

# Converting Colors

Hex(87A21D)

Have a look what the booklet for  
Hex(87A21D) contains.

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**Color**

**Hex(87A21D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87A21D
RGB	135, 162, 29
RGB Percent	53%, 64%, 11%
CMY	0.4706, 0.3647, 0.8863
CMYK	0.17, 0.00, 0.82, 0.36
HSL	72°, 70%, 37%
HSV	72°, 82%, 64%
XYZ	23.1338, 31.0803, 5.9422
YIQ	138.7650, 26.6010, -47.0870

# Conversions

## Conversions Part 2

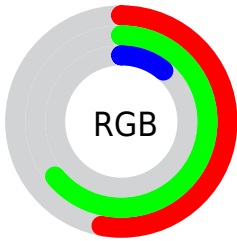
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	29, 162, 56
Decimal	8888861
CIE <sub>Lab</sub>	62.58, -26.51, 59.61
CIE <sub>LCh</sub>	63, 65.240, 113.972
Yxy	31.0803, 0.3846, 0.5167
Android (android.graphics.Color)	4287078941 (0xFF87A21D)
YUV	138.7650, -54.1141, -3.3019
Hunter-Lab	55.7497, -23.4919, 32.7052

# Details

The Hex color **87A21D** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **381DA2**, and the grayscale version is **8B8B8B**.

A 20% lighter version of the original color is **BFD957**, and **516E00** is the 20% darker color. If you saturate the color by 10%, you get **84A20D**, and if you desaturate by 10%, it is **8AA22D**.

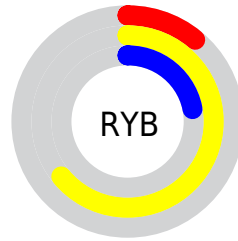
# Distribution



Red (53%)

Green (64%)

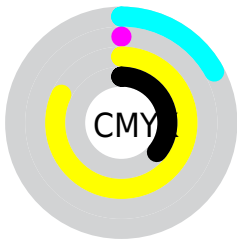
Blue (11%)



Red (11%)

Yellow (64%)

Blue (22%)

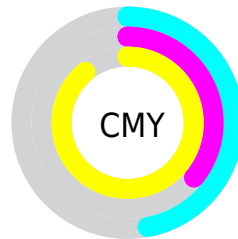


Cyan (17%)

Magenta (0%)

Yellow (82%)

Black (36%)



Cyan (47%)

Magenta (36%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87A21D 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 87A21D by changing the saturation by 10% instead.



 87A21D

 87A21D

FFFFFF

 6C8800

 BFD957

 516E00

 DCF572

 375600

 FAFF8D

 1B3E00

 FFFFA9

 002800

 FFFFC5

 001000

 FFFFE2

 000000

 87A21D

 87A21D

 84A20D

 8AA22D

■ 81A200

■ 8EA23D

■ 91A24E

■ 94A25E

■ 97A26E

■ 9BA27E

■ 9EA28E

■ A1A29F

■ A5A2AF

# Harmonies

## Analogous

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



BE910F



87A21D



35AD4F

# Triad

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



87A21D



00AEF4



F95FA6

# Complementary

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



87A21D



381DA2

# 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.



D273DC



87A21D



00A2FF

# Square

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



87A21D



00B2C5



818DFF



FE636C

# Rectangle

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



87A21D



00B175



818DFF



F064B9



# Sweetspot

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



87A21D



C9D49F



A2381D



656B4B



EBEBEB



6B6B6B



# Same Dimension

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



87A21D



A9D402



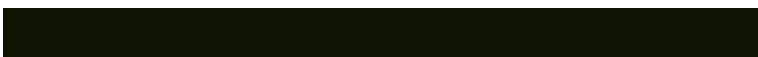
45A21D



505249



749100



0E1200



# Inverse Universe

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



381DA2



2D02D4



7A1DA2



4B4952



1E0091



040012



# Previews

## White Background



This preview shows how the Hex color 87A21D looks on a white background.

## Color Contrast Check

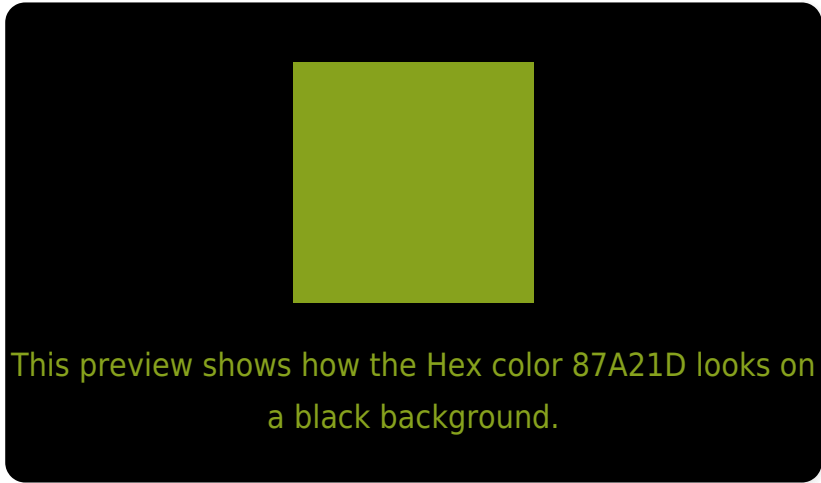
Large Text (above 18pt) WCAG AA × Fail

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 87A21D Background



This preview shows how black text looks on a background with the Hex color 87A21D.



This preview shows how white text looks on a background with the Hex color 87A21D.

# 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**  
87A21D

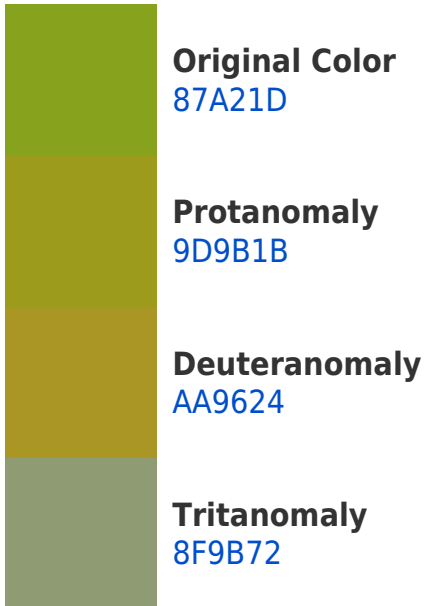
**Protanopia**  
AA971A

**Deuteranopia**  
BE8F28

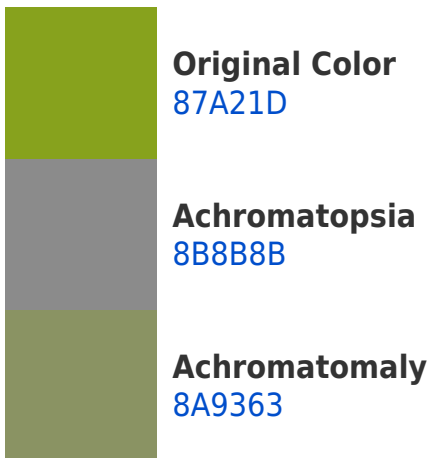


**Tritanopia**  
9497A3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87A21D 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 #87A21D looks like.

```
.text, #text, p{  
    color:#87A21D  
}
```

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 #87A21D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87A21D
}
```

## Border

The CSS property to change the border of an element to Hex 87A21D 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
#87A21D }
```

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

```
.border{ border-color:#87A21D }
```

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

Here you see how a box with a 4 pixel #87A21D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87A21D; -webkit-box-shadow:4px 4px  
4px 4px #87A21D; box-shadow:4px 4px 4px  
4px #87A21D }
```

# Background

The CSS property to change the background color of an element to Hex 87A21D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87A21D }
```

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

```
.background{ background-color:#87A21D }
```

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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