

# Converting Colors

Hex(007745)

Have a look what the booklet for  
Hex(007745) contains.

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**Color**

**Hex(007745)**

# Conversions

## Conversions Part 1

Format	Color
Hex	007745
RGB	0, 119, 69
RGB Percent	0%, 47%, 27%
CMY	1.0000, 0.5333, 0.7294
CMYK	1.00, 0.00, 0.42, 0.53
HSL	155°, 100%, 23%
HSV	155°, 100%, 47%
XYZ	7.6710, 13.6233, 7.8555
YIQ	77.7190, -54.8740, -40.7780

# Conversions

## Conversions Part 2

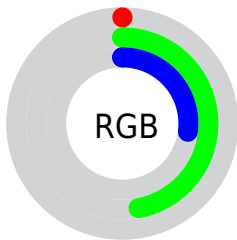
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 75, 119
Decimal	30533
CIELab	43.69, -41.20, 19.65
CIELCh	44, 45.645, 154.500
Yxy	13.6233, 0.2632, 0.4674
Android (android.graphics.Color)	4278220613 (0xFF007745)
YUV	77.7190, -4.2985, -68.1596
Hunter-Lab	36.9098, -27.4943, 13.2182

# Details

The Hex color **007745** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **770032**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **4CAC76**, and **004519** is the 20% darker color. If you saturate the color by 10%, you get **007745**, and if you desaturate by 10%, it is **0C774A**.

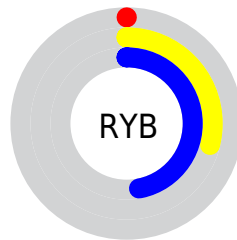
# Distribution



Red (0%)

Green (47%)

Blue (27%)



Red (0%)

Yellow (29%)

Blue (47%)

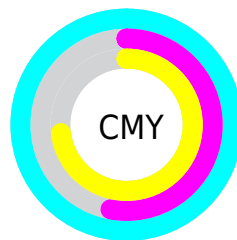


Cyan (100%)

Magenta (0%)

Yellow (42%)

Black (53%)



Cyan (100%)

Magenta (53%)

Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007745 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 007745 by changing the saturation by 10% instead.



 007745

 007745

FFFFFF

 005E2E

 4CAC76

 004519

 68C890

 002E00

 84E4AA

 001500

 A0FFC6

 000000

 BCFFE2

 D9FFFE

 F7FFFF

 007745

 0C774A

 18774F

 247754

 307759

 3B775E

 477763

 537768

 5F776D

 6B7772

# Harmonies

## Analogous

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



4E7124



007745



00796C

# Triad

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



007745



126AB3



A84A3E

# Complementary

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



007745



770032

# 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.



AB4363



007745



705BA6

# Square

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



007745



0074AB



9A4B89



945921

# Rectangle

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



007745



007986



9A4B89



AB474A



# Sweetspot

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



007745



6D9C88



347700



334F43



CFCFCF



4F4F4F



# Same Dimension

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



007745



009C5A



006F77



353B38



007A47



00FA91



# Inverse Universe

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



770032



9C0041



770800



3B3537



7A0033



FA0069



# Previews

## White Background



This preview shows how the Hex color 007745 looks on a white background.

## Color Contrast Check

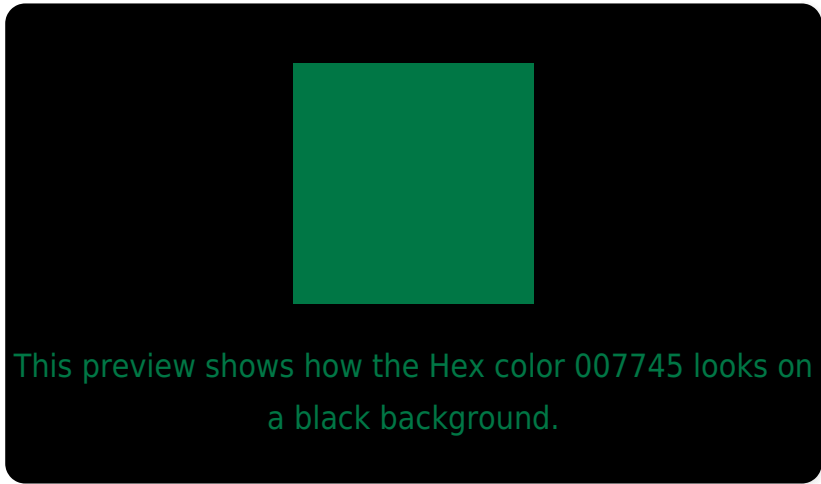
Large Text (above 18pt) WCAG AA ✓ Pass

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 007745 Background



This preview shows how black text looks on a background with the Hex color 007745.



This preview shows how white text looks on a background with the Hex color 007745.

# 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**  
007745

**Protanopia**  
71673F

**Deuteranopia**  
7A634A



**Tritanopia**  
2C717A

# Trichromacy



**Original Color**  
007745



**Protanomaly**  
486D41



**Deuteranomaly**  
4E6A48



**Tritanomaly**  
1C7367

# Monochromacy



**Original Color**  
007745



**Achromatopsia**  
4E4E4E



**Achromatomaly**  
325D4B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007745 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 #007745 looks like.

```
.text, #text, p{  
    color:#007745  
}
```

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 #007745 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007745
}
```

## Border

The CSS property to change the border of an element to Hex 007745 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
#007745 }
```

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

```
.border{ border-color:#007745 }
```

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

Here you see how a box with a 4 pixel #007745 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007745; -webkit-box-shadow:4px 4px  
4px 4px #007745; box-shadow:4px 4px 4px  
4px #007745 }
```

# Background

The CSS property to change the background color of an element to Hex 007745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007745 }
```

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

```
.background{ background-color:#007745 }
```

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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