

Converting Colors

Hex(006A51)

Have a look what the booklet for
Hex(006A51) contains.

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Color

Hex(006A51)

Conversions

Conversions Part 1

Format	Color
Hex	006A51
RGB	0, 106, 81
RGB Percent	0%, 42%, 32%
CMY	1.0000, 0.5843, 0.6824
CMYK	1.00, 0.00, 0.24, 0.58
HSL	166°, 100%, 21%
HSV	166°, 100%, 42%
XYZ	6.6392, 10.9021, 9.5390
YIQ	71.4560, -55.1510, -30.2470

Conversions

Conversions Part 2

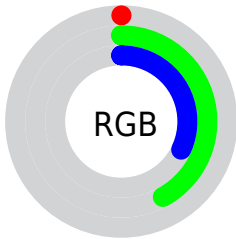
Format	Color
RYB	0, 60, 106
Decimal	27217
CIELab	39.42, -32.94, 6.72
CIELCh	39, 33.617, 168.475
Yxy	10.9021, 0.2452, 0.4026
Android (android.graphics.Color)	4278217297 (0xFF006A51)
YUV	71.4560, 4.7052, -62.6669
Hunter-Lab	33.0184, -21.8900, 5.9841

Details

The Hex color **006A51** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6A0019**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **489E82**, and **003A24** is the 20% darker color. If you saturate the color by 10%, you get **006A51**, and if you desaturate by 10%, it is **0B6A54**.

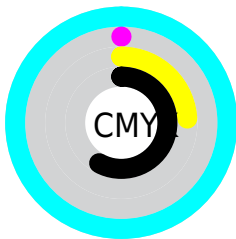
Distribution



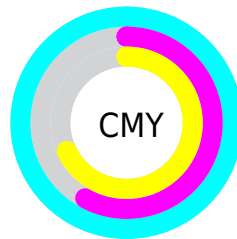
- Red (0%)
- Green (42%)
- Blue (32%)



- Red (0%)
- Yellow (24%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (58%)



- Cyan (100%)
- Magenta (58%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Hex color 006A51 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 006A51 by changing the saturation by 10% instead.

 006A51

 006A51

FFFFFF

 00513A

 489E82

 003A24

 64B99C

 002510

 7FD5B7

 000000

 9BF2D3

 B7FFEF

 D4FFFF

 F1FFFF

 006A51

■ 0B6A54

■ 156A56

■ 206A59

■ 2A6A5B

■ 356A5E

■ 406A60

■ 4A6A63

■ 556A65

■ 5F6A68

Harmonies

Analogous

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



3D6737



006A51



006B6D

Triad

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



006A51



4D5A91



884E35

Complementary

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



006A51



6A0019

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.



90464D



006A51



744F81

Square

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



006A51



006392



8A4769



765826

Rectangle

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



006A51



00697E



8A4769



8C4B3C

Sweetspot

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



006A51



608A80



1B6A00



2C453F



C4C4C4



454545

Same Dimension

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



006A51



008A69



00506A



303634



00755A



00F5BB

Inverse Universe

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



6A0019



8A0020



6A1B00



363031



75001C



F5003A

Previews

White Background



This preview shows how the Hex color 006A51 looks on a white background.

Color Contrast Check

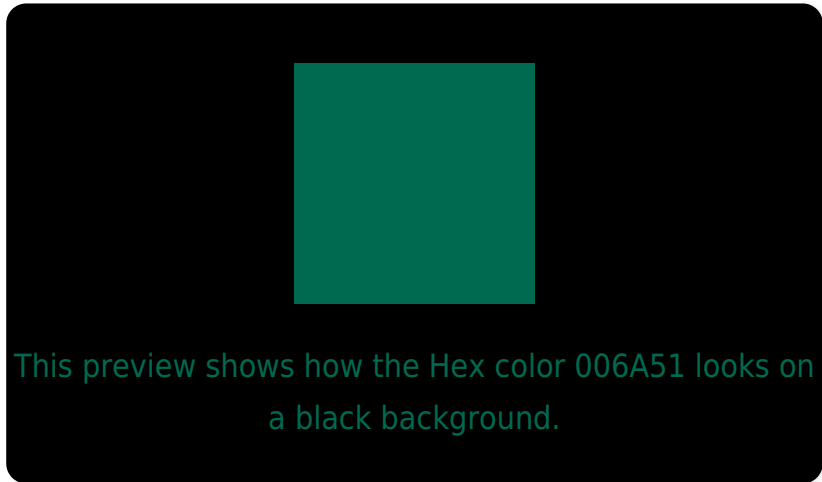
Large Text (above 18pt) WCAG AA ✓ Pass

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

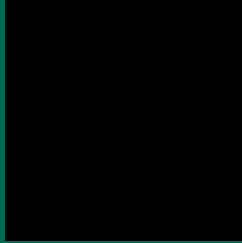
Any Text WCAG AA × Fail

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 006A51 Background



This preview shows how black text looks on a background with the Hex color 006A51.



This preview shows how white text looks on a background with the Hex color 006A51.

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
006A51

Protanopia
625D4A

Deuteranopia
695955



Tritanopia
21666E

Trichromacy



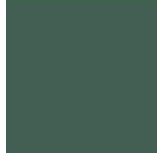
Original Color

006A51



Protanomaly

3E624D



Deuteranomaly

435F54



Tritanomaly

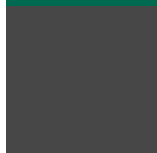
156763

Monochromacy



Original Color

006A51



Achromatopsia

474747



Achromatomaly

2D544B

CSS Examples

Text

The CSS property to change the color of the text to Hex 006A51 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 #006A51 looks like.

```
.text, #text, p{  
    color:#006A51  
}
```

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 #006A51 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #006A51
}
```

Border

The CSS property to change the border of an element to Hex 006A51 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
#006A51 }
```

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

```
.border{ border-color:#006A51 }
```

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

Here you see how a box with a 4 pixel #006A51 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #006A51; -webkit-box-shadow:4px 4px  
4px 4px #006A51; box-shadow:4px 4px 4px  
4px #006A51 }
```

Background

The CSS property to change the background color of an element to Hex 006A51 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#006A51 }
```

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

```
.background{ background-color:#006A51 }
```

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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