

# Converting Colors

Hex(7DD98B)

Have a look what the booklet for  
Hex(7DD98B) contains.

<b>Hex(7DD98B)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(7DD98B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DD98B
RGB	125, 217, 139
RGB Percent	49%, 85%, 55%
CMY	0.5098, 0.1490, 0.4549
CMYK	0.42, 0.00, 0.36, 0.15
HSL	129°, 55%, 67%
HSV	129°, 42%, 85%
XYZ	37.9305, 55.8498, 33.2070
YIQ	180.6000, -29.7940, -43.7620

# Conversions

## Conversions Part 2

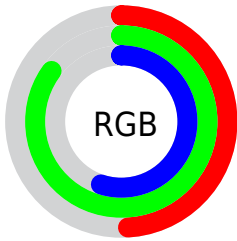
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 205, 217
Decimal	8247691
CIELab	79.53, -43.64, 30.08
CIELCh	80, 53.004, 145.423
Yxy	55.8498, 0.2987, 0.4398
Android (android.graphics.Color)	4286437771 (0xFF7DD98B)
YUV	180.6000, -20.5088, -48.7612
Hunter-Lab	74.7327, -40.1847, 25.9677

# Details

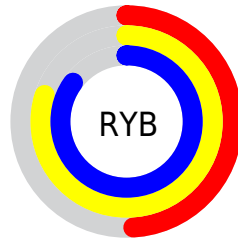
The Hex color **7DD98B** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **D97DCB**, and the grayscale version is **B5B5B5**.

A 20% lighter version of the original color is **B5FFC1**, and **45A158** is the 20% darker color. If you saturate the color by 10%, you get **67D979**, and if you desaturate by 10%, it is **93D99D**.

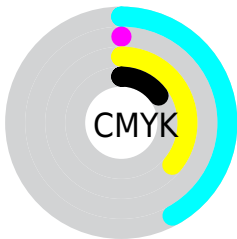
# Distribution



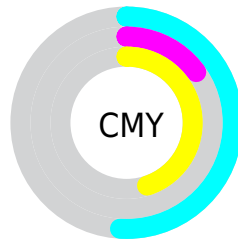
- Red (49%)
- Green (85%)
- Blue (55%)



- Red (49%)
- Yellow (80%)
- Blue (85%)



- Cyan (42%)
- Magenta (0%)
- Yellow (36%)
- Black (15%)



- Cyan (51%)
- Magenta (15%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7DD98B 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 7DD98B by changing the saturation by 10% instead.



 7DD98B

 7DD98B

FFFFFF

 61BD71

 B5FFC1

 45A158

 D2FFDD

 268740

 F0FFFA

 006D28

 005411

 003B00

 002700

 000000

 7DD98B

 7DD98B

 67D979

 93D99D

 52D966

 A8D9B0

 3CD954

 BED9C2

 26D941

 D4D9D5

 10D92F

 EAD9E7

 00D921

 FFD9F9

 FFD9FF

# Harmonies

## Analogous

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



B9CF69



7DD98B



01DEBC

# Triad

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



7DD98B



5DCCFF



FF9F9D

# Complementary

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



7DD98B



D97DCB

# 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.



FF9DCF



7DD98B



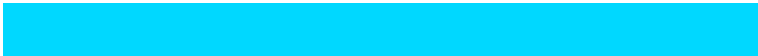
BDBBFF

# Square

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



7DD98B



00D8FF



FBA8FE



FFAE75

# Rectangle

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



7DD98B



00DFDE



FBA8FE



FF9DAD

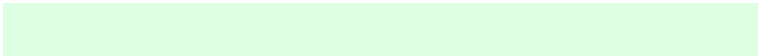


# Sweetspot

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



7DD98B



DEFFE3



CBD97D



6B806E



000000



808080



# Same Dimension

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



7DD98B



7DFF91



7DD9B9



636E64



00AD1A



002E07



# Inverse Universe

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



D97DCB



FF7DEB



D97D9D



6E636C



AD0093

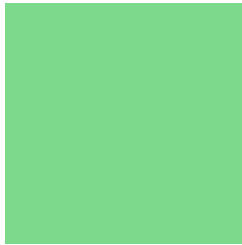


2E0027



# Previews

## White Background



This preview shows how the Hex color 7DD98B looks on a white background.

## Color Contrast Check

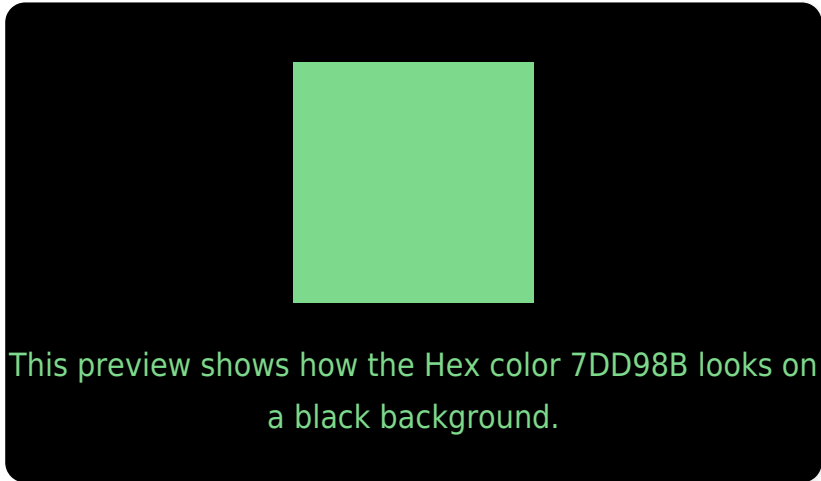
Large Text (above 18pt) WCAG AA × Fail

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 7DD98B Background



This preview shows how black text looks on a background with the Hex color 7DD98B.

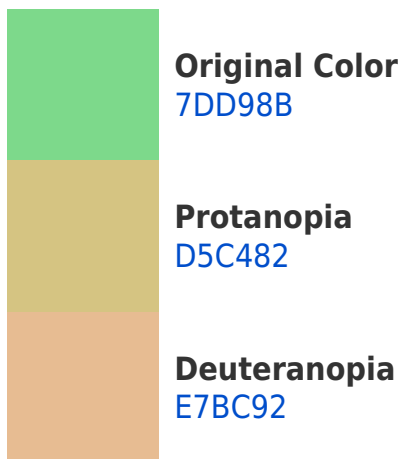


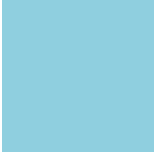
This preview shows how white text looks on a background with the Hex color 7DD98B.

# 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](#).

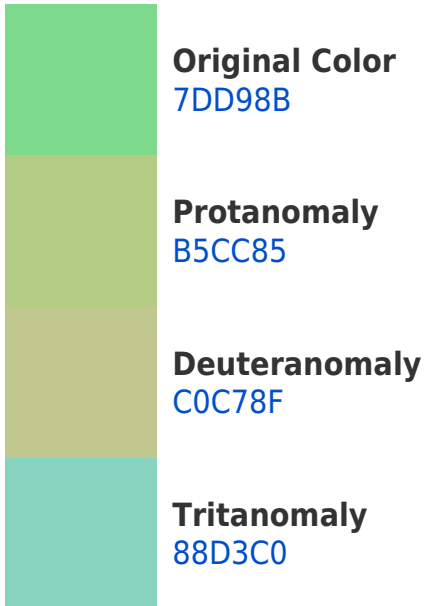
## Dichromacy



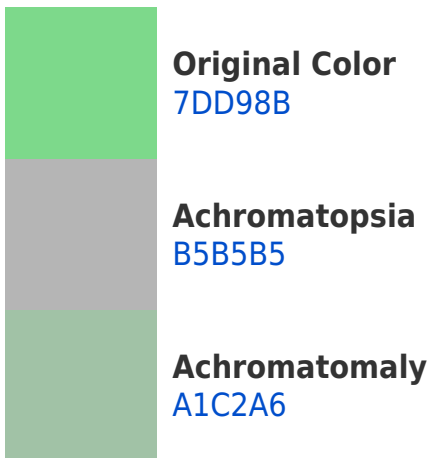


**Tritanopia**  
8FCFDF

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7DD98B 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 #7DD98B looks like.

```
.text, #text, p{  
    color:#7DD98B  
}
```

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 #7DD98B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7DD98B
}
```

## Border

The CSS property to change the border of an element to Hex 7DD98B 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
#7DD98B }
```

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

```
.border{ border-color:#7DD98B }
```

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

Here you see how a box with a 4 pixel #7DD98B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7DD98B; -webkit-box-shadow:4px 4px  
4px 4px #7DD98B; box-shadow:4px 4px 4px  
4px #7DD98B }
```

# Background

The CSS property to change the background color of an element to Hex 7DD98B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7DD98B }
```

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

```
.background{ background-color:#7DD98B }
```

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