

# Converting Colors

Hex(9BD537)

Have a look what the booklet for  
Hex(9BD537) contains.

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**Color**

**Hex(9BD537)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BD537
RGB	155, 213, 55
RGB Percent	61%, 84%, 22%
CMY	0.3922, 0.1647, 0.7843
CMYK	0.27, 0.00, 0.74, 0.16
HSL	82°, 65%, 53%
HSV	82°, 74%, 84%
XYZ	38.0014, 54.8329, 12.1954
YIQ	177.6460, 16.1500, -61.4340

# Conversions

## Conversions Part 2

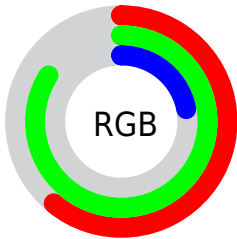
<b>Format</b>	<b>Color</b>
<b>RYB</b>	55, 213, 113
Decimal	10212663
CIELab	78.94, -40.90, 67.29
CIELCh	79, 78.745, 121.290
Yxy	54.8329, 0.3618, 0.5221
Android (android.graphics.Color)	4288402743 (0xFF9BD537)
YUV	177.6460, -60.4645, -19.8605
Hunter-Lab	74.0492, -37.9816, 42.0698

# Details

The Hex color **9BD537** 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 **7137D5**, and the grayscale version is **B2B2B2**.

A 20% lighter version of the original color is **D5FF71**, and **629E00** is the 20% darker color. If you saturate the color by 10%, you get **93D522**, and if you desaturate by 10%, it is **A3D54C**.

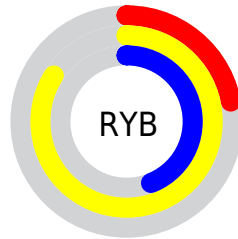
# Distribution



Red (61%)

Green (84%)

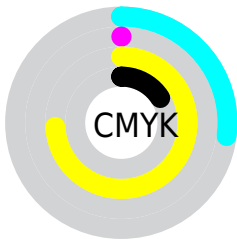
Blue (22%)



Red (22%)

Yellow (84%)

Blue (44%)

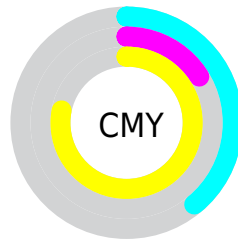


Cyan (27%)

Magenta (0%)

Yellow (74%)

Black (16%)



Cyan (39%)

Magenta (16%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9BD537 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 9BD537 by changing the saturation by 10% instead.





9BD537



9BD537

FFFFFF



7FB912



D5FF71



629E00



F3FF8D



468400



FFFFA9



296A00



FFFFC6



005100



FFFFE3



003900



002500



000000



9BD537



9BD537

 93D522

 A3D54C

 8BD50C

 ABD562

 87D500

 B2D577

 BAD58C

 C2D5A2

 CAD5B7

 D2D5CC

 DAD5E1

 E1D5F7

# Harmonies

## Analogous

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



E5C110



9BD537



00E179

# Triad

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



9BD537



00DDFF



FF7BC3

# Complementary

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



9BD537



7137D5

# 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.



FF8EFF



9BD537



00CBFF

# Square

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



9BD537



00E5FF



C7AFFE



FF877C

# Rectangle

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



9BD537



00E5AB



C7AFFF



FF7EDC

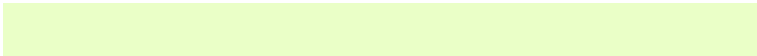


# Sweetspot

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



9BD537



EAFFC7



D57137



73805E



000000



808080



# Same Dimension

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



9BD537



ACFF1C



4CD537



676B60



6CAB00



1B2B00



# Inverse Universe

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



7137D5



6F1CFF



C037D5



64606B



3F00AB



10002B



# Previews

## White Background



This preview shows how the Hex color 9BD537 looks on a white background.

## Color Contrast Check

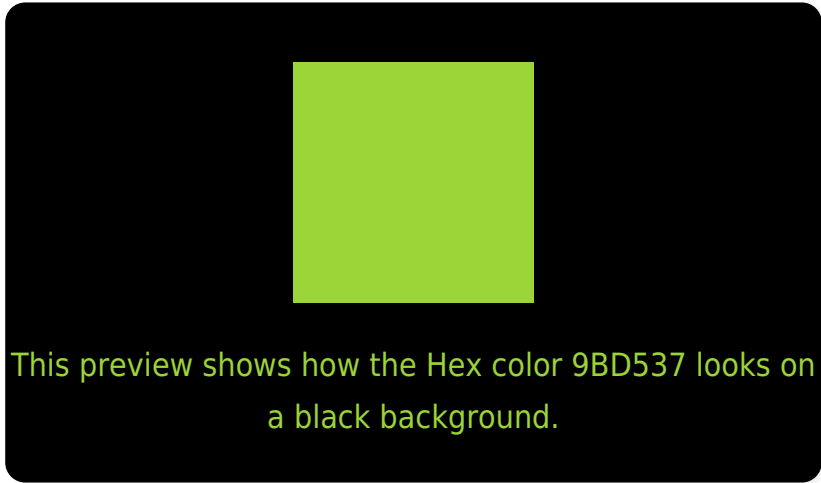
Large Text (above 18pt) WCAG AA × Fail

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 9BD537 Background



This preview shows how black text looks on a background with the Hex color 9BD537.

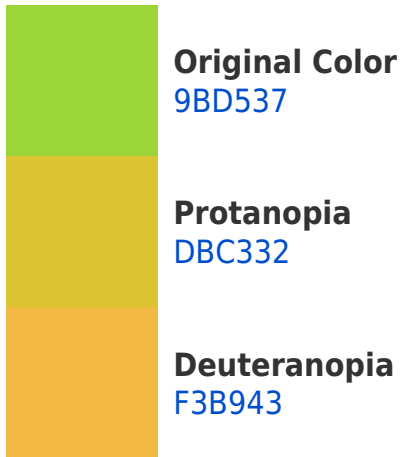


This preview shows how white text looks on a background with the Hex color 9BD537.

# 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**  
9BD537



**Protanomaly**  
C4CA34



**Deuteranomaly**  
D3C33F



**Tritanomaly**  
A7CC9C

# Monochromacy



**Original Color**  
9BD537



**Achromatopsia**  
B2B2B2



**Achromatomaly**  
AABF85

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9BD537 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 #9BD537 looks like.

```
.text, #text, p{  
    color:#9BD537  
}
```

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 #9BD537 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9BD537
}
```

## Border

The CSS property to change the border of an element to Hex 9BD537 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
#9BD537 }
```

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

```
.border{ border-color:#9BD537 }
```

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

Here you see how a box with a 4 pixel #9BD537 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9BD537; -webkit-box-shadow:4px 4px  
4px 4px #9BD537; box-shadow:4px 4px 4px  
4px #9BD537 }
```

# Background

The CSS property to change the background color of an element to Hex 9BD537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9BD537 }
```

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

```
.background{ background-color:#9BD537 }
```

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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