

# Converting Colors

Hex(9D7A10)

Have a look what the booklet for  
Hex(9D7A10) contains.

<b>Hex(9D7A10)</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(9D7A10)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9D7A10
RGB	157, 122, 16
RGB Percent	62%, 48%, 6%
CMY	0.3843, 0.5216, 0.9373
CMYK	0.00, 0.22, 0.90, 0.38
HSL	45°, 82%, 34%
HSV	45°, 90%, 62%
XYZ	20.9577, 21.1246, 3.4631
YIQ	120.3810, 54.8860, -25.5460

# Conversions

## Conversions Part 2

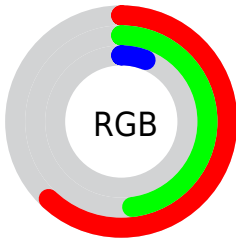
<b>Format</b>	<b>Color</b>
<b>RYB</b>	63, 157, 16
Decimal	10320400
CIELab	53.09, 4.29, 55.75
CIELCh	53, 55.910, 85.604
Yxy	21.1246, 0.4602, 0.4638
Android (android.graphics.Color)	4288510480 (0xFF9D7A10)
YUV	120.3810, -51.4598, 32.1149
Hunter-Lab	45.9615, 0.9605, 27.7057

# Details

The Hex color **9D7A10** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10339D**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **D7AE49**, and **654A00** is the 20% darker color. If you saturate the color by 10%, you get **9D7600**, and if you desaturate by 10%, it is **9D7E20**.

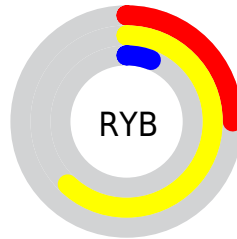
# Distribution



Red (62%)

Green (48%)

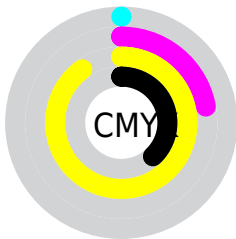
Blue (6%)



Red (25%)

Yellow (62%)

Blue (6%)

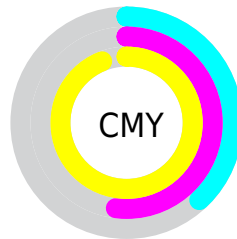


Cyan (0%)

Magenta (22%)

Yellow (90%)

Black (38%)



Cyan (38%)

Magenta (52%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9D7A10 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 9D7A10 by changing the saturation by 10% instead.



 9D7A10

 9D7A10

FFFFFF

 816100

 D7AE49

 654A00

 F5C964

 4A3400

 FFE57E

 301F00

 FFFF99

 170700

 FFFFB5

 000000

 FFFFD1

 FFFFEE

 9D7A10

 9D7A10

■ 9D7600

■ 9D7E20

■ 9D822F

■ 9D863F

■ 9D8A4F

■ 9D8D5F

■ 9D916E

■ 9D957E

■ 9D998E

■ 9D9D9D

# Harmonies

## Analogous

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



C0672F



9D7A10



6F881D

# Triad

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



9D7A10



0095A7



B260B6

# Complementary

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



9D7A10



10339D

# 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.



7275D6



9D7A10



0091CE

# Square

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



9D7A10



009576



0086DF



D15188

# Rectangle

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



9D7A10



478F37



0086DF



A167C3



# Sweetspot

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



9D7A10



CCBE95



9D1033



665E45



E6E6E6



666666



# Same Dimension

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



9D7A10



CC9900



7A9D10



4F4D47



8F6B00



0F0C00



# Inverse Universe

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



10339D



0033CC



33109D



47494F



00238F

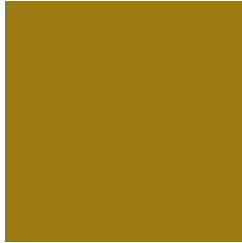


00040F



# Previews

## White Background



This preview shows how the Hex color 9D7A10 looks on a white background.

## Color Contrast Check

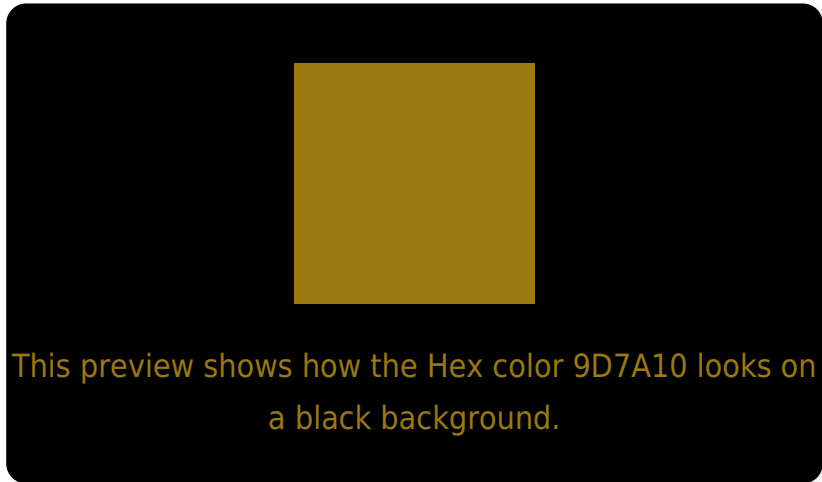
Large Text (above 18pt) WCAG AA ✓ Pass

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 9D7A10 Background



This preview shows how black text looks on a background with the Hex color 9D7A10.



This preview shows how white text looks on a background with the Hex color 9D7A10.

# 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**  
9D7A10

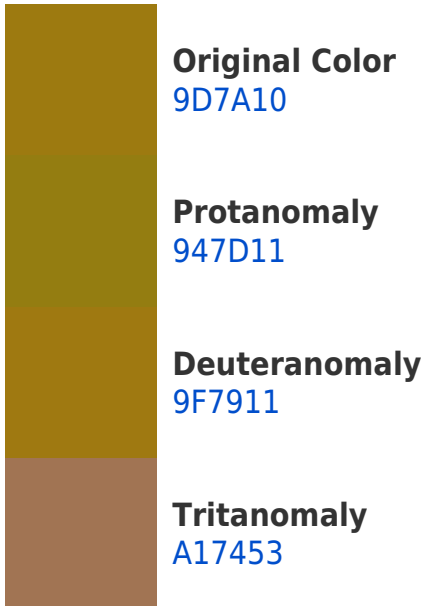
**Protanopia**  
8F7F12

**Deuteranopia**  
A07811

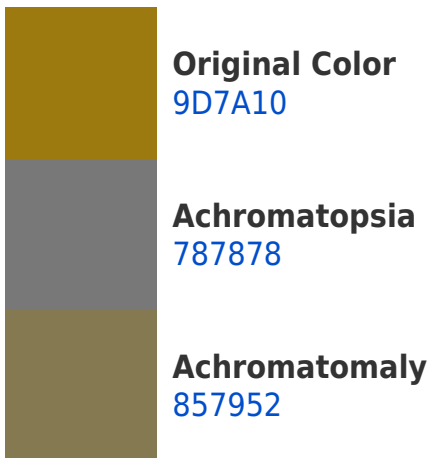


**Tritanopia**  
A3717A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9D7A10 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 #9D7A10 looks like.

```
.text, #text, p{  
    color:#9D7A10  
}
```

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 #9D7A10 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9D7A10
}
```

## Border

The CSS property to change the border of an element to Hex 9D7A10 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
#9D7A10 }
```

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

```
.border{ border-color:#9D7A10 }
```

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

Here you see how a box with a 4 pixel #9D7A10 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9D7A10; -webkit-box-shadow:4px 4px  
4px 4px #9D7A10; box-shadow:4px 4px 4px  
4px #9D7A10 }
```

# Background

The CSS property to change the background color of an element to Hex 9D7A10 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9D7A10 }
```

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

```
.background{ background-color:#9D7A10 }
```

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