

# Converting Colors

Hex(87B268)

Have a look what the booklet for  
Hex(87B268) contains.

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**Color**

**Hex(87B268)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87B268
RGB	135, 178, 104
RGB Percent	53%, 70%, 41%
CMY	0.4706, 0.3020, 0.5922
CMYK	0.24, 0.00, 0.42, 0.30
HSL	95°, 32%, 55%
HSV	95°, 42%, 70%
XYZ	28.4108, 37.9912, 18.9323
YIQ	156.7070, -1.8740, -32.1300

# Conversions

## Conversions Part 2

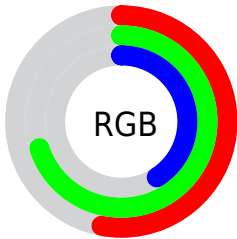
Format	Color
<a href="#">RYB</a>	<a href="#">104, 178, 147</a>
Decimal	<a href="#">8893032</a>
CIELab	<a href="#">68.01, -27.82, 33.22</a>
CIELCh	<a href="#">68, 43.331, 129.940</a>
Yxy	<a href="#">37.9912, 0.3329, 0.4452</a>
Android (android.graphics.Color)	<a href="#">4287083112 (0xFF87B268)</a>
YUV	<a href="#">156.7070, -25.9846, -19.0370</a>
Hunter-Lab	<a href="#">61.6370, -25.5875, 24.9344</a>

# Details

The Hex color **87B268** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9368B2**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **BEEA9C**, and **537D37** is the 20% darker color. If you saturate the color by 10%, you get **7DB256**, and if you desaturate by 10%, it is **91B27A**.

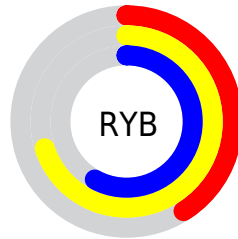
# Distribution



Red (53%)

Green (70%)

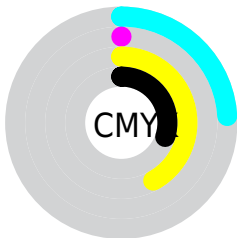
Blue (41%)



Red (41%)

Yellow (70%)

Blue (58%)

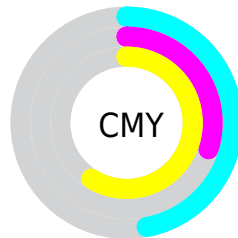


Cyan (24%)

Magenta (0%)

Yellow (42%)

Black (30%)



Cyan (47%)

Magenta (30%)

Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87B268 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 87B268 by changing the saturation by 10% instead.



 87B268

 87B268

FFFFFF

 6D974F

 BEEA9C

 537D37

 DAFFB7

 3A641F

 F7FFD3

 214C06

 FFFFF0

 083400

 002100

 000000

 87B268

 87B268

 7DB256

 91B27A

 72B244

 9CB28C

 68B233

 A6B29D

 5EB221

 B0B2AF

 53B20F

 BBB2C1

 4BB200

 C5B2D3

 CFB2E5

 DAB2F6

 E4B2FF

# Harmonies

## Analogous

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



B2A857



87B268



52B88A

# Triad

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



87B268



20B1EF



F0869A

# Complementary

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



87B268



9368B2

# 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.



E18AC1



87B268



7FA5F3

# Square

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



87B268



00B8D7



BA97E2



EB8D75

# Rectangle

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



87B268



17BAA4



BA97E2



EE86A7



# Sweetspot

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



87B268



D8E8CC



B29268



6C7565



F5F5F5



757575



# Same Dimension

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



87B268



A5E874



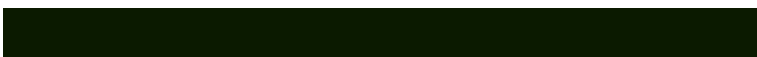
68B26D



545950



409900



0B1A00



# Inverse Universe

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



9368B2



B774E8



B268AD



565059



590099



0F001A



# Previews

## White Background



This preview shows how the Hex color 87B268 looks on a white background.

## Color Contrast Check

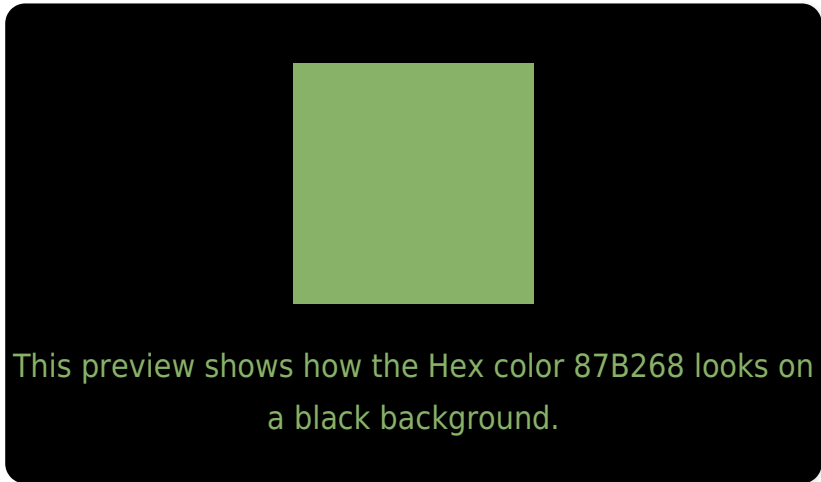
Large Text (above 18pt) WCAG AA × Fail

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

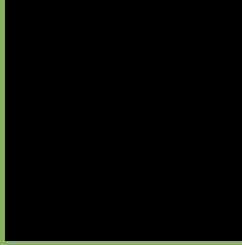
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 87B268 Background



This preview shows how black text looks on a background with the Hex color 87B268.



This preview shows how white text looks on a background with the Hex color 87B268.

# 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](#).

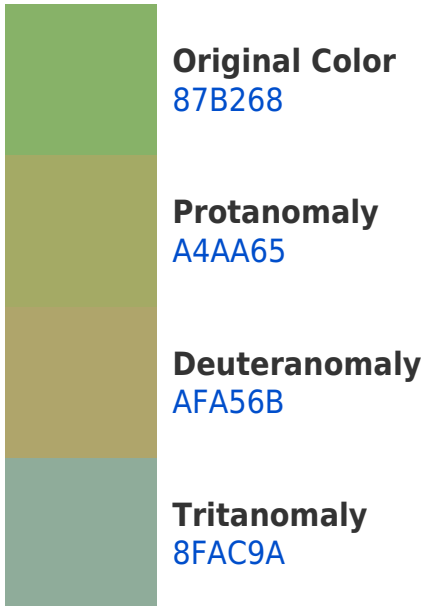
## Dichromacy



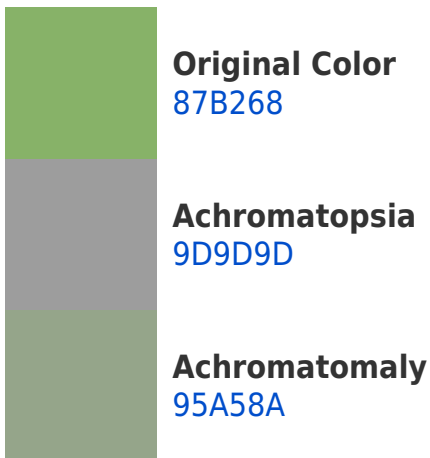


**Tritanopia**  
93A9B6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87B268 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 #87B268 looks like.

```
.text, #text, p{  
    color:#87B268  
}
```

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 #87B268 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87B268
}
```

## Border

The CSS property to change the border of an element to Hex 87B268 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
#87B268 }
```

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

```
.border{ border-color:#87B268 }
```

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

Here you see how a box with a 4 pixel #87B268 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87B268; -webkit-box-shadow:4px 4px  
4px 4px #87B268; box-shadow:4px 4px 4px  
4px #87B268 }
```

# Background

The CSS property to change the background color of an element to Hex 87B268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87B268 }
```

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

```
.background{ background-color:#87B268 }
```

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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