

Converting Colors

Hex(166D62)

Have a look what the booklet for
Hex(166D62) contains.

Hex(166D62)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(166D62)

Conversions

Conversions Part 1

Format	Color
Hex	166D62
RGB	22, 109, 98
RGB Percent	9%, 43%, 38%
CMY	0.9137, 0.5725, 0.6157
CMYK	0.80, 0.00, 0.10, 0.57
HSL	172°, 66%, 26%
HSV	172°, 80%, 43%
XYZ	8.0041, 11.9897, 13.4477
YIQ	81.7330, -48.3210, -21.8650

Conversions

Conversions Part 2

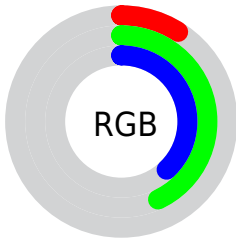
Format	Color
R_{YB}	22, 68, 109
Decimal	1469794
CIE _{Lab}	41.20, -27.39, -0.98
CIE _{LCh}	41, 27.408, 182.048
Yxy	11.9897, 0.2393, 0.3585
Android (android.graphics.Color)	4279659874 (0xFF166D62)
YUV	81.7330, 8.0196, -52.3858
Hunter-Lab	34.6261, -19.3340, 1.2120

Details

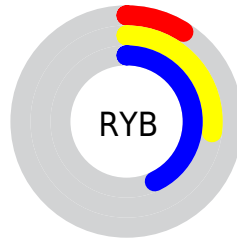
The Hex color **166D62** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6D1621**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **52A195**, and **003D34** is the 20% darker color. If you saturate the color by 10%, you get **0B6D61**, and if you desaturate by 10%, it is **216D63**.

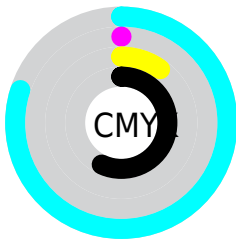
Distribution



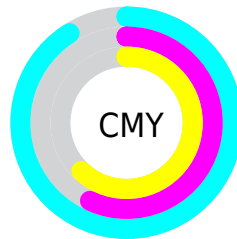
- Red (9%)
- Green (43%)
- Blue (38%)



- Red (9%)
- Yellow (27%)
- Blue (43%)



- Cyan (80%)
- Magenta (0%)
- Yellow (10%)
- Black (57%)



- Cyan (91%)
- Magenta (57%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Hex color 166D62 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 166D62 by changing the saturation by 10% instead.

 166D62

 166D62

FFFFFF

 00544A

 52A195

 003D34

 6EBCAF

 00271F

 89D8CB

 000807

 A5F5E7

 000000

 C1FFFF

 DEFFFF

 FBFFFF

 166D62

 166D62

■ 0B6D61

■ 216D63

■ 006D5F

■ 2C6D65

■ 376D66

■ 426D68

■ 4C6D69

■ 576D6A

■ 626D6C

■ 6D6D6D

■ 786D6E

Harmonies

Analogous

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



3B6B4B



166D62



006C78

Triad

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



166D62



655B87



81583A

Complementary

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



166D62



6D1621

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.



8B524A



166D62



7F5377

Square

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



166D62



41638E



8B4F60



6E6034

Rectangle

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



166D62



006A84



8B4F60



85563F

Sweetspot

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



166D62



6D8F8A



226D16



334745



C7C7C7



474747

Same Dimension

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



166D62



068F7D



164D6D



303635



007566



00F5D6

Inverse Universe

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



6D1621



8F0617



6D3616



363031



75000F



F5001F

Previews

White Background



This preview shows how the Hex color 166D62 looks on a white background.

Color Contrast Check

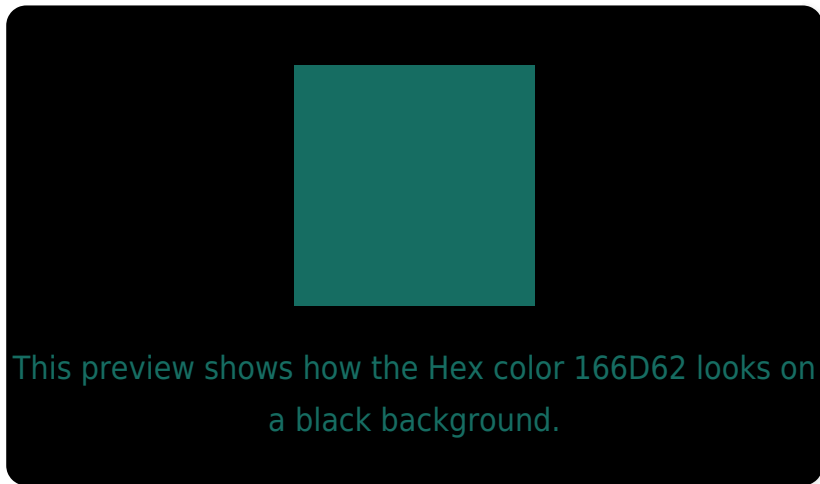
Large Text (above 18pt) WCAG AA ✓ Pass

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

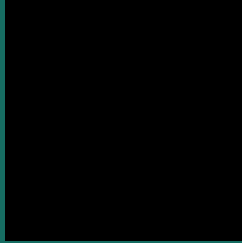
Any Text WCAG AA × Fail

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 166D62 Background



This preview shows how black text looks on a background with the Hex color 166D62.

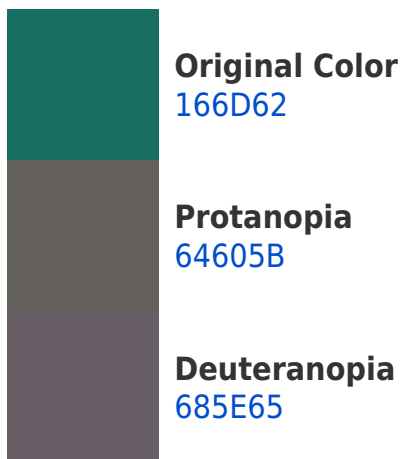


This preview shows how white text looks on a background with the Hex color 166D62.

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
226B73

Trichromacy



Original Color
166D62

Protanomaly
48655E

Deuteranomaly
4A6364

Tritanomaly
1E6C6D

Monochromacy



Original Color
166D62

Achromatopsia
525252

Achromatomaly
3C5C58

CSS Examples

Text

The CSS property to change the color of the text to Hex 166D62 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 #166D62 looks like.

```
.text, #text, p{  
    color:#166D62  
}
```

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 #166D62 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #166D62
}
```

Border

The CSS property to change the border of an element to Hex 166D62 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
#166D62 }
```

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

```
.border{ border-color:#166D62 }
```

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

Here you see how a box with a 4 pixel #166D62 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #166D62; -webkit-box-shadow:4px 4px  
4px 4px #166D62; box-shadow:4px 4px 4px  
4px #166D62 }
```

Background

The CSS property to change the background color of an element to Hex 166D62 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#166D62 }
```

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

```
.background{ background-color:#166D62 }
```

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