

# Converting Colors

Hex(007843)

Have a look what the booklet for  
Hex(007843) contains.

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**Color**

**Hex(007843)**

# Conversions

## Conversions Part 1

Format	Color
Hex	007843
RGB	0, 120, 67
RGB Percent	0%, 47%, 26%
CMY	1.0000, 0.5294, 0.7373
CMYK	1.00, 0.00, 0.44, 0.53
HSL	154°, 100%, 24%
HSV	154°, 100%, 47%
XYZ	7.7296, 13.8382, 7.5738
YIQ	78.0780, -54.5070, -41.9230

# Conversions

## Conversions Part 2

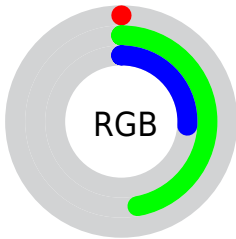
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 77, 120
Decimal	30787
CIELab	44.00, -42.00, 21.20
CIELCh	44, 47.041, 153.219
Yxy	13.8382, 0.2652, 0.4749
Android (android.graphics.Color)	4278220867 (0xFF007843)
YUV	78.0780, -5.4615, -68.4744
Hunter-Lab	37.1997, -28.0097, 13.9684

# Details

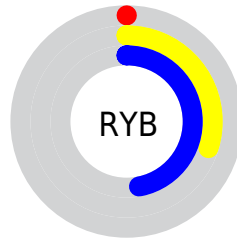
The Hex color **007843** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **780035**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **4CAD74**, and **004616** is the 20% darker color. If you saturate the color by 10%, you get **007843**, and if you desaturate by 10%, it is **0C7848**.

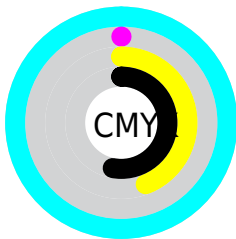
# Distribution



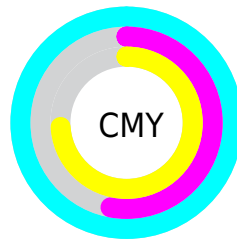
- Red (0%)
- Green (47%)
- Blue (26%)



- Red (0%)
- Yellow (30%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (53%)



- Cyan (100%)
- Magenta (53%)
- Yellow (74%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007843 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 007843 by changing the saturation by 10% instead.



 007843

 007843

FFFFFF

 005F2C

 4CAD74

 004616

 68C98D

 002F00

 84E6A8

 001700

 A0FFC3

 000000

 BDFDF

 DAFFFC

 F7FFFF

 007843

 0C7848

 18784E

 247853

 307858

 3C785D

 487863

 547868

 60786D

 6C7873

# Harmonies

## Analogous

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



507221



007843



007B6B

# Triad

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



007843



006BB6



AB493F

# Complementary

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



007843



780035

# 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.



AE4265



007843



6E5CAA

# Square

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



007843



0075AD



9A4B8C



975920

# Rectangle

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



007843



007A86



9A4B8C



AE464C



# Sweetspot

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



007843



6D9C87



367800



334F42



CFCFCF



4F4F4F



# Same Dimension

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



007843



009C57



007278



373D3A



007D46



00FC8D



# Inverse Universe

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



780035



9C0045



780600



3D373A



7D0037



FC006F



# Previews

## White Background



This preview shows how the Hex color 007843 looks on a white background.

## Color Contrast Check

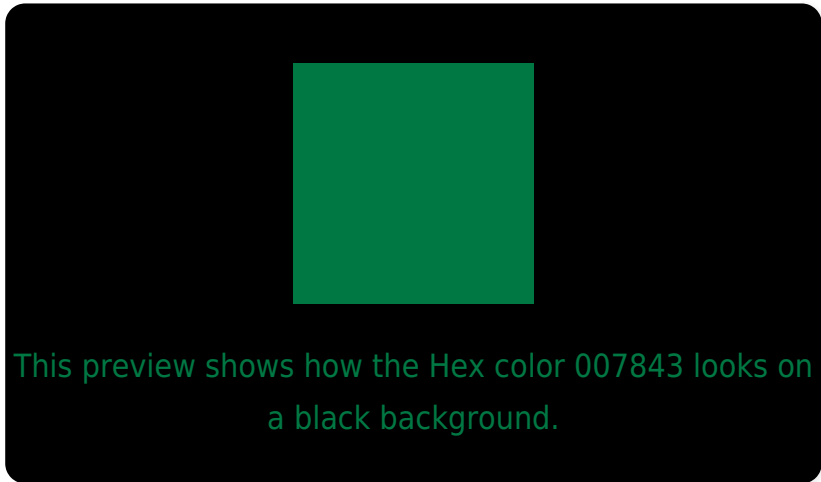
Large Text (above 18pt) WCAG AA ✓ Pass

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

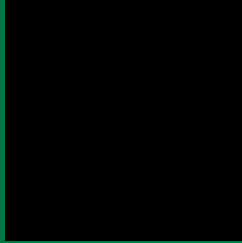
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 007843 Background



This preview shows how black text looks on a background with the Hex color 007843.



This preview shows how white text looks on a background with the Hex color 007843.

# 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**  
007843

**Protanopia**  
72683D

**Deuteranopia**  
7C6348



**Tritanopia**  
2D727B

# Trichromacy



**Original Color**  
007843



**Protanomaly**  
496E3F



**Deuteranomaly**  
4F6B46



**Tritanomaly**  
1D7467

# Monochromacy



**Original Color**  
007843



**Achromatopsia**  
4E4E4E



**Achromatomaly**  
325D4A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007843 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 #007843 looks like.

```
.text, #text, p{  
    color:#007843  
}
```

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 #007843 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007843
}
```

## Border

The CSS property to change the border of an element to Hex 007843 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
#007843 }
```

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

```
.border{ border-color:#007843 }
```

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

Here you see how a box with a 4 pixel #007843 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007843; -webkit-box-shadow:4px 4px  
4px 4px #007843; box-shadow:4px 4px 4px  
4px #007843 }
```

# Background

The CSS property to change the background color of an element to Hex 007843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007843 }
```

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

```
.background{ background-color:#007843 }
```

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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