

# Converting Colors

Hex(106A48)

Have a look what the booklet for  
Hex(106A48) contains.

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# Color

**Hex(106A48)**

# Conversions

## Conversions Part 1

Format	Color
Hex	106A48
RGB	16, 106, 72
RGB Percent	6%, 42%, 28%
CMY	0.9373, 0.5843, 0.7176
CMYK	0.85, 0.00, 0.32, 0.58
HSL	157°, 74%, 24%
HSV	157°, 85%, 42%
XYZ	6.5374, 10.8861, 7.8876
YIQ	75.2140, -42.7260, -29.6540

# Conversions

## Conversions Part 2

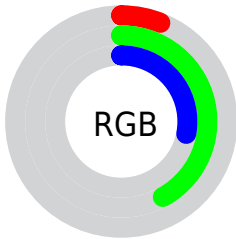
<b>Format</b>	<b>Color</b>
<b>RYB</b>	16, 71, 106
Decimal	1075784
CIELab	39.39, -33.88, 12.12
CIELCh	39, 35.984, 160.311
Yxy	10.8861, 0.2583, 0.4301
Android (android.graphics.Color)	4279265864 (0xFF106A48)
YUV	75.2140, -1.5845, -51.9307
Hunter-Lab	32.9941, -22.3719, 8.9220

# Details

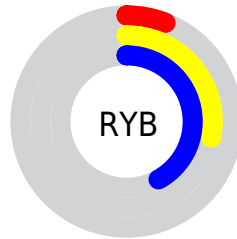
The Hex color **106A48** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6A1032**, and the grayscale version is **4B4B4B**.

A 20% lighter version of the original color is **4D9E79**, and **003A1C** is the 20% darker color. If you saturate the color by 10%, you get **056A44**, and if you desaturate by 10%, it is **1B6A4C**.

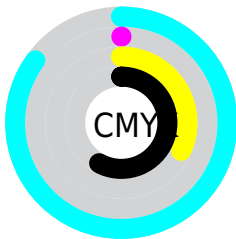
# Distribution



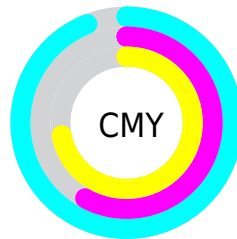
- Red (6%)
- Green (42%)
- Blue (28%)



- Red (6%)
- Yellow (28%)
- Blue (42%)



- Cyan (85%)
- Magenta (0%)
- Yellow (32%)
- Black (58%)



- Cyan (94%)
- Magenta (58%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 106A48 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 106A48 by changing the saturation by 10% instead.



 106A48

 106A48

FFFFFF

 005131

 4D9E79

 003A1C

 68B992

 002503

 83D5AD

 000000

 9FF2C8

 BBFFE4

 D8FFFF

 F5FFFF

 106A48

 106A48

■ 056A44

■ 1B6A4C

■ 006A42

■ 256A50

■ 306A54

■ 3A6A58

■ 456A5C

■ 506A60

■ 5A6A64

■ 656A68

■ 6F6A6C

# Harmonies

## Analogous

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



44662E



106A48



006B66

# Triad

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



106A48



3B5D96



8E4938

# Complementary

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



106A48



6A1032

# 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.



934354



106A48



6C518A

# Square

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



106A48



006594



884671



7D5425

# Rectangle

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



106A48



006B79



884671



914641



# Sweetspot

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



106A48



678A7D



336A10



30453D



C4C4C4



454545



# Same Dimension

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



106A48



008A56



105F6A



303634



007549



00F598



# Inverse Universe

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



6A1032



8A0034



6A1B10



363032



75002C

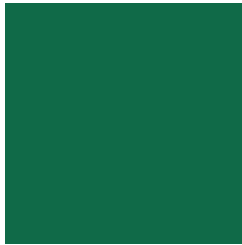


F5005C



# Previews

## White Background



This preview shows how the Hex color 106A48 looks on a white background.

## Color Contrast Check

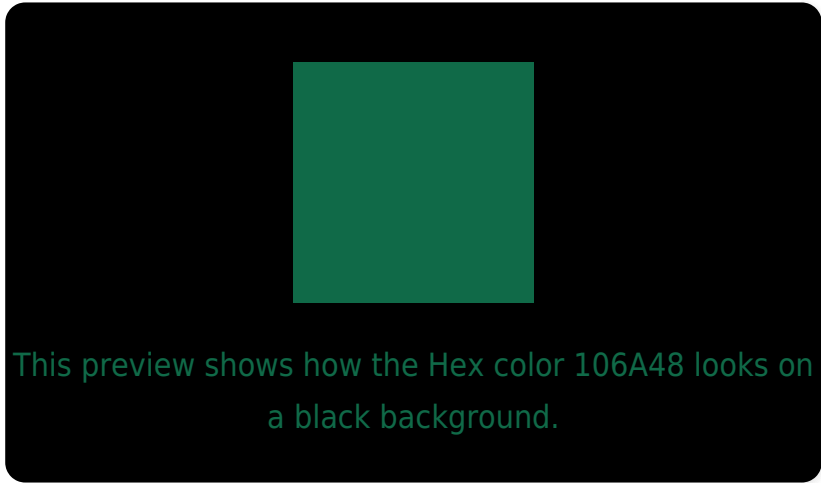
Large Text (above 18pt) WCAG AA ✓ Pass

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

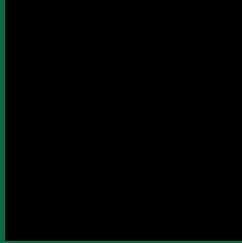
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 106A48 Background



This preview shows how black text looks on a background with the Hex color 106A48.



This preview shows how white text looks on a background with the Hex color 106A48.

# 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**  
106A48

**Protanopia**  
645C42

**Deuteranopia**  
6B594C



**Tritanopia**  
27656E

# Trichromacy



**Original Color**  
106A48

**Protanomaly**  
456144

**Deuteranomaly**  
4A5F4B

**Tritanomaly**  
1F6760

# Monochromacy



**Original Color**  
106A48

**Achromatopsia**  
4B4B4B

**Achromatomaly**  
36564A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 106A48 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 #106A48 looks like.

```
.text, #text, p{  
    color:#106A48  
}
```

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 #106A48 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #106A48
}
```

## Border

The CSS property to change the border of an element to Hex 106A48 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
#106A48 }
```

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

```
.border{ border-color:#106A48 }
```

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

Here you see how a box with a 4 pixel #106A48 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #106A48; -webkit-box-shadow:4px 4px  
4px 4px #106A48; box-shadow:4px 4px 4px  
4px #106A48 }
```

# Background

The CSS property to change the background color of an element to Hex 106A48 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#106A48 }
```

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

```
.background{ background-color:#106A48 }
```

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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