

Converting Colors

Hex(2AB777)

Have a look what the booklet for
Hex(2AB777) contains.

Hex(2AB777)	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(2AB777)

Conversions

Conversions Part 1

Format	Color
Hex	2AB777
RGB	42, 183, 119
RGB Percent	16%, 72%, 47%
CMY	0.8353, 0.2824, 0.5333
CMYK	0.77, 0.00, 0.35, 0.28
HSL	153°, 63%, 44%
HSV	153°, 77%, 72%
XYZ	21.2181, 35.6911, 23.2235
YIQ	133.5450, -63.4920, -49.7960

Conversions

Conversions Part 2

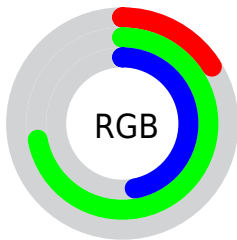
Format	Color
RYB	42, 133, 183
Decimal	2799479
CIELab	66.28, -51.35, 22.37
CIElCh	66, 56.016, 156.461
Yxy	35.6911, 0.2648, 0.4454
Android (android.graphics.Color)	4280989559 (0xFF2AB777)
YUV	133.5450, -7.1707, -80.2850
Hunter-Lab	59.7420, -41.1522, 18.7716

Details

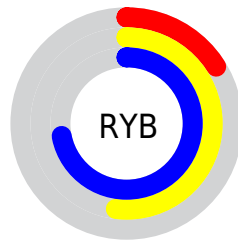
The Hex color **2AB777** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **B72A6A**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **6EF0AC**, and **008146** is the 20% darker color. If you saturate the color by 10%, you get **18B76F**, and if you desaturate by 10%, it is **3CB77F**.

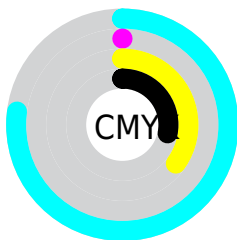
Distribution



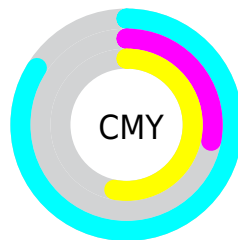
- Red (16%)
- Green (72%)
- Blue (47%)



- Red (16%)
- Yellow (52%)
- Blue (72%)



- Cyan (77%)
- Magenta (0%)
- Yellow (35%)
- Black (28%)



- Cyan (84%)
- Magenta (28%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2AB777 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 2AB777 by changing the saturation by 10% instead.

 2AB777

 2AB777

FFFFFF

 009B5E

 6EF0AC

 008146

 8CFFC7

 00672F

 A9FFE3

 004D19

 C7FFFF

 003500

 E5FFFF

 001E00

 000000

 2AB777

 2AB777

 18B76F

 3CB77F

■ 05B766

■ 4FB788

■ 00B764

■ 61B790

■ 73B798

■ 86B7A1

■ 98B7A9

■ AAB7B1

■ BCB7B9

■ CFB7C2

Harmonies

Analogous

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



7EAF4C



2AB777



00BAAB

Triad

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



2AB777



53A3FF



F87D68

Complementary

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



2AB777



B72A6A

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.



FD7498



2AB777



B28FF2

Square

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



2AB777



00B1FD



E77CCA



DD9043

Rectangle

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



2AB777



00B9CC



E77CCA



FC7977

Sweetspot

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



2AB777



B7EDD4



6CB72A



567869



F7F7F7



787878

Same Dimension

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



2AB777



13ED8A



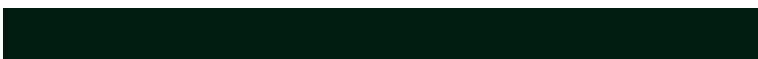
2AB2B7



535C58



009C55



001C0F

Inverse Universe

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



B72A6A



ED1376



B72F2A



5C5357



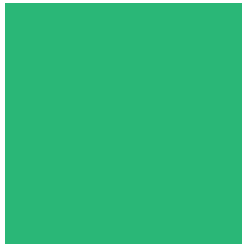
9C0047



1C000D

Previews

White Background



This preview shows how the Hex color 2AB777 looks on a white background.

Color Contrast Check

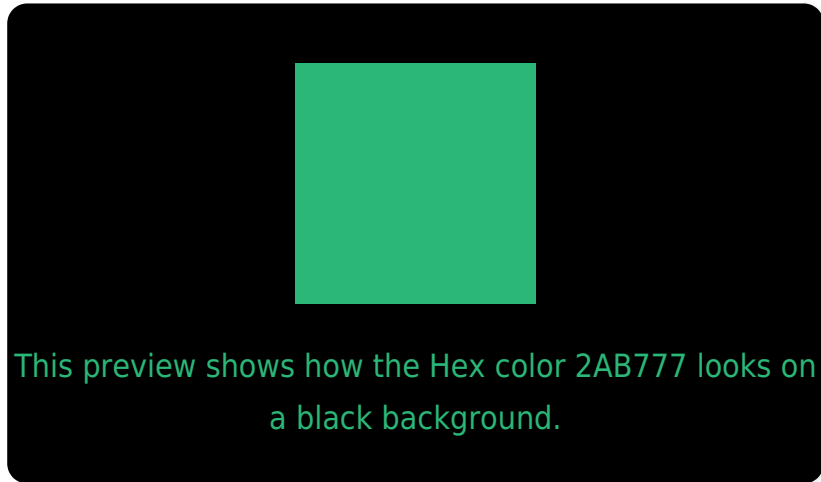
Large Text (above 18pt) WCAG AA × Fail

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 2AB777 Background



This preview shows how black text looks on a background with the Hex color 2AB777.



This preview shows how white text looks on a background with the Hex color 2AB777.

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
4BAEBD

Trichromacy



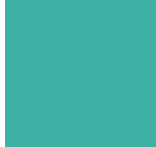
Original Color
2AB777



Protanomaly
7DA871



Deuteranomaly
86A47B



Tritanomaly
3FB1A4

Monochromacy



Original Color
2AB777



Achromatopsia
868686



Achromatomaly
659881

CSS Examples

Text

The CSS property to change the color of the text to Hex 2AB777 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 #2AB777 looks like.

```
.text, #text, p{  
  color:#2AB777  
}
```

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 #2AB777 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2AB777  
}
```

Border

The CSS property to change the border of an element to Hex 2AB777 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  
#2AB777 }
```

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

```
.border{ border-color:#2AB777 }
```

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

Here you see how a box with a 4 pixel #2AB777 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2AB777; -webkit-box-shadow:4px 4px  
4px 4px #2AB777; box-shadow:4px 4px 4px  
4px #2AB777 }
```

Background

The CSS property to change the background color of an element to Hex 2AB777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2AB777 }
```

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

```
.background{ background-color:#2AB777 }
```

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