

Converting Colors

Hex(40BE77)

Have a look what the booklet for
Hex(40BE77) contains.

Hex(40BE77)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(40BE77)

Conversions

Conversions Part 1

Format	Color
Hex	40BE77
RGB	64, 190, 119
RGB Percent	25%, 75%, 47%
CMY	0.7490, 0.2549, 0.5333
CMYK	0.66, 0.00, 0.37, 0.25
HSL	146°, 50%, 50%
HSV	146°, 66%, 75%
XYZ	23.8576, 39.2488, 23.7711
YIQ	144.2320, -52.3050, -48.7930

Conversions

Conversions Part 2

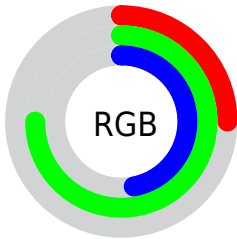
Format	Color
RYB	64, 152, 190
Decimal	4243063
CIELab	68.93, -50.68, 26.01
CIELCh	69, 56.962, 152.836
Yxy	39.2488, 0.2746, 0.4518
Android (android.graphics.Color)	4282433143 (0xFF40BE77)
YUV	144.2320, -12.4394, -70.3635
Hunter-Lab	62.6489, -41.6602, 21.3576

Details

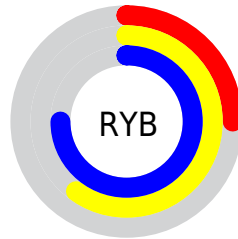
The Hex color **40BE77** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **BE4087**, and the grayscale version is **909090**.

A 20% lighter version of the original color is **7DF7AC**, and **008746** is the 20% darker color. If you saturate the color by 10%, you get **2DBE6C**, and if you desaturate by 10%, it is **53BE82**.

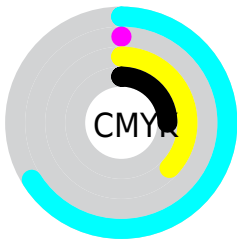
Distribution



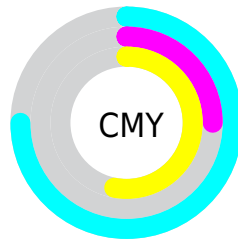
- Red (25%)
- Green (75%)
- Blue (47%)



- Red (25%)
- Yellow (60%)
- Blue (75%)



- Cyan (66%)
- Magenta (0%)
- Yellow (37%)
- Black (25%)



- Cyan (75%)
- Magenta (25%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Hex color 40BE77 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 40BE77 by changing the saturation by 10% instead.

 40BE77

 40BE77

FFFFFF

 17A25E

 7DF7AC

 008746

 9BFFC7

 006D2E

 B8FFE3

 005418

 D6FFFF

 003B00

 F4FFFF

 002500

 000000

 40BE77

 40BE77

 2DBE6C

 53BE82

 1ABE62

 66BE8C

 07BE57

 79BE97

 00BE53

 8CBEA2

 9FBEAD

 B2BEB7

 C5BEC2

 D8BECD

 EBBED7

Harmonies

Analogous

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



8BB54D



40BE77



00C2AC

Triad

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



40BE77



47ACFF



FF8273

Complementary

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



40BE77



BE4087

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.



FF7AA5



40BE77



B199FF

Square

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



40BE77



00BAFF



EB84D8



EA944C

Rectangle

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



40BE77



00C1CF



EB84D8



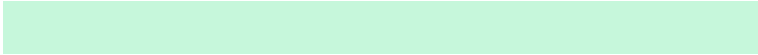
FF7D83

Sweetspot

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



40BE77



C6F7DB



87BE40



5F7D6C



FCFCFC



7D7D7D

Same Dimension

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



40BE77



31F788



40BEB6



555E59



009E45



001F0D

Inverse Universe

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



BE4087



F731A1



BE4048



5E555A



9E0059



1F0011

Previews

White Background



This preview shows how the Hex color 40BE77 looks on a white background.

Color Contrast Check

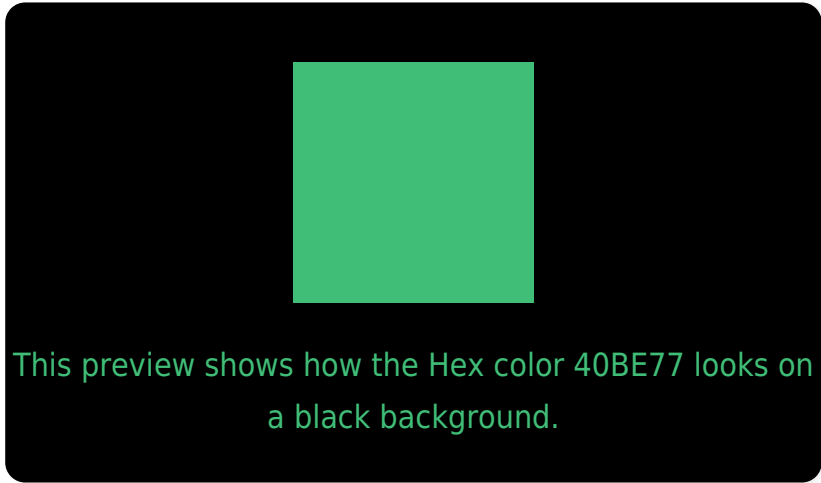
Large Text (above 18pt) WCAG AA × Fail

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

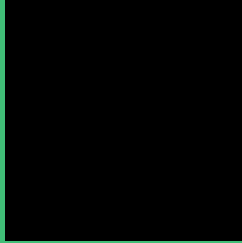
Any Text WCAG AA ✓ Pass

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 40BE77 Background



This preview shows how black text looks on a background with the Hex color 40BE77.

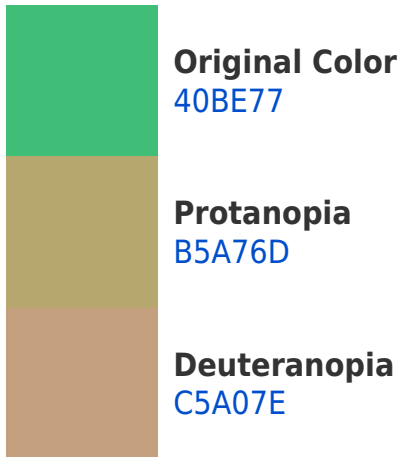


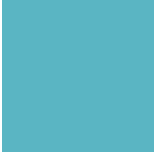
This preview shows how white text looks on a background with the Hex color 40BE77.

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
5AB5C3

Trichromacy



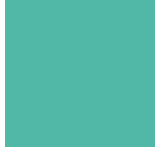
Original Color
40BE77



Protanomaly
8AAF71



Deuteranomaly
95AB7B



Tritanomaly
51B8A7

Monochromacy



Original Color
40BE77



Achromatopsia
909090



Achromatomaly
73A187

CSS Examples

Text

The CSS property to change the color of the text to Hex 40BE77 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 #40BE77 looks like.

```
.text, #text, p{  
    color:#40BE77  
}
```

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 #40BE77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40BE77
}
```

Border

The CSS property to change the border of an element to Hex 40BE77 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
#40BE77 }
```

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

```
.border{ border-color:#40BE77 }
```

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

Here you see how a box with a 4 pixel #40BE77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40BE77; -webkit-box-shadow:4px 4px  
4px 4px #40BE77; box-shadow:4px 4px 4px  
4px #40BE77 }
```

Background

The CSS property to change the background color of an element to Hex 40BE77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40BE77 }
```

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

```
.background{ background-color:#40BE77 }
```

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