

# Converting Colors

Hex(40B875)

Have a look what the booklet for  
Hex(40B875) contains.

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**Color**

**Hex(40B875)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40B875
RGB	64, 184, 117
RGB Percent	25%, 72%, 46%
CMY	0.7490, 0.2784, 0.5412
CMYK	0.65, 0.00, 0.36, 0.28
HSL	146°, 48%, 49%
HSV	146°, 65%, 72%
XYZ	22.4657, 36.6553, 22.7207
YIQ	140.4820, -50.0130, -46.2770

# Conversions

## Conversions Part 2

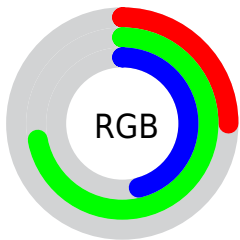
Format	Color
<a href="#">RYB</a>	<a href="#">64, 147, 184</a>
Decimal	<a href="#">4241525</a>
CIELab	<a href="#">67.02, -48.69, 24.51</a>
CIELCh	<a href="#">67, 54.508, 153.282</a>
Yxy	<a href="#">36.6553, 0.2745, 0.4479</a>
Android (android.graphics.Color)	<a href="#">4282431605 (0xFF40B875)</a>
YUV	<a href="#">140.4820, -11.5766, -67.0747</a>
Hunter-Lab	<a href="#">60.5436, -39.7160, 20.1303</a>

# Details

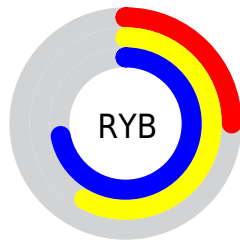
The Hex color **40B875** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **B84083**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **7CF1AA**, and **008244** is the 20% darker color. If you saturate the color by 10%, you get **2EB86B**, and if you desaturate by 10%, it is **52B87F**.

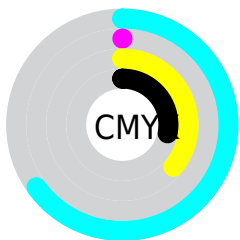
# Distribution



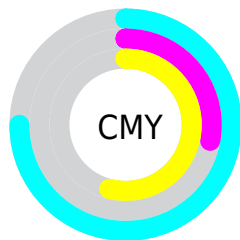
- Red (25%)
- Green (72%)
- Blue (46%)



- Red (25%)
- Yellow (58%)
- Blue (72%)



- Cyan (65%)
- Magenta (0%)
- Yellow (36%)
- Black (28%)



- Cyan (75%)
- Magenta (28%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 40B875 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 40B875 by changing the saturation by 10% instead.



 40B875

 40B875

FFFFFF

 199D5C

 7CF1AA

 008244

 99FFC5

 00682D

 B6FFE1

 004F17

 D4FFFE

 003700

 F2FFFF

 002000

 000000

 40B875

 40B875

 2EB86B

 52B87F

■ 1BB860

■ 65B88A

■ 09B856

■ 77B894

■ 00B851

■ 8AB89E

■ 9CB8A8

■ AEB8B3

■ C1B8BD

■ D3B8C7

■ E6B8D1

# Harmonies

## Analogous

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



87B04D



40B875



00BBA7

# Triad

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



40B875



4CA7FF



FA7F70

# Complementary

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



40B875



B84083

# 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.



FC78A0



40B875



AD94F5

# Square

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



40B875



00B4FA



E481D0



E1904B

# Rectangle

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



40B875



00BBC8



E481D0



FE7B7F

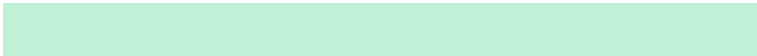


# Sweetspot

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



40B875



C0F0D5



84B840



5B7868



F7F7F7



787878



# Same Dimension

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



40B875



35F087



40B8B0



535C57



009C45



001C0C



# Inverse Universe

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



B84083



F0359D



B84048



5C5358



9C0057



1C0010



# Previews

## White Background



This preview shows how the Hex color 40B875 looks on a white background.

## Color Contrast Check

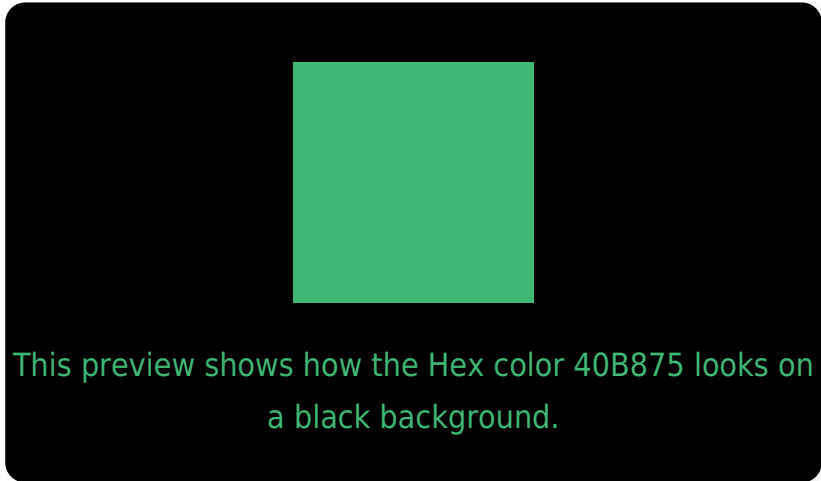
Large Text (above 18pt) WCAG AA × Fail

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

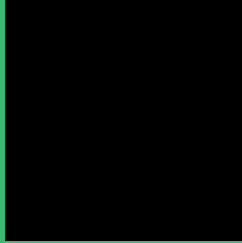
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 40B875 Background



This preview shows how black text looks on a background with the Hex color 40B875.

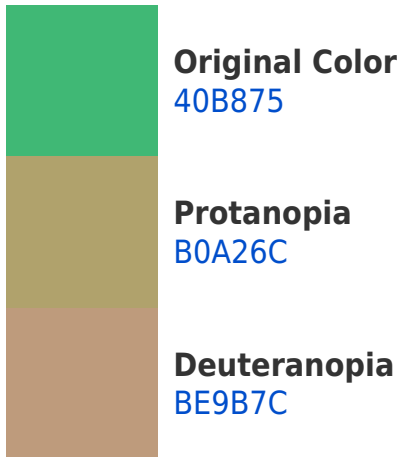


This preview shows how white text looks on a background with the Hex color 40B875.

# 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**  
59AFBD

# Trichromacy



**Original Color**  
40B875



**Protanomaly**  
87AA6F



**Deuteranomaly**  
90A679



**Tritanomaly**  
50B2A3

# Monochromacy



**Original Color**  
40B875



**Achromatopsia**  
8C8C8C



**Achromatomaly**  
709C84

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40B875 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 #40B875 looks like.

```
.text, #text, p{  
    color:#40B875  
}
```

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 #40B875 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40B875
}
```

## Border

The CSS property to change the border of an element to Hex 40B875 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
#40B875 }
```

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

```
.border{ border-color:#40B875 }
```

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

Here you see how a box with a 4 pixel #40B875 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40B875; -webkit-box-shadow:4px 4px  
4px 4px #40B875; box-shadow:4px 4px 4px  
4px #40B875 }
```

# Background

The CSS property to change the background color of an element to Hex 40B875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40B875 }
```

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

```
.background{ background-color:#40B875 }
```

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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