

# Converting Colors

Hex(28D579)

Have a look what the booklet for  
Hex(28D579) contains.

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**Color**

**Hex(28D579)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28D579
RGB	40, 213, 121
RGB Percent	16%, 84%, 47%
CMY	0.8431, 0.1647, 0.5255
CMYK	0.81, 0.00, 0.43, 0.16
HSL	148°, 68%, 50%
HSV	148°, 81%, 84%
XYZ	28.1205, 49.4201, 26.1461
YIQ	150.7850, -73.5760, -65.2880

# Conversions

## Conversions Part 2

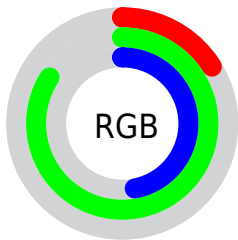
Format	Color
<a href="#">RYB</a>	<a href="#">40, 158, 213</a>
Decimal	<a href="#">2676089</a>
CIELab	<a href="#">75.71, -62.14, 33.81</a>
CIELCh	<a href="#">76, 70.744, 151.448</a>
Yxy	<a href="#">49.4201, 0.2712, 0.4766</a>
Android (android.graphics.Color)	<a href="#">4280866169</a> ( <a href="#">0xFF28D579</a> )
YUV	<a href="#">150.7850, -14.6840, -97.1584</a>
Hunter-Lab	<a href="#">70.2994, -51.6221, 27.1582</a>

# Details

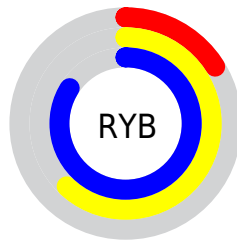
The Hex color **28D579** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **D52884**, and the grayscale version is **979797**.

A 20% lighter version of the original color is **73FFAE**, and **009D47** is the 20% darker color. If you saturate the color by 10%, you get **13D56E**, and if you desaturate by 10%, it is **3DD584**.

# Distribution



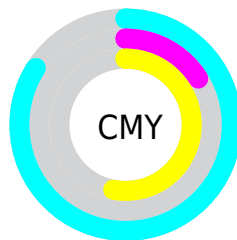
- Red (16%)
- Green (84%)
- Blue (47%)



- Red (16%)
- Yellow (62%)
- Blue (84%)



- Cyan (81%)
- Magenta (0%)
- Yellow (43%)
- Black (16%)



- Cyan (84%)
- Magenta (16%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 28D579 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 28D579 by changing the saturation by 10% instead.



 28D579

 28D579

FFFFFF

 00B95F

 73FFAE

 009D47

 93FFCA

 00822F

 B2FFE6

 006716

 D1FFFF

 004E00

 EFFFFFFF

 003600

 001C00

 000000

 28D579

 28D579

■ 13D56E

■ 3DD584

■ 00D564

■ 53D590

■ 68D59B

■ 7DD5A6

■ 93D5B2

■ A8D5BD

■ BDD5C8

■ D2D5D4

■ E8D5DF

# Harmonies

## Analogous

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



97CA41



28D579



00DABC

# Triad

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



28D579



00C1FF



FF867A

# Complementary

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



28D579



D52884

# 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.



FF7CBA



28D579



BFA8FF

# Square

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



28D579



00D1FF



FF8CFA



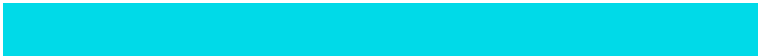
FFA045

# Rectangle

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



28D579



00DAE8



FF8CFA



FF808F

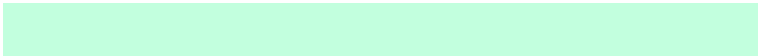


# Sweetspot

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



28D579



C2FFDE



84D528



5B806C



000000



808080



# Same Dimension

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



28D579



08FF7B



28D5CF



606B65



00AB50



002B14



# Inverse Universe

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



D52884



FF088B



D5282E



6B6066



AB005B

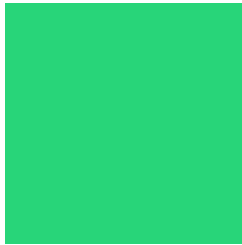


2B0017



# Previews

## White Background



This preview shows how the Hex color 28D579 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



This preview shows how the Hex color 28D579 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

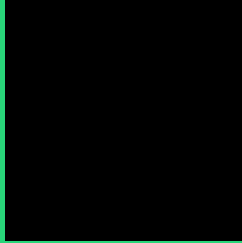
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 28D579 Background



This preview shows how black text looks on a background with the Hex color 28D579.

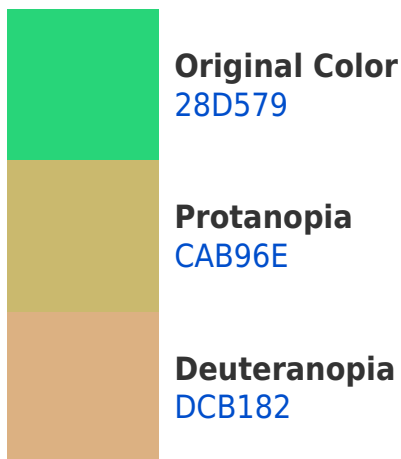


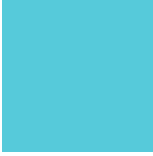
This preview shows how white text looks on a background with the Hex color 28D579.

# 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**  
28D579



**Protanomaly**  
8FC372



**Deuteranomaly**  
9BBE7F



**Tritanomaly**  
45CEB7

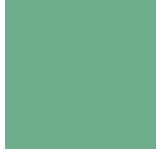
# Monochromacy



**Original Color**  
28D579



**Achromatopsia**  
979797



**Achromatomaly**  
6FAE8C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28D579 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 #28D579 looks like.

```
.text, #text, p{  
    color:#28D579  
}
```

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 #28D579 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28D579
}
```

## Border

The CSS property to change the border of an element to Hex 28D579 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
#28D579 }
```

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

```
.border{ border-color:#28D579 }
```

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

Here you see how a box with a 4 pixel #28D579 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28D579; -webkit-box-shadow:4px 4px  
4px 4px #28D579; box-shadow:4px 4px 4px  
4px #28D579 }
```

# Background

The CSS property to change the background color of an element to Hex 28D579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28D579 }
```

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

```
.background{ background-color:#28D579 }
```

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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