

# Converting Colors

Hex(3ABC80)

Have a look what the booklet for  
Hex(3ABC80) contains.

<b>Hex(3ABC80)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(3ABC80)

# Conversions

## Conversions Part 1

Format	Color
Hex	3ABC80
RGB	58, 188, 128
RGB Percent	23%, 74%, 50%
CMY	0.7725, 0.2627, 0.4980
CMYK	0.69, 0.00, 0.32, 0.26
HSL	152°, 53%, 48%
HSV	152°, 69%, 74%
XYZ	23.6244, 38.4245, 26.5936
YIQ	142.2900, -58.2200, -46.2200

# Conversions

## Conversions Part 2

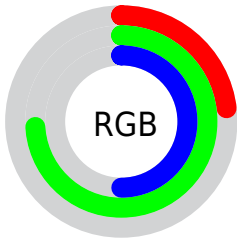
Format	Color
<a href="#">RYB</a>	<a href="#">58, 143, 188</a>
Decimal	<a href="#">3849344</a>
CIELab	<a href="#">68.33, -49.13, 20.38</a>
CIELCh	<a href="#">68, 53.190, 157.467</a>
Yxy	<a href="#">38.4245, 0.2665, 0.4335</a>
Android (android.graphics.Color)	<a href="#">4282039424 (0xFF3ABC80)</a>
YUV	<a href="#">142.2900, -7.0450, -73.9223</a>
Hunter-Lab	<a href="#">61.9875, -40.4489, 17.9549</a>

# Details

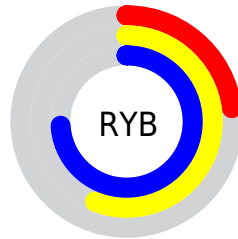
The Hex color **3ABC80** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **BC3A76**, and the grayscale version is **8E8E8E**.

A 20% lighter version of the original color is **79F5B5**, and **00864E** is the 20% darker color. If you saturate the color by 10%, you get **27BC77**, and if you desaturate by 10%, it is **4DBC89**.

# Distribution



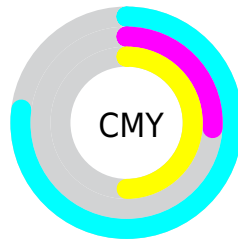
- Red (23%)
- Green (74%)
- Blue (50%)



- Red (23%)
- Yellow (56%)
- Blue (74%)



- Cyan (69%)
- Magenta (0%)
- Yellow (32%)
- Black (26%)



- Cyan (77%)
- Magenta (26%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3ABC80 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 3ABC80 by changing the saturation by 10% instead.



 3ABC80

 3ABC80

FFFFFF

 08A067

 79F5B5

 00864E

 96FFD1

 006B37

 B4FFED

 005221

 D1FFFF

 003A0B

 EFFFFFFF

 002400

 000000

 3ABC80

 3ABC80

 27BC77

 4DBC89

 14BC6F

 60BC91

 02BC66

 72BC9A

 00BC65

 85BCA3

 98BCAB

 ABBCB4

 BEBCBD

 D0BCC5

 E3BCCE

# Harmonies

## Analogous

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



84B557



3ABC80



00BFB2

# Triad

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



3ABC80



66A8FF



FA866F

# Complementary

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



3ABC80



BC3A76

# 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.



FF7D9C



3ABC80



BA95F3

# Square

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



3ABC80



00B5FF



EB84CC



E0974D

# Rectangle

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



3ABC80



00BED1



EB84CC



FF817D

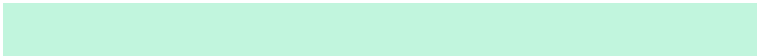


# Sweetspot

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



3ABC80



C1F5DD



77BC3A



5C7A6C



FAFAFA



7A7A7A



# Same Dimension

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



3ABC80



2AF597



3AB8BC



555E5A



009E55



001F10



# Inverse Universe

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



BC3A76



F52A87



BC3E3A



5E5559



9E0049



1F000E



# Previews

## White Background



This preview shows how the Hex color 3ABC80 looks on a white background.

## Color Contrast Check

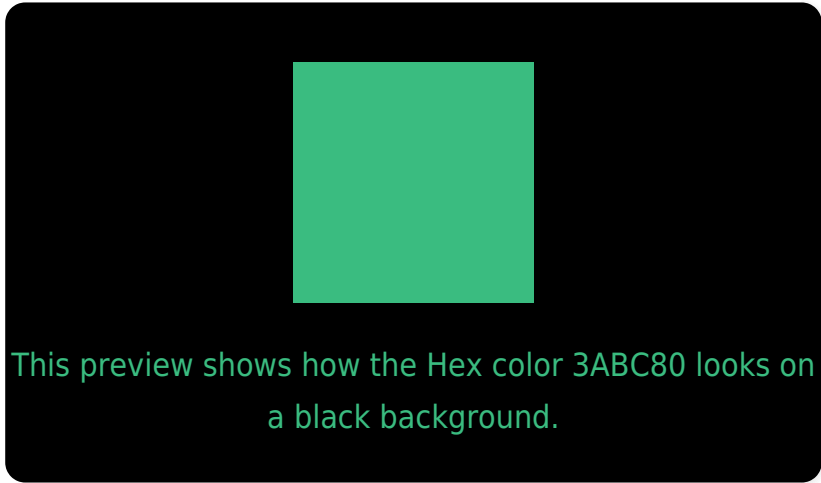
Large Text (above 18pt) WCAG AA × Fail

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 3ABC80 Background



This preview shows how black text looks on a background with the Hex color 3ABC80.

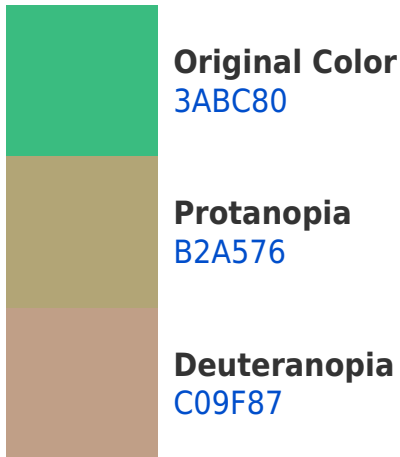


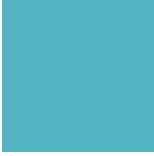
This preview shows how white text looks on a background with the Hex color 3ABC80.

# 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](#).

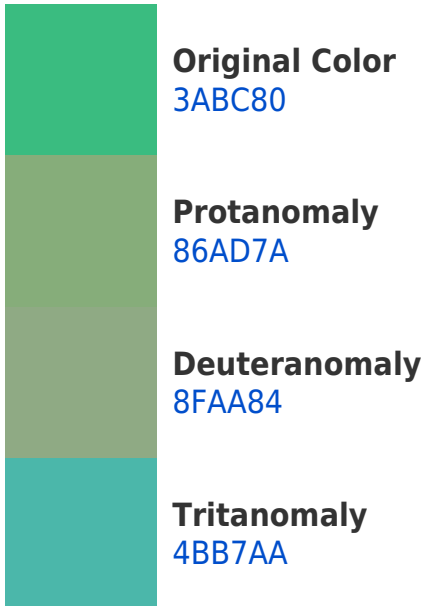
## Dichromacy





**Tritanopia**  
54B4C2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3ABC80 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 #3ABC80 looks like.

```
.text, #text, p{  
    color:#3ABC80  
}
```

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 #3ABC80 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3ABC80
}
```

## Border

The CSS property to change the border of an element to Hex 3ABC80 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
#3ABC80 }
```

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

```
.border{ border-color:#3ABC80 }
```

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

Here you see how a box with a 4 pixel #3ABC80 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3ABC80; -webkit-box-shadow:4px 4px  
4px 4px #3ABC80; box-shadow:4px 4px 4px  
4px #3ABC80 }
```

# Background

The CSS property to change the background color of an element to Hex 3ABC80 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3ABC80 }
```

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

```
.background{ background-color:#3ABC80 }
```

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