

# Converting Colors

Hex(7BDE6A)

Have a look what the booklet for  
Hex(7BDE6A) contains.

<b>Hex(7BDE6A)</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(7BDE6A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BDE6A
RGB	123, 222, 106
RGB Percent	48%, 87%, 42%
CMY	0.5176, 0.1294, 0.5843
CMYK	0.45, 0.00, 0.52, 0.13
HSL	111°, 64%, 64%
HSV	111°, 52%, 87%
XYZ	36.8912, 57.4941, 22.7888
YIQ	179.1750, -21.7680, -57.0640

# Conversions

## Conversions Part 2

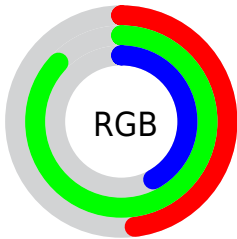
<b>Format</b>	<b>Color</b>
<b>RYB</b>	106, 222, 205
Decimal	8117866
CIELab	80.46, -51.04, 47.56
CIELCh	80, 69.762, 137.020
Yxy	57.4941, 0.3148, 0.4907
Android (android.graphics.Color)	4286307946 (0xFF7BDE6A)
YUV	179.1750, -36.0753, -49.2655
Hunter-Lab	75.8249, -45.8477, 35.2581

# Details

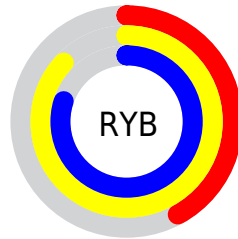
The Hex color **7BDE6A** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **CD6ADE**, and the grayscale version is **B4B4B4**.

A 20% lighter version of the original color is **B5FFA0**, and **40A636** is the 20% darker color. If you saturate the color by 10%, you get **68DE54**, and if you desaturate by 10%, it is **8EDE80**.

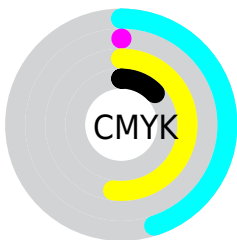
# Distribution



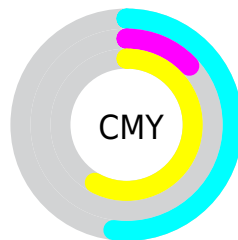
- Red (48%)
- Green (87%)
- Blue (42%)



- Red (42%)
- Yellow (87%)
- Blue (80%)



- Cyan (45%)
- Magenta (0%)
- Yellow (52%)
- Black (13%)



- Cyan (52%)
- Magenta (13%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7BDE6A 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 7BDE6A by changing the saturation by 10% instead.



 7BDE6A

 7BDE6A

FFFFFF

 5EC250

 B5FFA0

 40A636

 D2FFBB

 1D8B1A

 F0FFD8

 007100

 FFFFF5

 005700

 003F00

 002900

 000300

 000000

 7BDE6A

 7BDE6A

 68DE54

 8EDE80

 55DE3E

 A1DE96

 42DE27

 B4DEAD

 2FDE11

 C7DEC3

 21DE00

 DADED9

 EDDEEF

 FFDEFF

# Harmonies

## Analogous

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



C7D040



7BDE6A



00E6A8

# Triad

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



7BDE6A



00D7FF



FF8EA5

# Complementary

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



7BDE6A



CD6ADE

# Split Complementary

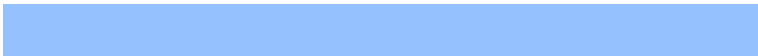
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF90E7



7BDE6A



95C2FF

# Square

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



7BDE6A



00E3FF



FAA7FF



FFA16A

# Rectangle

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



7BDE6A



00E7D6



FAA7FF



FF8BBB

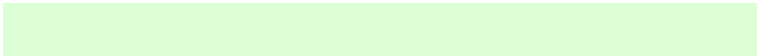


# Sweetspot

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



7BDE6A



DCFFD6



DECD6A



6B8067



000000



808080



# Same Dimension

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



7BDE6A



76FF5E



6ADE93



677065



1AB000



073000



# Inverse Universe

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



CD6ADE



E75EFF



DE6AB5



6F6570



9600B0

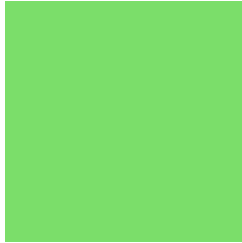


290030



# Previews

## White Background



This preview shows how the Hex color 7BDE6A looks on a white background.

## Color Contrast Check

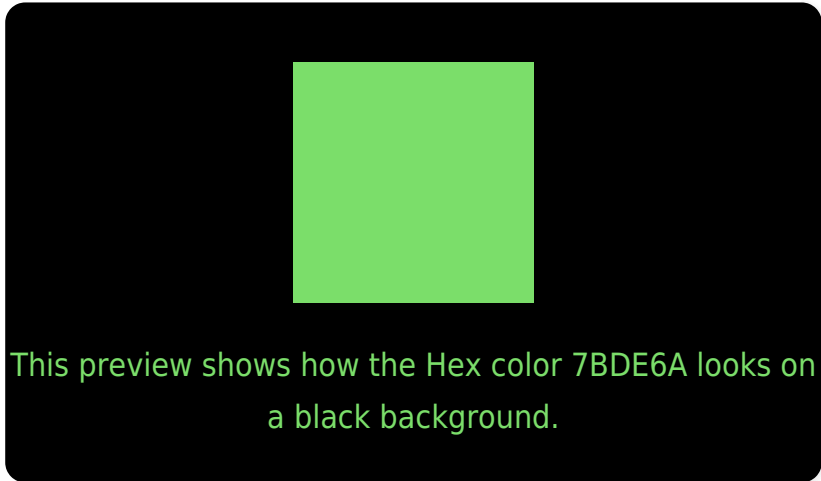
Large Text (above 18pt) WCAG AA × Fail

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

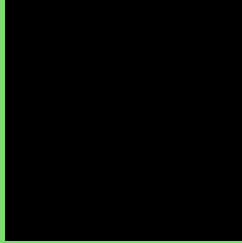
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 7BDE6A Background



This preview shows how black text looks on a background with the Hex color 7BDE6A.

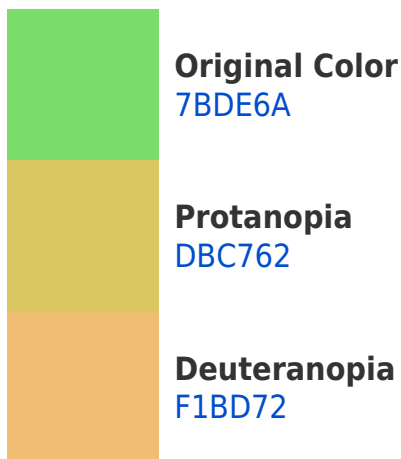


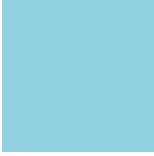
This preview shows how white text looks on a background with the Hex color 7BDE6A.

# 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**  
92D1E2

# Trichromacy



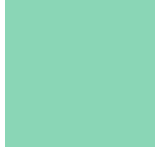
**Original Color**  
7BDE6A



**Protanomaly**  
B8CF65



**Deuteranomaly**  
C6C96F



**Tritanomaly**  
8AD6B6

# Monochromacy



**Original Color**  
7BDE6A



**Achromatopsia**  
B3B3B3



**Achromatomaly**  
9FC398

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7BDE6A 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 #7BDE6A looks like.

```
.text, #text, p{  
    color:#7BDE6A  
}
```

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 #7BDE6A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7BDE6A
}
```

## Border

The CSS property to change the border of an element to Hex 7BDE6A 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
#7BDE6A }
```

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

```
.border{ border-color:#7BDE6A }
```

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

Here you see how a box with a 4 pixel #7BDE6A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7BDE6A; -webkit-box-shadow:4px 4px  
4px 4px #7BDE6A; box-shadow:4px 4px 4px  
4px #7BDE6A }
```

# Background

The CSS property to change the background color of an element to Hex 7BDE6A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7BDE6A }
```

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

```
.background{ background-color:#7BDE6A }
```

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