

Converting Colors

Hex(89D700)

Have a look what the booklet for
Hex(89D700) contains.

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Color

Hex(89D700)

Conversions

Conversions Part 1

Format	Color
Hex	89D700
RGB	137, 215, 0
RGB Percent	54%, 84%, 0%
CMY	0.4627, 0.1569, 1.0000
CMYK	0.36, 0.00, 1.00, 0.16
HSL	82°, 100%, 42%
HSV	82°, 100%, 84%
XYZ	34.6170, 53.9192, 8.5830
YIQ	167.1680, 22.5270, -83.4010

Conversions

Conversions Part 2

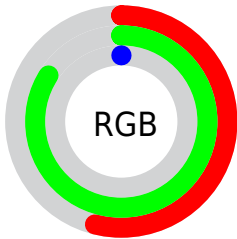
Format	Color
RYB	0, 215, 78
Decimal	9033472
CIELab	78.41, -49.89, 77.03
CIELCh	78, 91.774, 122.930
Yxy	53.9192, 0.3564, 0.5552
Android (android.graphics.Color)	4287223552 (0xFF89D700)
YUV	167.1680, -82.4138, -26.4573
Hunter-Lab	73.4297, -44.3518, 44.4706

Details

The Hex color **89D700** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **4E00D7**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **C4FF55**, and **4DA000** is the 20% darker color. If you saturate the color by 10%, you get **89D700**, and if you desaturate by 10%, it is **91D715**.

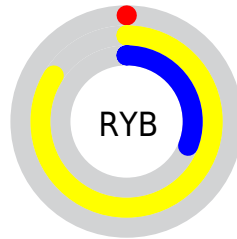
Distribution



Red (54%)

Green (84%)

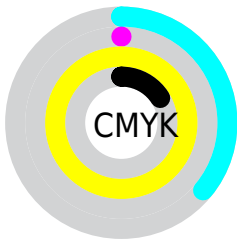
Blue (0%)



Red (0%)

Yellow (84%)

Blue (31%)

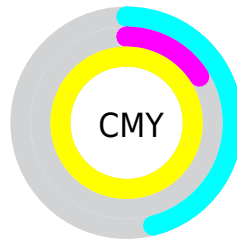


Cyan (36%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (46%)

Magenta (16%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 89D700 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 89D700 by changing the saturation by 10% instead.

 89D700

 89D700

FFFFFF

 6BBB00

 C4FF55

 4DA000

 E2FF73

 2C8500

 FFFF90

 006B00

 FFFFAD

 005200

 FFFFCA

 003A00

 FFFF E8

 002400

 000000

 89D700

 91D715

 99D72B

 A0D741

 A8D756

 B0D76C

 B8D781

 C0D797

 C7D7AC

 CFD7C2

Harmonies

Analogous

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



E1C100



89D700



00E36F

Triad

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



89D700



00DFFF



FF61BD

Complementary

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



89D700



4E00D7

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.



FF7CFF



89D700



00CAFF

Square

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



89D700



00E7FF



C9A7FF



FF776A

Rectangle

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



89D700



00E7AA



C9A7FF



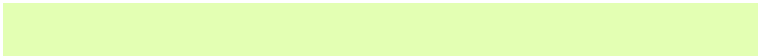
FF65DA

Sweetspot

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



89D700



E3FFB3



D74B00



6F8052



000000



808080

Same Dimension

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



89D700



A2FF00



20D700



676B60



6DAB00



1C2B00

Inverse Universe

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



4E00D7



5D00FF



B700D7



64606B



3E00AB



10002B

Previews

White Background



This preview shows how the Hex color 89D700 looks on a white background.

Color Contrast Check

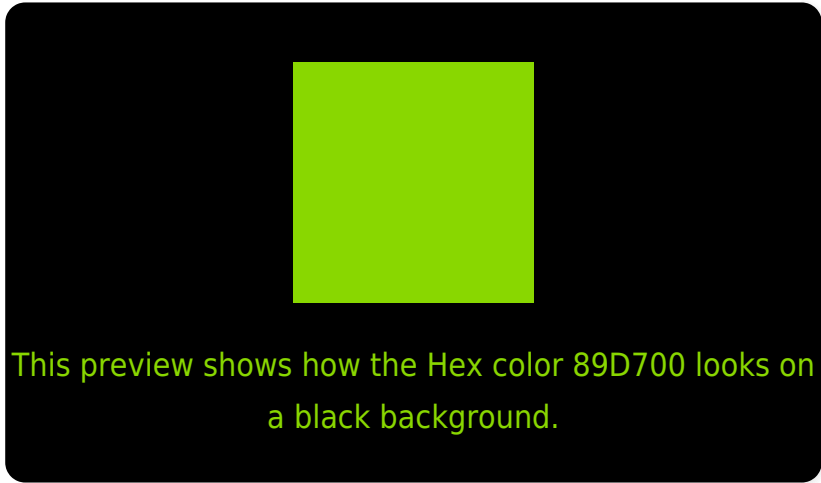
Large Text (above 18pt) WCAG AA × Fail

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 89D700 Background



This preview shows how black text looks on a background with the Hex color 89D700.



This preview shows how white text looks on a background with the Hex color 89D700.

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
89D700

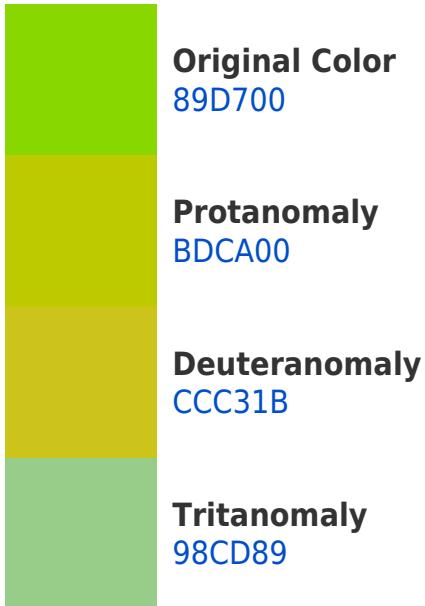
Protanopia
DAC200

Deuteranopia
F3B72A

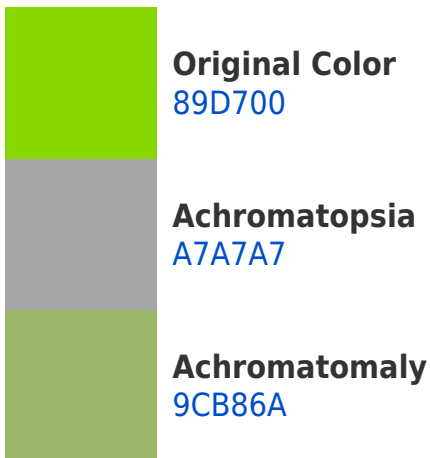


Tritanopia
A0C8D8

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 89D700 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 #89D700 looks like.

```
.text, #text, p{  
    color:#89D700  
}
```

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 #89D700 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #89D700
}
```

Border

The CSS property to change the border of an element to Hex 89D700 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
#89D700 }
```

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

```
.border{ border-color:#89D700 }
```

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

Here you see how a box with a 4 pixel #89D700 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #89D700; -webkit-box-shadow:4px 4px  
4px 4px #89D700; box-shadow:4px 4px 4px  
4px #89D700 }
```

Background

The CSS property to change the background color of an element to Hex 89D700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#89D700 }
```

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

```
.background{ background-color:#89D700 }
```

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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