

# Converting Colors

Hex(0D9757)

Have a look what the booklet for  
Hex(0D9757) contains.

<b>Hex(0D9757)</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(0D9757)

# Conversions

## Conversions Part 1

Format	Color
Hex	0D9757
RGB	13, 151, 87
RGB Percent	5%, 59%, 34%
CMY	0.9490, 0.4078, 0.6588
CMYK	0.91, 0.00, 0.42, 0.41
HSL	152°, 84%, 32%
HSV	152°, 91%, 59%
XYZ	12.9529, 22.9069, 12.7556
YIQ	102.4420, -61.7040, -49.1600

# Conversions

## Conversions Part 2

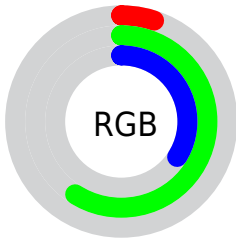
<b>Format</b>	<b>Color</b>
<b>RYB</b>	13, 103, 151
Decimal	890711
CIELab	54.98, -48.63, 24.51
CIElCh	55, 54.457, 153.249
Yxy	22.9069, 0.2664, 0.4712
Android (android.graphics.Color)	4279080791 (0xFF0D9757)
YUV	102.4420, -7.6129, -78.4406
Hunter-Lab	47.8612, -35.4487, 17.7013

# Details

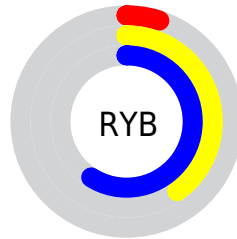
The Hex color **0D9757** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **970D4D**, and the grayscale version is **676767**.

A 20% lighter version of the original color is **59CE8A**, and **006328** is the 20% darker color. If you saturate the color by 10%, you get **009751**, and if you desaturate by 10%, it is **1C975E**.

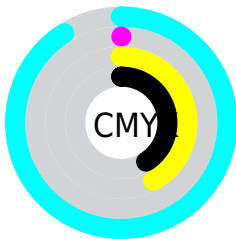
# Distribution



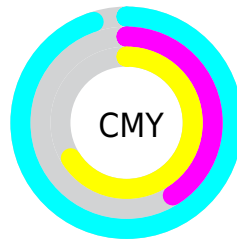
- Red (5%)
- Green (59%)
- Blue (34%)



- Red (5%)
- Yellow (40%)
- Blue (59%)



- Cyan (91%)
- Magenta (0%)
- Yellow (42%)
- Black (41%)



- Cyan (95%)
- Magenta (41%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0D9757 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 0D9757 by changing the saturation by 10% instead.



 0D9757

 0D9757

FFFFFF

 007C3F

 59CE8A

 006328

 77EBA4

 004A12

 94FFBF

 003200

 B1FFDB

 001A00

 CEFFF8

 000000

 ECFFFF

 0D9757

 0D9757

 009751

 1C975E

 2B9765


 3A976C

 499773

 59977A

 689781

 779788

 86978F

 959796

# Harmonies

## Analogous

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



67902E



0D9757



009A87

# Triad

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



0D9757



0187E2



D55F53

# Complementary

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



0D9757



970D4D

# 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.



D85780



0D9757



8B75D3

# Square

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



0D9757



0093D7



C161AF



BD712D

# Rectangle

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



0D9757



009AA7



C161AF



D85A61



# Sweetspot

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



0D9757



8FC4AC



4D970D



446355



E3E3E3



636363



# Same Dimension

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



0D9757



00C469



0D9297



454D49



008C4B



000D07



# Inverse Universe

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



970D4D



C4005B



97120D



4D4548



8C0041



0D0006



# Previews

## White Background



This preview shows how the Hex color 0D9757 looks on a white background.

## Color Contrast Check

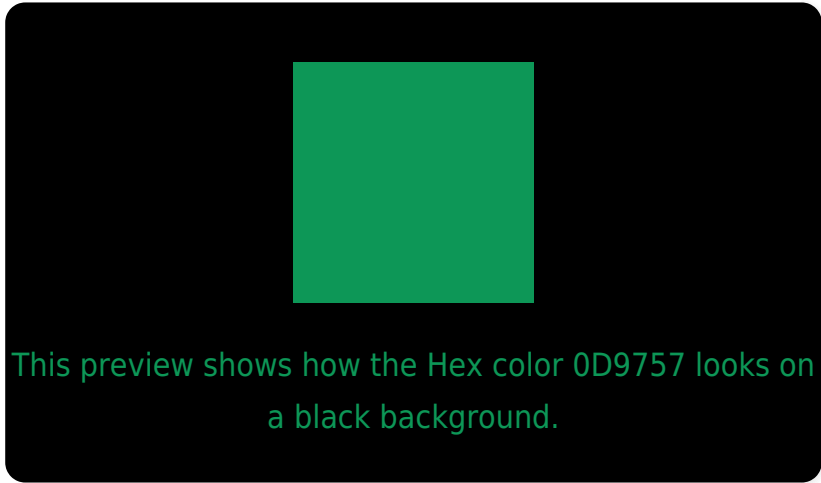
Large Text (above 18pt) WCAG AA ✓ Pass

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 0D9757 Background



This preview shows how black text looks on a background with the Hex color 0D9757.



This preview shows how white text looks on a background with the Hex color 0D9757.

# 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**  
398F9B

# Trichromacy



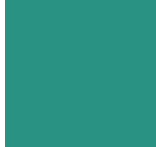
**Original Color**  
0D9757



**Protanomaly**  
608A52



**Deuteranomaly**  
67865B



**Tritanomaly**  
299282

# Monochromacy



**Original Color**  
0D9757



**Achromatopsia**  
666666



**Achromatomaly**  
467861

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0D9757 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 #0D9757 looks like.

```
.text, #text, p{  
    color:#0D9757  
}
```

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 #0D9757 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0D9757
}
```

## Border

The CSS property to change the border of an element to Hex 0D9757 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
#0D9757 }
```

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

```
.border{ border-color:#0D9757 }
```

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

Here you see how a box with a 4 pixel #0D9757 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0D9757; -webkit-box-shadow:4px 4px  
4px 4px #0D9757; box-shadow:4px 4px 4px  
4px #0D9757 }
```

# Background

The CSS property to change the background color of an element to Hex 0D9757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0D9757 }
```

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

```
.background{ background-color:#0D9757 }
```

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**