

# Converting Colors

Hex(7BF187)

Have a look what the booklet for  
Hex(7BF187) contains.

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# Color

**Hex(7BF187)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BF187
RGB	123, 241, 135
RGB Percent	48%, 95%, 53%
CMY	0.5176, 0.0549, 0.4706
CMYK	0.49, 0.00, 0.44, 0.05
HSL	126°, 81%, 71%
HSV	126°, 49%, 95%
XYZ	43.9968, 68.8708, 33.8962
YIQ	193.6340, -36.3020, -57.9820

# Conversions

## Conversions Part 2

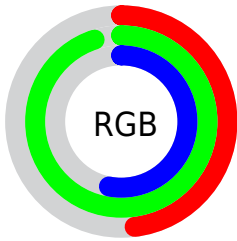
Format	Color
<b>RYB</b>	123, 230, 241
Decimal	8122759
CIELab	86.44, -54.77, 41.07
CIELCh	86, 68.461, 143.134
Yxy	68.8708, 0.2998, 0.4693
Android (android.graphics.Color)	4286312839 (0xFF7BF187)
YUV	193.6340, -28.9066, -61.9460
Hunter-Lab	82.9884, -50.5969, 33.8752

# Details

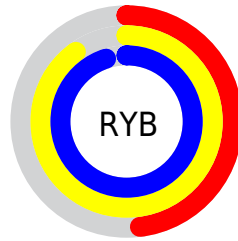
The Hex color **7BF187** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **F17BE5**, and the grayscale version is **C2C2C2**.

A 20% lighter version of the original color is **B6FFBE**, and **3DB853** is the 20% darker color. If you saturate the color by 10%, you get **63F171**, and if you desaturate by 10%, it is **93F19D**.

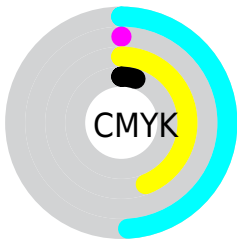
# Distribution



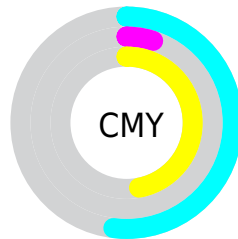
- Red (48%)
- Green (95%)
- Blue (53%)



- Red (48%)
- Yellow (90%)
- Blue (95%)



- Cyan (49%)
- Magenta (0%)
- Yellow (44%)
- Black (5%)



- Cyan (52%)
- Magenta (5%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7BF187 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 7BF187 by changing the saturation by 10% instead.



 7BF187

 7BF187

FFFFFF

 5DD46D

 B6FFBE

 3DB853

 D3FFDA

 129C3A

 F1FFF7

 008220

 006702

 004E00

 003600

 001F00

 000000

 7BF187

 7BF187

 63F171

 93F19D

 4BF15C

 ABF1B2

 33F146

 C3F1C8

 1BF130

 DBF1DE

 03F11B

 F3F1F3

 00F119

 FFF1FF

# Harmonies

## Analogous

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



CBE459



7BF187



00F8C7

# Triad

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



7BF187



00E4FF



FFA3A9

# Complementary

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



7BF187



F17BE5

# 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.



FFA0EA



7BF187



C2CDFF

# Square

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



7BF187



00F2FF



FFB3FF



FFB772

# Rectangle

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



7BF187



00F9F4



FFB3FF



FF9FBE

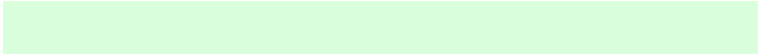


# Sweetspot

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



7BF187



D9FFDD



E5F17B



69806B



000000



808080



# Same Dimension

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



7BF187



69FF78



7BF1C2



6C786D



00B813



003806



# Inverse Universe

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



F17BE5



FF69F0



F17BAA



786C77



B800A5

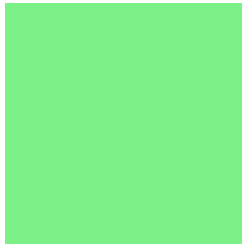


380032



# Previews

## White Background



This preview shows how the Hex color 7BF187 looks on a white background.

## Color Contrast Check

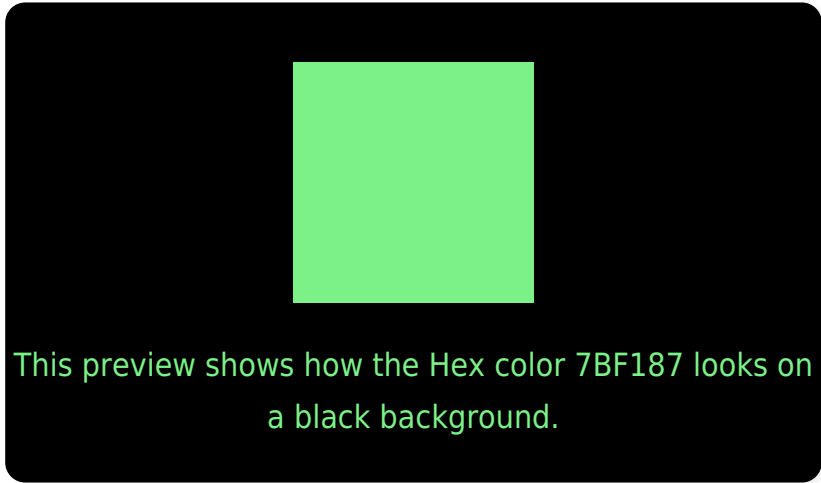
Large Text (above 18pt) WCAG AA × Fail

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

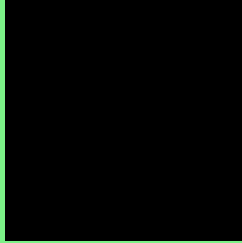
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 7BF187 Background



This preview shows how black text looks on a background with the Hex color 7BF187.

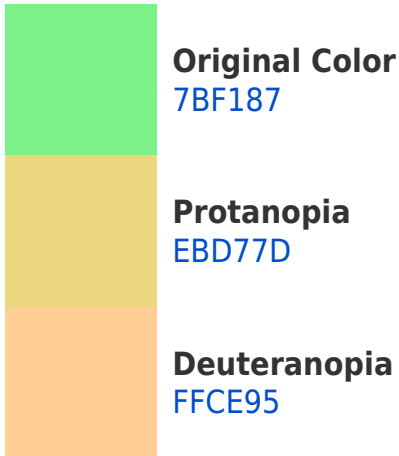


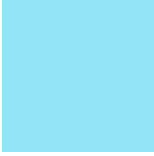
This preview shows how white text looks on a background with the Hex color 7BF187.

# 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





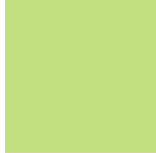
**Tritanopia**  
94E4F7

# Trichromacy



**Original Color**

7BF187



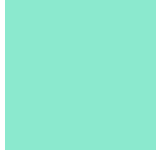
**Protanomaly**

C2E081



**Deuteranomaly**

CFDB90



**Tritanomaly**

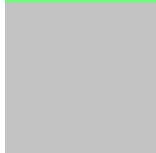
8BE9CE

# Monochromacy



**Original Color**

7BF187



**Achromatopsia**

C2C2C2



**Achromatomaly**

A8D3AD

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7BF187 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 #7BF187 looks like.

```
.text, #text, p{  
    color:#7BF187  
}
```

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 #7BF187 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7BF187
}
```

## Border

The CSS property to change the border of an element to Hex 7BF187 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
#7BF187 }
```

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

```
.border{ border-color:#7BF187 }
```

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

Here you see how a box with a 4 pixel #7BF187 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7BF187; -webkit-box-shadow:4px 4px  
4px 4px #7BF187; box-shadow:4px 4px 4px  
4px #7BF187 }
```

# Background

The CSS property to change the background color of an element to Hex 7BF187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7BF187 }
```

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

```
.background{ background-color:#7BF187 }
```

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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