

# Converting Colors

Hex(12AA77)

Have a look what the booklet for  
Hex(12AA77) contains.

<b>Hex(12AA77)</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(12AA77)**

# Conversions

## Conversions Part 1

Format	Color
Hex	12AA77
RGB	18, 170, 119
RGB Percent	7%, 67%, 47%
CMY	0.9294, 0.3333, 0.5333
CMYK	0.89, 0.00, 0.30, 0.33
HSL	160°, 81%, 37%
HSV	160°, 89%, 67%
XYZ	17.9540, 30.2100, 22.3376
YIQ	118.7380, -74.2210, -48.0850

# Conversions

## Conversions Part 2

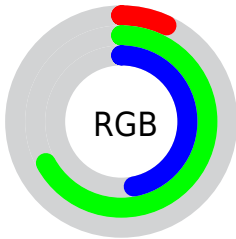
Format	Color
<a href="#">RYB</a>	<a href="#">18, 109, 170</a>
Decimal	<a href="#">1223287</a>
CIELab	<a href="#">61.83, -48.61, 16.24</a>
CIELCh	<a href="#">62, 51.250, 161.524</a>
Yxy	<a href="#">30.2100, 0.2547, 0.4285</a>
Android (android.graphics.Color)	<a href="#">4279413367 (0xFF12AA77)</a>
YUV	<a href="#">118.7380, 0.1292, -88.3472</a>
Hunter-Lab	<a href="#">54.9636, -37.8789, 14.3786</a>

# Details

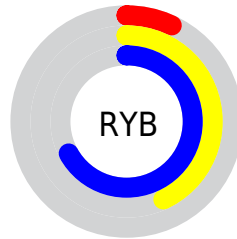
The Hex color **12AA77** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **AA1245**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **60E2AB**, and **007446** is the 20% darker color. If you saturate the color by 10%, you get **01AA71**, and if you desaturate by 10%, it is **23AA7D**.

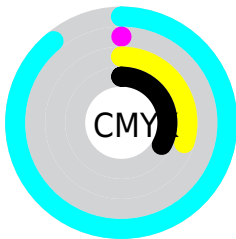
# Distribution



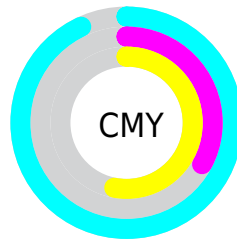
- Red (7%)
- Green (67%)
- Blue (47%)



- Red (7%)
- Yellow (43%)
- Blue (67%)



- Cyan (89%)
- Magenta (0%)
- Yellow (30%)
- Black (33%)



- Cyan (93%)
- Magenta (33%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12AA77 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 12AA77 by changing the saturation by 10% instead.



 12AA77

 12AA77

FFFFFF

 008F5E

 60E2AB

 007446

 7EFFC7

 005B30

 9CFFE3

 00421A

 BAFfff

 002C01

 D8FFFf

 000C00

 F6FFFf

 000000

 12AA77

 12AA77

 01AA71

 23AA7D

 00AA71

 34AA82

 45AA88

 56AA8E

 67AA94

 78AA99

 89AA9F

 9AAAA5

 ABAAAA

# Harmonies

## Analogous

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



6CA44E



12AA77



00ACA6

# Triad

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



12AA77



6494EE



E1785B

# Complementary

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



12AA77



AA1245

# 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.



EA6E86



12AA77



AF82DA

# Square

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



12AA77



00A2EB



DA72B3



C6893D

# Rectangle

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



12AA77



00ABC4



DA72B3



E67368



# Sweetspot

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



12AA77



A2DECA



47AA12



4C7064



F0F0F0



707070



# Same Dimension

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



12AA77



00DE93



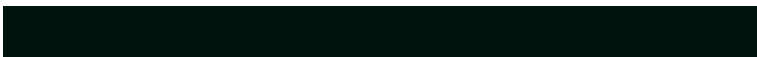
1293AA



4C5451



009462



00140E



# Inverse Universe

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



AA1245



DE004A



AA2912



544C4F



940032



140007



# Previews

## White Background



This preview shows how the Hex color 12AA77 looks on a white background.

## Color Contrast Check

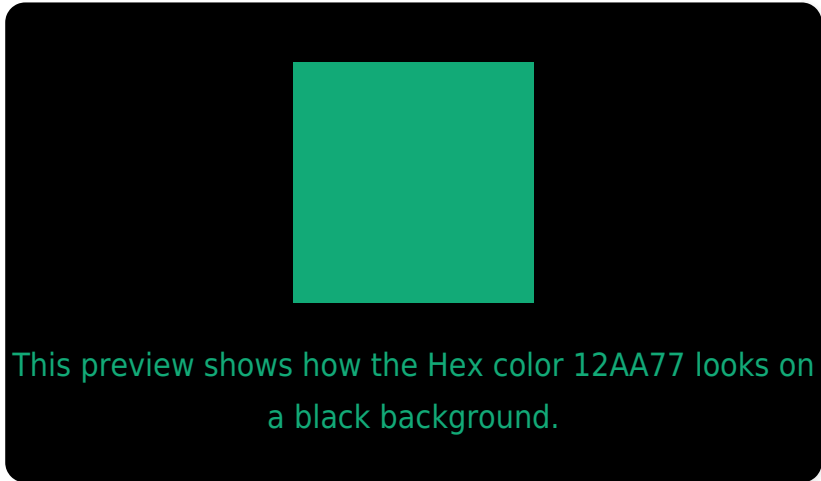
Large Text (above 18pt) WCAG AA × Fail

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

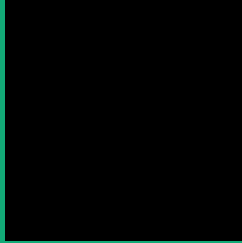
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 12AA77 Background



This preview shows how black text looks on a background with the Hex color 12AA77.

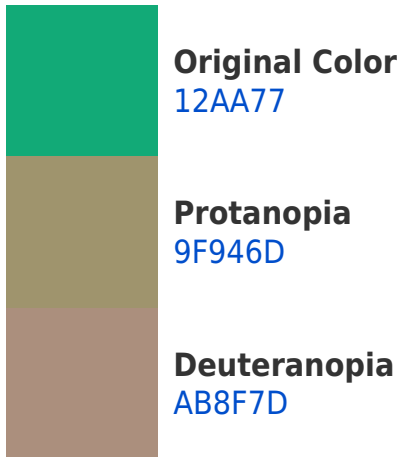


This preview shows how white text looks on a background with the Hex color 12AA77.

# 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**  
3BA3B0

# Trichromacy



**Original Color**  
12AA77



**Protanomaly**  
6C9C71



**Deuteranomaly**  
73997B



**Tritanomaly**  
2CA69B

# Monochromacy



**Original Color**  
12AA77



**Achromatopsia**  
777777



**Achromatomaly**  
528A77

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12AA77 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 #12AA77 looks like.

```
.text, #text, p{  
    color:#12AA77  
}
```

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 #12AA77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12AA77
}
```

## Border

The CSS property to change the border of an element to Hex 12AA77 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
#12AA77 }
```

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

```
.border{ border-color:#12AA77 }
```

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

Here you see how a box with a 4 pixel #12AA77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12AA77; -webkit-box-shadow:4px 4px  
4px 4px #12AA77; box-shadow:4px 4px 4px  
4px #12AA77 }
```

# Background

The CSS property to change the background color of an element to Hex 12AA77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12AA77 }
```

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

```
.background{ background-color:#12AA77 }
```

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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