

Converting Colors

Hex(9BED33)

Have a look what the booklet for
Hex(9BED33) contains.

| | |
|--|----|
| Hex(9BED33) | 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(9BED33)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9BED33 |
| RGB | 155, 237, 51 |
| RGB Percent | 61%, 93%, 20% |
| CMY | 0.3922, 0.0706, 0.8000 |
| CMYK | 0.35, 0.00, 0.78, 0.07 |
| HSL | 86°, 84%, 56% |
| HSV | 86°, 78%, 93% |
| XYZ | 44.3993, 67.7760, 13.8739 |
| YIQ | 191.2780, 10.8340, -75.2300 |

Conversions

Conversions Part 2

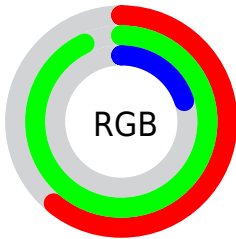
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 51, 237, 133 |
| Decimal | 10218803 |
| CIELab | 85.89, -51.24, 75.04 |
| CIELCh | 86, 90.866, 124.329 |
| Yxy | 67.7760, 0.3522, 0.5377 |
| Android (android.graphics.Color) | 4288408883 (0xFF9BED33) |
| YUV | 191.2780, -69.1571, -31.8158 |
| Hunter-Lab | 82.3262, -47.8040, 47.6365 |

Details

The Hex color **9BED33** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **8533ED**, and the grayscale version is **C0C0C0**.

A 20% lighter version of the original color is **D6FF70**, and **60B500** is the 20% darker color. If you saturate the color by 10%, you get **91ED1B**, and if you desaturate by 10%, it is **A5ED4B**.

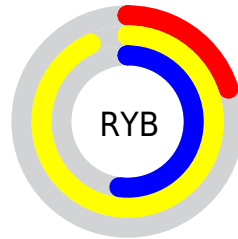
Distribution



Red (61%)

Green (93%)

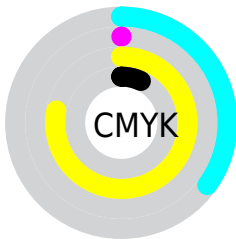
Blue (20%)



Red (20%)

Yellow (93%)

Blue (52%)

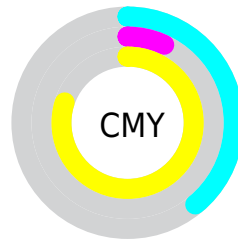


Cyan (35%)

Magenta (0%)

Yellow (78%)

Black (7%)



Cyan (39%)

Magenta (7%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Hex color 9BED33 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 9BED33 by changing the saturation by 10% instead.

 9BED33

 9BED33

FFFFFF

 7ED000

 D6FF70

 60B500

 F5FF8D

 419900

 FFFFAA

 1C7F00

 FFFFC7

 006500

 FFFFEE5

 004C00

 003400

 001D00

 000000

 9BED33

 9BED33

 91ED1B

 A5ED4B

 86ED04

 B0ED62

 85ED00

 BAED7A

 C5ED92

 CFEDA9

 DAEDC1

 E4EDD9

 EFEDF1

 F9EDFF

Harmonies

Analogous

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



F4D700



9BED33



00F988

Triad

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



9BED33



00F3FF



FF7CCE

Complementary

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



9BED33



8533ED

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.



FF91FF



9BED33



00DDFF

Square

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



9BED33



00DFFF



E7BAFF



FF907B

Rectangle

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



9BED33



00FDC3



E7BAFF



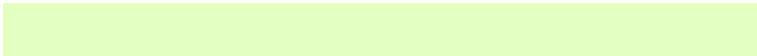
FF7FEB

Sweetspot

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



9BED33



E4FFC2



ED8433



6F805B



000000



808080

Same Dimension

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



9BED33



95FF0F



3FED33



70756A



65B500



1E3600

Inverse Universe

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



8533ED



790FFF



E133ED



6F6A75



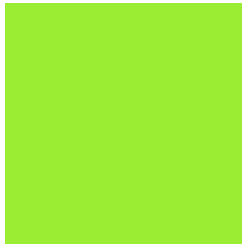
5000B5



180036

Previews

White Background



This preview shows how the Hex color 9BED33 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



This preview shows how the Hex color 9BED33 looks on a 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 9BED33 Background



This preview shows how black text looks on a background with the Hex color 9BED33.

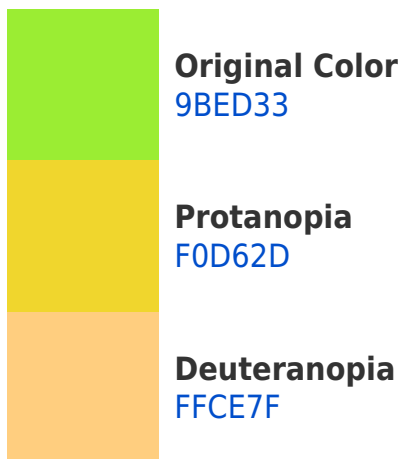


This preview shows how white text looks on a background with the Hex color 9BED33.

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



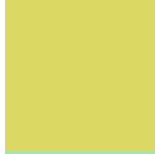
Trichromacy



Original Color
9BED33



Protanomaly
D1DE2F



Deuteranomaly
DBD963

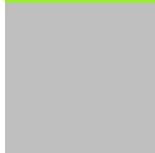


Tritanomaly
AAE3AA

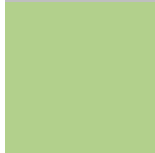
Monochromacy



Original Color
9BED33



Achromatopsia
BFBFBF



Achromatomaly
B2D08C

CSS Examples

Text

The CSS property to change the color of the text to Hex 9BED33 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 #9BED33 looks like.

```
.text, #text, p{  
    color:#9BED33  
}
```

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 #9BED33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9BED33
}
```

Border

The CSS property to change the border of an element to Hex 9BED33 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
#9BED33 }
```

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

```
.border{ border-color:#9BED33 }
```

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

Here you see how a box with a 4 pixel #9BED33 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9BED33; -webkit-box-shadow:4px 4px  
4px 4px #9BED33; box-shadow:4px 4px 4px  
4px #9BED33 }
```

Background

The CSS property to change the background color of an element to Hex 9BED33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9BED33 }
```

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

```
.background{ background-color:#9BED33 }
```

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