

# Converting Colors

Hex(40B8A5)

Have a look what the booklet for  
Hex(40B8A5) contains.

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**Color**

**Hex(40B8A5)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40B8A5
RGB	64, 184, 165
RGB Percent	25%, 72%, 65%
CMY	0.7490, 0.2784, 0.3529
CMYK	0.65, 0.00, 0.10, 0.28
HSL	170°, 48%, 49%
HSV	170°, 65%, 72%
XYZ	26.0464, 38.0876, 41.5762
YIQ	145.9540, -65.4210, -31.3490

# Conversions

## Conversions Part 2

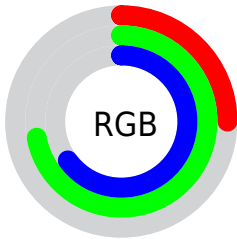
Format	Color
<a href="#">RYB</a>	<a href="#">64, 129, 184</a>
Decimal	<a href="#">4241573</a>
CIELab	<a href="#">68.09, -37.67, -0.12</a>
CIElCh	<a href="#">68, 37.668, 180.186</a>
Yxy	<a href="#">38.0876, 0.2464, 0.3603</a>
Android (android.graphics.Color)	<a href="#">4282431653</a> ( <a href="#">0xFF40B8A5</a> )
YUV	<a href="#">145.9540, 9.3897, -71.8737</a>
Hunter-Lab	<a href="#">61.7151, -32.6670, 3.2582</a>

# Details

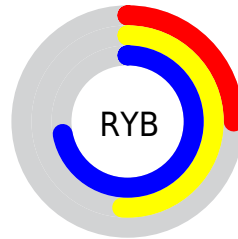
The Hex color **40B8A5** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **B84053**, and the grayscale version is **929292**.

A 20% lighter version of the original color is **7EF1DC**, and **008271** is the 20% darker color. If you saturate the color by 10%, you get **2EB8A2**, and if you desaturate by 10%, it is **52B8A8**.

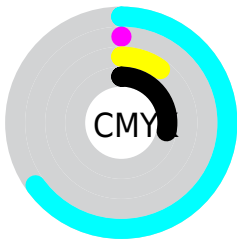
# Distribution



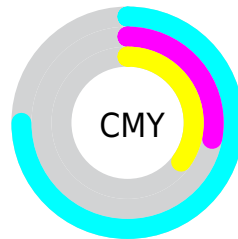
- Red (25%)
- Green (72%)
- Blue (65%)



- Red (25%)
- Yellow (51%)
- Blue (72%)



- Cyan (65%)
- Magenta (0%)
- Yellow (10%)
- Black (28%)



- Cyan (75%)
- Magenta (28%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 40B8A5 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 40B8A5 by changing the saturation by 10% instead.



 40B8A5

 40B8A5


FFFFFF

 179D8B

 7EF1DC

 008271

 9BFFF8

 006859

 B8FFFF

 005042

 D6FFFF

 00382C

 F4FFFF

 002317

 000000

 40B8A5

 40B8A5

 2EB8A2

 52B8A8

1BB89F

65B8AB

09B89C

77B8AE

00B89B

8AB8B1

9CB8B4

AEB8B6

C1B8B9

D3B8BC

E6B8BF

# Harmonies

## Analogous

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



70B583



40B8A5



01B7C7

# Triad

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



40B8A5



AA9DE1



D7986C

# Complementary

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



40B8A5



B84053

# 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.



E78E85



40B8A5



D191C8

# Square

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



40B8A5



74A9EA



E58BA7



BCA461

# Rectangle

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



40B8A5



1CB4D9



E58BA7



DE9473



# Sweetspot

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



40B8A5



C0F0E8



54B840



5B7873



F7F7F7



787878



# Same Dimension

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



40B8A5



35F0D2



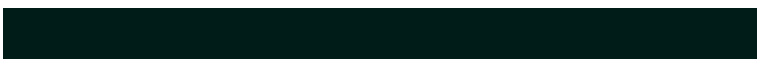
4090B8



535C5A



009C83



001C18



# Inverse Universe

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



B84053



F03552



B86840



5C5354



9C0019

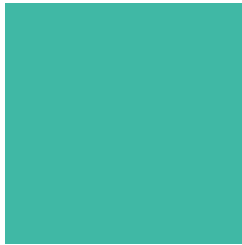


1C0004



# Previews

## White Background



This preview shows how the Hex color 40B8A5 looks on a white background.

## Color Contrast Check

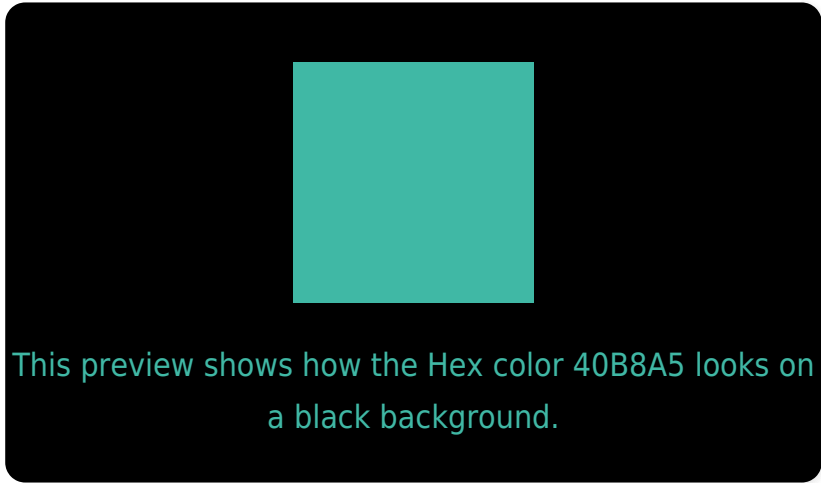
Large Text (above 18pt) WCAG AA × Fail

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

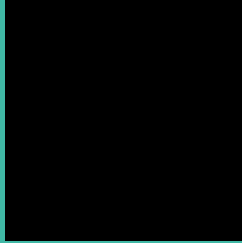
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

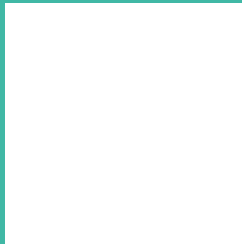
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 40B8A5 Background



This preview shows how black text looks on a background with the Hex color 40B8A5.

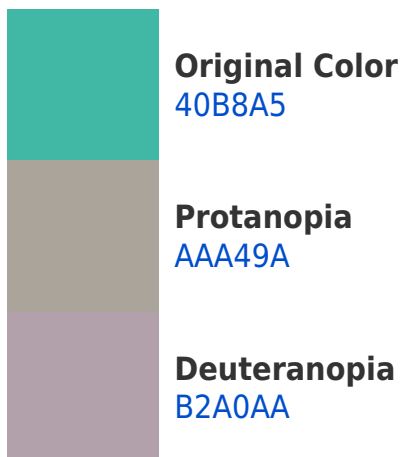


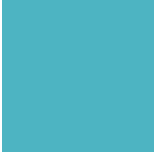
This preview shows how white text looks on a background with the Hex color 40B8A5.

# 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**  
4DB4C2

# Trichromacy



**Original Color**  
40B8A5



**Protanomaly**  
83AB9E



**Deuteranomaly**  
89A9A8



**Tritanomaly**  
48B5B7

# Monochromacy



**Original Color**  
40B8A5



**Achromatopsia**  
929292



**Achromatomaly**  
74A099

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40B8A5 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 #40B8A5 looks like.

```
.text, #text, p{  
    color:#40B8A5  
}
```

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 #40B8A5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40B8A5  
}
```

## Border

The CSS property to change the border of an element to Hex 40B8A5 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  
#40B8A5 }
```

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

```
.border{ border-color:#40B8A5 }
```

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

Here you see how a box with a 4 pixel #40B8A5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40B8A5; -webkit-box-shadow:4px 4px  
4px 4px #40B8A5; box-shadow:4px 4px 4px  
4px #40B8A5 }
```

# Background

The CSS property to change the background color of an element to Hex 40B8A5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40B8A5 }
```

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

```
.background{ background-color:#40B8A5 }
```

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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