

Converting Colors

Hex(16AE16)

Have a look what the booklet for
Hex(16AE16) contains.

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Color

Hex(16AE16)

Conversions

Conversions Part 1

Format	Color
Hex	16AE16
RGB	22, 174, 22
RGB Percent	9%, 68%, 9%
CMY	0.9137, 0.3176, 0.9137
CMYK	0.87, 0.00, 0.87, 0.32
HSL	120°, 78%, 38%
HSV	120°, 87%, 68%
XYZ	15.6117, 30.5006, 5.8234
YIQ	111.2240, -41.8000, -79.4960

Conversions

Conversions Part 2

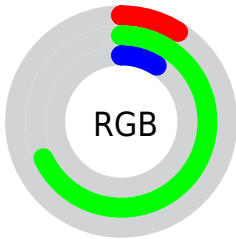
Format	Color
RYB	22, 174, 174
Decimal	1486358
CIELab	62.08, -62.74, 59.27
CIELCh	62, 86.313, 136.628
Yxy	30.5006, 0.3006, 0.5873
Android (android.graphics.Color)	4279676438 (0xFF16AE16)
YUV	111.2240, -43.9874, -78.2494
Hunter-Lab	55.2274, -46.1892, 32.4073

Details

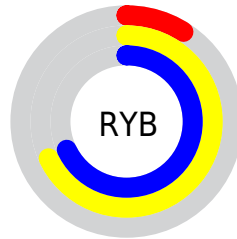
The Hex color **16AE16** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **AE16AE**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **65E753**, and **007800** is the 20% darker color. If you saturate the color by 10%, you get **05AE05**, and if you desaturate by 10%, it is **27AE27**.

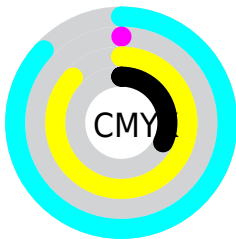
Distribution



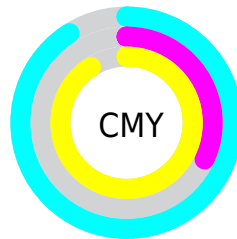
- Red (9%)
- Green (68%)
- Blue (9%)



- Red (9%)
- Yellow (68%)
- Blue (68%)



- Cyan (87%)
- Magenta (0%)
- Yellow (87%)
- Black (32%)



- Cyan (91%)
- Magenta (32%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Hex color 16AE16 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 16AE16 by changing the saturation by 10% instead.

 16AE16

 16AE16

FFFFFF

 009300

 65E753

 007800

 84FF6F

 005E00

 A3FF8A

 004500

 C1FFA6

 002D00

 DFFFC2

 000E00

 FEFFDF

 000000

 FFFFFD

 16AE16

 16AE16

■ 05AE05

■ 27AE27

■ 00AE00

■ 39AE39

■ 4AAE4A

■ 5CAE5C

■ 6DAE6D

■ 7EAE7E

■ 90AE90

■ A1AEA1

■ B3AEB3

Harmonies

Analogous

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



8EA000



16AE16



00B570

Triad

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



16AE16



00A9FF



FF366F

Complementary

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



16AE16



AE16AE

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.



FF3CBC



16AE16



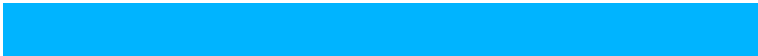
0091FF

Square

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



16AE16



00B4FF



CC6AFF



FF6024

Rectangle

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



16AE16



00B7A6



CC6AFF



FF2F89

Sweetspot

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



16AE16



A8E3A8



AEAE16



4F734F



F2F2F2



737373

Same Dimension

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



16AE16



00E300



16AE62



4E574E



009600



001700

Inverse Universe

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



AE16AE



E300E3



AE1662



574E57



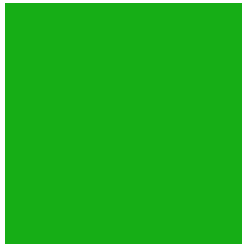
960096



170017

Previews

White Background



This preview shows how the Hex color 16AE16 looks on a white background.

Color Contrast Check

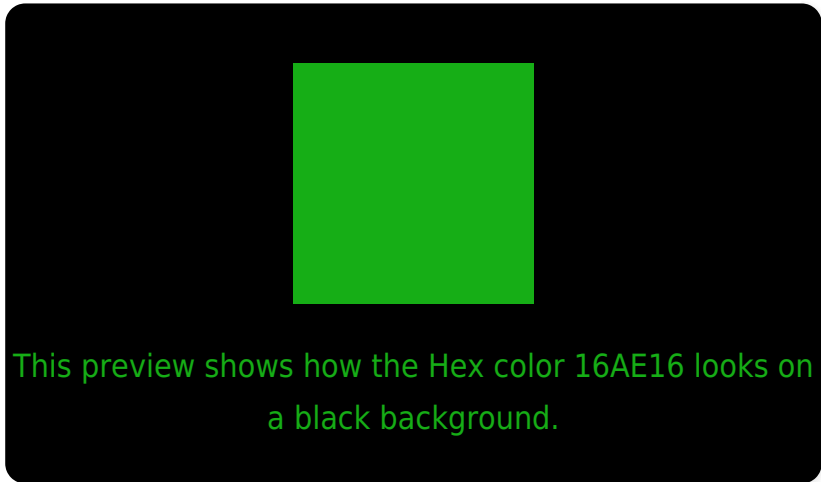
Large Text (above 18pt) WCAG AA × Fail

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 16AE16 Background



This preview shows how black text looks on a background with the Hex color 16AE16.

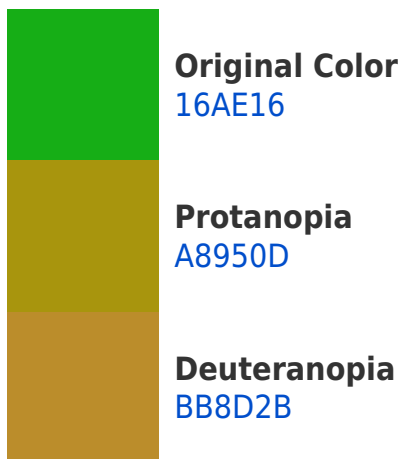


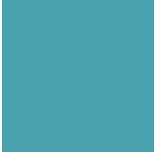
This preview shows how white text looks on a background with the Hex color 16AE16.

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
4BA2AF

Trichromacy



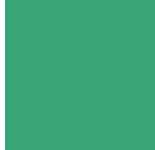
Original Color
16AE16



Protanomaly
739E10



Deuteranomaly
7F9923



Tritanomaly
38A677

Monochromacy



Original Color
16AE16



Achromatopsia
6F6F6F



Achromatomaly
4F864F

CSS Examples

Text

The CSS property to change the color of the text to Hex 16AE16 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 #16AE16 looks like.

```
.text, #text, p{  
    color:#16AE16  
}
```

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 #16AE16 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #16AE16
}
```

Border

The CSS property to change the border of an element to Hex 16AE16 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".

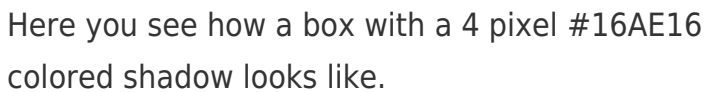
```
.border, #border, table{ border:4px solid
#16AE16 }
```

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

```
.border{ border-color:#16AE16 }
```

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

Here you see how a box with a 4 pixel #16AE16 colored shadow looks like.

A rectangular box with a thick green border and a green shadow. The box is white with a green border and a green shadow. The shadow is a 4px offset, 4px blur, 4px spread, and #16AE16 color.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #16AE16; -webkit-box-shadow:4px 4px  
4px 4px #16AE16; box-shadow:4px 4px 4px  
4px #16AE16 }
```

Background

The CSS property to change the background color of an element to Hex 16AE16 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#16AE16 }
```

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

```
.background{ background-color:#16AE16 }
```

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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