

# Converting Colors

Hex(28A371)

Have a look what the booklet for  
Hex(28A371) contains.

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# Color

**Hex(28A371)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28A371
RGB	40, 163, 113
RGB Percent	16%, 64%, 44%
CMY	0.8431, 0.3608, 0.5569
CMYK	0.75, 0.00, 0.31, 0.36
HSL	156°, 61%, 40%
HSV	156°, 75%, 64%
XYZ	16.9529, 27.8378, 20.1025
YIQ	120.5230, -57.2580, -41.6260

# Conversions

## Conversions Part 2

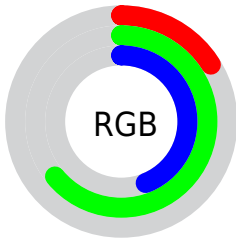
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	40, 117, 163
Decimal	2663281
CIE <sub>Lab</sub>	59.74, -45.02, 16.71
CIE <sub>LCh</sub>	60, 48.021, 159.641
Yxy	27.8378, 0.2612, 0.4290
Android (android.graphics.Color)	4280853361 (0xFF28A371)
YUV	120.5230, -3.7088, -70.6187
Hunter-Lab	52.7615, -34.9784, 14.3431

# Details

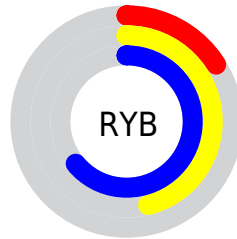
The Hex color **28A371** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **A3285A**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **68DBA5**, and **006E41** is the 20% darker color. If you saturate the color by 10%, you get **18A36A**, and if you desaturate by 10%, it is **38A378**.

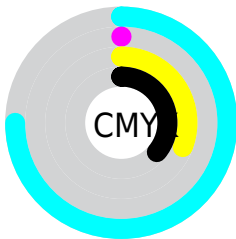
# Distribution



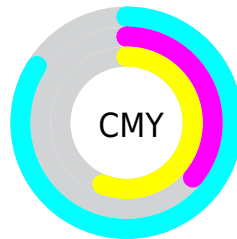
- Red (16%)
- Green (64%)
- Blue (44%)



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



- Cyan (75%)
- Magenta (0%)
- Yellow (31%)
- Black (36%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 28A371 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 28A371 by changing the saturation by 10% instead.




 28A371

 28A371


FFFFFF

 008858

 68DBA5

 006E41

 85F8C0

 00552A

 A2FFDC

 003C15

 BFFFF9

 002700

 DDDFFF

 000000

 FBFFFF

 28A371

 28A371

 18A36A

 38A378

07A364

49A37E

00A361

59A385

69A38C

7AA392

8AA399

9AA39F

AAA3A6

BBA3AD

# Harmonies

## Analogous

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



6D9D4C



28A371



00A59D

# Triad

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



28A371



5E90E3



D8745C

# Complementary

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



28A371



A3285A

# 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.



DF6B84



28A371



A57FD1

# Square

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



28A371



009CDF



CE70AE



C0833F

# Rectangle

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



28A371



00A4B8



CE70AE



DD7068



# Sweetspot

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



28A371



A3D4C0



5BA328



4D6B5F



EBEBEB



6B6B6B



# Same Dimension

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



28A371



13D485



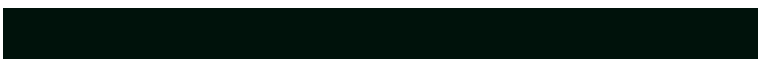
2899A3



49524E



009156



00120B



# Inverse Universe

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



A3285A



D41361



A33228



52494D



91003B



120007



# Previews

## White Background



This preview shows how the Hex color 28A371 looks on a white background.

## Color Contrast Check

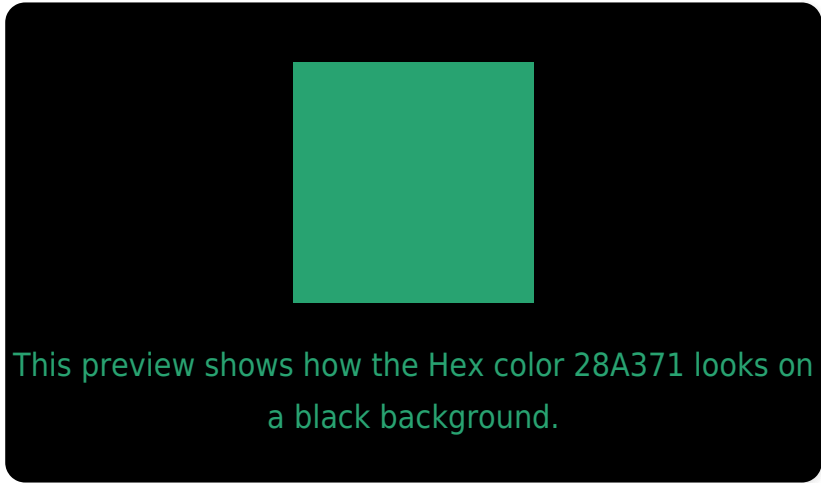
Large Text (above 18pt) WCAG AA ✓ Pass

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 28A371 Background



This preview shows how black text looks on a background with the Hex color 28A371.



This preview shows how white text looks on a background with the Hex color 28A371.

# 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**  
429CA9

# Trichromacy



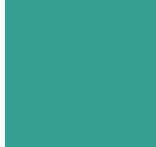
**Original Color**  
28A371



**Protanomaly**  
71966B



**Deuteranomaly**  
789275



**Tritanomaly**  
399F95

# Monochromacy



**Original Color**  
28A371



**Achromatopsia**  
797979



**Achromatomaly**  
5C8876

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28A371 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 #28A371 looks like.

```
.text, #text, p{  
    color:#28A371  
}
```

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 #28A371 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28A371
}
```

## Border

The CSS property to change the border of an element to Hex 28A371 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
#28A371 }
```

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

```
.border{ border-color:#28A371 }
```

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

Here you see how a box with a 4 pixel #28A371 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28A371; -webkit-box-shadow:4px 4px  
4px 4px #28A371; box-shadow:4px 4px 4px  
4px #28A371 }
```

# Background

The CSS property to change the background color of an element to Hex 28A371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28A371 }
```

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

```
.background{ background-color:#28A371 }
```

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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