

# Converting Colors

Hex(16B075)

Have a look what the booklet for  
Hex(16B075) contains.

<b>Hex(16B075)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(16B075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	16B075
RGB	22, 176, 117
RGB Percent	9%, 69%, 46%
CMY	0.9137, 0.3098, 0.5412
CMYK	0.88, 0.00, 0.34, 0.31
HSL	157°, 78%, 39%
HSV	157°, 88%, 69%
XYZ	19.0671, 32.5056, 22.0989
YIQ	123.2280, -72.8450, -50.9970

# Conversions

## Conversions Part 2

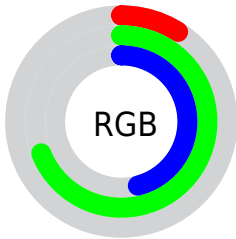
<b>Format</b>	<b>Color</b>
<b>RYB</b>	22, 117, 176
Decimal	1486965
CIELab	63.76, -51.09, 19.98
CIELCh	64, 54.858, 158.641
Yxy	32.5056, 0.2588, 0.4412
Android (android.graphics.Color)	4279677045 (0xFF16B075)
YUV	123.2280, -3.0704, -88.7770
Hunter-Lab	57.0137, -40.0781, 16.9284

# Details

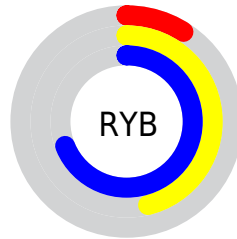
The Hex color **16B075** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **B01651**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **63E9A9**, and **007A44** is the 20% darker color. If you saturate the color by 10%, you get **04B06E**, and if you desaturate by 10%, it is **28B07C**.

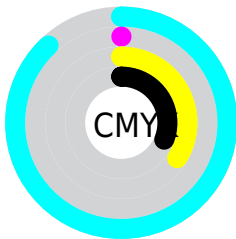
# Distribution



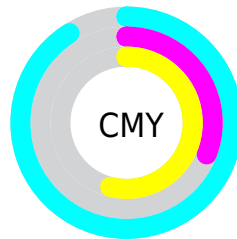
- Red (9%)
- Green (69%)
- Blue (46%)



- Red (9%)
- Yellow (46%)
- Blue (69%)



- Cyan (88%)
- Magenta (0%)
- Yellow (34%)
- Black (31%)



- Cyan (91%)
- Magenta (31%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 16B075 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 16B075 by changing the saturation by 10% instead.



 16B075

 16B075

FFFFFF

 00955C

 63E9A9

 007A44

 81FFC5

 00602D

 9FFFE1

 004718

 BDFFFE

 003000

 DBFFFF

 001600

 F9FFFF

 000000

 16B075

 16B075

 04B06E

 28B07C

■ 00B06D

■ 39B082

■ 4BB089

■ 5CB090

■ 6EB097

■ 80B09D

■ 91B0A4

■ A3B0AB

■ B4B0B2

# Harmonies

## Analogous

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



74A94A



16B075



00B3A8

# Triad

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



16B075



589BFB



ED7960

# Complementary

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



16B075



B01651

# 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.



F46E8E



16B075



B088E7

# Square

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



16B075



00A9F5



E175BF



D28B3D

# Rectangle

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



16B075



00B2C8



E175BF



F2746E



# Sweetspot

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



16B075



AAE6CF



51B016



4F7365



F2F2F2



737373



# Same Dimension

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



16B075



00E68E



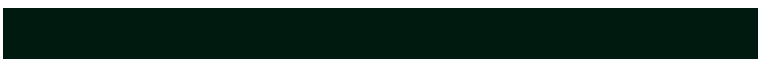
169EB0



505956



00995E



001A10



# Inverse Universe

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



B01651



E60058



B02816



595054



99003B



1A000A



# Previews

## White Background



This preview shows how the Hex color 16B075 looks on a white background.

## Color Contrast Check

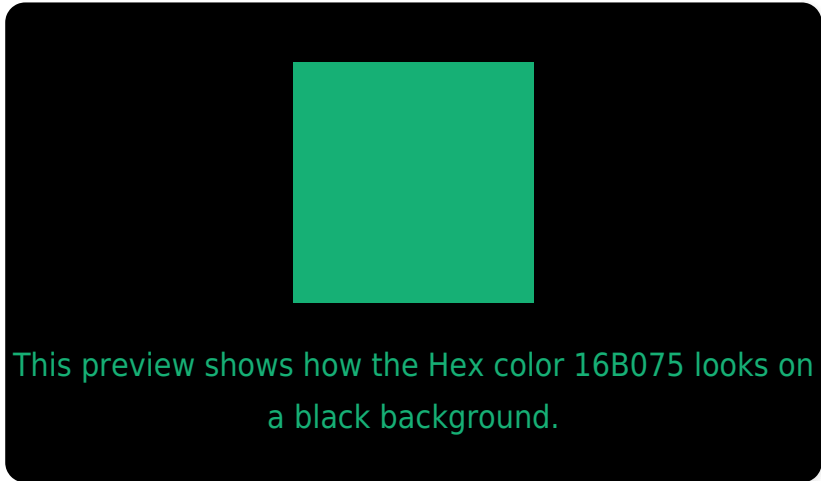
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

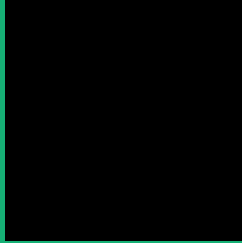
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 16B075 Background



This preview shows how black text looks on a background with the Hex color 16B075.

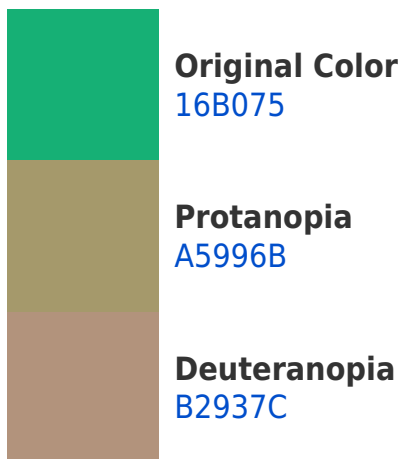


This preview shows how white text looks on a background with the Hex color 16B075.

# 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**  
40A8B6

# Trichromacy



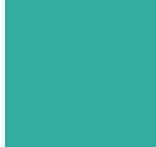
**Original Color**  
16B075



**Protanomaly**  
71A16F



**Deuteranomaly**  
799E79



**Tritanomaly**  
31AB9E

# Monochromacy



**Original Color**  
16B075



**Achromatopsia**  
7B7B7B



**Achromatomaly**  
568E79

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 16B075 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 #16B075 looks like.

```
.text, #text, p{  
    color:#16B075  
}
```

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 #16B075 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #16B075
}
```

## Border

The CSS property to change the border of an element to Hex 16B075 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
#16B075 }
```

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

```
.border{ border-color:#16B075 }
```

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

Here you see how a box with a 4 pixel #16B075 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #16B075; -webkit-box-shadow:4px 4px  
4px 4px #16B075; box-shadow:4px 4px 4px  
4px #16B075 }
```

# Background

The CSS property to change the background color of an element to Hex 16B075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#16B075 }
```

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

```
.background{ background-color:#16B075 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor