

# Converting Colors

Hex(12AA56)

Have a look what the booklet for  
Hex(12AA56) contains.

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# Color

Hex(12AA56)

# Conversions

## Conversions Part 1

Format	Color
Hex	12AA56
RGB	18, 170, 86
RGB Percent	7%, 67%, 34%
CMY	0.9294, 0.3333, 0.6627
CMYK	0.89, 0.00, 0.49, 0.33
HSL	147°, 81%, 37%
HSV	147°, 89%, 67%
XYZ	16.3039, 29.5499, 13.6485
YIQ	114.9760, -63.6280, -58.3480

# Conversions

## Conversions Part 2

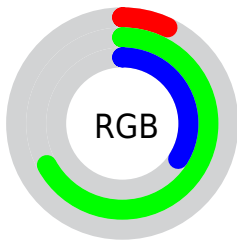
<b>Format</b>	<b>Color</b>
<b>RYB</b>	18, 123, 170
Decimal	1223254
CIELab	61.26, -55.22, 33.12
CIELCh	61, 64.391, 149.045
Yxy	29.5499, 0.2740, 0.4966
Android (android.graphics.Color)	4279413334 (0xFF12AA56)
YUV	114.9760, -14.2852, -85.0480
Hunter-Lab	54.3599, -41.5931, 23.1655

# Details

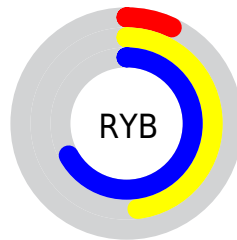
The Hex color **12AA56** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **AA1266**, and the grayscale version is **737373**.

A 20% lighter version of the original color is **60E289**, and **007426** is the 20% darker color. If you saturate the color by 10%, you get **01AA4D**, and if you desaturate by 10%, it is **23AA5F**.

# Distribution



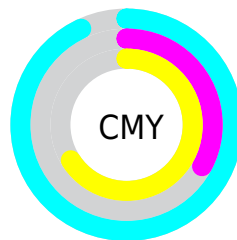
- Red (7%)
- Green (67%)
- Blue (34%)



- Red (7%)
- Yellow (48%)
- Blue (67%)



- Cyan (89%)
- Magenta (0%)
- Yellow (49%)
- Black (33%)



- Cyan (93%)
- Magenta (33%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12AA56 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 12AA56 by changing the saturation by 10% instead.



 12AA56

 12AA56

FFFFFF

 008F3E

 60E289

 007426

 7EFAA4

 005A0D

 9CFFBF

 004100

 BAFFDB

 002B00

 D8FFF8

 000900

 F6FFFF

 000000

 12AA56

 12AA56

 01AA4D

 23AA5F

■ 00AA4C

■ 34AA69

■ 45AA72

■ 56AA7C

■ 67AA85

■ 78AA8E

■ 89AA98

■ 9AAAA1

■ ABAAAB

# Harmonies

## Analogous

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



79A123



12AA56



00AE90

# Triad

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



12AA56



009BFF



F76360

# Complementary

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



12AA56



AA1266

# 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.



F75B98



12AA56



8F86F8

# Square

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



12AA56



00A8F5



D66CCF



DD7A2F

# Rectangle

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



12AA56



00AFB7



D6CCCF



FA5E72



# Sweetspot

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



12AA56



A2DEBD



68AA12



4C705C



F0F0F0



707070



# Same Dimension

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



12AA56



00DE63



12AAA0



4C544F



009442



001409



# Inverse Universe

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



AA1266



DE007B



AA121C



544C50



940052



14000B



# Previews

## White Background



This preview shows how the Hex color 12AA56 looks on a white background.

## Color Contrast Check

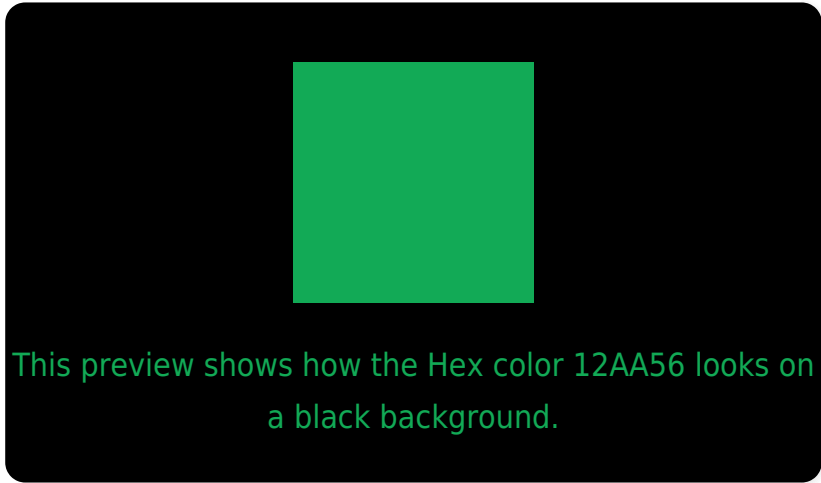
Large Text (above 18pt) WCAG AA ✓ Pass

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

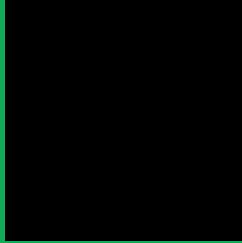
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 12AA56 Background



This preview shows how black text looks on a background with the Hex color 12AA56.

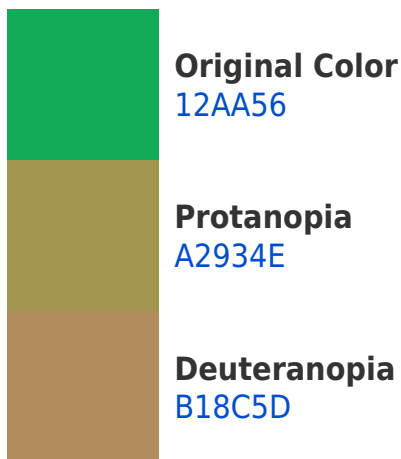


This preview shows how white text looks on a background with the Hex color 12AA56.

# 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**  
43A0AD

# Trichromacy



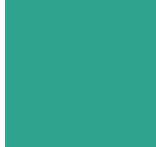
**Original Color**  
12AA56



**Protanomaly**  
6E9B51



**Deuteranomaly**  
77975A



**Tritanomaly**  
31A48D

# Monochromacy



**Original Color**  
12AA56



**Achromatopsia**  
737373



**Achromatomaly**  
508768

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12AA56 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 #12AA56 looks like.

```
.text, #text, p{  
    color:#12AA56  
}
```

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 #12AA56 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12AA56
}
```

## Border

The CSS property to change the border of an element to Hex 12AA56 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
#12AA56 }
```

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

```
.border{ border-color:#12AA56 }
```

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

Here you see how a box with a 4 pixel #12AA56 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12AA56; -webkit-box-shadow:4px 4px  
4px 4px #12AA56; box-shadow:4px 4px 4px  
4px #12AA56 }
```

# Background

The CSS property to change the background color of an element to Hex 12AA56 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12AA56 }
```

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

```
.background{ background-color:#12AA56 }
```

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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