

# Converting Colors

Hex(87B562)

Have a look what the booklet for  
Hex(87B562) contains.

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**Color**

**Hex(87B562)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87B562
RGB	135, 181, 98
RGB Percent	53%, 71%, 38%
CMY	0.4706, 0.2902, 0.6157
CMYK	0.25, 0.00, 0.46, 0.29
HSL	93°, 36%, 55%
HSV	93°, 46%, 71%
XYZ	28.7202, 39.0805, 17.5849
YIQ	157.7840, -0.7730, -35.5650

# Conversions

## Conversions Part 2

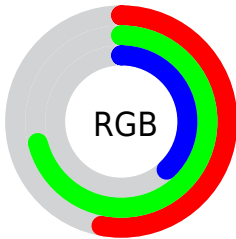
Format	Color
<a href="#">RYB</a>	<a href="#">98, 181, 144</a>
Decimal	<a href="#">8893794</a>
CIELab	<a href="#">68.81, -30.04, 37.31</a>
CIELCh	<a href="#">69, 47.897, 128.838</a>
Yxy	<a href="#">39.0805, 0.3364, 0.4577</a>
Android (android.graphics.Color)	<a href="#">4287083874</a> ( <a href="#">0xFF87B562</a> )
YUV	<a href="#">157.7840, -29.4735, -19.9816</a>
Hunter-Lab	<a href="#">62.5144, -27.3943, 27.0822</a>

# Details

The Hex color **87B562** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **9062B5**, and the grayscale version is **9E9E9E**.

A 20% lighter version of the original color is **BEED96**, and **538031** is the 20% darker color. If you saturate the color by 10%, you get **7DB550**, and if you desaturate by 10%, it is **91B574**.

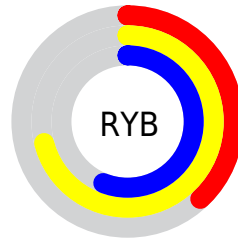
# Distribution



Red (53%)

Green (71%)

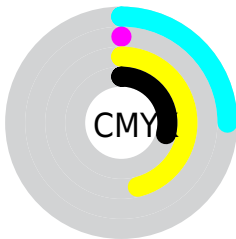
Blue (38%)



Red (38%)

Yellow (71%)

Blue (56%)

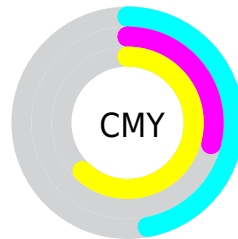


Cyan (25%)

Magenta (0%)

Yellow (46%)

Black (29%)



Cyan (47%)

Magenta (29%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87B562 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 87B562 by changing the saturation by 10% instead.





87B562



87B562

FFFFFF



6D9A49



BEED96



538031



DAFFB1



396718



F7FFCD



1F4E00



FFFFEA



033700



002300



000000



87B562



87B562



7DB550



91B574

 73B53E

 9BB586

 69B52C

 A5B598

 5FB51A

 AFB5AA

 55B507

 B9B5BD

 51B500

 C3B5CF

 CDB5E1

 D7B5F3

 E1B5FF

# Harmonies

## Analogous

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



B6AA4F



87B562



4ABC87

# Triad

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



87B562



00B5F8



FA849D

# Complementary

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



87B562



9062B5

# 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.



E889C8



87B562



77A8FD

# Square

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



87B562



00BCDD



BC98EC



F48C74

# Rectangle

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



87B562



00BEA5



BC98EC



F684AB



# Sweetspot

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



87B562



D8EBCA



B59062



6A7561



F5F5F5



757575



# Same Dimension

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



87B562



A3EB6A



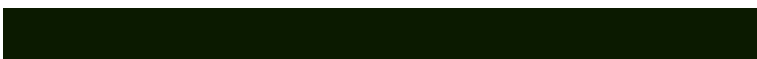
62B566



545950



449900



0B1A00



# Inverse Universe

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



9062B5



B16AEB



B562B1



555059



550099



0E001A



# Previews

## White Background



This preview shows how the Hex color 87B562 looks on a white background.

## Color Contrast Check

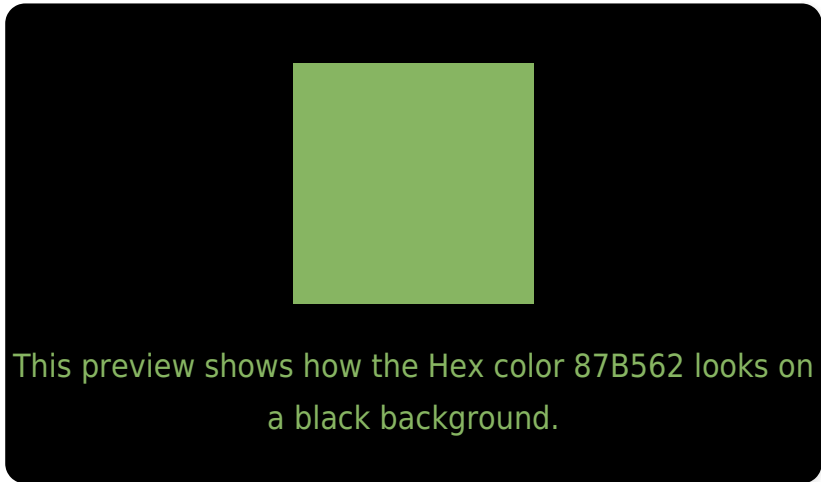
Large Text (above 18pt) WCAG AA × Fail

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 87B562 Background



This preview shows how black text looks on a background with the Hex color 87B562.

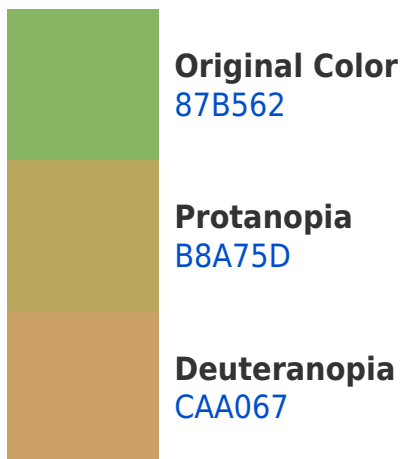


This preview shows how white text looks on a background with the Hex color 87B562.

# 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**  
94ABB9

# Trichromacy



**Original Color**  
87B562

**Protanomaly**  
A6AC5F

**Deuteranomaly**  
B2A865

**Tritanomaly**  
8FAF99

# Monochromacy



**Original Color**  
87B562

**Achromatopsia**  
9E9E9E

**Achromatomaly**  
96A688

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87B562 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 #87B562 looks like.

```
.text, #text, p{  
    color:#87B562  
}
```

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 #87B562 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87B562
}
```

## Border

The CSS property to change the border of an element to Hex 87B562 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
#87B562 }
```

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

```
.border{ border-color:#87B562 }
```

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

Here you see how a box with a 4 pixel #87B562 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87B562; -webkit-box-shadow:4px 4px  
4px 4px #87B562; box-shadow:4px 4px 4px  
4px #87B562 }
```

# Background

The CSS property to change the background color of an element to Hex 87B562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87B562 }
```

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

```
.background{ background-color:#87B562 }
```

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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