

# Converting Colors

Hex(89B222)

Have a look what the booklet for  
Hex(89B222) contains.

<b>Hex(89B222)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(89B222)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89B222
RGB	137, 178, 34
RGB Percent	54%, 70%, 13%
CMY	0.4627, 0.3020, 0.8667
CMYK	0.23, 0.00, 0.81, 0.30
HSL	77°, 68%, 42%
HSV	77°, 81%, 70%
XYZ	26.5257, 37.2746, 7.3101
YIQ	149.3250, 21.7880, -53.4760

# Conversions

## Conversions Part 2

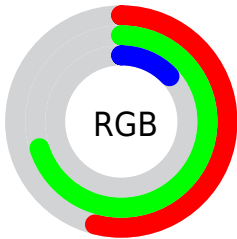
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 178, 75
Decimal	9024034
CIELab	67.48, -33.09, 62.65
CIELCh	67, 70.852, 117.843
Yxy	37.2746, 0.3730, 0.5242
Android (android.graphics.Color)	4287214114 (0xFF89B222)
YUV	149.3250, -56.8552, -10.8090
Hunter-Lab	61.0530, -29.2899, 35.6381

# Details

The Hex color **89B222** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **4B22B2**, and the grayscale version is **969696**.

A 20% lighter version of the original color is **C2EA5C**, and **527D00** is the 20% darker color. If you saturate the color by 10%, you get **84B210**, and if you desaturate by 10%, it is **8EB234**.

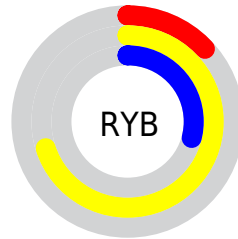
# Distribution



Red (54%)

Green (70%)

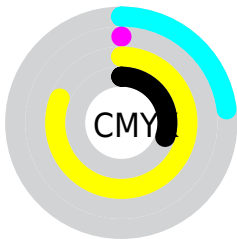
Blue (13%)



Red (13%)

Yellow (70%)

Blue (29%)

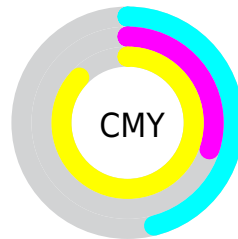


Cyan (23%)

Magenta (0%)

Yellow (81%)

Black (30%)



Cyan (46%)

Magenta (30%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 89B222 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 89B222 by changing the saturation by 10% instead.





89B222



89B222

FFFFFF



6D9700



C2EA5C



527D00



DFFF78



376400



FDF994



194C00



FFF9B0



003500



FFF9CC



002100



FFF9E9



000000



89B222



89B222



84B210



8EB234

 7FB200

 93B246

 98B257

 9DB269

 A2B27B

 A7B28D

 ACB29F

 B2B2B0

 B7B2C2

# Harmonies

## Analogous

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



C7A001



89B222



19BD5C

# Triad

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



89B222



00BCFF



FF64AC

# Complementary

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



89B222



4B22B2

# 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.



ED78E9



89B222



00ADFF

# Square

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



89B222



00C2DE



9A95FF



FF6C6D

# Rectangle

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



89B222



00C187



9A95FF



FF68C1



# Sweetspot

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



89B222



D8E8B0



B24B22



6C7553



F5F5F5



757575



# Same Dimension

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



89B222



A8E807



41B222



575950



6D9900



121A00



# Inverse Universe

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



4B22B2



4707E8



9322B2



535059



2C0099



07001A



# Previews

## White Background



This preview shows how the Hex color 89B222 looks on a white background.

## Color Contrast Check

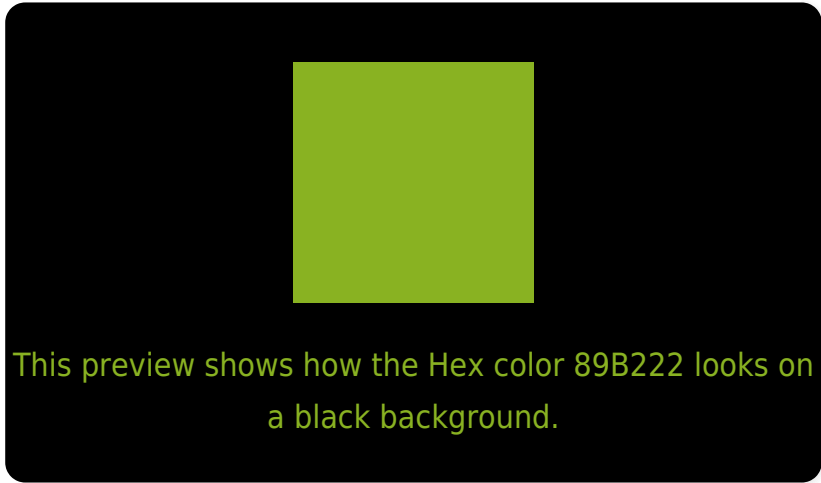
Large Text (above 18pt) WCAG AA × Fail

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 89B222 Background



This preview shows how black text looks on a background with the Hex color 89B222.

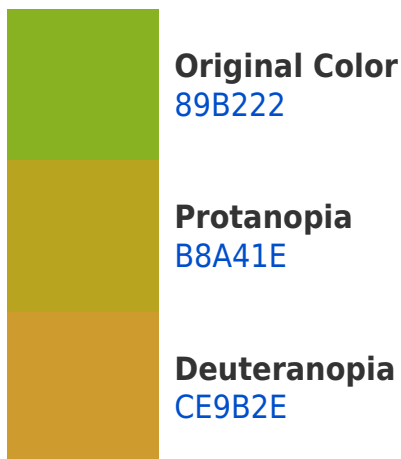


This preview shows how white text looks on a background with the Hex color 89B222.

# 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**  
98A6B3

# Trichromacy



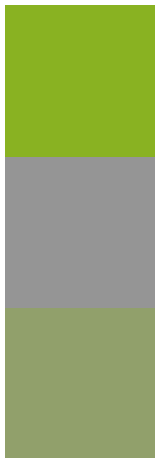
**Original Color**  
89B222

**Protanomaly**  
A7A91F

**Deuteranomaly**  
B5A32A

**Tritanomaly**  
93AA7E

# Monochromacy



**Original Color**  
89B222

**Achromatopsia**  
959595

**Achromatomaly**  
91A06B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 89B222 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 #89B222 looks like.

```
.text, #text, p{  
    color:#89B222  
}
```

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 #89B222 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #89B222
}
```

## Border

The CSS property to change the border of an element to Hex 89B222 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
#89B222 }
```

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

```
.border{ border-color:#89B222 }
```

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

Here you see how a box with a 4 pixel #89B222 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #89B222; -webkit-box-shadow:4px 4px  
4px 4px #89B222; box-shadow:4px 4px 4px  
4px #89B222 }
```

# Background

The CSS property to change the background color of an element to Hex 89B222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#89B222 }
```

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

```
.background{ background-color:#89B222 }
```

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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