies

## Analogous

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



7DAA4F



37B176



00B4A5

# Triad

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



37B176



5A9EF8



ED7C68

# Complementary

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



37B176



B13772

# 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.



F27495



37B176



AD8DE7

# Square

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



37B176



00ABF1



DD7BC3



D48D47

# Rectangle

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



37B176



00B3C4



DD7BC3



F17876



# Sweetspot

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



37B176



B5E6CE



74B137



567365



F2F2F2



737373



# Same Dimension

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



37B176



27E689



37B1B1



505955



00994F



001A0D



# Inverse Universe

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



B13772



E62783



B13737



595055



99004A



1A000C



# Previews

## White Background



This preview shows how the Hex color 37B176 looks on a white background.

## Color Contrast Check

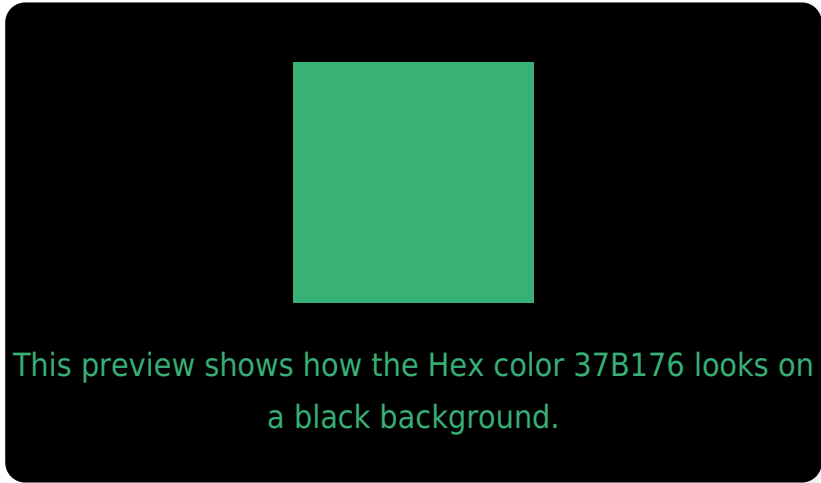
Large Text (above 18pt) WCAG AA × Fail

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

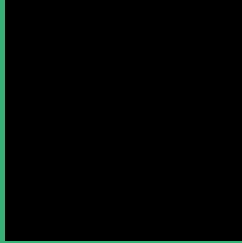
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 37B176 Background



This preview shows how black text looks on a background with the Hex color 37B176.

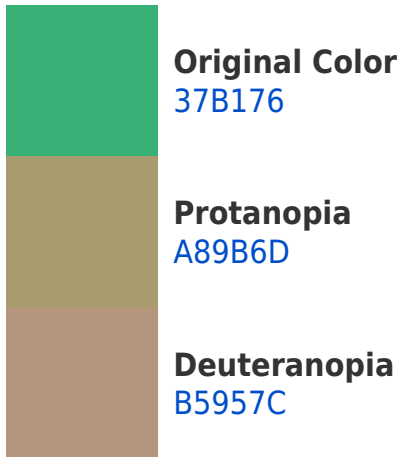


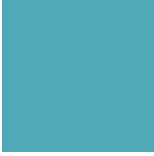
This preview shows how white text looks on a background with the Hex color 37B176.

# 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**  
50A9B7

# Trichromacy



**Original Color**  
37B176



**Protanomaly**  
7FA370



**Deuteranomaly**  
879F7A



**Tritanomaly**  
47AC9F

# Monochromacy



**Original Color**  
37B176



**Achromatopsia**  
868686



**Achromatomaly**  
699680

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 37B176 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 #37B176 looks like.

```
.text, #text, p{  
    color:#37B176  
}
```

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 #37B176 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #37B176
}
```

## Border

The CSS property to change the border of an element to Hex 37B176 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
#37B176 }
```

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

```
.border{ border-color:#37B176 }
```

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

Here you see how a box with a 4 pixel #37B176 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #37B176; -webkit-box-shadow:4px 4px  
4px 4px #37B176; box-shadow:4px 4px 4px  
4px #37B176 }
```

# Background

The CSS property to change the background color of an element to Hex 37B176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#37B176 }
```

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

```
.background{ background-color:#37B176 }
```

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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