

# Converting Colors

Hex(87D656)

Have a look what the booklet for  
Hex(87D656) contains.

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**Color**

**Hex(87D656)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87D656
RGB	135, 214, 86
RGB Percent	53%, 84%, 34%
CMY	0.4706, 0.1608, 0.6627
CMYK	0.37, 0.00, 0.60, 0.16
HSL	97°, 61%, 59%
HSV	97°, 60%, 84%
XYZ	35.7180, 53.9159, 17.3284
YIQ	175.7870, -5.9960, -56.5560

# Conversions

## Conversions Part 2

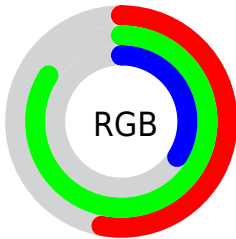
<b>Format</b>	<b>Color</b>
<b>RYB</b>	86, 214, 165
Decimal	8902230
CIELab	78.41, -46.13, 54.40
CIELCh	78, 71.327, 130.302
Yxy	53.9159, 0.3339, 0.5041
Android (android.graphics.Color)	4287092310 (0xFF87D656)
YUV	175.7870, -44.2650, -35.7702
Hunter-Lab	73.4275, -41.6688, 37.4072

# Details

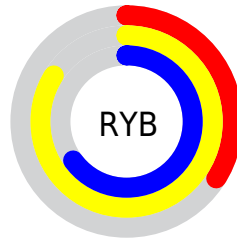
The Hex color **87D656** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **A556D6**, and the grayscale version is **B0B0B0**.

A 20% lighter version of the original color is **C0FF8C**, and **4E9F1E** is the 20% darker color. If you saturate the color by 10%, you get **7AD641**, and if you desaturate by 10%, it is **94D66B**.

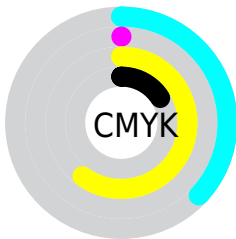
# Distribution



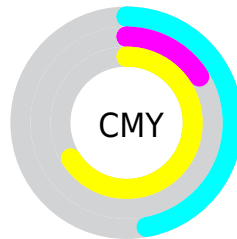
- Red (53%)
- Green (84%)
- Blue (34%)



- Red (34%)
- Yellow (84%)
- Blue (65%)



- Cyan (37%)
- Magenta (0%)
- Yellow (60%)
- Black (16%)



- Cyan (47%)
- Magenta (16%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87D656 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 87D656 by changing the saturation by 10% instead.



 87D656

 87D656

FFFFFF

 6BBA3B

 C0FF8C

 4E9F1E

 DDFFA7

 318400

 FBFFC4

 076A00

 FFFF00

 005100

FFFFFFE

 003900

 002400

 000000

 87D656

 87D656

 7AD641

 94D66B

 6DD62B

 A1D681

 5FD616

 AFD696

 52D600

 BCD6AC

 C9D6C1

 D6D6D6

 E3D6EC

 F1D6FF

 FED6FF

# Harmonies

## Analogous

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



CFC631



87D656



00DF93

# Triad

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



87D656



00D5FF



FF84AE

# Complementary

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



87D656



A556D6

# 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.



FF8CF0



87D656



67C2FF

# Square

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



87D656



00DFFF



E3A7FF



FF946F

# Rectangle

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



87D656



00E2C1



E3A7FF



FF84C4

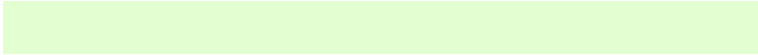


# Sweetspot

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



87D656



E3FFD1



D6A556



6E8063



000000



808080



# Same Dimension

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



87D656



8EFF47



56D665



646B60



41AB00



112B00



# Inverse Universe

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



A556D6



B947FF



D656C7



67606B



6900AB



1B002B



# Previews

## White Background



This preview shows how the Hex color 87D656 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



This preview shows how the Hex color 87D656 looks on a 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 87D656 Background



This preview shows how black text looks on a background with the Hex color 87D656.

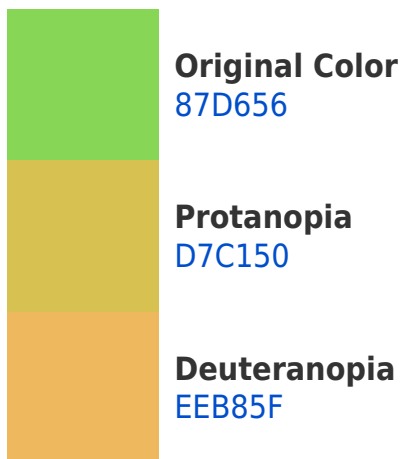


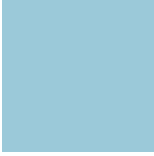
This preview shows how white text looks on a background with the Hex color 87D656.

# 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](#).

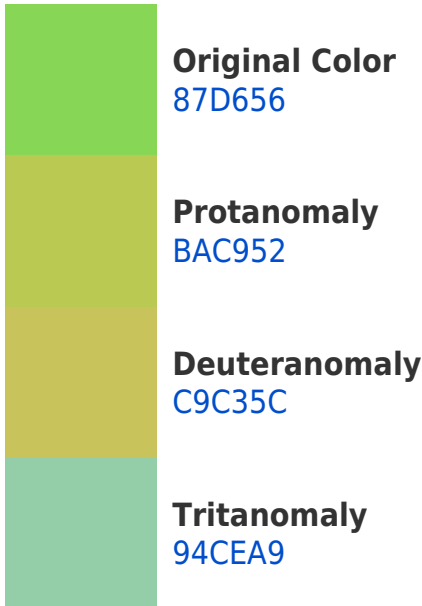
## Dichromacy



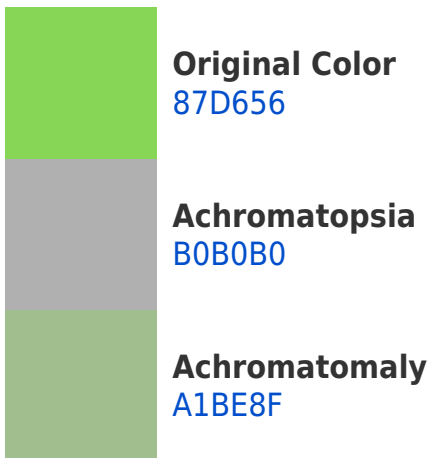


**Tritanopia**  
9BC9D9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87D656 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 #87D656 looks like.

```
.text, #text, p{  
    color:#87D656  
}
```

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 #87D656 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87D656
}
```

## Border

The CSS property to change the border of an element to Hex 87D656 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
#87D656 }
```

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

```
.border{ border-color:#87D656 }
```

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

Here you see how a box with a 4 pixel #87D656 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87D656; -webkit-box-shadow:4px 4px  
4px 4px #87D656; box-shadow:4px 4px 4px  
4px #87D656 }
```

# Background

The CSS property to change the background color of an element to Hex 87D656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87D656 }
```

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

```
.background{ background-color:#87D656 }
```

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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