

# Converting Colors

Hex(64B781)

Have a look what the booklet for  
Hex(64B781) contains.

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# **Color**

**Hex(64B781)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64B781
RGB	100, 183, 129
RGB Percent	39%, 72%, 51%
CMY	0.6078, 0.2824, 0.4941
CMYK	0.45, 0.00, 0.30, 0.28
HSL	141°, 37%, 55%
HSV	141°, 45%, 72%
XYZ	26.1515, 38.1613, 26.7564
YIQ	152.0270, -32.1340, -34.3900

# Conversions

## Conversions Part 2

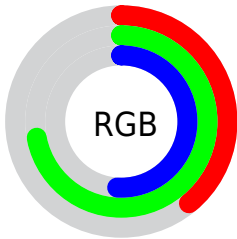
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">100, 162, 183</a>
Decimal	<a href="#">6600577</a>
CIELab	<a href="#">68.14, -37.47, 19.80</a>
CIELCh	<a href="#">68, 42.374, 152.149</a>
Yxy	<a href="#">38.1613, 0.2872, 0.4190</a>
Android (android.graphics.Color)	<a href="#">4284790657 (0xFF64B781)</a>
YUV	<a href="#">152.0270, -11.3523, -45.6277</a>
Hunter-Lab	<a href="#">61.7748, -32.5406, 17.5622</a>

# Details

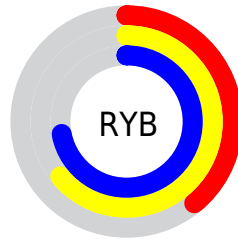
The Hex color **64B781** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **B7649A**, and the grayscale version is **989898**.

A 20% lighter version of the original color is **9BEFB6**, and **2D814F** is the 20% darker color. If you saturate the color by 10%, you get **52B775**, and if you desaturate by 10%, it is **76B78D**.

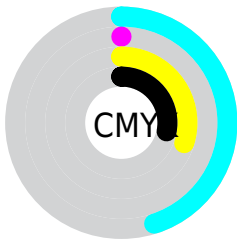
# Distribution



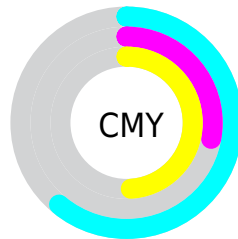
- Red (39%)
- Green (72%)
- Blue (51%)



- Red (39%)
- Yellow (64%)
- Blue (72%)



- Cyan (45%)
- Magenta (0%)
- Yellow (30%)
- Black (28%)



- Cyan (61%)
- Magenta (28%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 64B781 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 64B781 by changing the saturation by 10% instead.



 64B781

 64B781

FFFFFF

 499C68

 9BEFB6

 2D814F

 B7FFD2

 066838

 D4FFEE

 004F22

 F1FFFF

 00370C

 002300

 000000

 64B781

 64B781

 52B775

 76B78D

 3FB769

 89B799

 2DB75D

 9BB7A5

 1BB751

 ADB7B1

 08B745

 C0B7BD

 00B740

 D2B7C8

 E4B7D4

 F6B7E0

 FFB7EC

# Harmonies

## Analogous

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



94B064



64B781



18BAA8

# Triad

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



64B781



6FA9F2



ED8B7F

# Complementary

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



64B781



B7649A

# 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.



ED87A5



64B781



AD9BE7

# Square

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



64B781



00B3E9



D88ECB



DB9763

# Rectangle

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



64B781



00BAC2



D88ECB



EF898B



# Sweetspot

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



64B781



CCEDD8



9BB764



63786B



F7F7F7



787878



# Same Dimension

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



64B781



6DED9A



64B7A9



535C56



009C36



001C0A



# Inverse Universe

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



B7649A



ED6DC0



B76472



5C5359



9C0065



1C0012



# Previews

## White Background



This preview shows how the Hex color 64B781 looks on a white background.

## Color Contrast Check

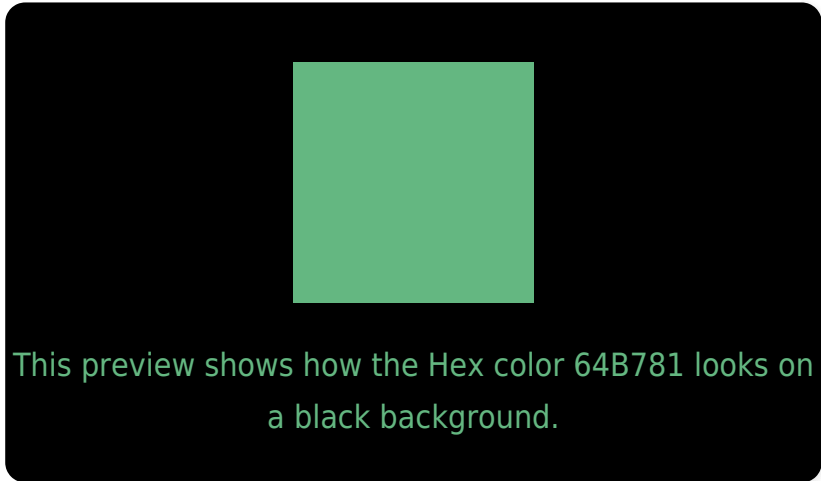
Large Text (above 18pt) WCAG AA × Fail

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

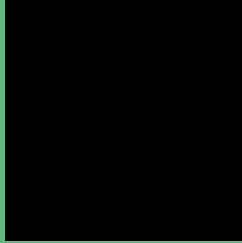
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 64B781 Background



This preview shows how black text looks on a background with the Hex color 64B781.

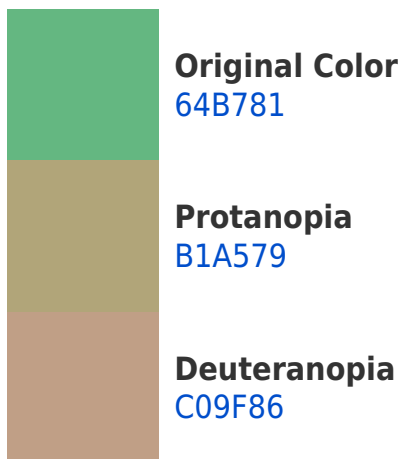


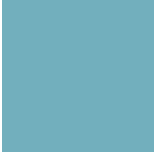
This preview shows how white text looks on a background with the Hex color 64B781.

# 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**  
72AFBD

# Trichromacy



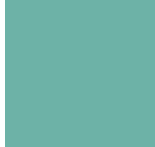
**Original Color**  
64B781



**Protanomaly**  
95AC7C



**Deuteranomaly**  
9FA884



**Tritanomaly**  
6DB2A7

# Monochromacy



**Original Color**  
64B781



**Achromatopsia**  
989898



**Achromatomaly**  
85A390

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 64B781 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 #64B781 looks like.

```
.text, #text, p{  
    color:#64B781  
}
```

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 #64B781 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #64B781
}
```

## Border

The CSS property to change the border of an element to Hex 64B781 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
#64B781 }
```

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

```
.border{ border-color:#64B781 }
```

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

Here you see how a box with a 4 pixel #64B781 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #64B781; -webkit-box-shadow:4px 4px  
4px 4px #64B781; box-shadow:4px 4px 4px  
4px #64B781 }
```

# Background

The CSS property to change the background color of an element to Hex 64B781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#64B781 }
```

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

```
.background{ background-color:#64B781 }
```

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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