

# Converting Colors

Hex(63D78A)

Have a look what the booklet for  
Hex(63D78A) contains.

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**Color**

**Hex(63D78A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	63D78A
RGB	99, 215, 138
RGB Percent	39%, 84%, 54%
CMY	0.6118, 0.1569, 0.4588
CMYK	0.54, 0.00, 0.36, 0.16
HSL	140°, 59%, 62%
HSV	140°, 54%, 84%
XYZ	34.0335, 53.0885, 32.4981
YIQ	171.5380, -44.4190, -48.5390

# Conversions

## Conversions Part 2

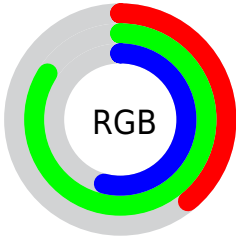
<b>Format</b>	<b>Color</b>
<b>RYB</b>	99, 186, 215
Decimal	6543242
CIELab	77.93, -49.81, 28.29
CIELCh	78, 57.277, 150.408
Yxy	53.0885, 0.2845, 0.4438
Android (android.graphics.Color)	4284733322 (0xFF63D78A)
YUV	171.5380, -16.5342, -63.6158
Hunter-Lab	72.8619, -44.1316, 24.5586

# Details

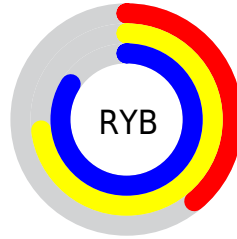
The Hex color **63D78A** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **D763B0**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **9DFFC0**, and **209F57** is the 20% darker color. If you saturate the color by 10%, you get **4ED77C**, and if you desaturate by 10%, it is **79D798**.

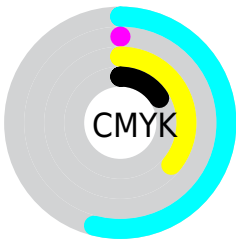
# Distribution



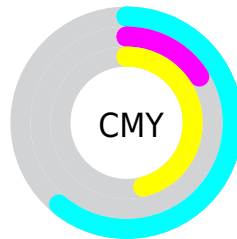
- Red (39%)
- Green (84%)
- Blue (54%)



- Red (39%)
- Yellow (73%)
- Blue (84%)



- Cyan (54%)
- Magenta (0%)
- Yellow (36%)
- Black (16%)



- Cyan (61%)
- Magenta (16%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 63D78A 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 63D78A by changing the saturation by 10% instead.



 63D78A

 63D78A

FFFFFF

 45BB70

 9DFFC0

 209F57

 BAFFDC

 00843F

 D8FFF9

 006A28

 F6FFFF

 005111

 003900

 002300

 000000

 63D78A

 63D78A

 4ED77C

 79D798

 38D76D

 8ED7A7

 23D75F

 A4D7B5

 0DD751

 B9D7C3

 00D748

 CFD7D1

 E4D7E0

 FAD7EE

 FFD7FC

 FFD7FF

# Harmonies

## Analogous

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



A9CD61



63D78A



00DBC0

# Triad

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



63D78A



5DC6FF



FF998E

# Complementary

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



63D78A



D763B0

# 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.



FF93C2



63D78A



C5B2FF

# Square

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



63D78A



00D4FF



FF9EF6



FFAB65

# Rectangle

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



63D78A



00DBE4



FF9EF6



FF959E

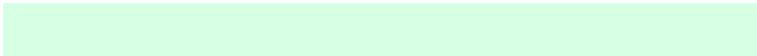


# Sweetspot

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



63D78A



D6FFE4



B0D763



67806F



000000



808080



# Same Dimension

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



63D78A



59FF91



63D7C4



606B64



00AB39



002B0F



# Inverse Universe

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



D763B0



FF59C7



D76376



6B6067



AB0071

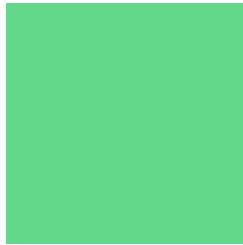


2B001D



# Previews

## White Background



This preview shows how the Hex color 63D78A 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



This preview shows how the Hex color 63D78A looks on a 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 63D78A Background



This preview shows how black text looks on a background with the Hex color 63D78A.

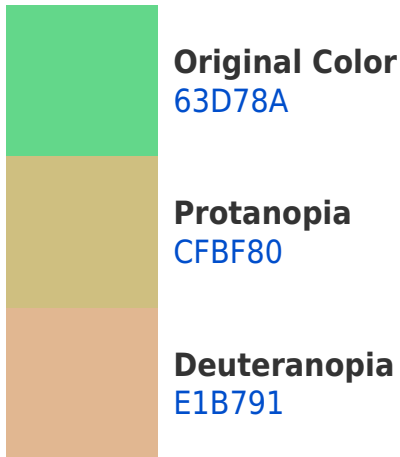


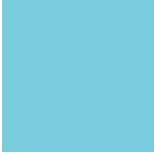
This preview shows how white text looks on a background with the Hex color 63D78A.

# 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**  
79CDDD

# Trichromacy



**Original Color**  
63D78A



**Protanomaly**  
A8C884



**Deuteranomaly**  
B3C38E



**Tritanomaly**  
71D1BF

# Monochromacy



**Original Color**  
63D78A



**Achromatopsia**  
ACACAC



**Achromatomaly**  
91BCA0

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 63D78A 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 #63D78A looks like.

```
.text, #text, p{  
    color:#63D78A  
}
```

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 #63D78A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #63D78A
}
```

## Border

The CSS property to change the border of an element to Hex 63D78A 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
#63D78A }
```

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

```
.border{ border-color:#63D78A }
```

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

Here you see how a box with a 4 pixel #63D78A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #63D78A; -webkit-box-shadow:4px 4px  
4px 4px #63D78A; box-shadow:4px 4px 4px  
4px #63D78A }
```

# Background

The CSS property to change the background color of an element to Hex 63D78A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#63D78A }
```

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

```
.background{ background-color:#63D78A }
```

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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