

# Converting Colors

Hex(86D046)

Have a look what the booklet for  
Hex(86D046) contains.

<b>Hex(86D046)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(86D046)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	86D046
RGB	134, 208, 70
RGB Percent	53%, 82%, 27%
CMY	0.4745, 0.1843, 0.7255
CMYK	0.36, 0.00, 0.66, 0.18
HSL	92°, 59%, 55%
HSV	92°, 66%, 82%
XYZ	33.4929, 50.6223, 13.8002
YIQ	170.1420, 0.1940, -58.6060

# Conversions

## Conversions Part 2

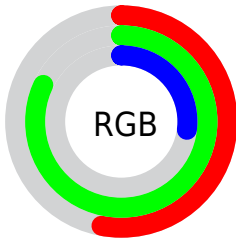
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">70, 208, 144</a>
Decimal	<a href="#">8835142</a>
CIELab	<a href="#">76.45, -45.33, 58.93</a>
CIELCh	<a href="#">76, 74.348, 127.565</a>
Yxy	<a href="#">50.6223, 0.3421, 0.5170</a>
Android (android.graphics.Color)	<a href="#">4287025222 (0xFF86D046)</a>
YUV	<a href="#">170.1420, -49.3700, -31.6965</a>
Hunter-Lab	<a href="#">71.1493, -40.4841, 38.3046</a>

# Details

The Hex color **86D046** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **9046D0**, and the grayscale version is **ABABAB**.

A 20% lighter version of the original color is **BFFF7D**, and **4D9900** is the 20% darker color. If you saturate the color by 10%, you get **7BD031**, and if you desaturate by 10%, it is **91D05B**.

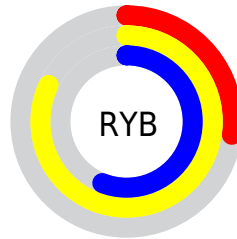
# Distribution



Red (53%)

Green (82%)

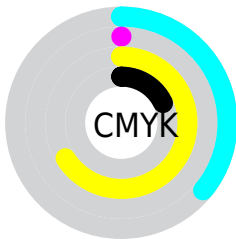
Blue (27%)



Red (27%)

Yellow (82%)

Blue (56%)

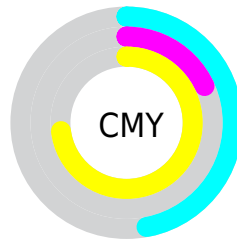


Cyan (36%)

Magenta (0%)

Yellow (66%)

Black (18%)



Cyan (47%)

Magenta (18%)

Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 86D046 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 86D046 by changing the saturation by 10% instead.



 86D046

 86D046

FFFFFF

 6AB429

 BFFF7D

 4D9900

 DDF98

 2F7F00

 FAFFB4

 076500

 FFFFD1

 004C00

 FFFFEE

 003500

 001F00

 000000

 86D046

 86D046

 7BD031

 91D05B

 70D01C

 9CD070

 65D008

 A7D084

 60D000

 B3D099

 BED0AE

 C9D0C3

 D4D0D8

 DFD0EC

 EAD0FF

# Harmonies

## Analogous

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



CFBF1D



86D046



00DA85

# Triad

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



86D046



00D2FF



FF79AE

# Complementary

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



86D046



9046D0

# 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.



FF85F3



86D046



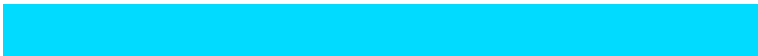
38BFFF

# Square

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



86D046



00DBFF



D6A3FF



FF8A6C

# Rectangle

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



86D046



00DDB5



D6A3FF



FF7AC5

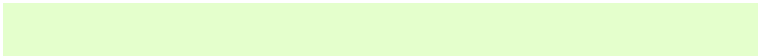


# Sweetspot

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



86D046



E4FFCC



D09046



6F8061



000000



808080



# Same Dimension

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



86D046



92FF33



46D04B



63695E



4EA800



132900



# Inverse Universe

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



9046D0



A033FF



D046CB



645E69



5A00A8



160029



# Previews

## White Background



This preview shows how the Hex color 86D046 looks on a white background.

## Color Contrast Check

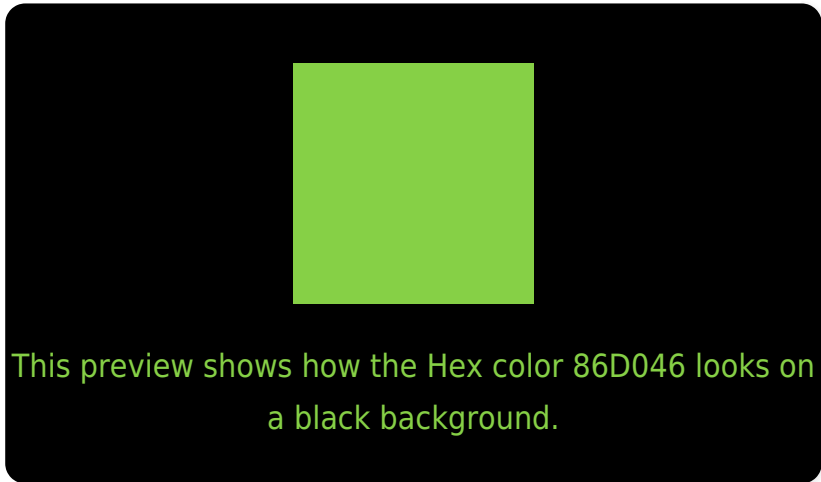
Large Text (above 18pt) WCAG AA × Fail

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 86D046 Background



This preview shows how black text looks on a background with the Hex color 86D046.

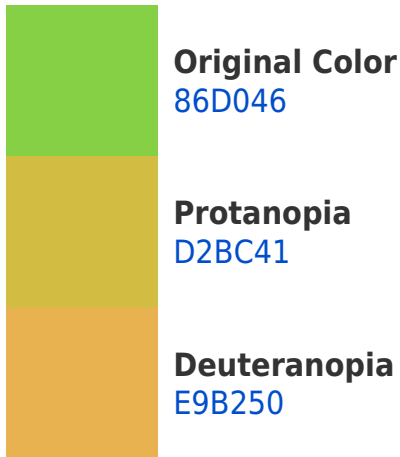


This preview shows how white text looks on a background with the Hex color 86D046.

# 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](#).

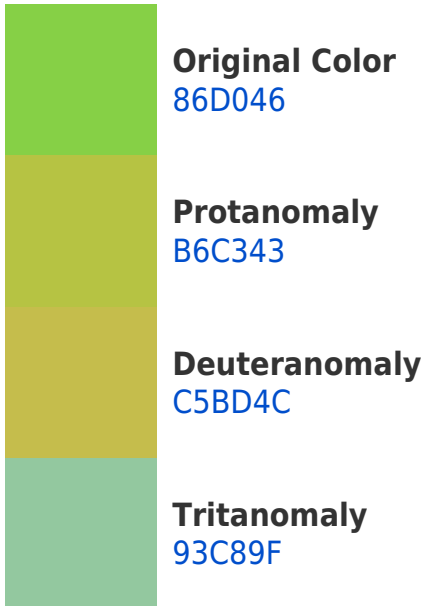
## Dichromacy



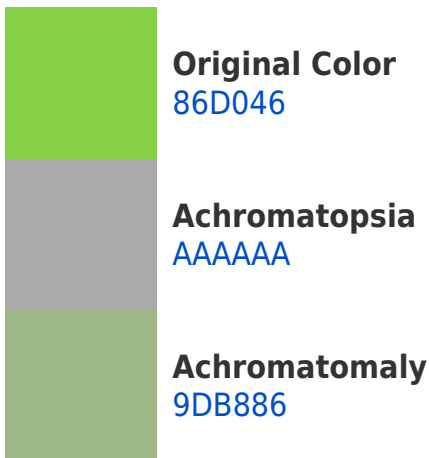


**Tritanopia**  
9AC3D2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 86D046 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 #86D046 looks like.

```
.text, #text, p{  
    color:#86D046  
}
```

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 #86D046 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #86D046
}
```

## Border

The CSS property to change the border of an element to Hex 86D046 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
#86D046 }
```

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

```
.border{ border-color:#86D046 }
```

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

Here you see how a box with a 4 pixel #86D046 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #86D046; -webkit-box-shadow:4px 4px  
4px 4px #86D046; box-shadow:4px 4px 4px  
4px #86D046 }
```

# Background

The CSS property to change the background color of an element to Hex 86D046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#86D046 }
```

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

```
.background{ background-color:#86D046 }
```

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