

# Converting Colors

Hex(007E31)

Have a look what the booklet for  
Hex(007E31) contains.

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# Color

Hex(007E31)

# Conversions

## Conversions Part 1

Format	Color
Hex	007E31
RGB	0, 126, 49
RGB Percent	0%, 49%, 19%
CMY	1.0000, 0.5059, 0.8078
CMYK	1.00, 0.00, 0.61, 0.51
HSL	143°, 100%, 25%
HSV	143°, 100%, 49%
XYZ	8.0152, 15.1435, 5.4063
YIQ	79.5480, -50.3790, -50.6590

# Conversions

## Conversions Part 2

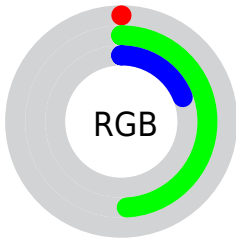
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 91, 126</a>
Decimal	<a href="#">32305</a>
CIELab	<a href="#">45.83, -47.25, 33.09</a>
CIELCh	<a href="#">46, 57.685, 144.991</a>
Yxy	<a href="#">15.1435, 0.2806, 0.5301</a>
Android (android.graphics.Color)	<a href="#">4278222385 (0xFF007E31)</a>
YUV	<a href="#">79.5480, -15.0602, -69.7636</a>
Hunter-Lab	<a href="#">38.9146, -31.3349, 19.0033</a>

# Details

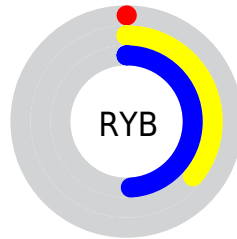
The Hex color **007E31** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **7E004D**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **4FB462**, and **004B00** is the 20% darker color. If you saturate the color by 10%, you get **007E31**, and if you desaturate by 10%, it is **0D7E39**.

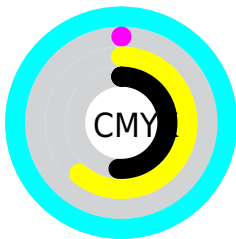
# Distribution



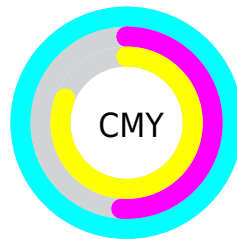
- Red (0%)
- Green (49%)
- Blue (19%)



- Red (0%)
- Yellow (36%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (51%)



- Cyan (100%)
- Magenta (51%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007E31 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 007E31 by changing the saturation by 10% instead.



 007E31

 007E31

FFFFFF

 006419

 4FB462

 004B00

 6BD07B

 003400

 88EC96

 001D00

 A4FFB1

 000000

 C1FFCC

 DEFFE9

 FCFFFF

 007E31

 0D7E39

 197E40

 267E48


 327E50

 3F7E58

 4C7E5F

 587E67

 657E6F

 717E76

# Harmonies

## Analogous

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



5C7600



007E31



008263

# Triad

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



007E31



0075CD



C03E47

# Complementary

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



007E31



7E004D

# 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.



BD3977



007E31



5A63C5

# Square

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



007E31



007FBB



9E4CA5



AD531A

# Rectangle

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



007E31



008384



9E4CA5



C23A56



# Sweetspot

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



007E31



72A385



4E7E00



345240



D1D1D1



525252



# Same Dimension

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



007E31



00A33F



007E6F



39403C



008032



000000



# Inverse Universe

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



7E004D



A30064



7E000F



40393D



80004E



000000



# Previews

## White Background



This preview shows how the Hex color 007E31 looks on a white background.

## Color Contrast Check

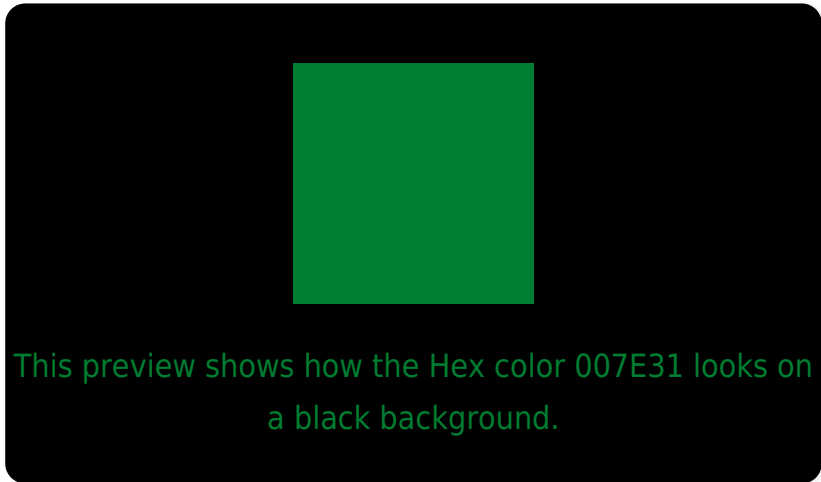
Large Text (above 18pt) WCAG AA ✓ Pass

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 007E31 Background



This preview shows how black text looks on a background with the Hex color 007E31.



This preview shows how white text looks on a background with the Hex color 007E31.

# 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





**Tritanopia**  
327680

# Trichromacy



**Original Color**  
007E31



**Protanomaly**  
4D732E



**Deuteranomaly**  
556F35



**Tritanomaly**  
207963

# Monochromacy



**Original Color**  
007E31



**Achromatopsia**  
505050



**Achromatomaly**  
336145

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007E31 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 #007E31 looks like.

```
.text, #text, p{  
    color:#007E31  
}
```

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 #007E31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007E31
}
```

## Border

The CSS property to change the border of an element to Hex 007E31 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
#007E31 }
```

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

```
.border{ border-color:#007E31 }
```

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

Here you see how a box with a 4 pixel #007E31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007E31; -webkit-box-shadow:4px 4px  
4px 4px #007E31; box-shadow:4px 4px 4px  
4px #007E31 }
```

# Background

The CSS property to change the background color of an element to Hex 007E31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007E31 }
```

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

```
.background{ background-color:#007E31 }
```

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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