

# Converting Colors

Hex(2DAA3D)

Have a look what the booklet for  
Hex(2DAA3D) contains.

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# Color

Hex(2DAA3D)

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 2DAA3D                       |
| RGB         | 45, 170, 61                  |
| RGB Percent | 18%, 67%, 24%                |
| CMY         | 0.8235, 0.3333, 0.7608       |
| CMYK        | 0.74, 0.00, 0.64, 0.33       |
| HSL         | 128°, 58%, 42%               |
| HSV         | 128°, 74%, 67%               |
| XYZ         | 16.2992, 29.6443, 9.2777     |
| YIQ         | 120.1990, -39.5110, -60.3990 |

# Conversions

## Conversions Part 2

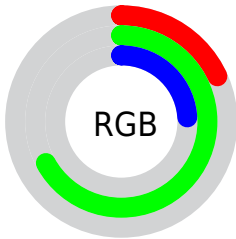
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 45, 156, 170                    |
| Decimal                             | 2992701                         |
| CIELab                              | 61.35, -55.60, 45.35            |
| CIELCh                              | 61, 71.748, 140.800             |
| Yxy                                 | 29.6443, 0.2952,<br>0.5368      |
| Android<br>(android.graphics.Color) | 4281182781<br>(0xFF2DAA3D)      |
| YUV                                 | 120.1990, -29.1851,<br>-65.9495 |
| Hunter-Lab                          | 54.4465, -41.8454,<br>28.0095   |

# Details

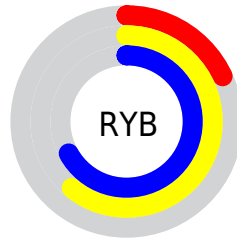
The Hex color **2DAA3D** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **AA2D9A**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **6EE271**, and **007401** is the 20% darker color. If you saturate the color by 10%, you get **1CAA2E**, and if you desaturate by 10%, it is **3EAA4C**.

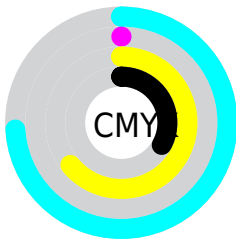
# Distribution



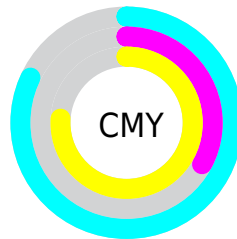
- Red (18%)
- Green (67%)
- Blue (24%)



- Red (18%)
- Yellow (61%)
- Blue (67%)



- Cyan (74%)
- Magenta (0%)
- Yellow (64%)
- Black (33%)



- Cyan (82%)
- Magenta (33%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2DAA3D 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 2DAA3D by changing the saturation by 10% instead.



 2DAA3D

 2DAA3D

FFFFFF

 008F23

 6EE271

 007401

 8BFF8B

 005B00

 A9FFA7

 004200

 C6FFC2

 002B00

 E4FFDF

 000900

FFFFFFC

 000000

 2DAA3D

 2DAA3D

 1CAA2E

 3EAA4C

 0BAA1F

 4FAA5B

 00AA16

 60AA69

 71AA78

 82AA87

 93AA96

 A4AAA5

 B5AAB4

 C6AAC2

# Harmonies

## Analogous

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



879E00



2DAA3D



00B07E

# Triad

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



2DAA3D



00A1FF



FF556B

# Complementary

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



2DAA3D



AA2D9A

# 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.



FB53AA



2DAA3D



678CFF

# Square

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



2DAA3D



00ADF6



CD6EE5



EE6F31

# Rectangle

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



2DAA3D



00B1AA



CD6EE5



FF5080



# Sweetspot

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



2DAA3D



ADDEB3



9BAA2D



537057



F0F0F0



707070



# Same Dimension

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



2DAA3D



1BDE34



2DAA7A



4C544D



009413



001403



# Inverse Universe

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



AA2D9A



DE1BC5



AA2D5D



544C53



940081



140012



# Previews

## White Background



This preview shows how the Hex color 2DAA3D looks on a white background.

## Color Contrast Check

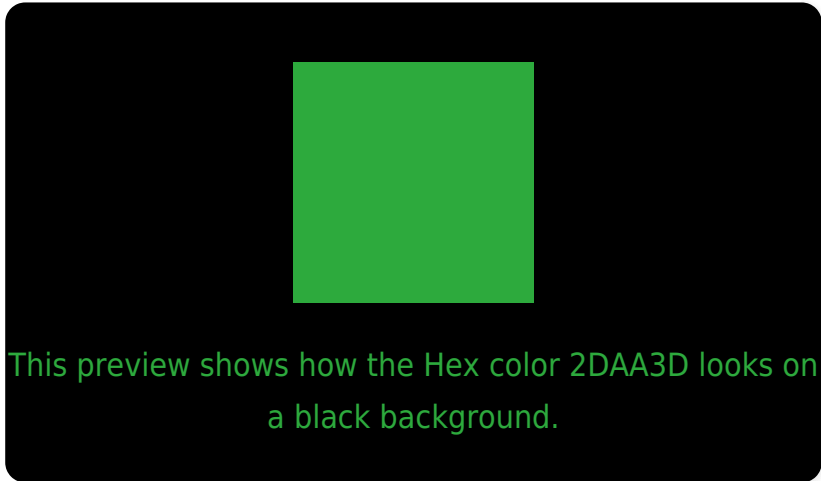
Large Text (above 18pt) WCAG AA ✓ Pass

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 2DAA3D Background



This preview shows how black text looks on a background with the Hex color 2DAA3D.

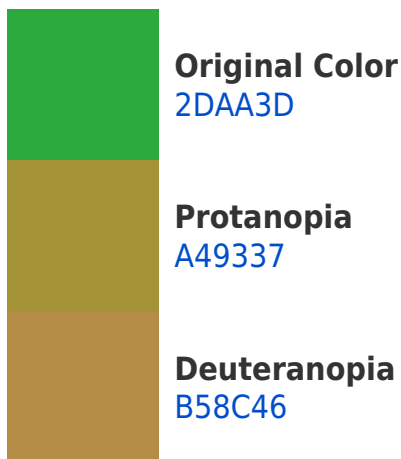


This preview shows how white text looks on a background with the Hex color 2DAA3D.

# 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





# Trichromacy



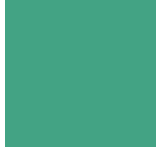
**Original Color**  
2DAA3D



**Protanomaly**  
799B39



**Deuteranomaly**  
849743



**Tritanomaly**  
43A384

# Monochromacy



**Original Color**  
2DAA3D



**Achromatopsia**  
787878



**Achromatomaly**  
5D8A63

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2DAA3D 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 #2DAA3D looks like.

```
.text, #text, p{  
    color:#2DAA3D  
}
```

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 #2DAA3D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DAA3D
}
```

## Border

The CSS property to change the border of an element to Hex 2DAA3D 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
#2DAA3D }
```

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

```
.border{ border-color:#2DAA3D }
```

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

Here you see how a box with a 4 pixel #2DAA3D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DAA3D; -webkit-box-shadow:4px 4px  
4px 4px #2DAA3D; box-shadow:4px 4px 4px  
4px #2DAA3D }
```

# Background

The CSS property to change the background color of an element to Hex 2DAA3D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DAA3D }
```

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

```
.background{ background-color:#2DAA3D }
```

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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