

# Converting Colors

Hex(93B200)

Have a look what the booklet for  
Hex(93B200) contains.

<b>Hex(93B200)</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(93B200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93B200
RGB	147, 178, 0
RGB Percent	58%, 70%, 0%
CMY	0.4235, 0.3020, 1.0000
CMYK	0.17, 0.00, 1.00, 0.30
HSL	70°, 100%, 35%
HSV	70°, 100%, 70%
XYZ	27.9530, 38.0438, 5.8699
YIQ	148.4390, 38.6620, -61.9300

# Conversions

## Conversions Part 2

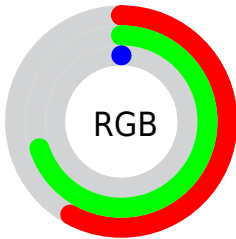
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 178, 31
Decimal	9679360
CIELab	68.05, -29.79, 69.37
CIELCh	68, 75.492, 113.242
Yxy	38.0438, 0.3890, 0.5294
Android (android.graphics.Color)	4287869440 (0xFF93B200)
YUV	148.4390, -73.1804, -1.2620
Hunter-Lab	61.6797, -27.0439, 37.5333

# Details

The Hex color **93B200** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **1F00B2**, and the grayscale version is **959595**.

A 20% lighter version of the original color is **CDEA4E**, and **5B7D00** is the 20% darker color. If you saturate the color by 10%, you get **93B200**, and if you desaturate by 10%, it is **96B212**.

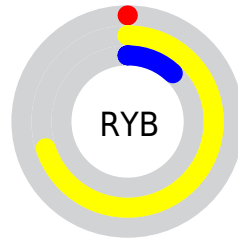
# Distribution



Red (58%)

Green (70%)

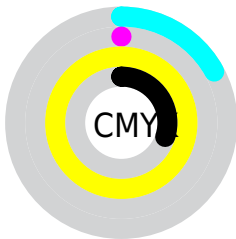
Blue (0%)



Red (0%)

Yellow (70%)

Blue (12%)

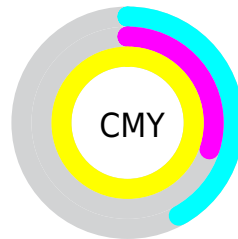


Cyan (17%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (42%)

Magenta (30%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 93B200 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 93B200 by changing the saturation by 10% instead.



 93B200

 93B200

FFFFFF

 779700

 CDEA4E

 5B7D00

 E AFF6A

 406400

 FFFF86

 234C00

 FFFFA3

 023500

 FFFFBF

 002100

 FFFFDC

 000000

 FFFFFA

 93B200

 96B212

 99B224

 9CB235

 9FB247

 A3B259

 A6B26B

 A9B27D

 ACB28E

 AFB2A0

# Harmonies

## Analogous

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



D39D00



93B200



2CBE4E

# Triad

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



93B200



00C0FF



FF60B8

# Complementary

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



93B200



1F00B2

# 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.



E97AF8



93B200



00B3FF

# Square

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



93B200



00C5DA



859AFF



FF6574

# Rectangle

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



93B200



00C37C



859AFF



FF67CF



# Sweetspot

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



93B200



DCE8A2



B21E00



6E754B



F5F5F5



757575



# Same Dimension

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



93B200



C0E800



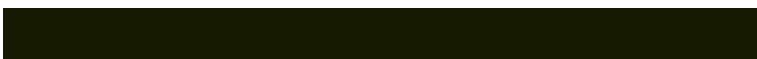
3BB200



585950



7E9900



151A00



# Inverse Universe

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



1F00B2



2800E8



7700B2



525059



1B0099



04001A



# Previews

## White Background



This preview shows how the Hex color 93B200 looks on a white background.

## Color Contrast Check

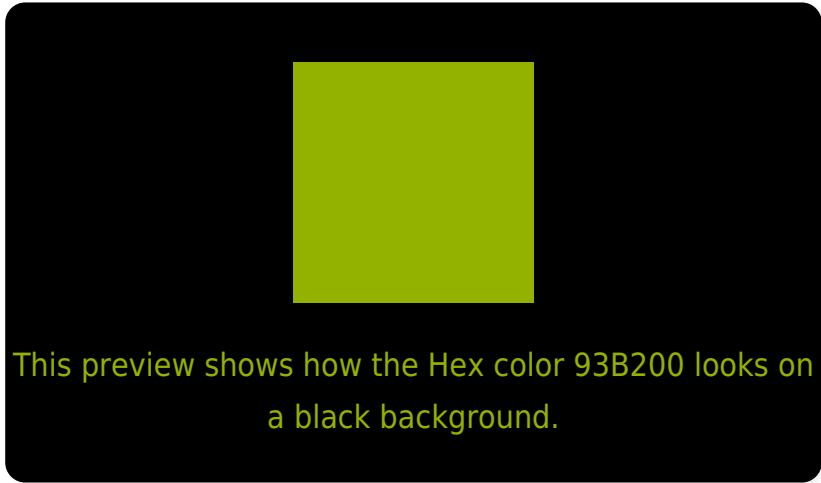
Large Text (above 18pt) WCAG AA × Fail

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 93B200 Background



This preview shows how black text looks on a background with the Hex color 93B200.



This preview shows how white text looks on a background with the Hex color 93B200.

# 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**  
93B200

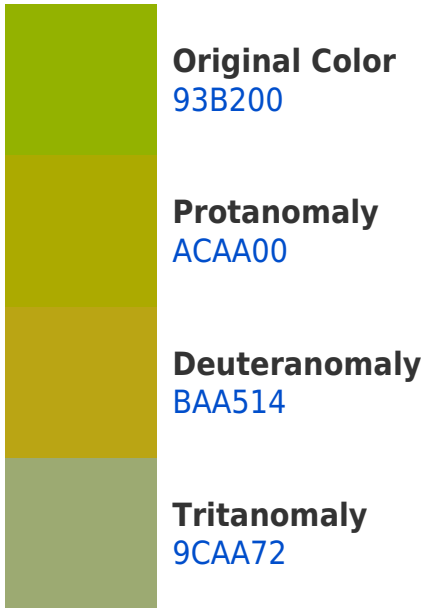
**Protanopia**  
BBA600

**Deuteranopia**  
D19D1F



**Tritanopia**  
A1A5B3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 93B200 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 #93B200 looks like.

```
.text, #text, p{  
    color:#93B200  
}
```

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 #93B200 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #93B200
}
```

## Border

The CSS property to change the border of an element to Hex 93B200 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
#93B200 }
```

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

```
.border{ border-color:#93B200 }
```

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

Here you see how a box with a 4 pixel #93B200 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #93B200; -webkit-box-shadow:4px 4px  
4px 4px #93B200; box-shadow:4px 4px 4px  
4px #93B200 }
```

# Background

The CSS property to change the background color of an element to Hex 93B200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#93B200 }
```

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

```
.background{ background-color:#93B200 }
```

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