

# Converting Colors

Hex(93B72C)

Have a look what the booklet for  
Hex(93B72C) contains.

<b>Hex(93B72C)</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(93B72C)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93B72C
RGB	147, 183, 44
RGB Percent	58%, 72%, 17%
CMY	0.4235, 0.2824, 0.8275
CMYK	0.20, 0.00, 0.76, 0.28
HSL	76°, 61%, 45%
HSV	76°, 76%, 72%
XYZ	29.4207, 40.2519, 8.6016
YIQ	156.3900, 23.1630, -50.8610

# Conversions

## Conversions Part 2

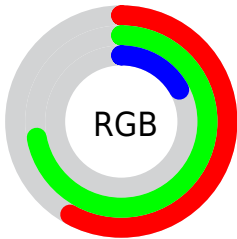
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">44, 183, 80</a>
Decimal	<a href="#">9680684</a>
CIELab	<a href="#">69.65, -30.95, 61.85</a>
CIELCh	<a href="#">70, 69.164, 116.581</a>
Yxy	<a href="#">40.2519, 0.3759, 0.5142</a>
Android (android.graphics.Color)	<a href="#">4287870764</a> ( <a href="#">0xFF93B72C</a> )
YUV	<a href="#">156.3900, -55.4083, -8.2350</a>
Hunter-Lab	<a href="#">63.4444, -28.2527, 36.3727</a>

# Details

The Hex color **93B72C** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **502CB7**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **CCEF64**, and **5C8200** is the 20% darker color. If you saturate the color by 10%, you get **8EB71A**, and if you desaturate by 10%, it is **98B73E**.

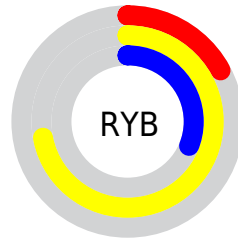
# Distribution



Red (58%)

Green (72%)

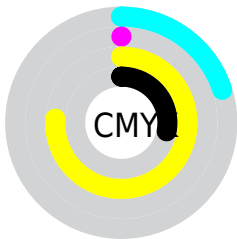
Blue (17%)



Red (17%)

Yellow (72%)

Blue (31%)

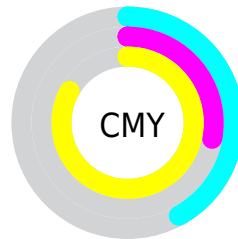


Cyan (20%)

Magenta (0%)

Yellow (76%)

Black (28%)



Cyan (42%)

Magenta (28%)

Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 93B72C 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 93B72C by changing the saturation by 10% instead.



 93B72C

 93B72C

FFFFFF

 779C02

 CCEF64

 5C8200

 E9FF80

 416900

 FFFF9C

 255000

 FFFF80

 033900

 FFFFD4

 002400

 FFFFF2

 000000

 93B72C

 93B72C

 8EB71A

 98B73E

 8AB707

 9CB751

 88B700

 A1B763

 A6B775

 ABB788

 AFB79A

 B4B7AC

 B9B7BE

 BEB7D1

# Harmonies

## Analogous

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



D0A519



93B72C



36C261

# Triad

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



93B72C



00C2FF



FF6EB4

# Complementary

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



93B72C



502CB7

# 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.



EF81F0



93B72C



00B4FF

# Square

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



93B72C



00C7E1



9D9DFF



FF7476

# Rectangle

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



93B72C



00C68B



9D9DFF



FF72C9



# Sweetspot

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



93B72C



DFEDB7



B74F2C



6F7856



F7F7F7



787878



# Same Dimension

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



93B72C



B5ED15



4FB72C



595C53



739C00



151C00



# Inverse Universe

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



502CB7



4D15ED



942CB7



55535C



28009C



07001C



# Previews

## White Background



This preview shows how the Hex color 93B72C looks on a white background.

## Color Contrast Check

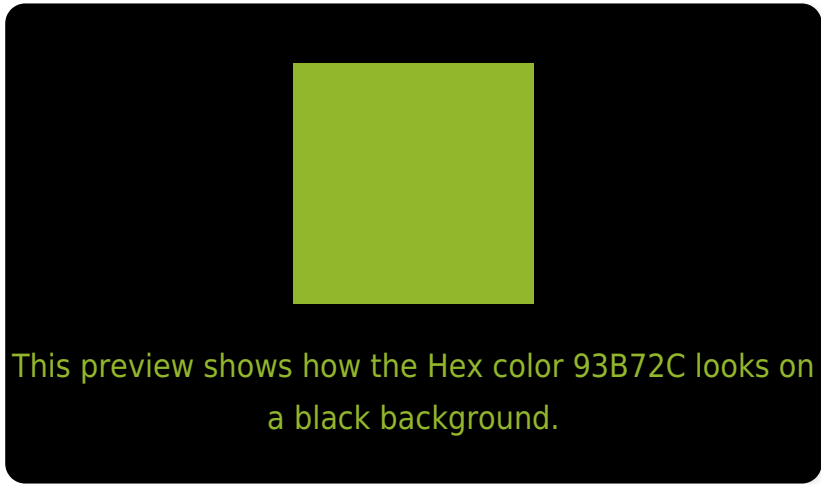
Large Text (above 18pt) WCAG AA × Fail

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 93B72C Background



This preview shows how black text looks on a background with the Hex color 93B72C.

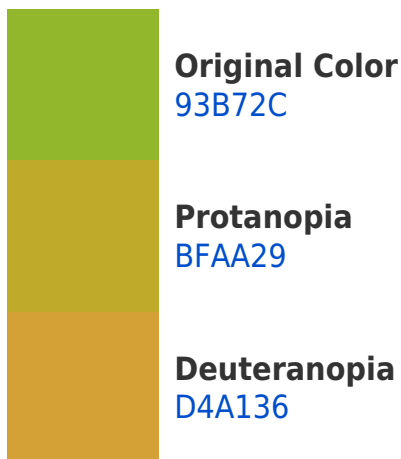


This preview shows how white text looks on a background with the Hex color 93B72C.

# 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**  
A2ABB8

# Trichromacy



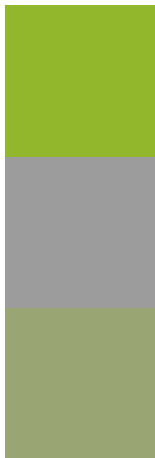
**Original Color**  
93B72C

**Protanomaly**  
AFAF2A

**Deuteranomaly**  
BCA932

**Tritanomaly**  
9DAF85

# Monochromacy



**Original Color**  
93B72C

**Achromatopsia**  
9C9C9C

**Achromatomaly**  
99A673

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 93B72C 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 #93B72C looks like.

```
.text, #text, p{  
    color:#93B72C  
}
```

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 #93B72C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #93B72C
}
```

## Border

The CSS property to change the border of an element to Hex 93B72C 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
#93B72C }
```

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

```
.border{ border-color:#93B72C }
```

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

Here you see how a box with a 4 pixel #93B72C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #93B72C; -webkit-box-shadow:4px 4px  
4px 4px #93B72C; box-shadow:4px 4px 4px  
4px #93B72C }
```

# Background

The CSS property to change the background color of an element to Hex 93B72C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#93B72C }
```

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

```
.background{ background-color:#93B72C }
```

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