

# Converting Colors

Hex(789A22)

Have a look what the booklet for  
Hex(789A22) contains.

<b>Hex(789A22)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(789A22)**

# Conversions

## Conversions Part 1

Format	Color
Hex	789A22
RGB	120, 154, 34
RGB Percent	47%, 60%, 13%
CMY	0.5294, 0.3961, 0.8667
CMYK	0.22, 0.00, 0.78, 0.40
HSL	77°, 64%, 37%
HSV	77°, 78%, 60%
XYZ	19.5901, 27.2198, 5.7348
YIQ	130.1540, 18.2560, -44.5280

# Conversions

## Conversions Part 2

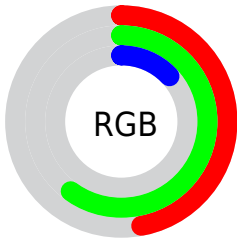
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 154, 68
Decimal	7903778
CIE <sub>Lab</sub>	59.18, -28.69, 54.65
CIE <sub>LCh</sub>	59, 61.720, 117.700
Yxy	27.2198, 0.3728, 0.5180
Android (android.graphics.Color)	4286093858 (0xFF789A22)
YUV	130.1540, -47.4039, -8.9051
Hunter-Lab	52.1726, -24.2778, 30.0036

# Details

The Hex color **789A22** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **44229A**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **AFD159**, and **436700** is the 20% darker color. If you saturate the color by 10%, you get **749A13**, and if you desaturate by 10%, it is **7C9A31**.

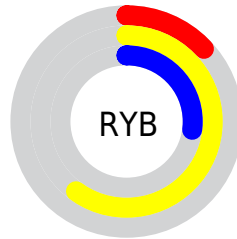
# Distribution



Red (47%)

Green (60%)

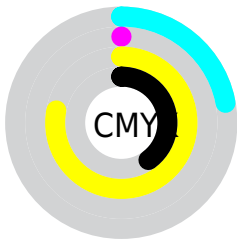
Blue (13%)



Red (13%)

Yellow (60%)

Blue (27%)

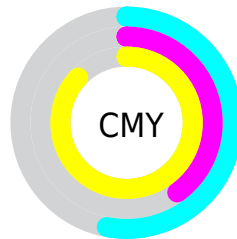


Cyan (22%)

Magenta (0%)

Yellow (78%)

Black (40%)



Cyan (53%)

Magenta (40%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 789A22 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 789A22 by changing the saturation by 10% instead.



 789A22

 789A22

FFFFFF

 5D8000

 AFD159

 436700

 CCED73

 294E00

 E9FF8F

 0A3700

 FFFFAA

 002300

 FFFFC6

 000000

 FFFF E3

 789A22

 789A22

 749A13

 7C9A31

■ 6F9A03

■ 819A41

■ 6E9A00

■ 859A50

■ 899A60

■ 8E9A6F

■ 929A7E

■ 979A8E

■ 9B9A9D

■ 9F9AAD

# Harmonies

## Analogous

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



AD8A0E



789A22



21A351

# Triad

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



789A22



00A2EA



EC5995

# Complementary

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



789A22



44229A

# 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.



CC69C9



789A22



0096FB

# Square

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



789A22



00A7BF



8682EF



ED605F

# Rectangle

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



789A22



00A776



8682EF



E55DA7



# Sweetspot

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



789A22



BCC99B



9A4422



5E6649



E6E6E6



666666



# Same Dimension

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



789A22



94C90C



3C9A22



4A4D45



658C00



090D00



# Inverse Universe

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



44229A



420CC9



80229A



47454D



28008C



04000D



# Previews

## White Background



This preview shows how the Hex color 789A22 looks on a white background.

## Color Contrast Check

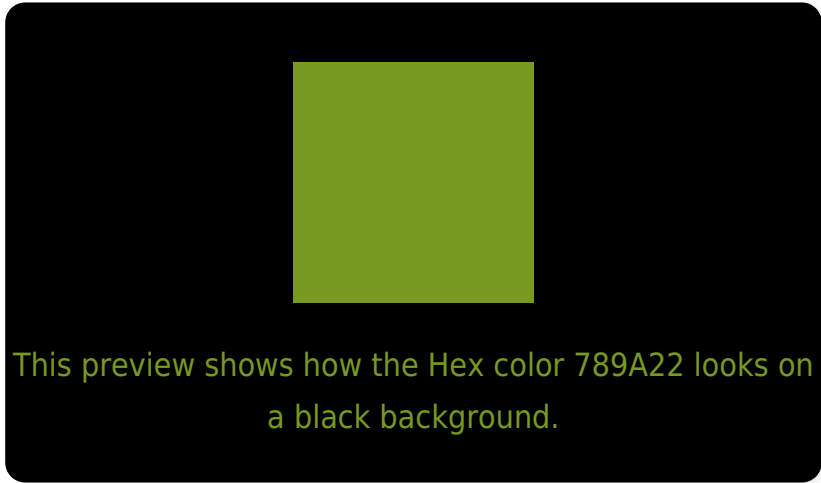
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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



## Hex 789A22 Background



This preview shows how black text looks on a background with the Hex color 789A22.

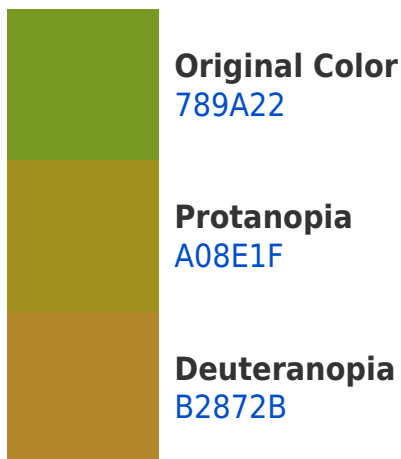


This preview shows how white text looks on a background with the Hex color 789A22.

# 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](#).

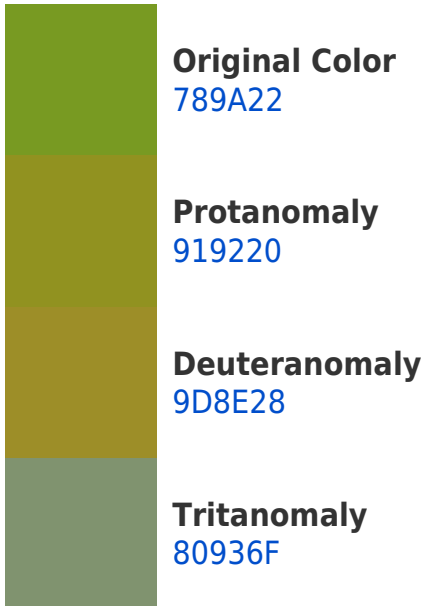
## Dichromacy



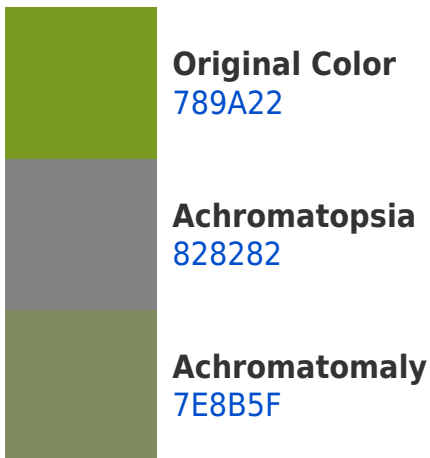


**Tritanopia**  
858F9B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 789A22 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 #789A22 looks like.

```
.text, #text, p{  
    color:#789A22  
}
```

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 #789A22 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #789A22
}
```

## Border

The CSS property to change the border of an element to Hex 789A22 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
#789A22 }
```

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

```
.border{ border-color:#789A22 }
```

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

Here you see how a box with a 4 pixel #789A22 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #789A22; -webkit-box-shadow:4px 4px  
4px 4px #789A22; box-shadow:4px 4px 4px  
4px #789A22 }
```

# Background

The CSS property to change the background color of an element to Hex 789A22 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#789A22 }
```

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

```
.background{ background-color:#789A22 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor