

Converting Colors

Hex(2DAA42)

Have a look what the booklet for
Hex(2DAA42) contains.

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Color

Hex(2DAA42)

Conversions

Conversions Part 1

Format	Color
Hex	2DAA42
RGB	45, 170, 66
RGB Percent	18%, 67%, 26%
CMY	0.8235, 0.3333, 0.7412
CMYK	0.74, 0.00, 0.61, 0.33
HSL	130°, 58%, 42%
HSV	130°, 74%, 67%
XYZ	16.4403, 29.7007, 10.0206
YIQ	120.7690, -41.1160, -58.8440

Conversions

Conversions Part 2

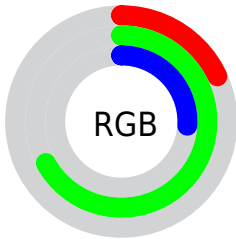
Format	Color
RYB	45, 152, 170
Decimal	2992706
CIELab	61.40, -55.01, 43.14
CIElCh	61, 69.912, 141.895
Yxy	29.7007, 0.2927, 0.5288
Android (android.graphics.Color)	4281182786 (0xFF2DAA42)
YUV	120.7690, -27.0011, -66.4494
Hunter-Lab	54.4983, -41.5247, 27.2472

Details

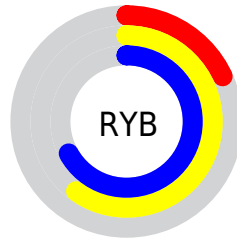
The Hex color **2DAA42** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **AA2D95**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **6EE275**, and **00740B** is the 20% darker color. If you saturate the color by 10%, you get **1CAA34**, and if you desaturate by 10%, it is **3EAA50**.

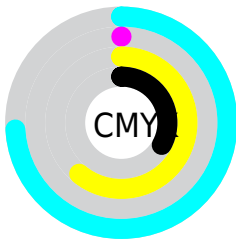
Distribution



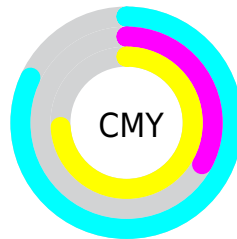
- Red (18%)
- Green (67%)
- Blue (26%)



- Red (18%)
- Yellow (60%)
- Blue (67%)



- Cyan (74%)
- Magenta (0%)
- Yellow (61%)
- Black (33%)



- Cyan (82%)
- Magenta (33%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2DAA42 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 2DAA42 by changing the saturation by 10% instead.

 2DAA42

 2DAA42

FFFFFF

 008F28

 6EE275

 00740B

 8BFF90

 005B00

 A8FFAB

 004200

 C6FFC7

 002C00

 E4FFE4

 000A00

 000000

 2DAA42

 2DAA42

 1CAA34

 3EAA50

■ 0BAA26

■ 4FAA5E

■ 00AA1D

■ 60AA6C

■ 71AA7B

■ 82AA89

■ 93AA97

■ A4AAA5

■ B5AAB3

■ C6AAC1

Harmonies

Analogous

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



869F00



2DAA42



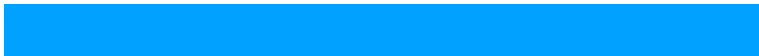
00B081

Triad

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



2DAA42



00A1FF



FF586A

Complementary

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



2DAA42



AA2D95

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.



FA56A8



2DAA42



708BFF

Square

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



2DAA42



00ACF5



CE6EE1



EB7132

Rectangle

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



2DAA42



00B1AC



CE6EE1



FF547E

Sweetspot

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



2DAA42



ADDEB5



95AA2D



537058



F0F0F0



707070

Same Dimension

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



2DAA42



1BDE3B



2DAA80



4C544D



009419



001403

Inverse Universe

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



AA2D95



DE1BBD



AA2D57



544C53



94007B



140011

Previews

White Background



This preview shows how the Hex color 2DAA42 looks on a white background.

Color Contrast Check

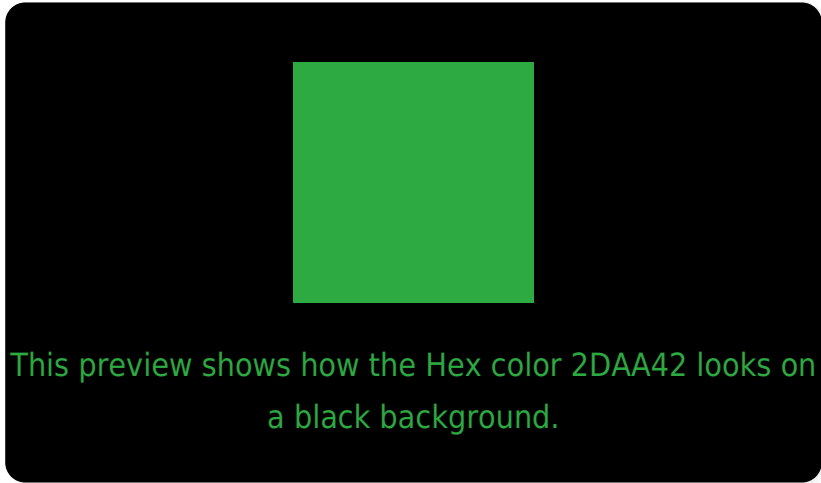
Large Text (above 18pt) WCAG AA ✓ Pass

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

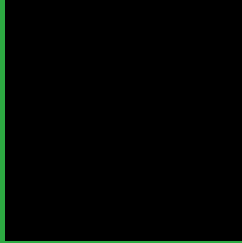
Any Text WCAG AA ✓ Pass

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 2DAA42 Background



This preview shows how black text looks on a background with the Hex color 2DAA42.



This preview shows how white text looks on a background with the Hex color 2DAA42.

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



Original Color
2DAA42

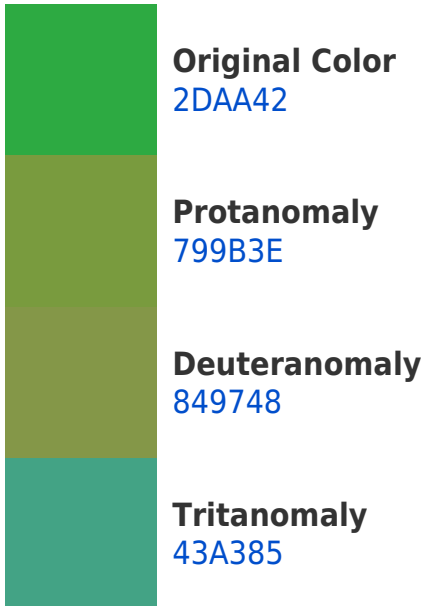
Protanopia
A4933B

Deuteranopia
B58C4B

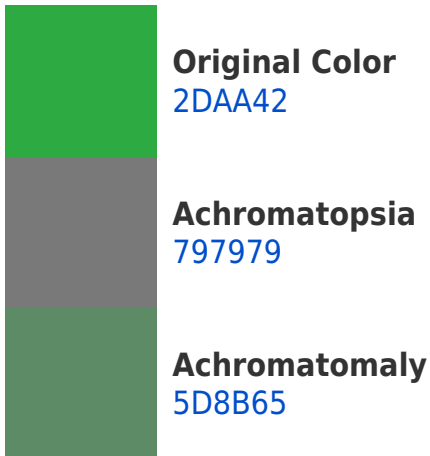


Tritanopia
4F9FAC

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 2DAA42 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 #2DAA42 looks like.

```
.text, #text, p{  
    color:#2DAA42  
}
```

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 #2DAA42 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DAA42
}
```

Border

The CSS property to change the border of an element to Hex 2DAA42 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
#2DAA42 }
```

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

```
.border{ border-color:#2DAA42 }
```

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

Here you see how a box with a 4 pixel #2DAA42 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DAA42; -webkit-box-shadow:4px 4px  
4px 4px #2DAA42; box-shadow:4px 4px 4px  
4px #2DAA42 }
```

Background

The CSS property to change the background color of an element to Hex 2DAA42 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DAA42 }
```

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

```
.background{ background-color:#2DAA42 }
```

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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