

# Converting Colors

Hex(B3DE81)

Have a look what the booklet for  
Hex(B3DE81) contains.

<b>Hex(B3DE81)</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(**B3DE81**)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B3DE81
RGB	179, 222, 129
RGB Percent	70%, 87%, 51%
CMY	0.2980, 0.1294, 0.4941
CMYK	0.19, 0.00, 0.42, 0.13
HSL	88°, 58%, 69%
HSV	88°, 42%, 87%
XYZ	48.6741, 63.4112, 30.4431
YIQ	198.5410, 4.2250, -38.0390

# Conversions

## Conversions Part 2

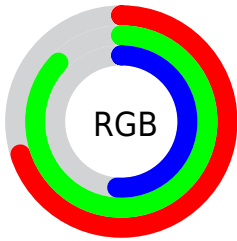
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 222, 172
Decimal	11787905
CIELab	83.66, -29.53, 41.05
CIELCh	84, 50.566, 125.737
Yxy	63.4112, 0.3415, 0.4449
Android (android.graphics.Color)	4289977985 (0xFFB3DE81)
YUV	198.5410, -34.2837, -17.1375
Hunter-Lab	79.6312, -30.2474, 33.0752

# Details

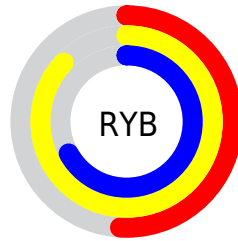
The Hex color **B3DE81** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **AC81DE**, and the grayscale version is **C7C7C7**.

A 20% lighter version of the original color is **ECFFB7**, and **7CA74E** is the 20% darker color. If you saturate the color by 10%, you get **A9DE6B**, and if you desaturate by 10%, it is **BDDE97**.

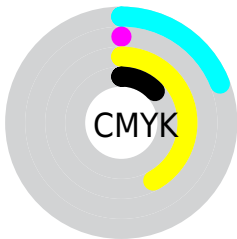
# Distribution



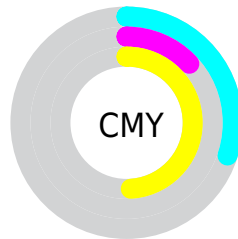
- Red (70%)
- Green (87%)
- Blue (51%)



- Red (51%)
- Yellow (87%)
- Blue (67%)



- Cyan (19%)
- Magenta (0%)
- Yellow (42%)
- Black (13%)



- Cyan (30%)
- Magenta (13%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B3DE81 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 B3DE81 by changing the saturation by 10% instead.



 B3DE81

 B3DE81

FFFFFF

 97C267

 ECFFB7

 7CA74E

 FFFFD3

 628C35

 FFFFF0

 48721B

 2F5A00

 164200

 002B00

 001500

 000000

 B3DE81

 B3DE81

 A9DE6B

 BDDE97

 9EDE55

 C8DEAD

 94DE3E

 D2DEC4

 8ADE28

 DCDEDA

 80DE12

 E6DEF0

 77DE00

 F1DEFF

 FBDEFF

 FFDEFF

# Harmonies

## Analogous

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



E6D170



B3DE81



76E6A8

# Triad

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



B3DE81



12E0FF



FFAAC9

# Complementary

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



B3DE81



AC81DE

# 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.



FFB1F9



B3DE81



96D2FF

# Square

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



B3DE81



00E8FF



E1C1FF



FFB19B

# Rectangle

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



B3DE81



3DE9C8



E1C1FF



FFABD9



# Sweetspot

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



B3DE81



F0FFDE



DEAB81



76806B



000000



808080

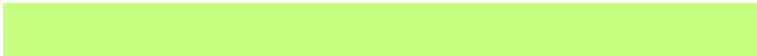


# Same Dimension

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



B3DE81



C4FF80



86DE81



6B7065



5FB000



1A3000



# Inverse Universe

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



AC81DE



BA80FF



D981DE



6A6570



5100B0



160030



# Previews

## White Background



This preview shows how the Hex color B3DE81 looks on a white background.

## Color Contrast Check

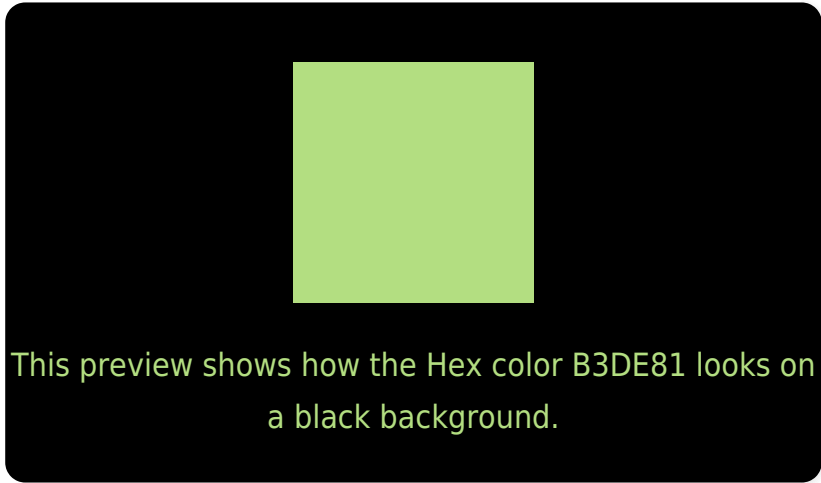
Large Text (above 18pt) WCAG AA × Fail

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

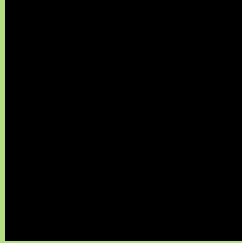
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex B3DE81 Background



This preview shows how black text looks on a background with the Hex color B3DE81.

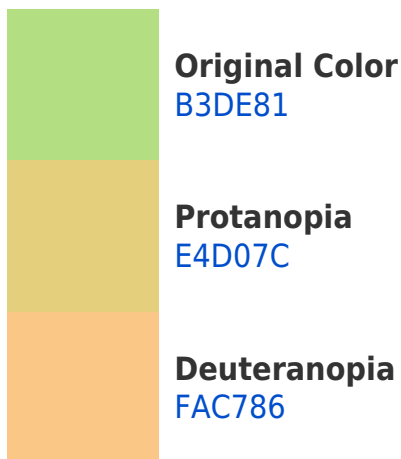


This preview shows how white text looks on a background with the Hex color B3DE81.

# 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](#).

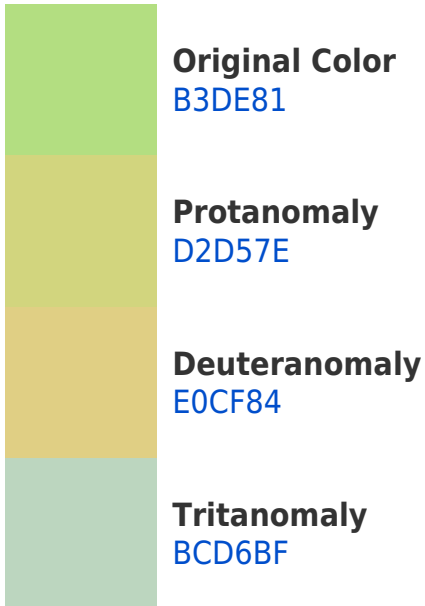
## Dichromacy



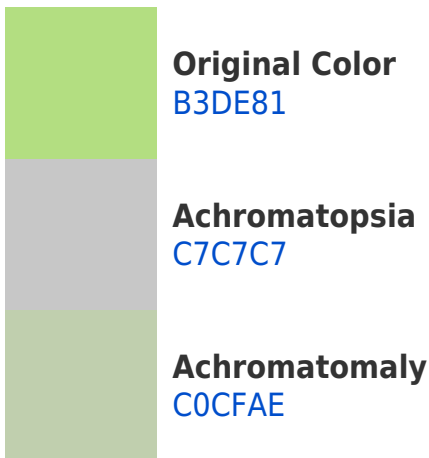


**Tritanopia**  
C1D2E3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B3DE81 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 #B3DE81 looks like.

```
.text, #text, p{  
    color:#B3DE81  
}
```

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 #B3DE81 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B3DE81
}
```

## Border

The CSS property to change the border of an element to Hex B3DE81 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
#B3DE81 }
```

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

```
.border{ border-color:#B3DE81 }
```

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

Here you see how a box with a 4 pixel #B3DE81 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B3DE81; -webkit-box-shadow:4px 4px  
4px 4px #B3DE81; box-shadow:4px 4px 4px  
4px #B3DE81 }
```

# Background

The CSS property to change the background color of an element to Hex B3DE81 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B3DE81 }
```

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

```
.background{ background-color:#B3DE81 }
```

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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