

# Converting Colors

Hex(007955)

Have a look what the booklet for  
Hex(007955) contains.

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# Color

Hex(007955)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	007955
RGB	0, 121, 85
RGB Percent	0%, 47%, 33%
CMY	1.0000, 0.5255, 0.6667
CMYK	1.00, 0.00, 0.30, 0.53
HSL	162°, 100%, 24%
HSV	162°, 100%, 47%
XYZ	8.4771, 14.3306, 10.9136
YIQ	80.7170, -60.5600, -36.8480

# Conversions

## Conversions Part 2

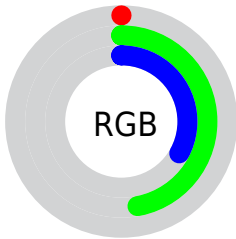
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 71, 121
Decimal	31061
CIELab	44.70, -38.26, 11.76
CIELCh	45, 40.024, 162.917
Yxy	14.3306, 0.2514, 0.4250
Android (android.graphics.Color)	4278221141 (0xFF007955)
YUV	80.7170, 2.1115, -70.7888
Hunter-Lab	37.8558, -26.2761, 9.4061

# Details

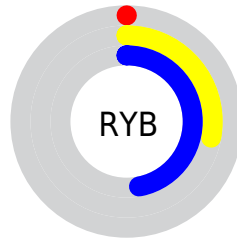
The Hex color **007955** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **790024**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **4DAE87**, and **004728** is the 20% darker color. If you saturate the color by 10%, you get **007955**, and if you desaturate by 10%, it is **0C7959**.

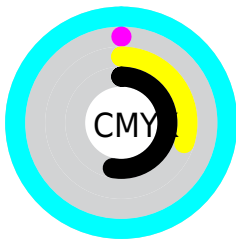
# Distribution



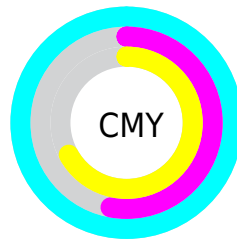
- Red (0%)
- Green (47%)
- Blue (33%)



- Red (0%)
- Yellow (28%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (53%)



- Cyan (100%)
- Magenta (53%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007955 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 007955 by changing the saturation by 10% instead.



 007955

 007955

FFFFFF

 00603E

 4DAE87

 004728

 69CAA1

 003013

 85E6BC

 001900

 A1FFD8

 000000

 BEFFF4

 DBFFFF

 F8FFFF

 007955

 0C7959

 18795C

 247960

 307963

 3C7967

 49796B

 55796E

 617972

 6D7975

# Harmonies

## Analogous

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



4A7537



007955



007A78

# Triad

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



007955



4968AB



A1553E

# Complementary

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



007955



790024

# 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.



A84D5D



007955



7F5B9B

# Square

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



007955



0073A9



9D4F7E



8C6128

# Rectangle

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



007955



00798D



9D4F7E



A55147



# Sweetspot

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



007955



6F9E90



247900



334F47



CFCFCF



4F4F4F



# Same Dimension

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



007955



009E6F



006179



373D3B



007D58



00FCB1



# Inverse Universe

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



790024



9E002F



791800



3D3739



7D0025



FC004B



# Previews

## White Background



This preview shows how the Hex color 007955 looks on a white background.

## Color Contrast Check

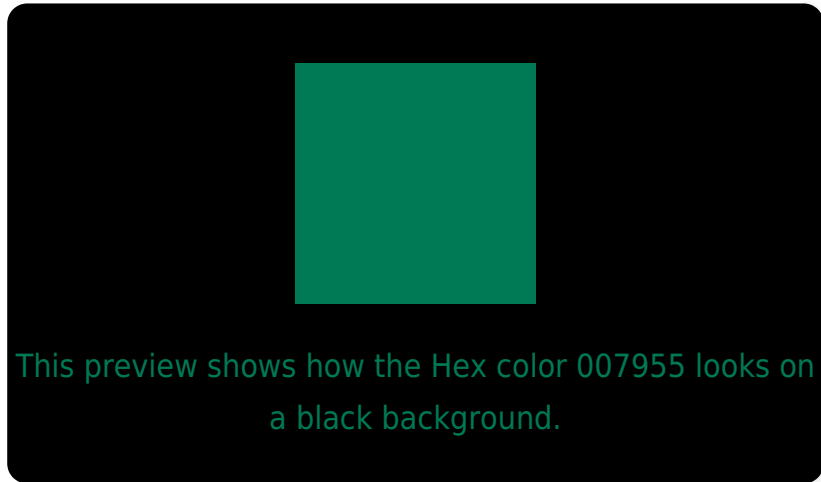
Large Text (above 18pt) WCAG AA ✓ Pass

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

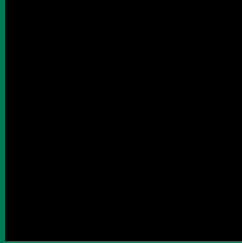
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 007955 Background



This preview shows how black text looks on a background with the Hex color 007955.



This preview shows how white text looks on a background with the Hex color 007955.

# 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**  
007955

**Protanopia**  
71694E

**Deuteranopia**  
796559



**Tritanopia**  
29747D

# Trichromacy



**Original Color**  
007955



**Protanomaly**  
486F51



**Deuteranomaly**  
4D6C58



**Tritanomaly**  
1A766E

# Monochromacy



**Original Color**  
007955



**Achromatopsia**  
515151



**Achromatomaly**  
346052

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007955 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 #007955 looks like.

```
.text, #text, p{  
    color:#007955  
}
```

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 #007955 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007955
}
```

## Border

The CSS property to change the border of an element to Hex 007955 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
#007955 }
```

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

```
.border{ border-color:#007955 }
```

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

Here you see how a box with a 4 pixel #007955 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007955; -webkit-box-shadow:4px 4px  
4px 4px #007955; box-shadow:4px 4px 4px  
4px #007955 }
```

# Background

The CSS property to change the background color of an element to Hex 007955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007955 }
```

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

```
.background{ background-color:#007955 }
```

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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