

# Converting Colors

Hex(22A76C)

Have a look what the booklet for  
Hex(22A76C) contains.

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**Color**

**Hex(22A76C)**

# Conversions

## Conversions Part 1

Format	Color
Hex	22A76C
RGB	34, 167, 108
RGB Percent	13%, 65%, 42%
CMY	0.8667, 0.3451, 0.5765
CMYK	0.80, 0.00, 0.35, 0.35
HSL	153°, 66%, 39%
HSV	153°, 80%, 65%
XYZ	17.1852, 29.0602, 18.8908
YIQ	120.5070, -60.3290, -46.5450

# Conversions

## Conversions Part 2

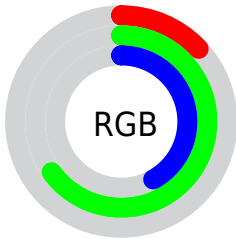
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 119, 167
Decimal	2271084
CIELab	60.83, -48.45, 20.93
CIELCh	61, 52.778, 156.641
Yxy	29.0602, 0.2638, 0.4461
Android (android.graphics.Color)	4280461164 (0xFF22A76C)
YUV	120.5070, -6.1660, -75.8666
Hunter-Lab	53.9075, -37.4342, 16.9583

# Details

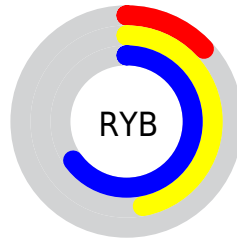
The Hex color **22A76C** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **A7225D**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **66DFA0**, and **00723C** is the 20% darker color. If you saturate the color by 10%, you get **11A765**, and if you desaturate by 10%, it is **33A773**.

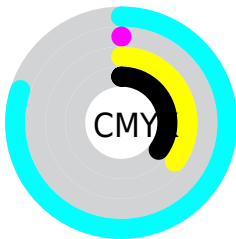
# Distribution



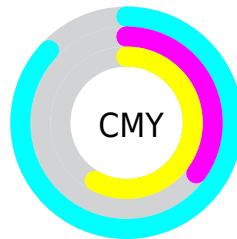
- Red (13%)
- Green (65%)
- Blue (42%)



- Red (13%)
- Yellow (47%)
- Blue (65%)



- Cyan (80%)
- Magenta (0%)
- Yellow (35%)
- Black (35%)



- Cyan (87%)
- Magenta (35%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 22A76C 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 22A76C by changing the saturation by 10% instead.



 22A76C

 22A76C

FFFFFF

 008C53

 66DFA0

 00723C

 83FCBB

 005825

 A0FFD7

 004010

 BEFFF3

 002A00

 DBFFFF

 000600

 F9FFFF

 000000

 22A76C

 22A76C

 11A765

 33A773

■ 01A75D

■ 43A77B

■ 00A75D

■ 54A782

■ 65A78A

■ 75A791

■ 86A798

■ 97A7A0

■ A8A7A7

■ B8A7AF

# Harmonies

## Analogous

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



72A044



22A76C



00AA9C

# Triad

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



22A76C



4B94EF



E3725E

# Complementary

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



22A76C



A7225D

# 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.



E8698A



22A76C



A382DE

# Square

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



22A76C



00A1E8



D470B9



CA833C

# Rectangle

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



22A76C



00A9BB



D470B9



E76D6C



# Sweetspot

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



22A76C



A5D9C2



5EA722



4E6E60



EDEDED



6E6E6E



# Same Dimension

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



22A76C



09D97C



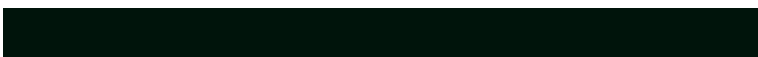
22A0A7



4C5450



009452



00140B



# Inverse Universe

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



A7225D



D90965



A72922



544C4F



940042



140009



# Previews

## White Background



This preview shows how the Hex color 22A76C looks on a white background.

## Color Contrast Check

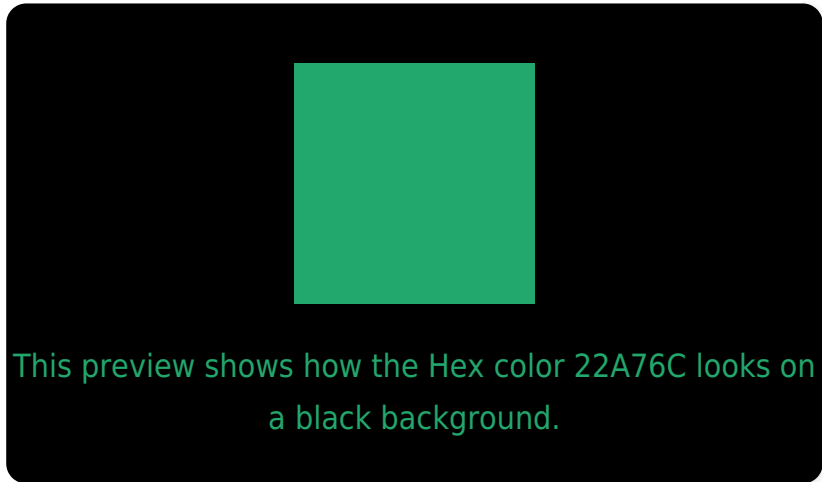
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# 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 × Fail

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



## Hex 22A76C Background



This preview shows how black text looks on a background with the Hex color 22A76C.

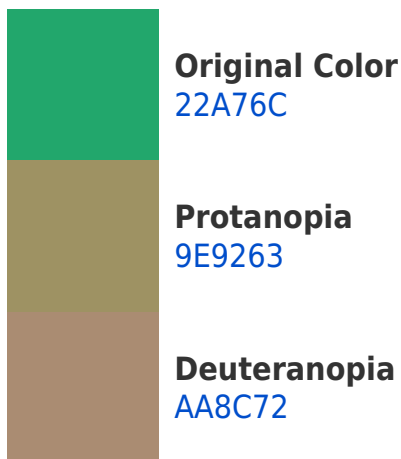


This preview shows how white text looks on a background with the Hex color 22A76C.

# 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





# Trichromacy



**Original Color**  
22A76C



**Protanomaly**  
719A66



**Deuteranomaly**  
799670



**Tritanomaly**  
36A295

# Monochromacy



**Original Color**  
22A76C



**Achromatopsia**  
797979



**Achromatomaly**  
598A74

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 22A76C 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 #22A76C looks like.

```
.text, #text, p{  
    color:#22A76C  
}
```

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 #22A76C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22A76C
}
```

## Border

The CSS property to change the border of an element to Hex 22A76C 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
#22A76C }
```

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

```
.border{ border-color:#22A76C }
```

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

Here you see how a box with a 4 pixel #22A76C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #22A76C; -webkit-box-shadow:4px 4px  
4px 4px #22A76C; box-shadow:4px 4px 4px  
4px #22A76C }
```

# Background

The CSS property to change the background color of an element to Hex 22A76C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22A76C }
```

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

```
.background{ background-color:#22A76C }
```

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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