

# Converting Colors

Hex(2AAA26)

Have a look what the booklet for  
Hex(2AAA26) contains.

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**Color**

**Hex(2AAA26)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2AAA26
RGB	42, 170, 38
RGB Percent	16%, 67%, 15%
CMY	0.8353, 0.3333, 0.8510
CMYK	0.75, 0.00, 0.78, 0.33
HSL	118°, 63%, 41%
HSV	118°, 78%, 67%
XYZ	15.6794, 29.3816, 6.6786
YIQ	116.6800, -33.9160, -68.1880

# Conversions

## Conversions Part 2

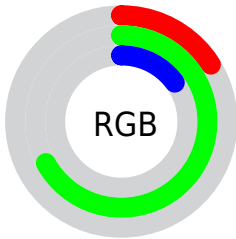
<b>Format</b>	<b>Color</b>
<b>RYB</b>	38, 170, 166
Decimal	2796070
CIELab	61.12, -58.18, 54.09
CIElCh	61, 79.436, 137.089
Yxy	29.3816, 0.3030, 0.5679
Android (android.graphics.Color)	4280986150 (0xFF2AAA26)
YUV	116.6800, -38.7892, -65.4944
Hunter-Lab	54.2048, -43.2251, 30.6383

# Details

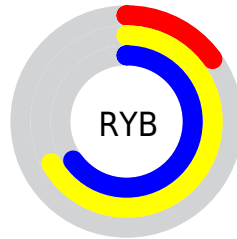
The Hex color **2AAA26** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **A626AA**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **6DE25D**, and **007400** is the 20% darker color. If you saturate the color by 10%, you get **1AAA15**, and if you desaturate by 10%, it is **3AAA37**.

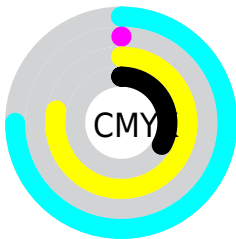
# Distribution



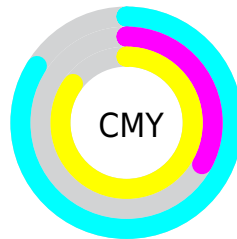
- Red (16%)
- Green (67%)
- Blue (15%)



- Red (15%)
- Yellow (67%)
- Blue (65%)



- Cyan (75%)
- Magenta (0%)
- Yellow (78%)
- Black (33%)



- Cyan (84%)
- Magenta (33%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2AAA26 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 2AAA26 by changing the saturation by 10% instead.



 2AAA26

 2AAA26

FFFFFF

 008F00

 6DE25D

 007400

 8BFF78

 005A00

 A8FF93

 004200

 C6FFAF

 002B00

 E4FFCB

 000800

 FFFFE8

 000000

 2AAA26

 2AAA26

 1AAA15

 3AAA37

■ 09AA04

■ 4BAA48

■ 05AA00

■ 5BAA59

■ 6CAA6A

■ 7CAA7B

■ 8DAA8C

■ 9DAA9D

■ AEAAAE

■ BEAABF

# Harmonies

## Analogous

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



8C9C00



2AAA26



00B172

# Triad

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



2AAA26



00A5FF



FF446F

# Complementary

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



2AAA26



A626AA

# 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.



FF47B5



2AAA26



388EFF

# Square

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



2AAA26



00B0FA



C76CF4



F8642C

# Rectangle

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



2AAA26



00B2A3



C76CF4



FF3F86



# Sweetspot

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



2AAA26



ACDEAB



AAA626



527051



F0F0F0



707070



# Same Dimension

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



2AAA26



16DE10



26AA64



4C544C



049400



011400



# Inverse Universe

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



A626AA



D810DE



AA266C



544C54



8F0094



140014



# Previews

## White Background



This preview shows how the Hex color 2AAA26 looks on a white background.

## Color Contrast Check

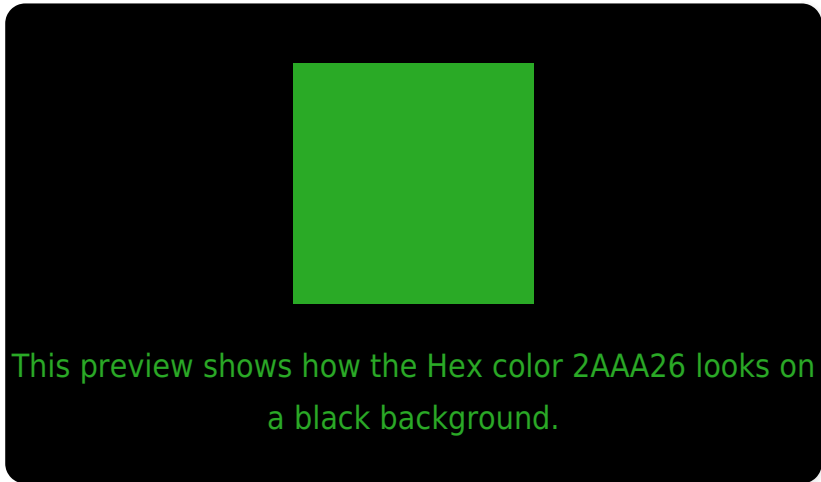
Large Text (above 18pt) WCAG AA ✓ Pass

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 2AAA26 Background



This preview shows how black text looks on a background with the Hex color 2AAA26.

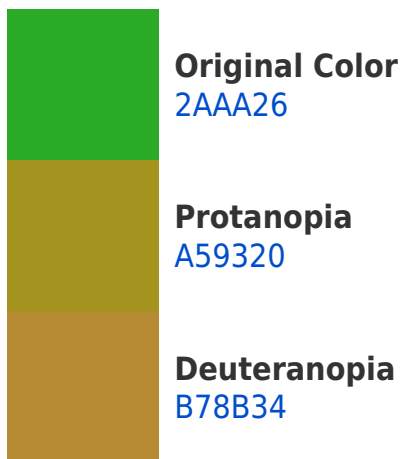


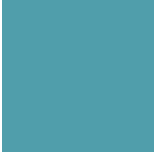
This preview shows how white text looks on a background with the Hex color 2AAA26.

# 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](#).

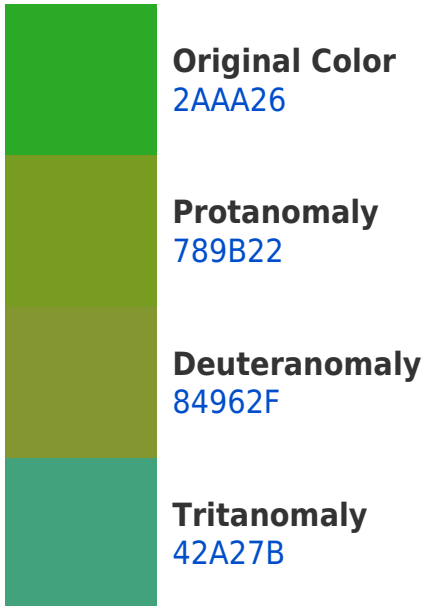
## Dichromacy



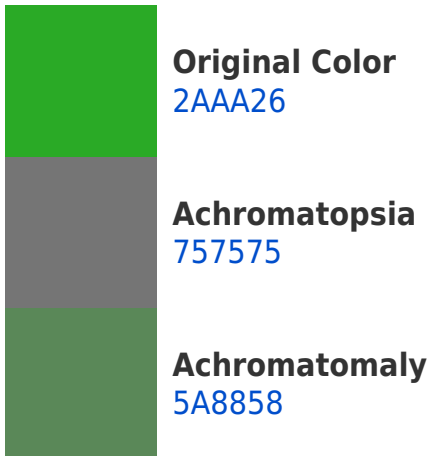


**Tritanopia**  
509EAB

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2AAA26 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 #2AAA26 looks like.

```
.text, #text, p{  
    color:#2AAA26  
}
```

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 #2AAA26 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2AAA26
}
```

## Border

The CSS property to change the border of an element to Hex 2AAA26 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
#2AAA26 }
```

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

```
.border{ border-color:#2AAA26 }
```

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

Here you see how a box with a 4 pixel #2AAA26 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2AAA26; -webkit-box-shadow:4px 4px  
4px 4px #2AAA26; box-shadow:4px 4px 4px  
4px #2AAA26 }
```

# Background

The CSS property to change the background color of an element to Hex 2AAA26 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2AAA26 }
```

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

```
.background{ background-color:#2AAA26 }
```

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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