

# Converting Colors

Hex(2AAE6D)

Have a look what the booklet for  
Hex(2AAE6D) contains.

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# Color

**Hex(2AAE6D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2AAE6D
RGB	42, 174, 109
RGB Percent	16%, 68%, 43%
CMY	0.8353, 0.3176, 0.5725
CMYK	0.76, 0.00, 0.37, 0.32
HSL	150°, 61%, 42%
HSV	150°, 76%, 68%
XYZ	18.8512, 31.8685, 19.6257
YIQ	127.1220, -57.8070, -48.1990

# Conversions

## Conversions Part 2

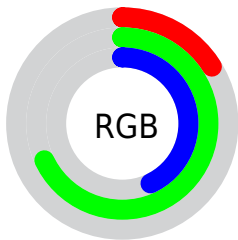
Format	Color
<a href="#">RYB</a>	<a href="#">42, 130, 174</a>
Decimal	<a href="#">2797165</a>
CIELab	<a href="#">63.23, -49.94, 23.63</a>
CIELCh	<a href="#">63, 55.248, 154.672</a>
Yxy	<a href="#">31.8685, 0.2680, 0.4530</a>
Android (android.graphics.Color)	<a href="#">4280987245 (0xFF2AAE6D)</a>
YUV	<a href="#">127.1220, -8.9341, -74.6520</a>
Hunter-Lab	<a href="#">56.4522, -39.1843, 18.9043</a>

# Details

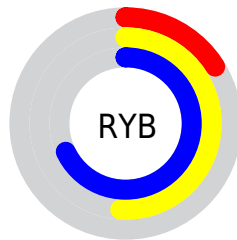
The Hex color **2AAE6D** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **AE2A6B**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **6CE6A1**, and **00783D** is the 20% darker color. If you saturate the color by 10%, you get **19AE64**, and if you desaturate by 10%, it is **3BAE76**.

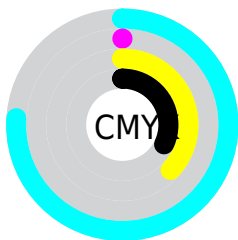
# Distribution



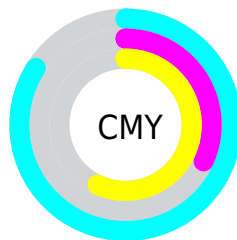
- Red (16%)
- Green (68%)
- Blue (43%)



- Red (16%)
- Yellow (51%)
- Blue (68%)



- Cyan (76%)
- Magenta (0%)
- Yellow (37%)
- Black (32%)



- Cyan (84%)
- Magenta (32%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2AAE6D 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 2AAE6D by changing the saturation by 10% instead.



 2AAE6D

 2AAE6D

FFFFFF

 009354


 6CE6A1

 00783D

 89FFBC

 005F26

 A6FFD8

 004610

 C4FFF5

 002F00

 E2FFFF

 001300

 000000

 2AAE6D

 2AAE6D

 19AE64

 3BAE76

07AE5C

4DAE7E

00AE58

5EAE87

70AE8F

81AE98

92AEA0

A4AEA9

B5AEB2

C7AEBA

# Harmonies

## Analogous

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



7AA643



2AAE6D



00B1A0

# Triad

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



2AAE6D



419CFB



EE7564

# Complementary

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



2AAE6D



AE2A6B

# 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.



F26C93



2AAE6D



A689EA

# Square

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



2AAE6D



00A9F1



DB75C4



D5873F

# Rectangle

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



2AAE6D



00B1C1



DB75C4



F27073



# Sweetspot

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



2AAE6D



AFE3C9



6CAE2A



537363



F2F2F2



737373



# Same Dimension

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



2AAE6D



14E37D



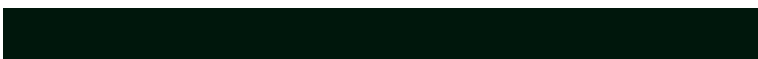
2AAEAE



4E5752



00964C



00170C



# Inverse Universe

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



AE2A6B



E3147A



AE2A2A



574E52



96004A



17000B



# Previews

## White Background



This preview shows how the Hex color 2AAE6D looks on a white background.

## Color Contrast Check

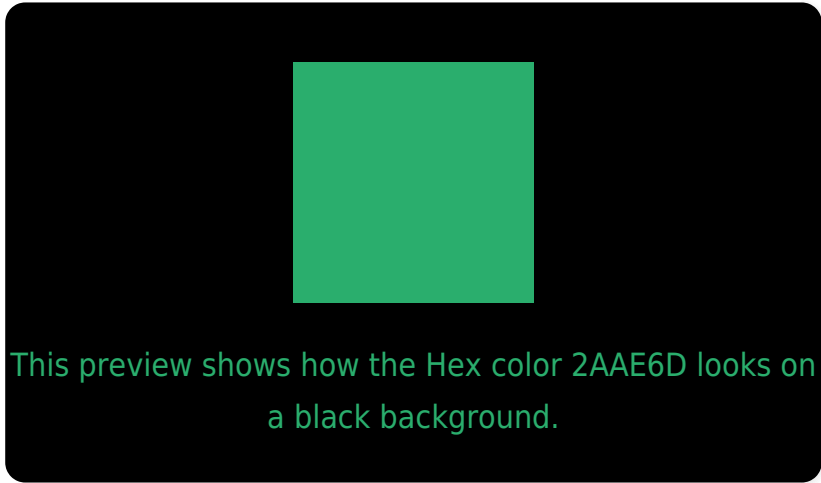
Large Text (above 18pt) WCAG AA × Fail

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 2AAE6D Background



This preview shows how black text looks on a background with the Hex color 2AAE6D.



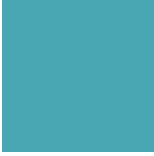
This preview shows how white text looks on a background with the Hex color 2AAE6D.

# 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**  
49A6B3

# Trichromacy



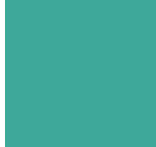
**Original Color**  
2AAE6D



**Protanomaly**  
78A067



**Deuteranomaly**  
819C71



**Tritanomaly**  
3EA99A

# Monochromacy



**Original Color**  
2AAE6D



**Achromatopsia**  
7F7F7F



**Achromatomaly**  
609078

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2AAE6D 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 #2AAE6D looks like.

```
.text, #text, p{  
    color:#2AAE6D  
}
```

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 #2AAE6D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2AAE6D
}
```

## Border

The CSS property to change the border of an element to Hex 2AAE6D 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
#2AAE6D }
```

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

```
.border{ border-color:#2AAE6D }
```

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

Here you see how a box with a 4 pixel #2AAE6D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2AAE6D; -webkit-box-shadow:4px 4px  
4px 4px #2AAE6D; box-shadow:4px 4px 4px  
4px #2AAE6D }
```

# Background

The CSS property to change the background color of an element to Hex 2AAE6D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2AAE6D }
```

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

```
.background{ background-color:#2AAE6D }
```

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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