

# Converting Colors

Hex(003E31)

Have a look what the booklet for  
Hex(003E31) contains.

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# Color

**Hex(003E31)**

# Conversions

## Conversions Part 1

Format	Color
Hex	003E31
RGB	0, 62, 49
RGB Percent	0%, 24%, 19%
CMY	1.0000, 0.7569, 0.8078
CMYK	1.00, 0.00, 0.21, 0.76
HSL	167°, 100%, 12%
HSV	167°, 100%, 24%
XYZ	2.2770, 3.6670, 3.4935
YIQ	41.9800, -32.7790, -17.1870

# Conversions

## Conversions Part 2

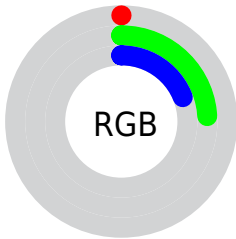
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 35, 62
Decimal	15921
CIELab	22.54, -21.98, 2.89
CIELCh	23, 22.166, 172.499
Yxy	3.6670, 0.2413, 0.3886
Android (android.graphics.Color)	4278206001 (0xFF003E31)
YUV	41.9800, 3.4609, -36.8165
Hunter-Lab	19.1494, -12.2865, 2.5880

# Details

The Hex color **003E31** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3E000D**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **386E5F**, and **001002** is the 20% darker color. If you saturate the color by 10%, you get **003E31**, and if you desaturate by 10%, it is **063E32**.

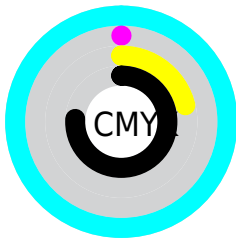
# Distribution



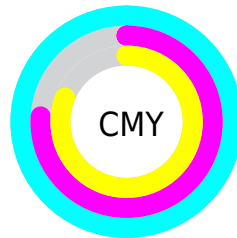
- Red (0%)
- Green (24%)
- Blue (19%)



- Red (0%)
- Yellow (14%)
- Blue (24%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (76%)



- Cyan (100%)
- Magenta (76%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 003E31 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 003E31 by changing the saturation by 10% instead.



 003E31

 003E31

 F5FFFF

 00281C

 386E5F

 001002

 518878

 000000

 6BA291

 85BDAC

 A0D9C7

 BCF6E3

 D8FFFF

 003E31

■ 063E32

■ 0C3E34

■ 133E35

■ 193E36

■ 1F3E38

■ 253E39

■ 2B3E3A

■ 323E3B

■ 383E3D

# Harmonies

## Analogous

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



203C21



003E31



003E42

# Triad

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



003E31



313354



4F2D1C

# Complementary

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



003E31



3E000D

# 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.



55292A



003E31



462D4A

# Square

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



003E31



0D3956



52283B



433314

# Rectangle

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



003E31



003D4C



52283B



522C20



# Sweetspot

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



003E31



39524C



0D3E00



1A2926



A8A8A8



292929



# Same Dimension

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



003E31



005240



002C3E



1C1F1E



005E4B



00DEAF



# Inverse Universe

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



3E000D



520011



3E1200



1F1C1C



5E0014

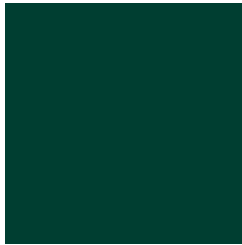


DE002F



# Previews

## White Background



This preview shows how the Hex color 003E31 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 ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

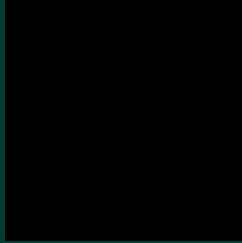
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 003E31 Background



This preview shows how black text looks on a background with the Hex color 003E31.



This preview shows how white text looks on a background with the Hex color 003E31.

# 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**  
003E31

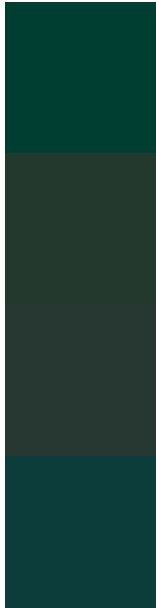
**Protanopia**  
39362D

**Deuteranopia**  
3D3433



**Tritanopia**  
133C41

# Trichromacy



**Original Color**  
003E31

**Protanomaly**  
24392E

**Deuteranomaly**  
273832

**Tritanomaly**  
0C3D3B

# Monochromacy



**Original Color**  
003E31

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
1B312D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 003E31 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 #003E31 looks like.

```
.text, #text, p{  
    color:#003E31  
}
```

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 #003E31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #003E31
}
```

## Border

The CSS property to change the border of an element to Hex 003E31 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
#003E31 }
```

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

```
.border{ border-color:#003E31 }
```

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

Here you see how a box with a 4 pixel #003E31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #003E31; -webkit-box-shadow:4px 4px  
4px 4px #003E31; box-shadow:4px 4px 4px  
4px #003E31 }
```

# Background

The CSS property to change the background color of an element to Hex 003E31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#003E31 }
```

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

```
.background{ background-color:#003E31 }
```

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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