

# Converting Colors

Hex(90A500)

Have a look what the booklet for  
Hex(90A500) contains.

<b>Hex(90A500)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(90A500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90A500
RGB	144, 165, 0
RGB Percent	56%, 65%, 0%
CMY	0.4353, 0.3529, 1.0000
CMYK	0.13, 0.00, 1.00, 0.35
HSL	68°, 100%, 32%
HSV	68°, 100%, 65%
XYZ	24.9567, 32.8396, 5.0233
YIQ	139.9110, 40.4490, -55.7670

# Conversions

## Conversions Part 2

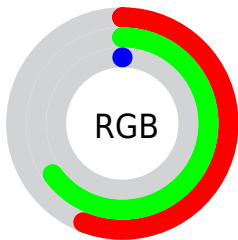
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 165, 21
Decimal	9479424
CIELab	64.03, -24.79, 66.25
CIELCh	64, 70.738, 110.511
Yxy	32.8396, 0.3973, 0.5228
Android (android.graphics.Color)	4287669504 (0xFF90A500)
YUV	139.9110, -68.9761, 3.5861
Hunter-Lab	57.3058, -22.5483, 34.9168

# Details

The Hex color **90A500** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **1500A5**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **C9DC4B**, and **597100** is the 20% darker color. If you saturate the color by 10%, you get **90A500**, and if you desaturate by 10%, it is **92A510**.

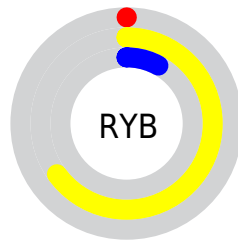
# Distribution



Red (56%)

Green (65%)

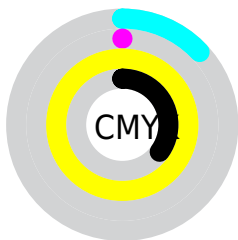
Blue (0%)



Red (0%)

Yellow (65%)

Blue (8%)

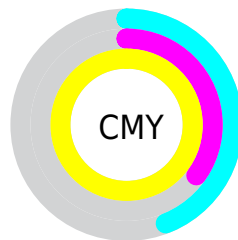


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (44%)

Magenta (35%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 90A500 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 90A500 by changing the saturation by 10% instead.



 90A500

 90A500

FFFFFF

 748B00

 C9DC4B

 597100

 E7F867

 3E5900

 FFFF83

 224100

 FFFF9F

 052B00

 FFFFBB

 001700

 FFFFD8

 000000

 FFFFF5

 90A500

 92A510

 94A521

 96A532

 98A542

 9AA552

 9DA563

 9FA573

 A1A584

 A3A594

# Harmonies

## Analogous

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



CA9100



90A500



3BB145

# Triad

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



90A500



00B4FC



FF5DB2

# Complementary

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



90A500



1500A5

# 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.



D376EC



90A500



00A8FF

# Square

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



90A500



00B8C6



7093FF



FF5E73

# Rectangle

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



90A500



00B66E



7093FF



F763C7



# Sweetspot

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



90A500



CED696



A51300



666B45



EBEBEB



6B6B6B



# Same Dimension

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



90A500



BBD600



3FA500



515249



7F9100



101200



# Inverse Universe

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



1500A5



1B00D6



6600A5



4A4952



120091



020012



# Previews

## White Background



This preview shows how the Hex color 90A500 looks on a white background.

## Color Contrast Check

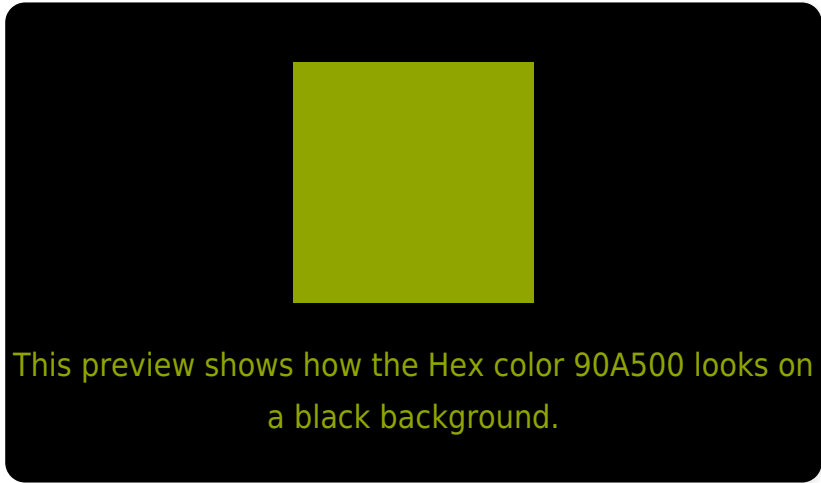
Large Text (above 18pt) WCAG AA × Fail

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 90A500 Background



This preview shows how black text looks on a background with the Hex color 90A500.



This preview shows how white text looks on a background with the Hex color 90A500.

# 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**  
90A500

**Protanopia**  
AF9B00

**Deuteranopia**  
C3931C



**Tritanopia**  
9D99A5

# Trichromacy



**Original Color**  
90A500

**Protanomaly**  
A49F00

**Deuteranomaly**  
B09A12

**Tritanomaly**  
989D69

# Monochromacy



**Original Color**  
90A500

**Achromatopsia**  
8C8C8C

**Achromatomaly**  
8D9559

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 90A500 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 #90A500 looks like.

```
.text, #text, p{  
    color:#90A500  
}
```

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 #90A500 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #90A500
}
```

## Border

The CSS property to change the border of an element to Hex 90A500 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
#90A500 }
```

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

```
.border{ border-color:#90A500 }
```

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

Here you see how a box with a 4 pixel #90A500 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #90A500; -webkit-box-shadow:4px 4px  
4px 4px #90A500; box-shadow:4px 4px 4px  
4px #90A500 }
```

# Background

The CSS property to change the background color of an element to Hex 90A500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#90A500 }
```

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

```
.background{ background-color:#90A500 }
```

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