

# Converting Colors

Hex(9F4723)

Have a look what the booklet for  
Hex(9F4723) contains.

<b>Hex(9F4723)</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(9F4723)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F4723
RGB	159, 71, 35
RGB Percent	62%, 28%, 14%
CMY	0.3765, 0.7216, 0.8627
CMYK	0.00, 0.55, 0.78, 0.38
HSL	17°, 64%, 38%
HSV	17°, 78%, 62%
XYZ	16.8547, 11.9988, 3.0178
YIQ	93.2080, 64.0040, 7.4600

# Conversions

## Conversions Part 2

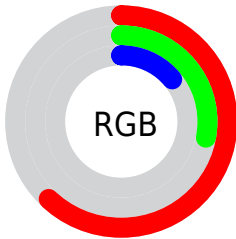
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 86, 35
Decimal	10438435
CIE <sub>Lab</sub>	41.21, 34.30, 38.12
CIE <sub>LCh</sub>	41, 51.276, 48.023
Yxy	11.9988, 0.5288, 0.3765
Android (android.graphics.Color)	4288628515 (0xFF9F4723)
YUV	93.2080, -28.6965, 57.6996
Hunter-Lab	34.6392, 26.2356, 19.0821

# Details

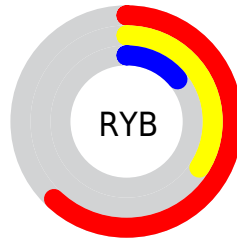
The Hex color **9F4723** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **237B9F**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **DB7A52**, and **651500** is the 20% darker color. If you saturate the color by 10%, you get **9F3C13**, and if you desaturate by 10%, it is **9F5233**.

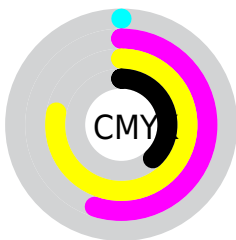
# Distribution



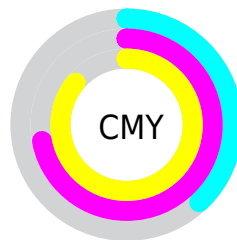
- Red (62%)
- Green (28%)
- Blue (14%)



- Red (62%)
- Yellow (34%)
- Blue (14%)



- Cyan (0%)
- Magenta (55%)
- Yellow (78%)
- Black (38%)



- Cyan (38%)
- Magenta (72%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9F4723 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 9F4723 by changing the saturation by 10% instead.



 9F4723

 9F4723

FFFFFF

 822E0C

 DB7A52

 651500

 FA946B

 490000

 FFAF84

 300001

 FFCB9F

 000000

 FFE8BA

 FFFFD6

 FFFFF2

 9F4723

 9F4723

 9F3C13

 9F5233

 9F3003

 9F5E43

 9F2E00

 9F6953

 9F7463

 9F7F72

 9F8B82

 9F9692

 9FA1A2

 9FADB2

# Harmonies

## Analogous

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



AC374A



9F4723



835900

# Triad

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



9F4723



00744E



3B5DB2

# Complementary

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



9F4723



237B9F

# 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.



006BB4



9F4723



00757A

# Square

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



9F4723



286F24



00729F



824A9A

# Rectangle

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



9F4723



6B6300



00729F



0063B5



# Sweetspot

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



9F4723



CFAD9F



9F237C



69544B



E8E8E8



696969



# Same Dimension

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



9F4723



CF450C



9F8423



4F4947



8F2900



0F0400



# Inverse Universe

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



237B9F



0C96CF



233E9F



474D4F



00658F



000B0F



# Previews

## White Background



This preview shows how the Hex color 9F4723 looks on a white 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

# Black 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

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



## Hex 9F4723 Background



This preview shows how black text looks on a background with the Hex color 9F4723.



This preview shows how white text looks on a background with the Hex color 9F4723.

# 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**  
9F4723

**Protanopia**  
6D622B

**Deuteranopia**  
7B5D1C



**Tritanopia**  
A14347

# Trichromacy



**Original Color**  
9F4723

**Protanomaly**  
7F5828

**Deuteranomaly**  
88551F

**Tritanomaly**  
A0443A

# Monochromacy



**Original Color**  
9F4723

**Achromatopsia**  
5D5D5D

**Achromatomaly**  
755548

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9F4723 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 #9F4723 looks like.

```
.text, #text, p{  
    color:#9F4723  
}
```

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 #9F4723 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9F4723
}
```

## Border

The CSS property to change the border of an element to Hex 9F4723 is called "border". The border property can be set on classes, ids or directly on the HTML element.

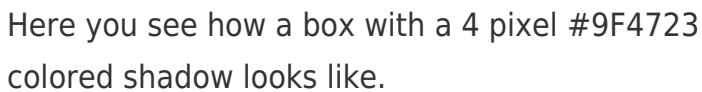
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#9F4723 }
```

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

```
.border{ border-color:#9F4723 }
```

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



Here you see how a box with a 4 pixel #9F4723 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9F4723; -webkit-box-shadow:4px 4px  
4px 4px #9F4723; box-shadow:4px 4px 4px  
4px #9F4723 }
```

# Background

The CSS property to change the background color of an element to Hex 9F4723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9F4723 }
```

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

```
.background{ background-color:#9F4723 }
```

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