

Converting Colors

Hex(37B77B)

Have a look what the booklet for
Hex(37B77B) contains.

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Color

Hex(37B77B)

Conversions

Conversions Part 1

Format	Color
Hex	37B77B
RGB	55, 183, 123
RGB Percent	22%, 72%, 48%
CMY	0.7843, 0.2824, 0.5176
CMYK	0.70, 0.00, 0.33, 0.28
HSL	152°, 54%, 47%
HSV	152°, 70%, 72%
XYZ	22.0842, 36.1093, 24.5447
YIQ	137.8880, -57.0280, -45.7960

Conversions

Conversions Part 2

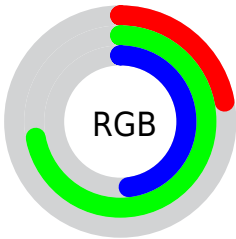
Format	Color
RYB	55, 139, 183
Decimal	3651451
CIELab	66.60, -48.66, 20.70
CIELCh	67, 52.882, 156.957
Yxy	36.1093, 0.2669, 0.4364
Android (android.graphics.Color)	4281841531 (0xFF37B77B)
YUV	137.8880, -7.3398, -72.6928
Hunter-Lab	60.0910, -39.5582, 17.8461

Details

The Hex color **37B77B** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **B73773**, and the grayscale version is **8A8A8A**.

A 20% lighter version of the original color is **76F0B0**, and **00814A** is the 20% darker color. If you saturate the color by 10%, you get **25B772**, and if you desaturate by 10%, it is **49B784**.

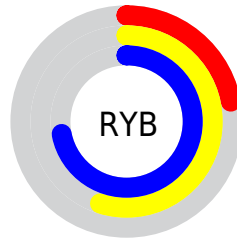
Distribution



Red (22%)

Green (72%)

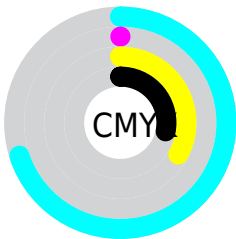
Blue (48%)



Red (22%)

Yellow (55%)

Blue (72%)

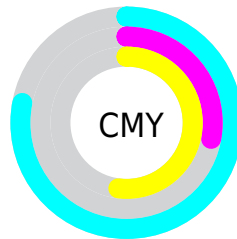


Cyan (70%)

Magenta (0%)

Yellow (33%)

Black (28%)



Cyan (78%)

Magenta (28%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Hex color 37B77B 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 37B77B by changing the saturation by 10% instead.

 37B77B

 37B77B

FFFFFF

 029C62

 76F0B0

 00814A

 93FFCB

 006733

 B0FFE8

 004E1D

 CEFFFF

 003605

 ECFFFF

 001F00

 000000

 37B77B

 37B77B

 25B772

 49B784

 12B76A

 5CB78C

 00B761

 6EB795

 80B79D

 93B7A6

 A5B7AE

 B7B7B7

 C9B7C0

 DCB7C8

Harmonies

Analogous

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



80B052



37B77B



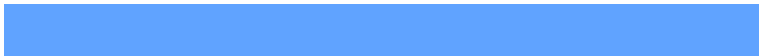
00BAAC

Triad

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



37B77B



60A3FF



F5816B

Complementary

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



37B77B



B73773

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.



FA7899



37B77B



B491EE

Square

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



37B77B



00B1F9



E57FC8



DB924A

Rectangle

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



37B77B



00B9CC



E57FC8



F97D7A

Sweetspot

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



37B77B



BBEDD6



75B737



5A786A



F7F7F7



787878

Same Dimension

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



37B77B



26ED90



37B5B7



535C57



009C53



001C0F

Inverse Universe

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



B73773



ED2683



B73937



5C5357



9C0049



1C000D

Previews

White Background



This preview shows how the Hex color 37B77B looks on a white background.

Color Contrast Check

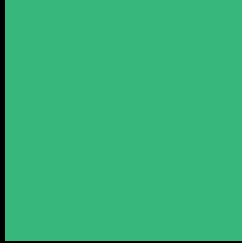
Large Text (above 18pt) WCAG AA × Fail

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 37B77B 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 37B77B Background



This preview shows how black text looks on a background with the Hex color 37B77B.



This preview shows how white text looks on a background with the Hex color 37B77B.

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](#).

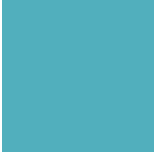
Dichromacy



Original Color
37B77B

Protanopia
ADA171

Deuteranopia
BB9A81



Tritanopia
51AFBD

Trichromacy



Original Color
37B77B



Protanomaly
82A975



Deuteranomaly
8BA57F



Tritanomaly
48B2A5

Monochromacy



Original Color
37B77B



Achromatopsia
8A8A8A



Achromatomaly
6C9A85

CSS Examples

Text

The CSS property to change the color of the text to Hex 37B77B 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 #37B77B looks like.

```
.text, #text, p{  
    color:#37B77B  
}
```

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 #37B77B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #37B77B
}
```

Border

The CSS property to change the border of an element to Hex 37B77B 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
#37B77B }
```

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

```
.border{ border-color:#37B77B }
```

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

Here you see how a box with a 4 pixel #37B77B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #37B77B; -webkit-box-shadow:4px 4px  
4px 4px #37B77B; box-shadow:4px 4px 4px  
4px #37B77B }
```

Background

The CSS property to change the background color of an element to Hex 37B77B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#37B77B }
```

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

```
.background{ background-color:#37B77B }
```

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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