

# Converting Colors

Hex(007C31)

Have a look what the booklet for  
Hex(007C31) contains.

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**Color**

**Hex(007C31)**

# Conversions

## Conversions Part 1

Format	Color
Hex	007C31
RGB	0, 124, 49
RGB Percent	0%, 49%, 19%
CMY	1.0000, 0.5137, 0.8078
CMYK	1.00, 0.00, 0.60, 0.51
HSL	144°, 100%, 24%
HSV	144°, 100%, 49%
XYZ	7.7620, 14.6371, 5.3219
YIQ	78.3740, -49.8290, -49.6130

# Conversions

## Conversions Part 2

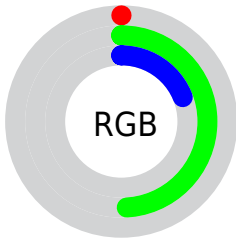
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 89, 124
Decimal	31793
CIELab	45.13, -46.58, 32.28
CIELCh	45, 56.667, 145.278
Yxy	14.6371, 0.2800, 0.5280
Android (android.graphics.Color)	4278221873 (0xFF007C31)
YUV	78.3740, -14.4814, -68.7340
Hunter-Lab	38.2584, -30.7374, 18.5335

# Details

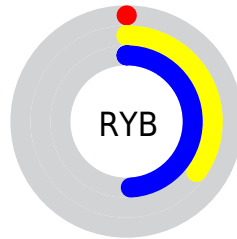
The Hex color **007C31** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **7C004B**, and the grayscale version is **4F4F4F**.

A 20% lighter version of the original color is **4EB262**, and **004900** is the 20% darker color. If you saturate the color by 10%, you get **007C31**, and if you desaturate by 10%, it is **0C7C38**.

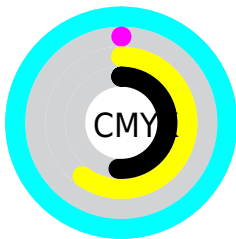
# Distribution



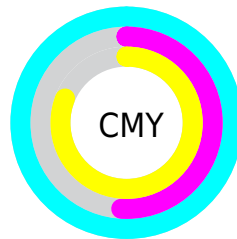
- Red (0%)
- Green (49%)
- Blue (19%)



- Red (0%)
- Yellow (35%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (51%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 007C31 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 007C31 by changing the saturation by 10% instead.



 007C31

 007C31

FFFFFF

 006219

 4EB262

 004900

 6ACE7B

 003200

 87EA95

 001B00

 A3FFB0

 000000

 C0FFCC

 DDFFE9

 FBFFFF

 007C31

 0C7C38

 197C40

 257C47

 327C4F

 3E7C56

 4A7C5E

 577C65

 637C6D

 707C75

# Harmonies

## Analogous

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



5A7400



007C31



008062

# Triad

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



007C31



0073CA



BD3E46

# Complementary

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



007C31



7C004B

# 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.



BA3974



007C31



5961C1

# Square

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



007C31



007CB8



9C4BA1



A9521A

# Rectangle

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



007C31



008082



9C4BA1



BF3955



# Sweetspot

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



007C31



70A183



4C7C00



345240



D1D1D1



525252



# Same Dimension

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



007C31



00A13F



007C6E



373D39



007D31



00FC64



# Inverse Universe

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



7C004B



A10061



7C000E



3D373B



7D004C



FC0099



# Previews

## White Background



This preview shows how the Hex color 007C31 looks on a white background.

## Color Contrast Check

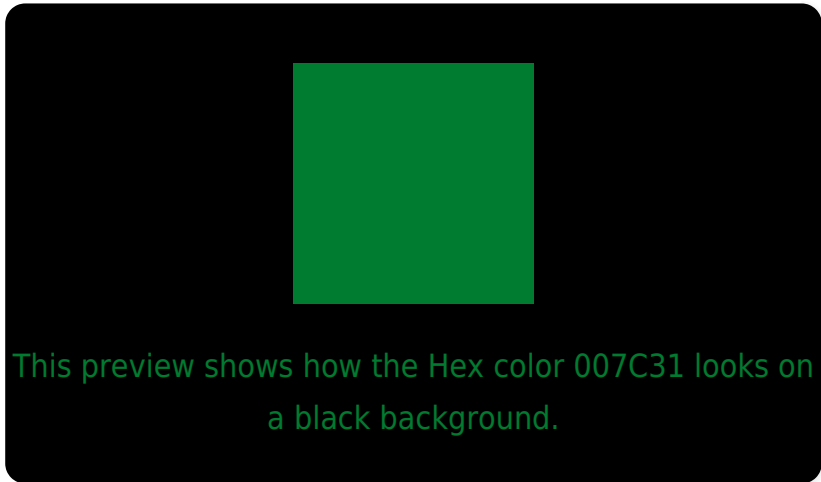
Large Text (above 18pt) WCAG AA ✓ Pass

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 007C31 Background



This preview shows how black text looks on a background with the Hex color 007C31.



This preview shows how white text looks on a background with the Hex color 007C31.

# 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**  
007C31

**Protanopia**  
776B2C

**Deuteranopia**  
836538



**Tritanopia**  
31747E

# Trichromacy



**Original Color**

007C31



**Protanomaly**

4C712E



**Deuteranomaly**

536D35



**Tritanomaly**

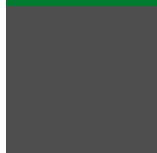
1F7762

# Monochromacy



**Original Color**

007C31



**Achromatopsia**

4E4E4E



**Achromatomaly**

325F43

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007C31 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 #007C31 looks like.

```
.text, #text, p{  
    color:#007C31  
}
```

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 #007C31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007C31
}
```

## Border

The CSS property to change the border of an element to Hex 007C31 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
#007C31 }
```

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

```
.border{ border-color:#007C31 }
```

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

Here you see how a box with a 4 pixel #007C31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007C31; -webkit-box-shadow:4px 4px  
4px 4px #007C31; box-shadow:4px 4px 4px  
4px #007C31 }
```

# Background

The CSS property to change the background color of an element to Hex 007C31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007C31 }
```

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

```
.background{ background-color:#007C31 }
```

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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