

# Converting Colors

Hex(949A18)

Have a look what the booklet for  
Hex(949A18) contains.

<b>Hex(949A18)</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(949A18)**

# Conversions

## Conversions Part 1

Format	Color
Hex	949A18
RGB	148, 154, 24
RGB Percent	58%, 60%, 9%
CMY	0.4196, 0.3961, 0.9059
CMYK	0.04, 0.00, 0.84, 0.40
HSL	63°, 73%, 35%
HSV	63°, 84%, 60%
XYZ	23.9332, 29.4730, 5.2916
YIQ	137.3860, 38.1540, -41.7020

# Conversions

## Conversions Part 2

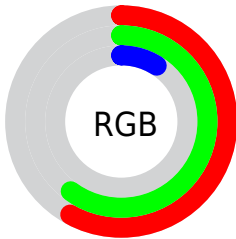
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	24, 154, 30
Decimal	9738776
CIE <sub>Lab</sub>	61.20, -17.01, 60.11
CIE <sub>LCh</sub>	61, 62.472, 105.799
Yxy	29.4730, 0.4077, 0.5021
Android (android.graphics.Color)	4287928856 (0xFF949A18)
YUV	137.3860, -55.8993, 9.3085
Hunter-Lab	54.2891, -16.3146, 32.2233

# Details

The Hex color **949A18** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **1E189A**, and the grayscale version is **8A8A8A**.

A 20% lighter version of the original color is **CDD053**, and **5D6700** is the 20% darker color. If you saturate the color by 10%, you get **939A09**, and if you desaturate by 10%, it is **959A27**.

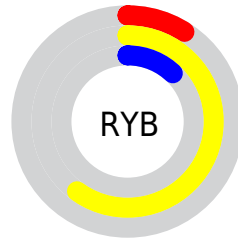
# Distribution



Red (58%)

Green (60%)

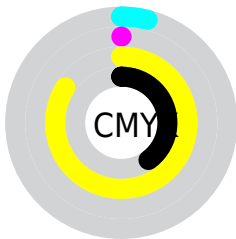
Blue (9%)



Red (9%)

Yellow (60%)

Blue (12%)

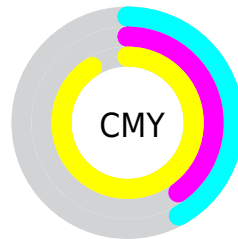


Cyan (4%)

Magenta (0%)

Yellow (84%)

Black (40%)



Cyan (42%)

Magenta (40%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 949A18 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 949A18 by changing the saturation by 10% instead.





949A18



949A18

FFFFFF



788000



CDD053



5D6700



EBEC6E



434F00



FFFF89



293800



FFFFA5



0F2300



FFFC1



000800



FFFDE



000000



FFFFFB



949A18



949A18

■ 939A09

■ 959A27

■ 939A00

■ 959A37

■ 969A46

■ 979A56

■ 989A65

■ 989A74

■ 999A84

■ 9A9A93

■ 9A9AA3

# Harmonies

## Analogous

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



C5881E



949A18



53A641

# Triad

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



949A18



00ABE2



EA62B0

# Complementary

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



949A18



1E189A

# 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.



BB78E1



949A18



00A1FF

# Square

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



949A18



00AEB0



5E90FF



F85F79

# Rectangle

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



949A18



00AB64



5E90FF



DF68C2



# Sweetspot

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



949A18



C7C997



9A1C18



656647



E6E6E6



666666



# Same Dimension

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



949A18



C0C900



559A18



4C4D45



868C00



0C0D00



# Inverse Universe

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



1E189A



0900C9



5D189A



45454D



06008C



01000D



# Previews

## White Background



This preview shows how the Hex color 949A18 looks on a white background.

## Color Contrast Check

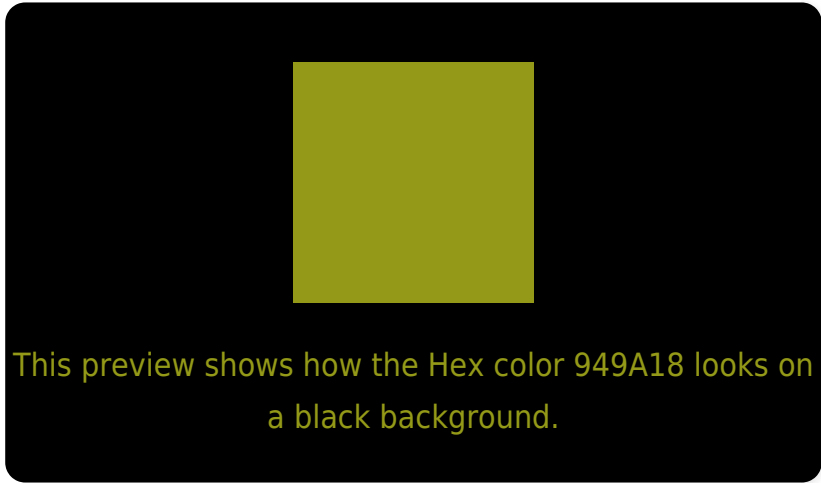
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 949A18 Background



This preview shows how black text looks on a background with the Hex color 949A18.



This preview shows how white text looks on a background with the Hex color 949A18.

# 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**  
949A18

**Protanopia**  
A69416

**Deuteranopia**  
BA8C21



**Tritanopia**  
9E8F9B

# Trichromacy



**Original Color**  
949A18

**Protanomaly**  
9F9617

**Deuteranomaly**  
AC911E

**Tritanomaly**  
9A936B

# Monochromacy



**Original Color**  
949A18

**Achromatopsia**  
898989

**Achromatomaly**  
8D8F60

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 949A18 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 #949A18 looks like.

```
.text, #text, p{  
    color:#949A18  
}
```

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 #949A18 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #949A18
}
```

## Border

The CSS property to change the border of an element to Hex 949A18 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
#949A18 }
```

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

```
.border{ border-color:#949A18 }
```

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

Here you see how a box with a 4 pixel #949A18 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #949A18; -webkit-box-shadow:4px 4px  
4px 4px #949A18; box-shadow:4px 4px 4px  
4px #949A18 }
```

# Background

The CSS property to change the background color of an element to Hex 949A18 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#949A18 }
```

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

```
.background{ background-color:#949A18 }
```

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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