

Converting Colors

Hex(9BC233)

Have a look what the booklet for
Hex(9BC233) contains.

Hex(9BC233)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(9BC233)

Conversions

Conversions Part 1

Format	Color
Hex	9BC233
RGB	155, 194, 51
RGB Percent	61%, 76%, 20%
CMY	0.3922, 0.2392, 0.8000
CMYK	0.20, 0.00, 0.74, 0.24
HSL	76°, 58%, 48%
HSV	76°, 74%, 76%
XYZ	33.4069, 45.7912, 10.2098
YIQ	166.0370, 22.6590, -52.7410

Conversions

Conversions Part 2

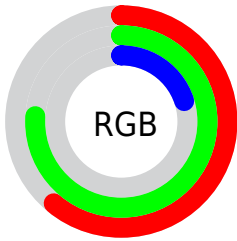
Format	Color
RYB	51, 194, 90
Decimal	10207795
CIELab	73.41, -32.53, 63.29
CIELCh	73, 71.162, 117.199
Yxy	45.7912, 0.3736, 0.5122
Android (android.graphics.Color)	4288397875 (0xFF9BC233)
YUV	166.0370, -56.7132, -9.6794
Hunter-Lab	67.6692, -30.2992, 38.4228

Details

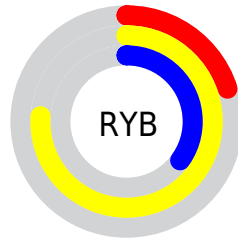
The Hex color **9BC233** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **5A33C2**, and the grayscale version is **A7A7A7**.

A 20% lighter version of the original color is **D5FB6B**, and **638C00** is the 20% darker color. If you saturate the color by 10%, you get **96C220**, and if you desaturate by 10%, it is **A0C246**.

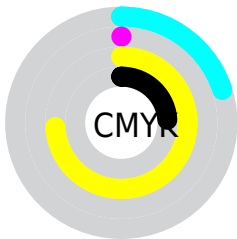
Distribution



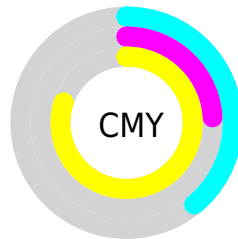
- Red (61%)
- Green (76%)
- Blue (20%)



- Red (20%)
- Yellow (76%)
- Blue (35%)



- Cyan (20%)
- Magenta (0%)
- Yellow (74%)
- Black (24%)



- Cyan (39%)
- Magenta (24%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Hex color 9BC233 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 9BC233 by changing the saturation by 10% instead.



9BC233



9BC233

FFFFFF



7FA70E



D5FB6B



638C00



F2FF87



487300



FFFFA3



2D5A00



FFFFBF



0C4200



FFFDC



002B00



FFFFF9



001400



000000



9BC233



9BC233

■ 96C220

■ A0C246

■ 90C20C

■ A6C25A

■ 8DC200

■ ABC26D

■ B0C281

■ B5C294

■ BBC2A7

■ C0C2BB

■ C5C2CE

■ CBC2E2

Harmonies

Analogous

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



DBAF1F



9BC233



39CD6A

Triad

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



9BC233



00CCFF



FF76BD

Complementary

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



9BC233



5A33C2

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.



FD89FC



9BC233



00BEFF

Square

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



9BC233



00D3EE



A9A6FF



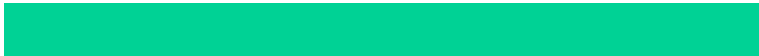
FF7D7D

Rectangle

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



9BC233



00D295



A9A6FF



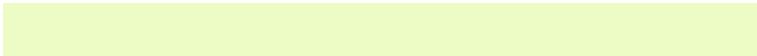
FF7AD3

Sweetspot

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



9BC233



EDFCC5



C25933



76805E



000000



808080

Same Dimension

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



9BC233



C0FC1E



54C233



5E6157



75A100



182100

Inverse Universe

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



5A33C2



5B1EFC



A133C2



5A5761



2C00A1



090021

Previews

White Background



This preview shows how the Hex color 9BC233 looks on a white background.

Color Contrast Check

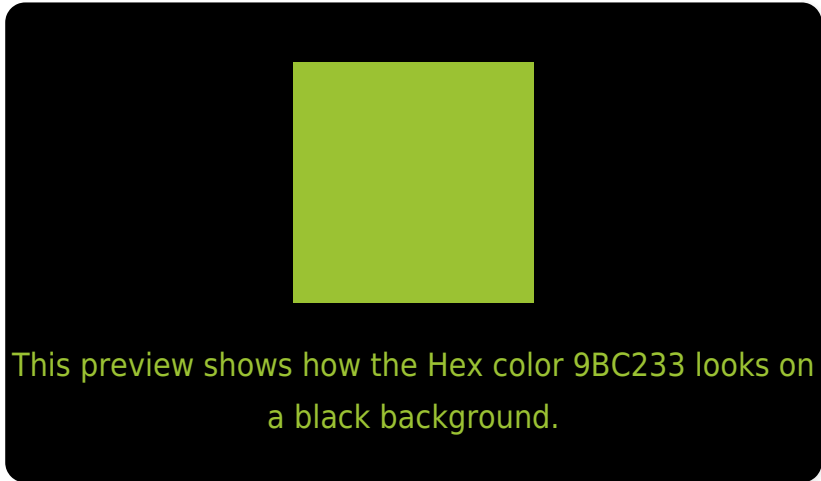
Large Text (above 18pt) WCAG AA × Fail

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 9BC233 Background



This preview shows how black text looks on a background with the Hex color 9BC233.

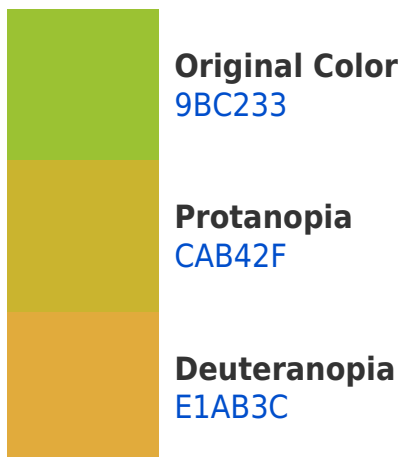


This preview shows how white text looks on a background with the Hex color 9BC233.

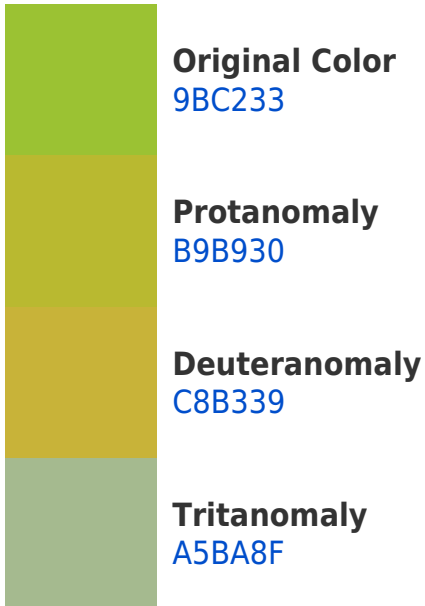
Color Blindness Simulation

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](#).

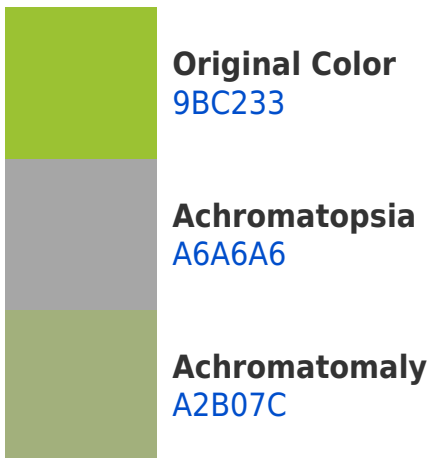
Dichromacy



Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 9BC233 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 #9BC233 looks like.

```
.text, #text, p{  
    color:#9BC233  
}
```

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 #9BC233 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9BC233  
}
```

Border

The CSS property to change the border of an element to Hex 9BC233 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  
#9BC233 }
```

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

```
.border{ border-color:#9BC233 }
```

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

Here you see how a box with a 4 pixel #9BC233 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9BC233; -webkit-box-shadow:4px 4px  
4px 4px #9BC233; box-shadow:4px 4px 4px  
4px #9BC233 }
```

Background

The CSS property to change the background color of an element to Hex 9BC233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9BC233 }
```

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

```
.background{ background-color:#9BC233 }
```

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