

# Converting Colors

Hex(90A233)

Have a look what the booklet for  
Hex(90A233) contains.

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**Color**

**Hex(90A233)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 90A233                      |
| RGB         | 144, 162, 51                |
| RGB Percent | 56%, 64%, 20%               |
| CMY         | 0.4353, 0.3647, 0.8000      |
| CMYK        | 0.11, 0.00, 0.69, 0.36      |
| HSL         | 70°, 52%, 42%               |
| HSV         | 70°, 69%, 64%               |
| XYZ         | 25.0195, 32.0090, 7.9917    |
| YIQ         | 143.9640, 24.9030, -38.3370 |

# Conversions

## Conversions Part 2

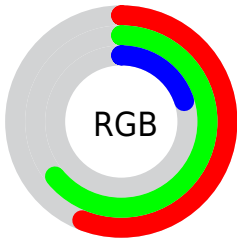
| <b>Format</b>                       | <b>Color</b>                                   |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">51, 162, 69</a>                    |
| Decimal                             | <a href="#">9478707</a>                        |
| CIELab                              | <a href="#">63.35, -21.58, 53.07</a>           |
| CIELCh                              | <a href="#">63, 57.294, 112.132</a>            |
| Yxy                                 | <a href="#">32.0090, 0.3848,<br/>0.4923</a>    |
| Android<br>(android.graphics.Color) | <a href="#">4287668787<br/>(0xFF90A233)</a>    |
| YUV                                 | <a href="#">143.9640, -45.8313,<br/>0.0316</a> |
| Hunter-Lab                          | <a href="#">56.5765, -20.0718,<br/>31.2286</a> |

# Details

The Hex color **90A233** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4533A2**, and the grayscale version is **909090**.

A 20% lighter version of the original color is **C8D968**, and **5A6E00** is the 20% darker color. If you saturate the color by 10%, you get **8DA223**, and if you desaturate by 10%, it is **93A243**.

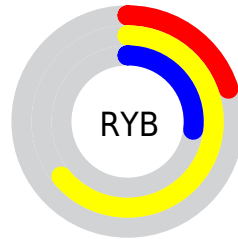
# Distribution



Red (56%)

Green (64%)

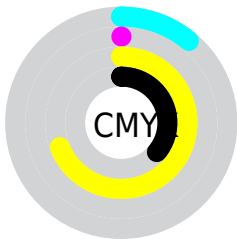
Blue (20%)



Red (20%)

Yellow (64%)

Blue (27%)

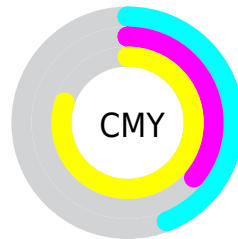


Cyan (11%)

Magenta (0%)

Yellow (69%)

Black (36%)



Cyan (44%)

Magenta (36%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 90A233 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 90A233 by changing the saturation by 10% instead.





90A233



90A233

FFFFFF



758815



C8D968



5A6E00



E5F583



415600



FFFF9E



273F00



FFFFBA



0C2900



FFFFD6



001400



FFFFF3



000000



90A233



90A233



8DA223



93A243

■ 8BA213

■ 95A253

■ 88A202

■ 98A264

■ 88A200

■ 9BA274

■ 9DA284

■ A0A294

■ A2A2A4

■ A5A2B5

■ A8A2C5

# Harmonies

## Analogous

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



C0922D



90A233



50AC58

# Triad

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



90A233



00AEE9



EF6CA9

# Complementary

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



90A233



4533A2

# 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.



CA7CD9



90A233



00A3FE

# Square

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



90A233



00B2BE



8391F8



F6E76

# Rectangle

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



90A233



00B078



8391F8



E670BA



# Sweetspot

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



90A233



CCD4A7



A24433



676B50



EBEBEB



6B6B6B



# Same Dimension

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



90A233



B8D426



5AA233



505249



7A9100



0F1200



# Inverse Universe

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



4533A2



4226D4



7B33A2



4B4952



180091



030012



# Previews

## White Background



This preview shows how the Hex color 90A233 looks on a white background.

## Color Contrast Check

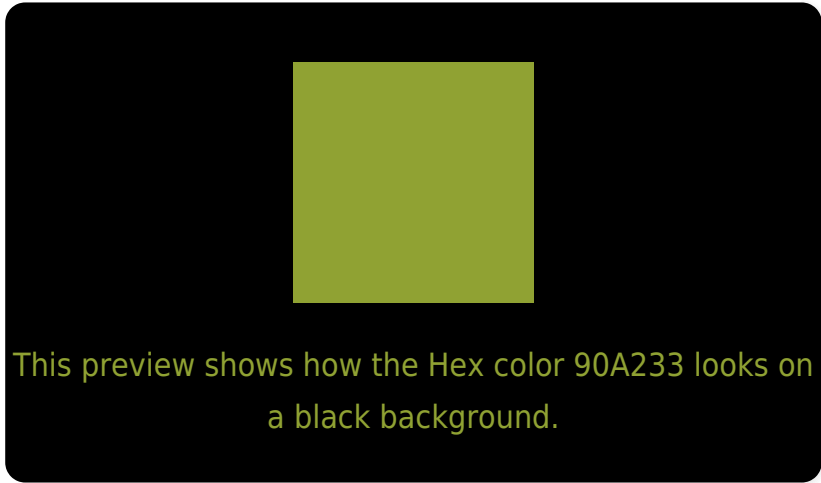
Large Text (above 18pt) WCAG AA × Fail

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 90A233 Background



This preview shows how black text looks on a background with the Hex color 90A233.



This preview shows how white text looks on a background with the Hex color 90A233.

# 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





**Tritanopia**  
9B97A3

# Trichromacy



**Original Color**  
90A233

**Protanomaly**  
A19C32

**Deuteranomaly**  
AE9737

**Tritanomaly**  
979B7A

# Monochromacy



**Original Color**  
90A233

**Achromatopsia**  
909090

**Achromatomaly**  
90976E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 90A233 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 #90A233 looks like.

```
.text, #text, p{  
    color:#90A233  
}
```

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 #90A233 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #90A233
}
```

## Border

The CSS property to change the border of an element to Hex 90A233 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
#90A233 }
```

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

```
.border{ border-color:#90A233 }
```

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

Here you see how a box with a 4 pixel #90A233 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #90A233; -webkit-box-shadow:4px 4px  
4px 4px #90A233; box-shadow:4px 4px 4px  
4px #90A233 }
```

# Background

The CSS property to change the background color of an element to Hex 90A233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#90A233 }
```

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

```
.background{ background-color:#90A233 }
```

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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