

# Converting Colors

Hex(2ABE80)

Have a look what the booklet for  
Hex(2ABE80) contains.

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**Color**

**Hex(2ABE80)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2ABE80
RGB	42, 190, 128
RGB Percent	16%, 75%, 50%
CMY	0.8353, 0.2549, 0.4980
CMYK	0.78, 0.00, 0.33, 0.25
HSL	155°, 64%, 45%
HSV	155°, 78%, 75%
XYZ	23.2646, 38.8777, 26.7000
YIQ	138.6800, -68.3060, -50.6580

# Conversions

## Conversions Part 2

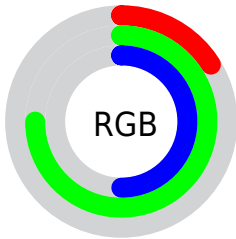
<b>Format</b>	<b>Color</b>
<b>RYB</b>	42, 136, 190
Decimal	2801280
CIELab	68.66, -52.16, 20.79
CIELCh	69, 56.146, 158.271
Yxy	38.8777, 0.2619, 0.4376
Android (android.graphics.Color)	4280991360 (0xFF2ABE80)
YUV	138.6800, -5.2652, -84.7884
Hunter-Lab	62.3520, -42.5145, 18.2575

# Details

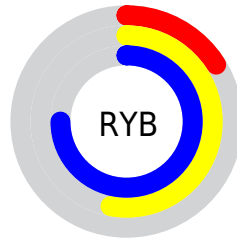
The Hex color **2ABE80** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **BE2A68**, and the grayscale version is **8B8B8B**.

A 20% lighter version of the original color is **6FF7B5**, and **00874E** is the 20% darker color. If you saturate the color by 10%, you get **17BE78**, and if you desaturate by 10%, it is **3DBE88**.

# Distribution



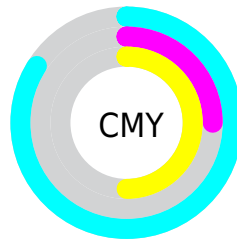
- Red (16%)
- Green (75%)
- Blue (50%)



- Red (16%)
- Yellow (53%)
- Blue (75%)



- Cyan (78%)
- Magenta (0%)
- Yellow (33%)
- Black (25%)



- Cyan (84%)
- Magenta (25%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2ABE80 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 2ABE80 by changing the saturation by 10% instead.



 2ABE80

 2ABE80

FFFFFF

 00A267

 6FF7B5

 00874E

 8EFFD1

 006D37

 ABFFED

 005421

 C9FFFF

 003B0B

 E8FFFF

 002400

 000000

 2ABE80

 2ABE80

 17BE78

 3DBE88

■ 04BE70

■ 50BE90

■ 00BE6E

■ 63BE98

■ 76BEA0

■ 89BEA8

■ 9CBEB0

■ AFBEB8

■ C2BEC0

■ D5BEC8

# Harmonies

## Analogous

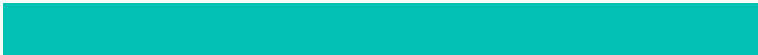
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80B654



2ABE80



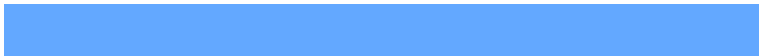
00C1B4

# Triad

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



2ABE80



63A8FF



FE856B

# Complementary

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



2ABE80



BE2A68

# 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.



FF7B9B



2ABE80



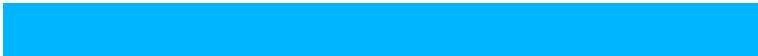
BD94F8

# Square

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



2ABE80



00B7FF



F081CE



E29747

# Rectangle

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



2ABE80



00C0D6



F081CE



FF807A

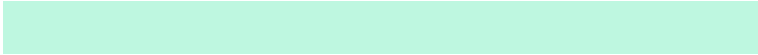


# Sweetspot

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



2ABE80



BEF7E0



6ABE2A



5A7D6E



FCFCFC



7D7D7D



# Same Dimension

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



2ABE80



11F797



2AB4BE



555E5A



009E5C



001F12



# Inverse Universe

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



BE2A68



F71172



BE342A



5E5559



9E0042

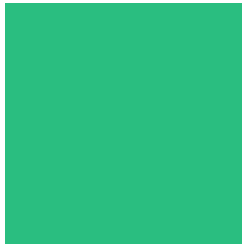


1F000D



# Previews

## White Background



This preview shows how the Hex color 2ABE80 looks on a white background.

## Color Contrast Check

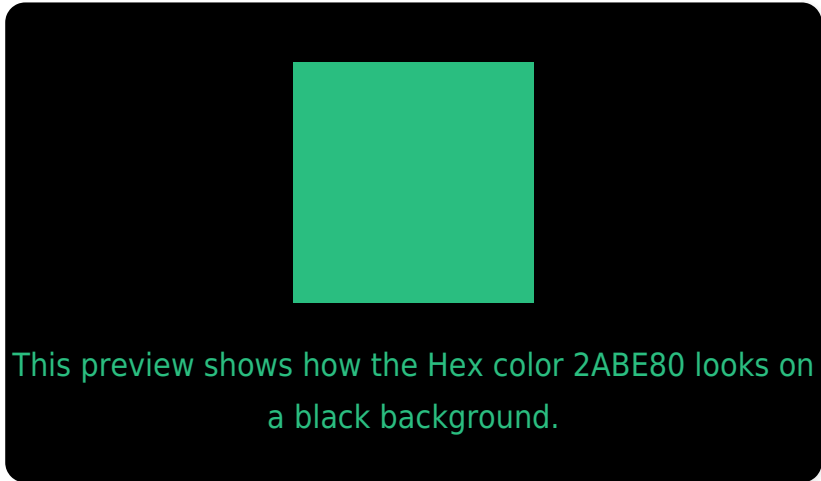
Large Text (above 18pt) WCAG AA × Fail

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

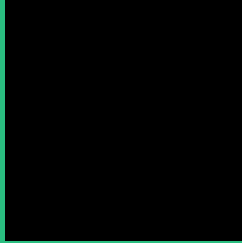
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 2ABE80 Background



This preview shows how black text looks on a background with the Hex color 2ABE80.



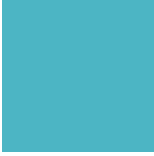
This preview shows how white text looks on a background with the Hex color 2ABE80.

# 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**  
4CB5C4

# Trichromacy



**Original Color**  
2ABE80



**Protanomaly**  
81AF79



**Deuteranomaly**  
8AAB84



**Tritanomaly**  
40B8AB

# Monochromacy



**Original Color**  
2ABE80



**Achromatopsia**  
8B8B8B



**Achromatomaly**  
689E87

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2ABE80 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 #2ABE80 looks like.

```
.text, #text, p{  
    color:#2ABE80  
}
```

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 #2ABE80 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2ABE80
}
```

## Border

The CSS property to change the border of an element to Hex 2ABE80 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
#2ABE80 }
```

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

```
.border{ border-color:#2ABE80 }
```

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

Here you see how a box with a 4 pixel #2ABE80 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2ABE80; -webkit-box-shadow:4px 4px  
4px 4px #2ABE80; box-shadow:4px 4px 4px  
4px #2ABE80 }
```

# Background

The CSS property to change the background color of an element to Hex 2ABE80 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2ABE80 }
```

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

```
.background{ background-color:#2ABE80 }
```

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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