

# Converting Colors

Hex(156B69)

Have a look what the booklet for  
Hex(156B69) contains.

<b>Hex(156B69)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(156B69)**

# Conversions

## Conversions Part 1

Format	Color
Hex	156B69
RGB	21, 107, 105
RGB Percent	8%, 42%, 41%
CMY	0.9176, 0.5804, 0.5882
CMYK	0.80, 0.00, 0.02, 0.58
HSL	179°, 67%, 25%
HSV	179°, 80%, 42%
XYZ	8.1168, 11.6947, 15.1941
YIQ	81.0580, -50.6140, -18.8540

# Conversions

## Conversions Part 2

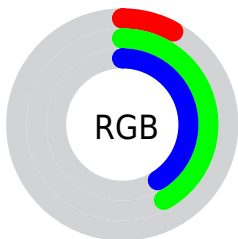
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	21, 65, 107
Decimal	1403753
CIE <sub>Lab</sub>	40.73, -24.33, -5.93
CIE <sub>LCh</sub>	41, 25.041, 193.704
Yxy	11.6947, 0.2319, 0.3341
Android (android.graphics.Color)	4279593833 (0xFF156B69)
<b>YUV</b>	81.0580, 11.8034, -52.6709
Hunter-Lab	34.1976, -17.4790, -2.4045

# Details

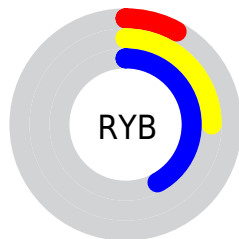
The Hex color **156B69** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6B1517**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **529F9C**, and **003B3A** is the 20% darker color. If you saturate the color by 10%, you get **0A6B69**, and if you desaturate by 10%, it is **206B69**.

# Distribution



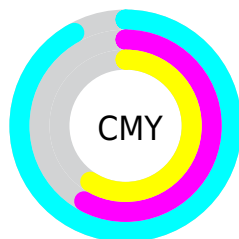
- Red (8%)
- Green (42%)
- Blue (41%)



- Red (8%)
- Yellow (25%)
- Blue (42%)



- Cyan (80%)
- Magenta (0%)
- Yellow (2%)
- Black (58%)



- Cyan (92%)
- Magenta (58%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 156B69 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 156B69 by changing the saturation by 10% instead.





156B69



156B69

FFFFFF



005251



529F9C



003B3A



6EBAB7



002524



89D6D3



000610



A5F2EF



000000



C1FFFF



DEFFFF



FCFFFF



156B69



156B69

■ 0A6B69

■ 206B69

■ 006B69

■ 2A6B69

■ 356B6A

■ 406B6A

■ 4A6B6A

■ 556B6A

■ 606B6B

■ 6B6B6B

■ 756B6B

# Harmonies

## Analogous

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



336A54



156B69



09697C

# Triad

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



156B69



6E577E



775B39

# Complementary

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



156B69



6B1517

# 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.



845445



156B69



81516C

# Square

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



156B69



525F88



885057



646238

# Rectangle

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



156B69



216784



885057



7C593C



# Sweetspot

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



156B69



6B8C8B



186B15



334747



C7C7C7



474747



# Same Dimension

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



156B69



068C89



15436B



303635



007573



00F5EF



# Inverse Universe

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



6B1517



8C0609



6B3D15



363030



750003



F50006



# Previews

## White Background



This preview shows how the Hex color 156B69 looks on a white background.

## Color Contrast Check

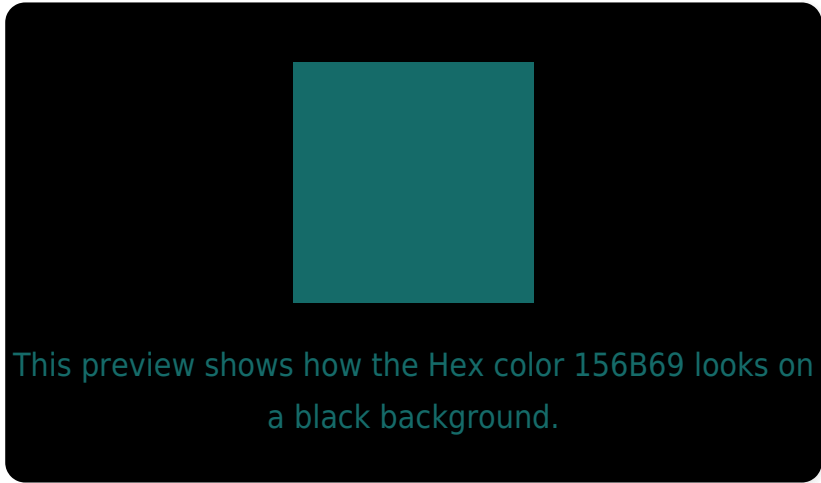
Large Text (above 18pt) WCAG AA ✓ Pass

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

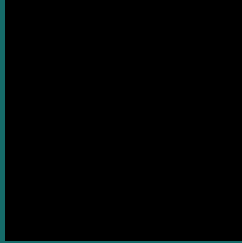
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 156B69 Background



This preview shows how black text looks on a background with the Hex color 156B69.

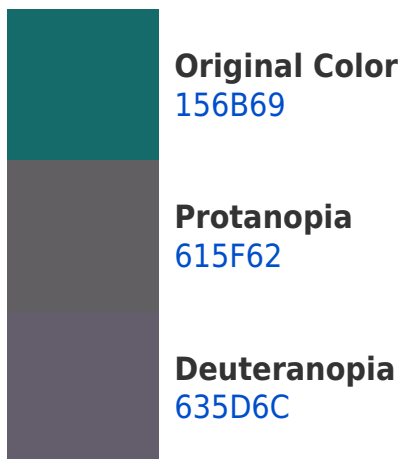



This preview shows how white text looks on a background with the Hex color 156B69.

# 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](#).

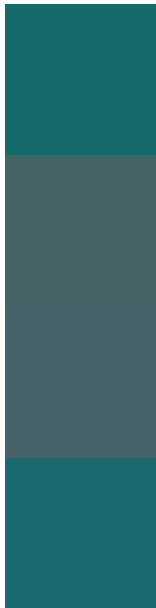
## Dichromacy





**Tritanopia**  
1D6A72

# Trichromacy



**Original Color**  
156B69

**Protanomaly**  
456365

**Deuteranomaly**  
47626B

**Tritanomaly**  
1A6A6F

# Monochromacy



**Original Color**  
156B69

**Achromatopsia**  
515151

**Achromatomaly**  
3B5A5A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 156B69 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 #156B69 looks like.

```
.text, #text, p{  
    color:#156B69  
}
```

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 #156B69 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #156B69
}
```

## Border

The CSS property to change the border of an element to Hex 156B69 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
#156B69 }
```

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

```
.border{ border-color:#156B69 }
```

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

Here you see how a box with a 4 pixel #156B69 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #156B69; -webkit-box-shadow:4px 4px  
4px 4px #156B69; box-shadow:4px 4px 4px  
4px #156B69 }
```

# Background

The CSS property to change the background color of an element to Hex 156B69 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#156B69 }
```

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

```
.background{ background-color:#156B69 }
```

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