

Converting Colors

Hex(87AA41)

Have a look what the booklet for
Hex(87AA41) contains.

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Color

Hex(87AA41)

Conversions

Conversions Part 1

Format	Color
Hex	87AA41
RGB	135, 170, 65
RGB Percent	53%, 67%, 25%
CMY	0.4706, 0.3333, 0.7451
CMYK	0.21, 0.00, 0.62, 0.33
HSL	80°, 45%, 46%
HSV	80°, 62%, 67%
XYZ	25.3205, 34.2820, 10.2836
YIQ	147.5650, 12.8450, -40.0750

Conversions

Conversions Part 2

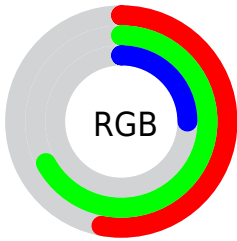
Format	Color
RYB	65, 170, 100
Decimal	8890945
CIELab	65.19, -28.22, 48.90
CIELCh	65, 56.453, 119.988
Yxy	34.2820, 0.3623, 0.4905
Android (android.graphics.Color)	4287081025 (0xFF87AA41)
YUV	147.5650, -40.7045, -11.0195
Hunter-Lab	58.5508, -25.2709, 30.5722

Details

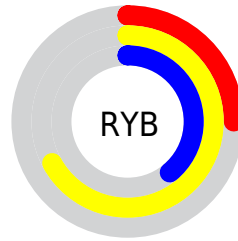
The Hex color **87AA41** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6441AA**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **BFE175**, and **527606** is the 20% darker color. If you saturate the color by 10%, you get **81AA30**, and if you desaturate by 10%, it is **8DAA52**.

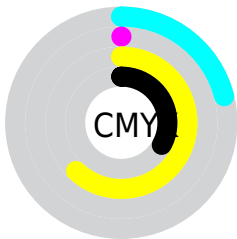
Distribution



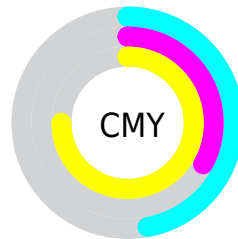
- Red (53%)
- Green (67%)
- Blue (25%)



- Red (25%)
- Yellow (67%)
- Blue (39%)



- Cyan (21%)
- Magenta (0%)
- Yellow (62%)
- Black (33%)



- Cyan (47%)
- Magenta (33%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Hex color 87AA41 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 87AA41 by changing the saturation by 10% instead.



87AA41



87AA41

FFFFFF



6C8F27



BFE175



527606



DBFE90



385D00



F8FFAB



1E4500



FFFFC7



002E00



FFFFE4



001B00



000000



87AA41



87AA41



81AA30



8DAA52

■ 7CAA1F

■ 92AA63

■ 76AA0E

■ 98AA74

■ 71AA00

■ 9EAA85

■ A3AA96

■ A9AAA7

■ AFAAB8

■ B4AAC9

■ BAAADA

Harmonies

Analogous

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



BA9C32



87AA41



40B369

Triad

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



87AA41



00B0F5



F871A0

Complementary

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



87AA41



6441AA

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.



DC7CD2



87AA41



20A4FF

Square

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



87AA41



00B6CF



9F91F6



F8776F

Rectangle

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



87AA41



00B68B



9F91F6



F273B1

Sweetspot

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



87AA41



D0DEB4



AA6441



687056



F0F0F0



707070

Same Dimension

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



87AA41



A7DE3A



52AA41



51544C



639400



0E1400

Inverse Universe

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



6441AA



703ADE



9941AA



4F4C54



310094



070014

Previews

White Background



This preview shows how the Hex color 87AA41 looks on a white background.

Color Contrast Check

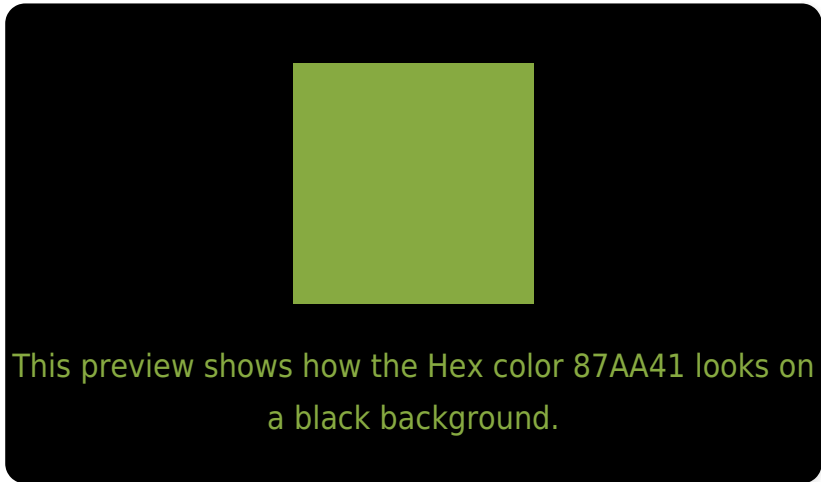
Large Text (above 18pt) WCAG AA × Fail

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 87AA41 Background



This preview shows how black text looks on a background with the Hex color 87AA41.



This preview shows how white text looks on a background with the Hex color 87AA41.

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

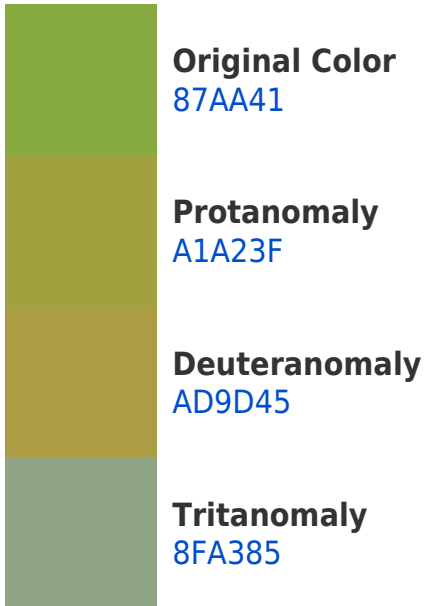


Original Color
87AA41

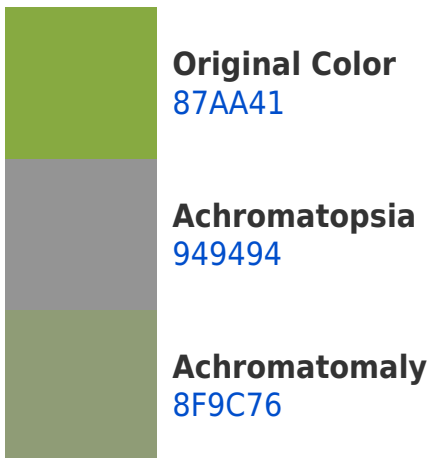
Protanopia
B09E3E

Deuteranopia
C39647

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 87AA41 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 #87AA41 looks like.

```
.text, #text, p{  
    color:#87AA41  
}
```

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 #87AA41 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87AA41
}
```

Border

The CSS property to change the border of an element to Hex 87AA41 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
#87AA41 }
```

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

```
.border{ border-color:#87AA41 }
```

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

Here you see how a box with a 4 pixel #87AA41 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87AA41; -webkit-box-shadow:4px 4px  
4px 4px #87AA41; box-shadow:4px 4px 4px  
4px #87AA41 }
```

Background

The CSS property to change the background color of an element to Hex 87AA41 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87AA41 }
```

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

```
.background{ background-color:#87AA41 }
```

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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