

# Converting Colors

Hex(90B337)

Have a look what the booklet for  
Hex(90B337) contains.

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**Color**

**Hex(90B337)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90B337
RGB	144, 179, 55
RGB Percent	56%, 70%, 22%
CMY	0.4353, 0.2980, 0.7843
CMYK	0.20, 0.00, 0.69, 0.30
HSL	77°, 53%, 46%
HSV	77°, 69%, 70%
XYZ	28.3113, 38.4453, 9.5430
YIQ	154.3990, 18.9440, -45.9840

# Conversions

## Conversions Part 2

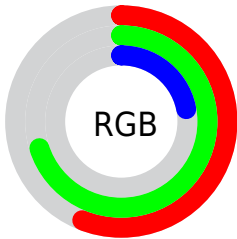
<b>Format</b>	<b>Color</b>
<b>RYB</b>	55, 179, 90
Decimal	9483063
CIELab	68.35, -29.65, 56.59
CIELCh	68, 63.883, 117.650
Yxy	38.4453, 0.3711, 0.5039
Android (android.graphics.Color)	4287673143 (0xFF90B337)
YUV	154.3990, -49.0037, -9.1199
Hunter-Lab	62.0043, -27.0041, 34.2778

# Details

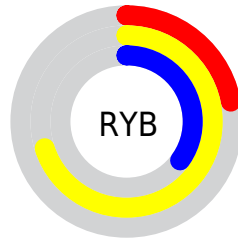
The Hex color **90B337** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5A37B3**, and the grayscale version is **9B9B9B**.

A 20% lighter version of the original color is **C9EB6D**, and **5A7E00** is the 20% darker color. If you saturate the color by 10%, you get **8BB325**, and if you desaturate by 10%, it is **95B349**.

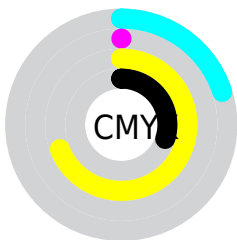
# Distribution



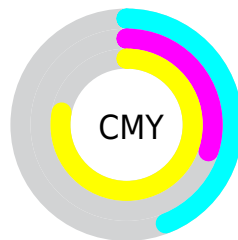
- Red (56%)
- Green (70%)
- Blue (22%)



- Red (22%)
- Yellow (70%)
- Blue (35%)



- Cyan (20%)
- Magenta (0%)
- Yellow (69%)
- Black (30%)



- Cyan (44%)
- Magenta (30%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 90B337 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 90B337 by changing the saturation by 10% instead.





90B337



90B337

FFFFFF



759819



C9EB6D



5A7E00



E6FF88



3F6500



FFFFA4



244D00



FFFFC0



033600



FFFFDC



002200



FFFFF9



000000



90B337



90B337



8BB325



95B349

 86B313

 9AB35B

 81B301

 9FB36D

 80B300

 A4B37F

 A9B391

 AEB3A2

 B3B3B4

 B8B3C6

 BDB3D8

# Harmonies

## Analogous

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



C9A227



90B337



3DBD66

# Triad

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



90B337



00BCFF



FF71AE

# Complementary

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



90B337



5A37B3

# 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.



E880E5



90B337



00AFFF

# Square

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



90B337



00C2DB



9F99FF



FF7775

# Rectangle

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



90B337



00C18C



9F99FF



FF74C1



# Sweetspot

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



90B337



DAE8B7



B35837



6D7558



F5F5F5



757575



# Same Dimension

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



90B337



B2E827



54B337



575950



6E9900



121A00



# Inverse Universe

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



5A37B3



5E27E8



9637B3



535059



2B0099



07001A



# Previews

## White Background



This preview shows how the Hex color 90B337 looks on a white background.

## Color Contrast Check

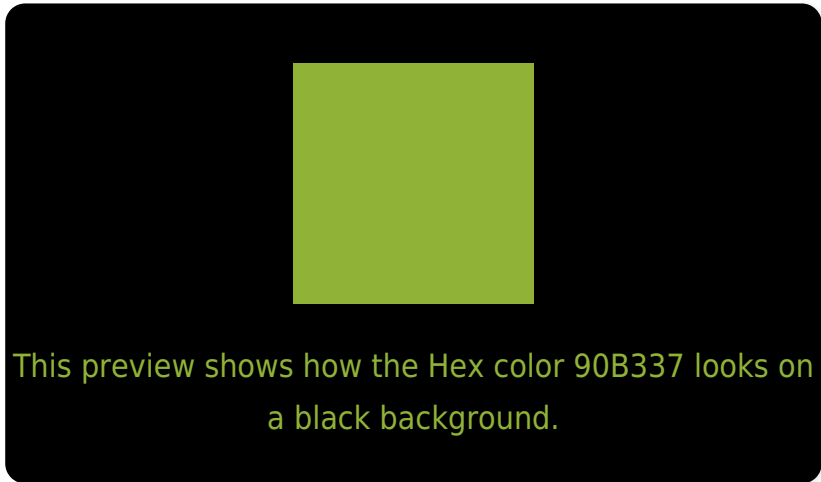
Large Text (above 18pt) WCAG AA × Fail

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 90B337 Background



This preview shows how black text looks on a background with the Hex color 90B337.



This preview shows how white text looks on a background with the Hex color 90B337.

# 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**  
90B337

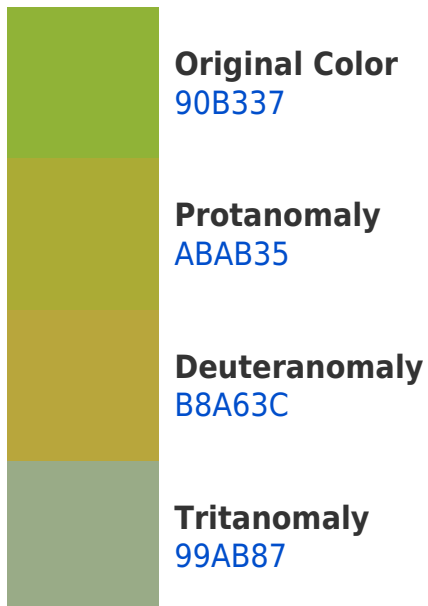
**Protanopia**  
BAA734

**Deuteranopia**  
CF9E3F

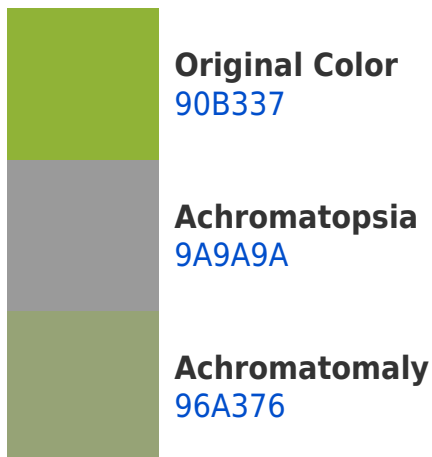


**Tritanopia**  
9EA7B4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 90B337 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 #90B337 looks like.

```
.text, #text, p{  
    color:#90B337  
}
```

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 #90B337 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #90B337
}
```

## Border

The CSS property to change the border of an element to Hex 90B337 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
#90B337 }
```

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

```
.border{ border-color:#90B337 }
```

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

Here you see how a box with a 4 pixel #90B337 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #90B337; -webkit-box-shadow:4px 4px  
4px 4px #90B337; box-shadow:4px 4px 4px  
4px #90B337 }
```

# Background

The CSS property to change the background color of an element to Hex 90B337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#90B337 }
```

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

```
.background{ background-color:#90B337 }
```

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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