

# Converting Colors

Hex(2FBB7B)

Have a look what the booklet for  
Hex(2FBB7B) contains.

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# Color

Hex(2FBB7B)

# Conversions

## Conversions Part 1

Format	Color
Hex	2FBB7B
RGB	47, 187, 123
RGB Percent	18%, 73%, 48%
CMY	0.8157, 0.2667, 0.5176
CMYK	0.75, 0.00, 0.34, 0.27
HSL	153°, 60%, 46%
HSV	153°, 75%, 73%
XYZ	22.5178, 37.5750, 24.8048
YIQ	137.8440, -62.8960, -49.5840

# Conversions

## Conversions Part 2

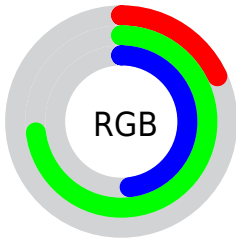
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 138, 187
Decimal	3128187
CIELab	67.71, -51.42, 22.17
CIELCh	68, 55.995, 156.673
Yxy	37.5750, 0.2652, 0.4426
Android (android.graphics.Color)	4281318267 (0xFF2FBB7B)
YUV	137.8440, -7.3181, -79.6702
Hunter-Lab	61.2985, -41.7011, 18.9169

# Details

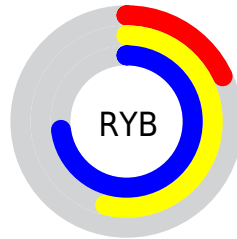
The Hex color **2FBB7B** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **BB2F6F**, and the grayscale version is **8A8A8A**.

A 20% lighter version of the original color is **71F4B0**, and **00844A** is the 20% darker color. If you saturate the color by 10%, you get **1CBB72**, and if you desaturate by 10%, it is **42BB84**.

# Distribution



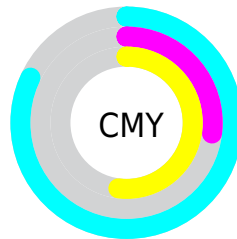
- Red (18%)
- Green (73%)
- Blue (48%)



- Red (18%)
- Yellow (54%)
- Blue (73%)



- Cyan (75%)
- Magenta (0%)
- Yellow (34%)
- Black (27%)



- Cyan (82%)
- Magenta (27%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2FBB7B 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 2FBB7B by changing the saturation by 10% instead.





2FBB7B



2FBB7B

FFFFFF



009F62



71F4B0



00844A



8FFFCB



006A32



ADFFE8



00511C



CBFFFF



003905



E9FFFF



002200



000000



2FBB7B



2FBB7B



1CBB72



42BB84

■ 0ABB6A

■ 54BB8C

■ 00BB66

■ 67BB95

■ 7ABB9D

■ 8DBBA6

■ 9FBBAE

■ B2BBB7

■ C5BBBF

■ D7BBC8

# Harmonies

## Analogous

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



81B350



2FBB7B



00BEAF

# Triad

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



2FBB7B



5AA7FF



FC816B

# Complementary

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



2FBB7B



BB2F6F

# 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.



FF789C



2FBB7B



B793F6

# Square

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



2FBB7B



00B5FF



EC80CE



E19447

# Rectangle

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



2FBB7B



00BDD1



EC80CE



FF7D7A

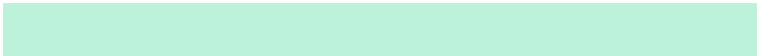


# Sweetspot

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



2FBB7B



BDF2DA



70BB2F



5B7A6C



FAFAFA



7A7A7A



# Same Dimension

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



2FBB7B



18F28F



2FB6BB



555E5A



009E56



001F11



# Inverse Universe

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



BB2F6F



F2187C



BB342F



5E5559



9E0048



1F000E



# Previews

## White Background



This preview shows how the Hex color 2FBB7B looks on a white background.

## Color Contrast Check

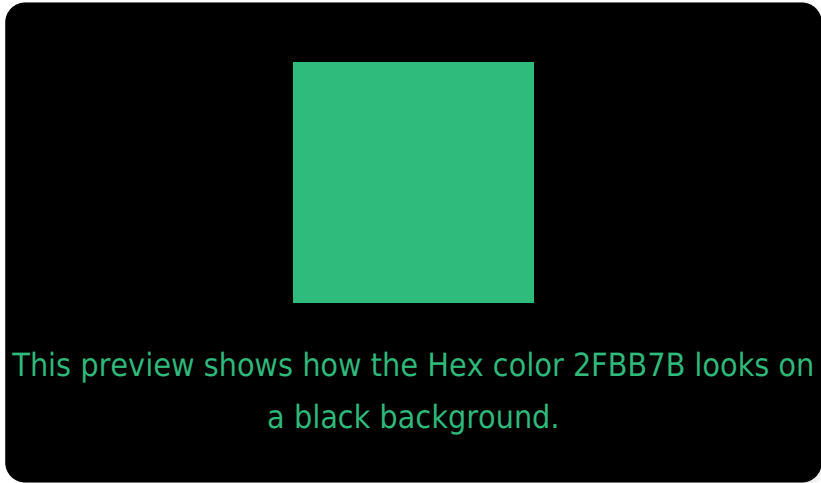
Large Text (above 18pt) WCAG AA × Fail

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

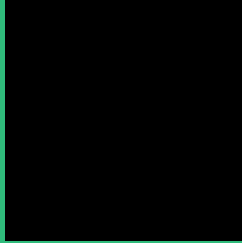
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 2FBB7B Background



This preview shows how black text looks on a background with the Hex color 2FBB7B.



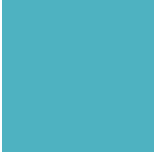
This preview shows how white text looks on a background with the Hex color 2FBB7B.

# 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](#).

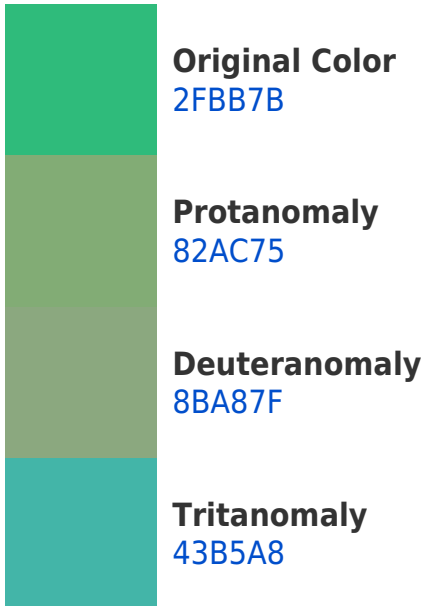
## Dichromacy



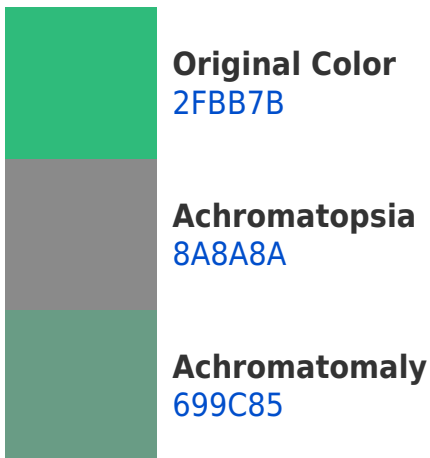


**Tritanopia**  
4EB2C1

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2FBB7B 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 #2FBB7B looks like.

```
.text, #text, p{  
    color:#2FBB7B  
}
```

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 #2FBB7B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2FBB7B
}
```

## Border

The CSS property to change the border of an element to Hex 2FBB7B 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
#2FBB7B }
```

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

```
.border{ border-color:#2FBB7B }
```

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

Here you see how a box with a 4 pixel #2FBB7B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2FBB7B; -webkit-box-shadow:4px 4px  
4px 4px #2FBB7B; box-shadow:4px 4px 4px  
4px #2FBB7B }
```

# Background

The CSS property to change the background color of an element to Hex 2FBB7B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2FBB7B }
```

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

```
.background{ background-color:#2FBB7B }
```

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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