

# Converting Colors

Hex(007045)

Have a look what the booklet for  
Hex(007045) contains.

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# Color

**Hex(007045)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	007045
RGB	0, 112, 69
RGB Percent	0%, 44%, 27%
CMY	1.0000, 0.5608, 0.7294
CMYK	1.00, 0.00, 0.38, 0.56
HSL	157°, 100%, 22%
HSV	157°, 100%, 44%
XYZ	6.8683, 12.0180, 7.5879
YIQ	73.6100, -52.9490, -37.1170

# Conversions

## Conversions Part 2

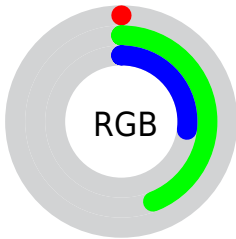
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 69, 112
Decimal	28741
CIELab	41.24, -38.48, 16.39
CIELCh	41, 41.830, 156.925
Yxy	12.0180, 0.2594, 0.4540
Android (android.graphics.Color)	4278218821 (0xFF007045)
YUV	73.6100, -2.2727, -64.5560
Hunter-Lab	34.6670, -25.3022, 11.2895

# Details

The Hex color **007045** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **70002B**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **49A576**, and **003F19** is the 20% darker color. If you saturate the color by 10%, you get **007045**, and if you desaturate by 10%, it is **0B7049**.

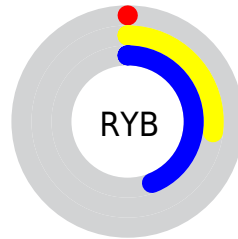
# Distribution



Red (0%)

Green (44%)

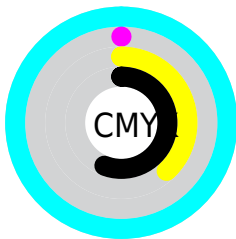
Blue (27%)



Red (0%)

Yellow (27%)

Blue (44%)

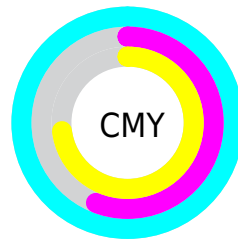


Cyan (100%)

Magenta (0%)

Yellow (38%)

Black (56%)



Cyan (100%)

Magenta (56%)

Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007045 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 007045 by changing the saturation by 10% instead.



 007045

 007045

FFFFFF

 00572E

 49A576

 003F19

 65C08F

 002900

 81DCAA

 000900

 9DF9C5

 000000

 B9FFE1

 D6FFFE

 F3FFFF

 007045

 0B7049

 16704E

 227052

 2D7056

 38705A

 43705F

 4E7063

 5A7067

 65706C

# Harmonies

## Analogous

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



486B27



007045



007268

# Triad

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



007045



2862A6



9C483A

# Complementary

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



007045



70002B

# 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.



A0415B



007045



6D5598

# Square

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



007045



006CA0



91477D



895620

# Rectangle

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



007045



00727F



91477D



9F4544



# Sweetspot

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



007045



669181



2D7000



2F4A40



C9C9C9



4A4A4A



# Same Dimension

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



007045



00915A



006570



323836



00784A



00F798



# Inverse Universe

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



70002B



910038



700B00



383235



78002E



F7005F



# Previews

## White Background



This preview shows how the Hex color 007045 looks on a white background.

## Color Contrast Check

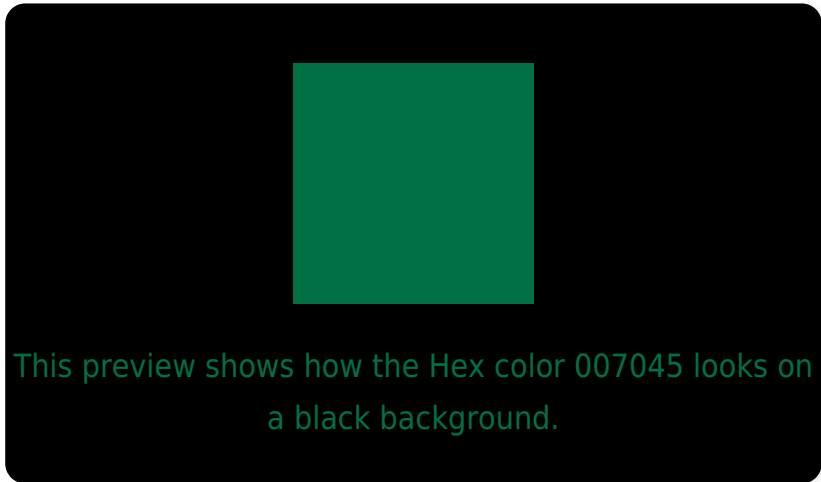
Large Text (above 18pt) WCAG AA ✓ Pass

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 007045 Background



This preview shows how black text looks on a background with the Hex color 007045.



This preview shows how white text looks on a background with the Hex color 007045.

# 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**  
007045

**Protanopia**  
6A613F

**Deuteranopia**  
725D49



**Tritanopia**  
286A73

# Trichromacy



**Original Color**  
007045



**Protanomaly**  
436641



**Deuteranomaly**  
496448



**Tritanomaly**  
196C62

# Monochromacy



**Original Color**  
007045



**Achromatopsia**  
4A4A4A



**Achromatomaly**  
2F5848

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007045 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 #007045 looks like.

```
.text, #text, p{  
    color:#007045  
}
```

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 #007045 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007045  
}
```

## Border

The CSS property to change the border of an element to Hex 007045 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  
#007045 }
```

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

```
.border{ border-color:#007045 }
```

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

Here you see how a box with a 4 pixel #007045 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007045; -webkit-box-shadow:4px 4px  
4px 4px #007045; box-shadow:4px 4px 4px  
4px #007045 }
```

# Background

The CSS property to change the background color of an element to Hex 007045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007045 }
```

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

```
.background{ background-color:#007045 }
```

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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