

# Converting Colors

Hex(007D00)

Have a look what the booklet for  
Hex(007D00) contains.

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**Color**

**Hex(007D00)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	007D00
RGB	0, 125, 0
RGB Percent	0%, 49%, 0%
CMY	1.0000, 0.5098, 1.0000
CMYK	1.00, 0.00, 1.00, 0.51
HSL	120°, 100%, 25%
HSV	120°, 100%, 49%
XYZ	7.3336, 14.6672, 2.4445
YIQ	73.3750, -34.3750, -65.3750

# Conversions

## Conversions Part 2

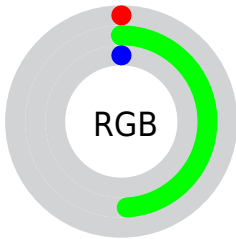
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 125, 125
Decimal	32000
CIELab	45.18, -50.82, 49.05
CIELCh	45, 70.635, 136.016
Yxy	14.6672, 0.3000, 0.6000
Android (android.graphics.Color)	4278222080 (0xFF007D00)
YUV	73.3750, -36.1739, -64.3499
Hunter-Lab	38.2978, -32.8404, 23.0240

# Details

The Hex color **007D00** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7D007D**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **51B33F**, and **004A00** is the 20% darker color. If you saturate the color by 10%, you get **007D00**, and if you desaturate by 10%, it is **0C7D0C**.

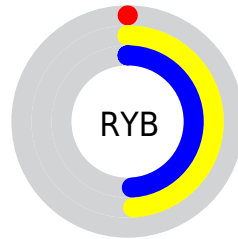
# Distribution



Red (0%)

Green (49%)

Blue (0%)



Red (0%)

Yellow (49%)

Blue (49%)

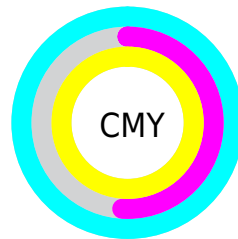


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (100%)

Magenta (51%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007D00 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 007D00 by changing the saturation by 10% instead.



 007D00

 007D00

FFFFFF

 006300

 51B33F

 004A00

 6ECF59

 003300

 8AEB73

 001B00

 A7FF8E

 000000

 C4FFAA

 E2FFC6

 FFFFE2

 007D00

 0C7D0C

 197D19

 267D26

 327D32

 3F7D3F

 4B7D4B

 577D57

 647D64

 717D71

# Harmonies

## Analogous

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



657200



007D00



00824C

# Triad

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



007D00



007ADF



D01A4E

# Complementary

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



007D00



7D007D

# 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.



C42189



007D00



0068DE

# Square

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



007D00



0082BF



9349BE



BE4013

# Rectangle

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



007D00



008476



9349BE



D01262



# Sweetspot

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



007D00



72A372



7D7D00



345234



D1D1D1



525252



# Same Dimension

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



007D00



00A300



007D3F



394039



008000



000000



# Inverse Universe

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



7D007D



A300A3



7D003F



403940



800080

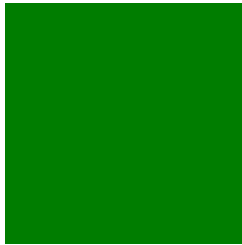


000000



# Previews

## White Background



This preview shows how the Hex color 007D00 looks on a white background.

## Color Contrast Check

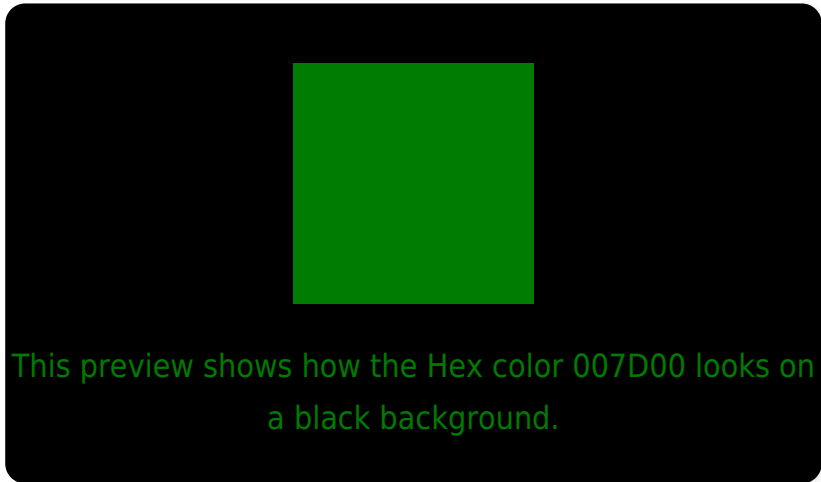
Large Text (above 18pt) WCAG AA ✓ Pass

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 007D00 Background



This preview shows how black text looks on a background with the Hex color 007D00.



This preview shows how white text looks on a background with the Hex color 007D00.

# 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**  
007D00

**Protanopia**  
786B00

**Deuteranopia**  
86651B



**Tritanopia**  
34747E

# Trichromacy



**Original Color**  
007D00



**Protanomaly**  
4C7200



**Deuteranomaly**  
556E11



**Tritanomaly**  
217750

# Monochromacy



**Original Color**  
007D00



**Achromatopsia**  
494949



**Achromatomaly**  
2E5C2E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007D00 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 #007D00 looks like.

```
.text, #text, p{  
    color:#007D00  
}
```

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 #007D00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007D00
}
```

## Border

The CSS property to change the border of an element to Hex 007D00 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".

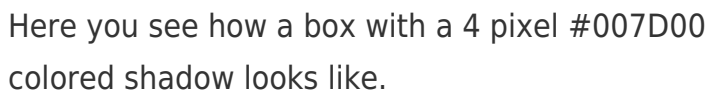
```
.border, #border, table{ border:4px solid
#007D00 }
```

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

```
.border{ border-color:#007D00 }
```

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

Here you see how a box with a 4 pixel #007D00 colored shadow looks like.

A rectangular box with a thick green border and a green shadow. The box is white with a thick green border on the top, bottom, and left sides, and a thin green border on the right side. The shadow is a solid green rectangle that is slightly offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007D00; -webkit-box-shadow:4px 4px  
4px 4px #007D00; box-shadow:4px 4px 4px  
4px #007D00 }
```

# Background

The CSS property to change the background color of an element to Hex 007D00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007D00 }
```

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

```
.background{ background-color:#007D00 }
```

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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