

Converting Colors

Hex(2AA371)

Have a look what the booklet for
Hex(2AA371) contains.

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Color

Hex(2AA371)

Conversions

Conversions Part 1

Format	Color
Hex	2AA371
RGB	42, 163, 113
RGB Percent	16%, 64%, 44%
CMY	0.8353, 0.3608, 0.5569
CMYK	0.74, 0.00, 0.31, 0.36
HSL	155°, 59%, 40%
HSV	155°, 74%, 64%
XYZ	17.0327, 27.8789, 20.1062
YIQ	121.1210, -56.0660, -41.2020

Conversions

Conversions Part 2

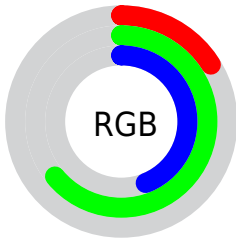
Format	Color
R_{YB}	42, 118, 163
Decimal	2794353
CIE _{Lab}	59.78, -44.74, 16.76
CIE _{LCh}	60, 47.778, 159.460
Yxy	27.8789, 0.2620, 0.4288
Android (android.graphics.Color)	4280984433 (0xFF2AA371)
YUV	121.1210, -4.0037, -69.3891
Hunter-Lab	52.8005, -34.8192, 14.3829

Details

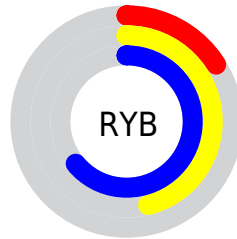
The Hex color **2AA371** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **A32A5C**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **69DBA5**, and **006E41** is the 20% darker color. If you saturate the color by 10%, you get **1AA36A**, and if you desaturate by 10%, it is **3AA378**.

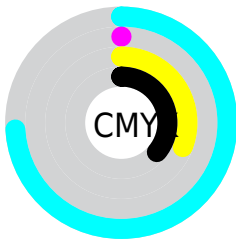
Distribution



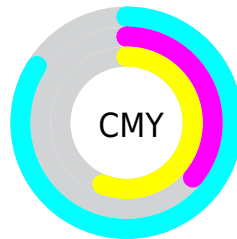
- Red (16%)
- Green (64%)
- Blue (44%)



- Red (16%)
- Yellow (46%)
- Blue (64%)



- Cyan (74%)
- Magenta (0%)
- Yellow (31%)
- Black (36%)



- Cyan (84%)
- Magenta (36%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2AA371 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 2AA371 by changing the saturation by 10% instead.

 2AA371

 2AA371

FFFFFF

 008858

 69DBA5

 006E41

 86F8C0

 00552A

 A3FFDC

 003C15

 C0FFF9

 002700

 DEFFF

 000000

 FCFFF

 2AA371

 2AA371

 1AA36A

 3AA378

09A364

4BA37E

00A360

5BA385

6BA38C

7BA393

8CA399

9CA3A0

ACA3A7

BDA3AE

Harmonies

Analogous

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



6E9D4C



2AA371



00A59C

Triad

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



2AA371



5E90E3



D8745D

Complementary

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



2AA371



A32A5C

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.



DE6C84



2AA371



A480D1

Square

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



2AA371



009CDE



CE71AE



C08340

Rectangle

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



2AA371



00A4B8



CE71AE



DC7069

Sweetspot

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



2AA371



A5D4C0



5CA32A



4F6B60



EBEBEB



6B6B6B

Same Dimension

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



2AA371



17D486



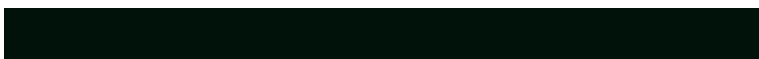
2A99A3



49524E



009155



00120A

Inverse Universe

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



A32A5C



D41765



A3342A



52494D



91003C



120007

Previews

White Background



This preview shows how the Hex color 2AA371 looks on a white background.

Color Contrast Check

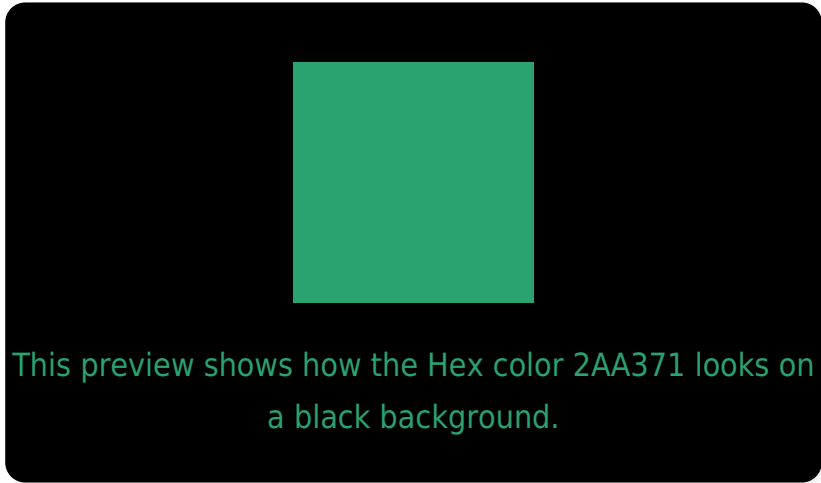
Large Text (above 18pt) WCAG AA ✓ Pass

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 2AA371 Background



This preview shows how black text looks on a background with the Hex color 2AA371.



This preview shows how white text looks on a background with the Hex color 2AA371.

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
2AA371

Protanopia
9A8F68

Deuteranopia
A58977



Tritanopia
439CA9

Trichromacy



Original Color
2AA371



Protanomaly
71966B



Deuteranomaly
789275



Tritanomaly
3A9F95

Monochromacy



Original Color
2AA371



Achromatopsia
797979



Achromatomaly
5C8876

CSS Examples

Text

The CSS property to change the color of the text to Hex 2AA371 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 #2AA371 looks like.

```
.text, #text, p{  
    color:#2AA371  
}
```

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 #2AA371 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2AA371
}
```

Border

The CSS property to change the border of an element to Hex 2AA371 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
#2AA371 }
```

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

```
.border{ border-color:#2AA371 }
```

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

Here you see how a box with a 4 pixel #2AA371 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2AA371; -webkit-box-shadow:4px 4px  
4px 4px #2AA371; box-shadow:4px 4px 4px  
4px #2AA371 }
```

Background

The CSS property to change the background color of an element to Hex 2AA371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2AA371 }
```

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

```
.background{ background-color:#2AA371 }
```

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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