

# Converting Colors

Hex(28EB74)

Have a look what the booklet for  
Hex(28EB74) contains.

<b>Hex(28EB74)</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(28EB74)

# Conversions

## Conversions Part 1

Format	Color
Hex	28EB74
RGB	40, 235, 116
RGB Percent	16%, 92%, 45%
CMY	0.8431, 0.0784, 0.5451
CMYK	0.83, 0.00, 0.51, 0.08
HSL	143°, 83%, 54%
HSV	143°, 83%, 92%
XYZ	33.7358, 61.1287, 26.5440
YIQ	163.1290, -78.0210, -78.3490

# Conversions

## Conversions Part 2

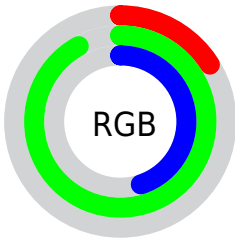
<b>Format</b>	<b>Color</b>
<b>RYB</b>	40, 180, 235
Decimal	2681716
CIELab	82.45, -70.33, 44.80
CIELCh	82, 83.386, 147.504
Yxy	61.1287, 0.2779, 0.5035
Android (android.graphics.Color)	4280871796 (0xFF28EB74)
YUV	163.1290, -23.2346, -107.9841
Hunter-Lab	78.1849, -59.8030, 34.6003

# Details

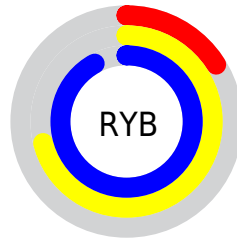
The Hex color **28EB74** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **EB289F**, and the grayscale version is **A3A3A3**.

A 20% lighter version of the original color is **79FFAA**, and **00B240** is the 20% darker color. If you saturate the color by 10%, you get **11EB66**, and if you desaturate by 10%, it is **3FEB82**.

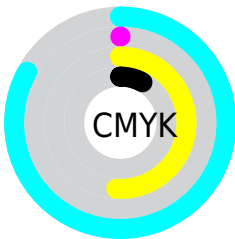
# Distribution



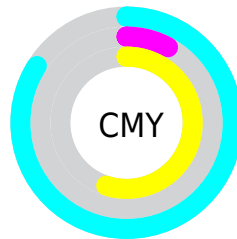
- Red (16%)
- Green (92%)
- Blue (45%)



- Red (16%)
- Yellow (71%)
- Blue (92%)



- Cyan (83%)
- Magenta (0%)
- Yellow (51%)
- Black (8%)



- Cyan (84%)
- Magenta (8%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 28EB74 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 28EB74 by changing the saturation by 10% instead.



 28EB74

 28EB74

FFFFFF

 00CE5A

 79FFAA

 00B240

 9AFFC6

 009626

 B9FFE2

 007B06

 D9FFFF

 006000

 F8FFFF

 004600


 002E00

 001000

 000000

 28EB74

 28EB74

 11EB66

 3FEB82

 00EB5C

 57EB91

 6EEB9F

 86EBAD

 9EEBBC

 B5EBCA

 CCEBD8

 E4EBE7

 FBEBF5

# Harmonies

## Analogous

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



ADDE2D



28EB74



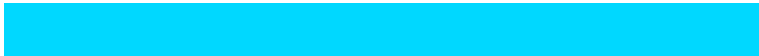
00F1C4

# Triad

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



28EB74



00D8FF



FF888A

# Complementary

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



28EB74



EB289F

# 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.



FF7FD7



28EB74



BFBBFF

# Square

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



28EB74



00EAFB



FF97FF



FFA845

# Rectangle

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



28EB74



00F2FA



FF97FF



FF81A3

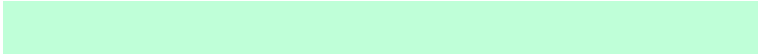


# Sweetspot

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



28EB74



BFFFD8



A0EB28



598068



000000



808080



# Same Dimension

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



28EB74



00FF63



28EBD4



6A756E



00B547



003615



# Inverse Universe

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



EB289F



FF009C



EB283F



756A71



B5006E

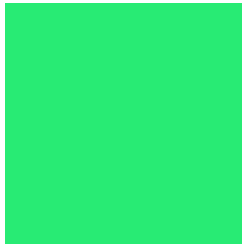


360021



# Previews

## White Background



This preview shows how the Hex color 28EB74 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 28EB74 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

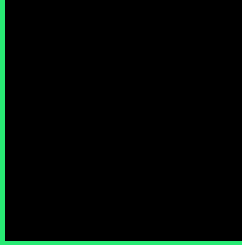
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 28EB74 Background



This preview shows how black text looks on a background with the Hex color 28EB74.

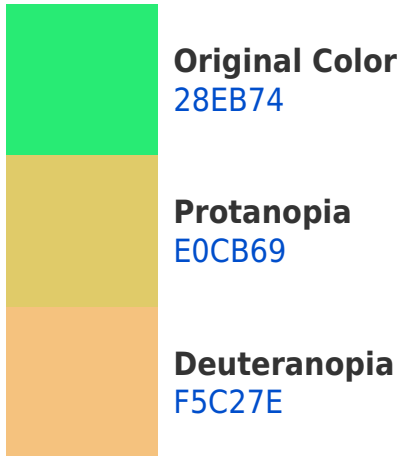


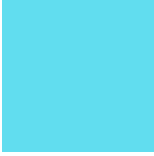
This preview shows how white text looks on a background with the Hex color 28EB74.

# 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**  
61DDEF

# Trichromacy



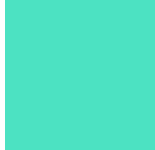
**Original Color**  
28EB74



**Protanomaly**  
9DD76D



**Deuteranomaly**  
AAD17A



**Tritanomaly**  
4CE2C2

# Monochromacy



**Original Color**  
28EB74



**Achromatopsia**  
A3A3A3



**Achromatomaly**  
76BD92

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28EB74 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 #28EB74 looks like.

```
.text, #text, p{  
    color:#28EB74  
}
```

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 #28EB74 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28EB74
}
```

## Border

The CSS property to change the border of an element to Hex 28EB74 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
#28EB74 }
```

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

```
.border{ border-color:#28EB74 }
```

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

Here you see how a box with a 4 pixel #28EB74 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28EB74; -webkit-box-shadow:4px 4px  
4px 4px #28EB74; box-shadow:4px 4px 4px  
4px #28EB74 }
```

# Background

The CSS property to change the background color of an element to Hex 28EB74 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28EB74 }
```

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

```
.background{ background-color:#28EB74 }
```

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