

# Converting Colors

Hex(7B8C22)

Have a look what the booklet for  
Hex(7B8C22) contains.

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**Color**

**Hex(7B8C22)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7B8C22
RGB	123, 140, 34
RGB Percent	48%, 55%, 13%
CMY	0.5176, 0.4510, 0.8667
CMYK	0.12, 0.00, 0.76, 0.45
HSL	70°, 61%, 34%
HSV	70°, 76%, 55%
XYZ	17.8352, 23.0826, 5.0287
YIQ	122.8330, 23.8940, -36.5700

# Conversions

## Conversions Part 2

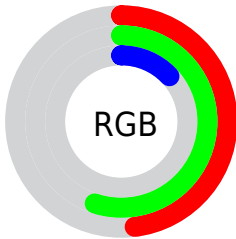
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 140, 51
Decimal	8096802
CIELab	55.16, -20.46, 50.93
CIELCh	55, 54.884, 111.887
Yxy	23.0826, 0.3882, 0.5024
Android (android.graphics.Color)	4286286882 (0xFF7B8C22)
YUV	122.8330, -43.7947, 0.1465
Hunter-Lab	48.0444, -17.8143, 27.4252

# Details

The Hex color **7B8C22** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **33228C**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **B2C257**, and **465A00** is the 20% darker color. If you saturate the color by 10%, you get **798C14**, and if you desaturate by 10%, it is **7D8C30**.

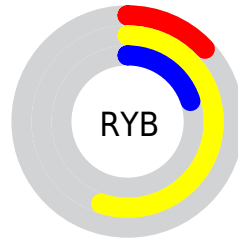
# Distribution



Red (48%)

Green (55%)

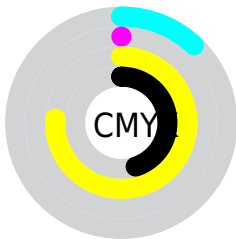
Blue (13%)



Red (13%)

Yellow (55%)

Blue (20%)

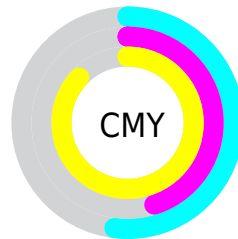


Cyan (12%)

Magenta (0%)

Yellow (76%)

Black (45%)



Cyan (52%)

Magenta (45%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B8C22 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 7B8C22 by changing the saturation by 10% instead.





7B8C22



7B8C22

FFFFFF



607300



B2C257



465A00



CFDD71



2D4300



ECFA8C



132C00



FFFFA7



001A00



FFFFC3



000000



FFFFE0



FFFFFD



7B8C22



7B8C22

 798C14

 7D8C30

 778C06

 7F8C3E

 768C00

 828C4C

 848C5A

 868C68

 888C76

 8B8C84

 8D8C92

 8F8CA0

# Harmonies

## Analogous

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



A87D1D



7B8C22



3E9546

# Triad

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



7B8C22



0097CE



D35993

# Complementary

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



7B8C22



33228C

# 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.



B168BF



7B8C22



008DE2

# Square

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



7B8C22



009BA6



6D7DDD



DA5A63

# Rectangle

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



7B8C22



009965



6D7DDD



CB5CA3



# Sweetspot

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



7B8C22



AEB58B



8C3222



585C42



DBDBDB



5C5C5C



# Same Dimension

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



7B8C22



9BB510



478C22



44453E



6F8500



040500



# Inverse Universe

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



33228C



2B10B5



67228C



3F3E45



150085



010005



# Previews

## White Background



This preview shows how the Hex color 7B8C22 looks on a white background.

## Color Contrast Check

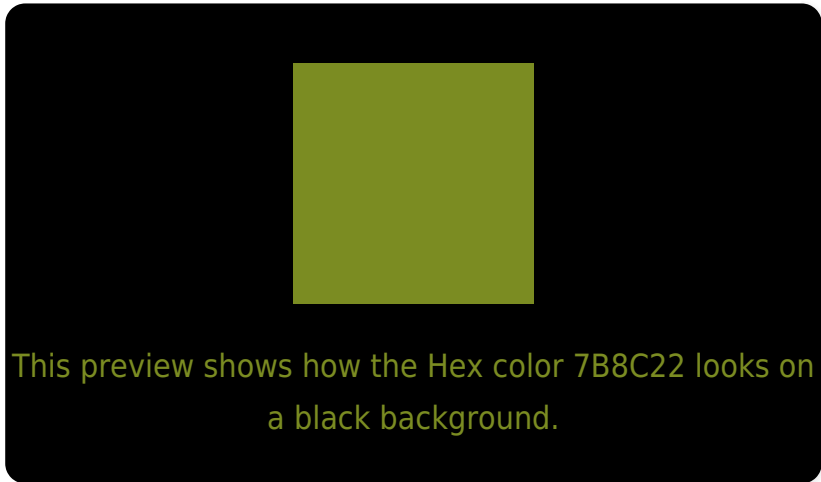
Large Text (above 18pt) WCAG AA ✓ Pass

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 7B8C22 Background



This preview shows how black text looks on a background with the Hex color 7B8C22.

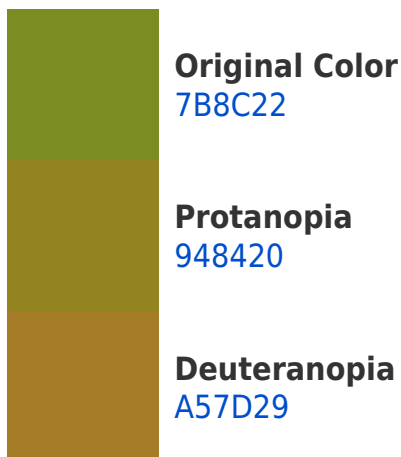



This preview shows how white text looks on a background with the Hex color 7B8C22.

# 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](#).

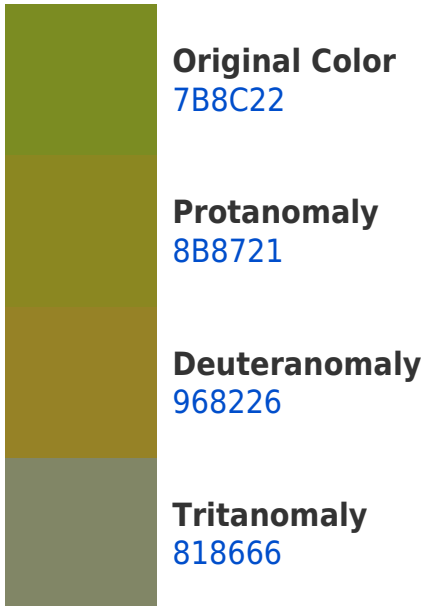
## Dichromacy





**Tritanopia**  
85838D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B8C22 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 #7B8C22 looks like.

```
.text, #text, p{  
    color:#7B8C22  
}
```

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 #7B8C22 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B8C22
}
```

## Border

The CSS property to change the border of an element to Hex 7B8C22 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
#7B8C22 }
```

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

```
.border{ border-color:#7B8C22 }
```

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

Here you see how a box with a 4 pixel #7B8C22 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B8C22; -webkit-box-shadow:4px 4px  
4px 4px #7B8C22; box-shadow:4px 4px 4px  
4px #7B8C22 }
```

# Background

The CSS property to change the background color of an element to Hex 7B8C22 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B8C22 }
```

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

```
.background{ background-color:#7B8C22 }
```

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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