

# Converting Colors

Hex(16B66A)

Have a look what the booklet for  
Hex(16B66A) contains.

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**Color**

**Hex(16B66A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	16B66A
RGB	22, 182, 106
RGB Percent	9%, 71%, 42%
CMY	0.9137, 0.2863, 0.5843
CMYK	0.88, 0.00, 0.42, 0.29
HSL	152°, 78%, 40%
HSV	152°, 88%, 71%
XYZ	19.6603, 34.6671, 19.2909
YIQ	125.4960, -70.9640, -57.5560

# Conversions

## Conversions Part 2

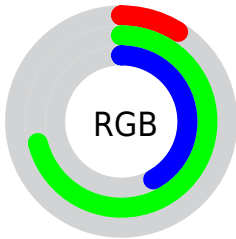
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 127, 182
Decimal	1488490
CIE <sub>Lab</sub>	65.49, -55.54, 28.17
CIE <sub>LCh</sub>	65, 62.277, 153.108
Yxy	34.6671, 0.2671, 0.4709
Android (android.graphics.Color)	4279678570 (0xFF16B66A)
YUV	125.4960, -9.6115, -90.7660
Hunter-Lab	58.8788, -43.4345, 21.7895

# Details

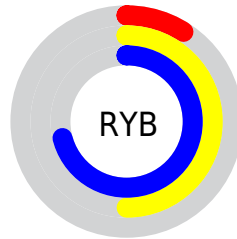
The Hex color **16B66A** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **B61662**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **64EF9E**, and **008039** is the 20% darker color. If you saturate the color by 10%, you get **04B661**, and if you desaturate by 10%, it is **28B673**.

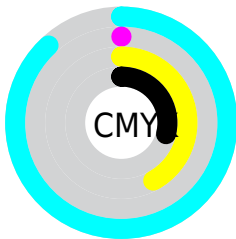
# Distribution



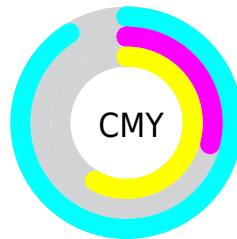
- Red (9%)
- Green (71%)
- Blue (42%)



- Red (9%)
- Yellow (50%)
- Blue (71%)



- Cyan (88%)
- Magenta (0%)
- Yellow (42%)
- Black (29%)



- Cyan (91%)
- Magenta (29%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 16B66A 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 16B66A by changing the saturation by 10% instead.



 16B66A

 16B66A

FFFFFF

 009A51

 64EF9E

 008039

 83FFB9

 006522

 A1FFD5

 004C0B

 BFFFF2

 003400

 DDDFFF

 001C00

 FFFFFFFF

 000000

 16B66A

 16B66A

 04B661

 28B673

 00B660

 3AB67B

 4DB684

 5FB68D

 71B695

 83B69E

 95B6A7

 A8B6AF

 BAB6B8

# Harmonies

## Analogous

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



7EAD3A



16B66A



00BAA3

# Triad

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



16B66A



03A4FF



FF7465

# Complementary

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



16B66A



B61662

# 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.



FF6A9B



16B66A



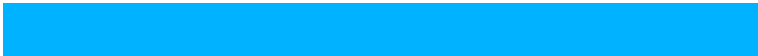
A88EFD

# Square

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



16B66A



00B2FF



E776D3



E38939

# Rectangle

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



16B66A



00BAC9



E776D3



FF6E77



# Sweetspot

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



16B66A



AFEDD0



63B616



537866



F7F7F7



787878



# Same Dimension

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



16B66A



00ED7D



16B3B6



535C57



009C52



001C0F



# Inverse Universe

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



B61662



ED0071



B61916



5C5357



9C004A



1C000D



# Previews

## White Background



This preview shows how the Hex color 16B66A 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



This preview shows how the Hex color 16B66A looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

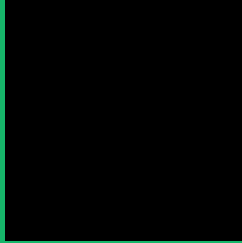
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 16B66A Background



This preview shows how black text looks on a background with the Hex color 16B66A.



This preview shows how white text looks on a background with the Hex color 16B66A.

# 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**  
45ADBB

# Trichromacy



**Original Color**  
16B66A



**Protanomaly**  
75A764



**Deuteranomaly**  
7FA26E



**Tritanomaly**  
34B09E

# Monochromacy



**Original Color**  
16B66A



**Achromatopsia**  
7D7D7D



**Achromatomaly**  
589276

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 16B66A 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 #16B66A looks like.

```
.text, #text, p{  
    color:#16B66A  
}
```

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 #16B66A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #16B66A
}
```

## Border

The CSS property to change the border of an element to Hex 16B66A 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
#16B66A }
```

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

```
.border{ border-color:#16B66A }
```

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

Here you see how a box with a 4 pixel #16B66A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #16B66A; -webkit-box-shadow:4px 4px  
4px 4px #16B66A; box-shadow:4px 4px 4px  
4px #16B66A }
```

# Background

The CSS property to change the background color of an element to Hex 16B66A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#16B66A }
```

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

```
.background{ background-color:#16B66A }
```

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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