

# Converting Colors

Hex(27CB79)

Have a look what the booklet for  
Hex(27CB79) contains.

<b>Hex(27CB79)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(27CB79)**

# Conversions

## Conversions Part 1

Format	Color
Hex	27CB79
RGB	39, 203, 121
RGB Percent	15%, 80%, 47%
CMY	0.8471, 0.2039, 0.5255
CMYK	0.81, 0.00, 0.40, 0.20
HSL	150°, 68%, 47%
HSV	150°, 81%, 80%
XYZ	25.6438, 44.5237, 25.3315
YIQ	144.6160, -71.4220, -60.2700

# Conversions

## Conversions Part 2

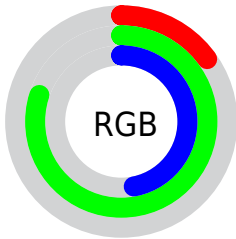
<b>Format</b>	<b>Color</b>
<b>RYB</b>	39, 148, 203
Decimal	2607993
CIELab	72.58, -58.71, 29.71
CIELCh	73, 65.802, 153.158
Yxy	44.5237, 0.2685, 0.4662
Android (android.graphics.Color)	4280798073 (0xFF27CB79)
YUV	144.6160, -11.6427, -92.6252
Hunter-Lab	66.7261, -48.1704, 24.1997

# Details

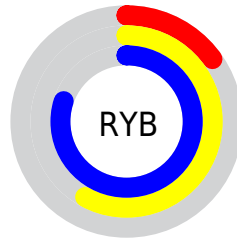
The Hex color **27CB79** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **CB2779**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **71FFAE**, and **009347** is the 20% darker color. If you saturate the color by 10%, you get **13CB6F**, and if you desaturate by 10%, it is **3BCB83**.

# Distribution



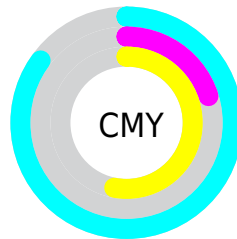
- Red (15%)
- Green (80%)
- Blue (47%)



- Red (15%)
- Yellow (58%)
- Blue (80%)



- Cyan (81%)
- Magenta (0%)
- Yellow (40%)
- Black (20%)



- Cyan (85%)
- Magenta (20%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 27CB79 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 27CB79 by changing the saturation by 10% instead.



 27CB79

 27CB79

FFFFFF

 00AF60

 71FFAE

 009347

 90FFCA

 00792F

 AEF FE6

 005F18

 CDFFFF

 004500

 EBFFFF

 002F00

 001000

 000000

 27CB79

 27CB79

 13CB6F

 3BCB83

 00CB66

 50CB8D

 64CB97

 78CBA2

 8DCBAC

 A1CBB6

 B5CBC0

 C9CBCA

 DECB D4

# Harmonies

## Analogous

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



8EC146



27CB79



00CFB7

# Triad

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



27CB79



26B7FF



FF8474

# Complementary

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



27CB79



CB2779

# 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.



FF7AAE



27CB79



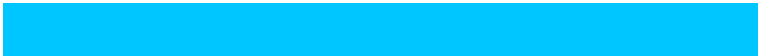
BC9FFF

# Square

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



27CB79



00C6FF



FF86EA



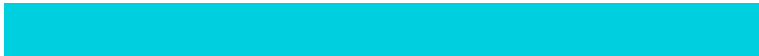
FC9B44

# Rectangle

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



27CB79



00CFE0



FF86EA



FF7E86

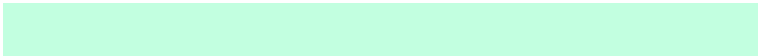


# Sweetspot

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



27CB79



C2FFE0



79CB27



5B806D



000000



808080



# Same Dimension

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



27CB79



08FF83



27CBCB



5C6661



00A653



002613



# Inverse Universe

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



CB2779



FF0883



CB2727



665C61



A60053

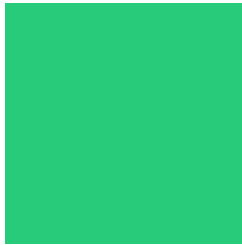


260013



# Previews

## White Background



This preview shows how the Hex color 27CB79 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 27CB79 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

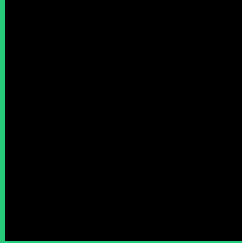
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 27CB79 Background



This preview shows how black text looks on a background with the Hex color 27CB79.

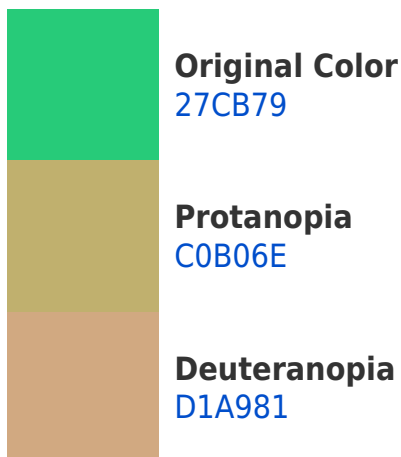


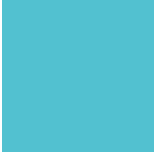
This preview shows how white text looks on a background with the Hex color 27CB79.

# 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**  
52C1D0

# Trichromacy



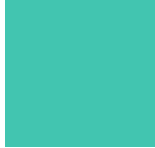
**Original Color**  
27CB79



**Protanomaly**  
88BA72



**Deuteranomaly**  
93B57E



**Tritanomaly**  
42C5B0

# Monochromacy



**Original Color**  
27CB79



**Achromatopsia**  
919191



**Achromatomaly**  
6AA688

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 27CB79 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 #27CB79 looks like.

```
.text, #text, p{  
    color:#27CB79  
}
```

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 #27CB79 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #27CB79
}
```

## Border

The CSS property to change the border of an element to Hex 27CB79 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
#27CB79 }
```

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

```
.border{ border-color:#27CB79 }
```

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

Here you see how a box with a 4 pixel #27CB79 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #27CB79; -webkit-box-shadow:4px 4px  
4px 4px #27CB79; box-shadow:4px 4px 4px  
4px #27CB79 }
```

# Background

The CSS property to change the background color of an element to Hex 27CB79 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#27CB79 }
```

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

```
.background{ background-color:#27CB79 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor