

# Converting Colors

Hex(7BDD5D)

Have a look what the booklet for  
Hex(7BDD5D) contains.

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**Color**

**Hex(7BDD5D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BDD5D
RGB	123, 221, 93
RGB Percent	48%, 87%, 36%
CMY	0.5176, 0.1333, 0.6353
CMYK	0.44, 0.00, 0.58, 0.13
HSL	106°, 65%, 62%
HSV	106°, 58%, 87%
XYZ	36.0006, 56.7142, 19.4054
YIQ	177.1060, -17.3200, -60.5840

# Conversions

## Conversions Part 2

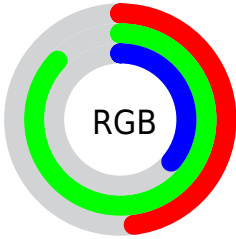
<b>Format</b>	<b>Color</b>
<b>RYB</b>	93, 221, 191
Decimal	8117597
CIELab	80.02, -52.11, 53.00
CIElCh	80, 74.323, 134.515
Yxy	56.7142, 0.3211, 0.5058
Android (android.graphics.Color)	4286307677 (0xFF7BDD5D)
YUV	177.1060, -41.4643, -47.4510
Hunter-Lab	75.3088, -46.4603, 37.4384

# Details

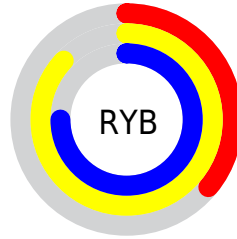
The Hex color **7BDD5D** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **BF5DDD**, and the grayscale version is **B2B2B2**.

A 20% lighter version of the original color is **B5FF93**, and **40A527** is the 20% darker color. If you saturate the color by 10%, you get **6ADD47**, and if you desaturate by 10%, it is **8CDD73**.

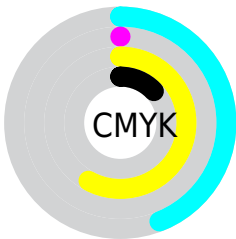
# Distribution



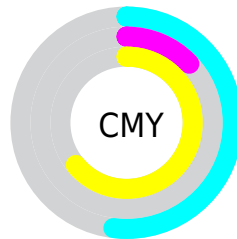
- Red (48%)
- Green (87%)
- Blue (36%)



- Red (36%)
- Yellow (87%)
- Blue (75%)



- Cyan (44%)
- Magenta (0%)
- Yellow (58%)
- Black (13%)



- Cyan (52%)
- Magenta (13%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7BDD5D 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 7BDD5D by changing the saturation by 10% instead.



 7BDD5D

 7BDD5D

FFFFFF

 5EC142

 B5FF93

 40A527

 D2FFAF

 1B8A00

 F0FFCB

 007000

 FFFFE8

 005600

 003E00

 002800

 000000

 7BDD5D

 7BDD5D

 6ADD47

 8CDD73

 59DD31

 9DDD89

 48DD1B

 AEDD9F

 37DD05

 BFDDB5

 34DD00

 D0DDCC

 E1DDE2

 F1DDF8

 FFDDFF

# Harmonies

## Analogous

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



CBCD2F



7BDD5D



00E59F

# Triad

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



7BDD5D



00D8FF



FF86A8

# Complementary

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



7BDD5D



BF5DDD

# 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.



FF8BED



7BDD5D



7FC3FF

# Square

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



7BDD5D



00E4FF



F5A5FF



FF9A68

# Rectangle

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



7BDD5D



00E8CF



F5A5FF



FF84BF

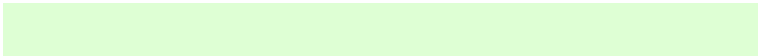


# Sweetspot

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



7BDD5D



DEFFD4



DDBD5D



6C8066



000000



808080



# Same Dimension

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



7BDD5D



76FF4D



5DDD7D



656E63



29AD00



0B2E00



# Inverse Universe

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



BF5DDD



D54DFF



DD5DBD



6B636E



8500AD



23002E



# Previews

## White Background



This preview shows how the Hex color 7BDD5D looks on a white background.

## Color Contrast Check

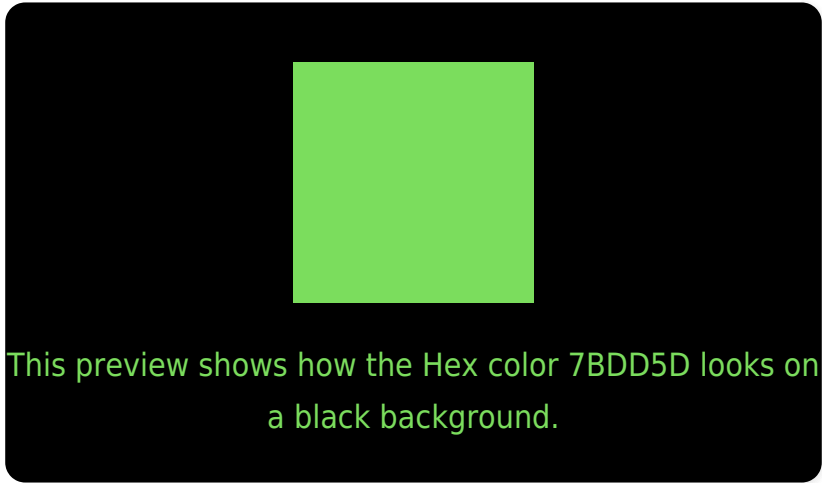
Large Text (above 18pt) WCAG AA × Fail

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

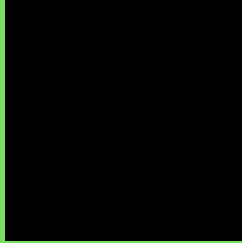
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 7BDD5D Background



This preview shows how black text looks on a background with the Hex color 7BDD5D.

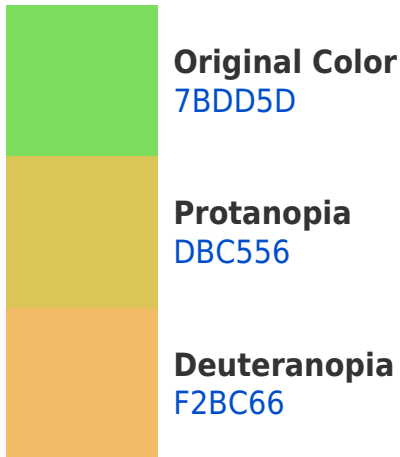


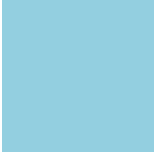
This preview shows how white text looks on a background with the Hex color 7BDD5D.

# 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](#).

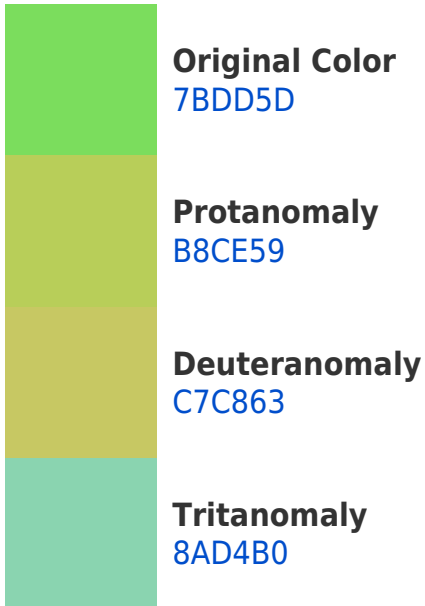
## Dichromacy



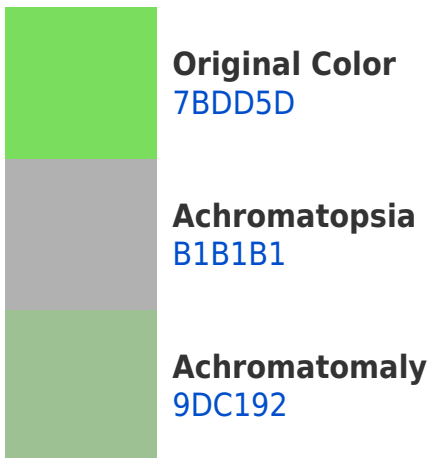


**Tritanopia**  
93CFE0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7BDD5D 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 #7BDD5D looks like.

```
.text, #text, p{  
    color:#7BDD5D  
}
```

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 #7BDD5D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7BDD5D
}
```

## Border

The CSS property to change the border of an element to Hex 7BDD5D 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
#7BDD5D }
```

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

```
.border{ border-color:#7BDD5D }
```

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

Here you see how a box with a 4 pixel #7BDD5D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7BDD5D; -webkit-box-shadow:4px 4px  
4px 4px #7BDD5D; box-shadow:4px 4px 4px  
4px #7BDD5D }
```

# Background

The CSS property to change the background color of an element to Hex 7BDD5D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7BDD5D }
```

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

```
.background{ background-color:#7BDD5D }
```

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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