

Converting Colors

Hex(47EB58)

Have a look what the booklet for
Hex(47EB58) contains.

Hex(47EB58)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(47EB58)

Conversions

Conversions Part 1

Format	Color
Hex	47EB58
RGB	71, 235, 88
RGB Percent	28%, 92%, 35%
CMY	0.7216, 0.0784, 0.6549
CMYK	0.70, 0.00, 0.63, 0.08
HSL	126°, 80%, 60%
HSV	126°, 70%, 92%
XYZ	34.0683, 61.4608, 19.3001
YIQ	169.2060, -50.5570, -80.4850

Conversions

Conversions Part 2

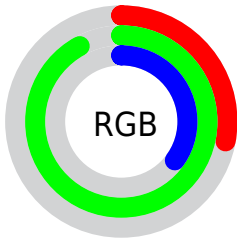
Format	Color
RYB	71, 220, 235
Decimal	4713304
CIELab	82.63, -69.94, 57.70
CIELCh	83, 90.666, 140.478
Yxy	61.4608, 0.2967, 0.5352
Android (android.graphics.Color)	4282903384 (0xFF47EB58)
YUV	169.2060, -40.0346, -86.1267
Hunter-Lab	78.3970, -59.6254, 40.2816

Details

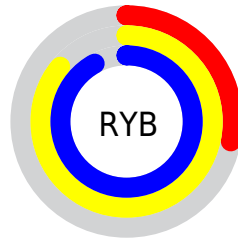
The Hex color **47EB58** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **EB47DA**, and the grayscale version is **AAAAAA**.

A 20% lighter version of the original color is **8BFF8F**, and **00B21D** is the 20% darker color. If you saturate the color by 10%, you get **30EB43**, and if you desaturate by 10%, it is **5EEB6D**.

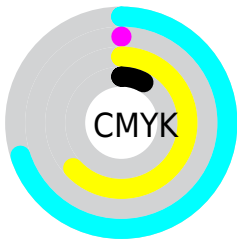
Distribution



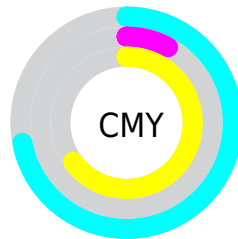
- Red (28%)
- Green (92%)
- Blue (35%)



- Red (28%)
- Yellow (86%)
- Blue (92%)



- Cyan (70%)
- Magenta (0%)
- Yellow (63%)
- Black (8%)



- Cyan (72%)
- Magenta (8%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Hex color 47EB58 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 47EB58 by changing the saturation by 10% instead.

 47EB58

 47EB58


FFFFFF

 0FCE3C

 8BFF8F

 00B21D

 ABFFAB

 009600

 CAFFC7

 007B00

 E9FFE4

 006000

 004700

 002F00

 001100

 000000

 47EB58

 47EB58

 30EB43

 5EEB6D

 18EB2E

 76EB82

 00EB19

 8DEB97

 00EB18

 A5EBAC

 BCEBC1

 D4EBD6

 ECEBEB

 FFEbff

Harmonies

Analogous

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



BEDB00



47EB58



00F3AF

Triad

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



47EB58



00E0FF



FF7997

Complementary

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



47EB58



EB47DA

Split Complementary

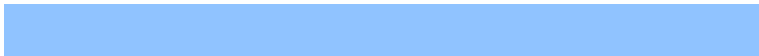
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF77ED



47EB58



90C3FF

Square

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



47EB58



00EFFF



FF9BFF



FF9B49

Rectangle

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



47EB58



00F5EA



FF9BFF



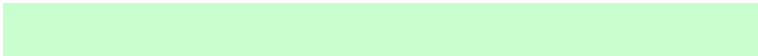
FF73B3

Sweetspot

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



47EB58



C9FFCF



DBEB47



608063



000000



808080

Same Dimension

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



47EB58



29FF3F



47EBA9



6A756B



00B513



003606

Inverse Universe

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



EB47DA



FF29E9



EB4789



756A74



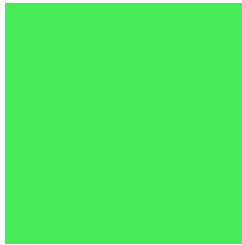
B500A2



360030

Previews

White Background



This preview shows how the Hex color 47EB58 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 47EB58 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 47EB58 Background



This preview shows how black text looks on a background with the Hex color 47EB58.

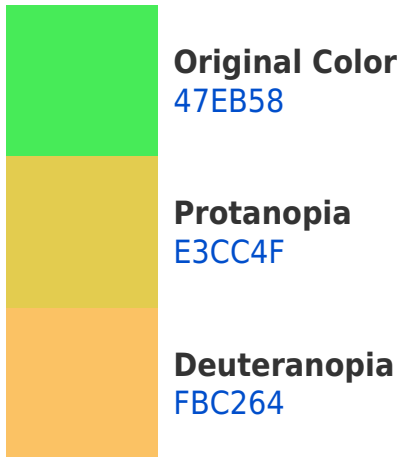


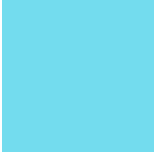
This preview shows how white text looks on a background with the Hex color 47EB58.

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
73DCEE

Trichromacy



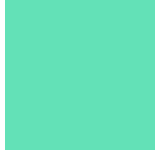
Original Color
47EB58



Protanomaly
AAD752



Deuteranomaly
BAD160



Tritanomaly
63E1B7

Monochromacy



Original Color
47EB58



Achromatopsia
A9A9A9



Achromatomaly
85C18C

CSS Examples

Text

The CSS property to change the color of the text to Hex 47EB58 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 #47EB58 looks like.

```
.text, #text, p{  
    color:#47EB58  
}
```

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 #47EB58 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #47EB58
}
```

Border

The CSS property to change the border of an element to Hex 47EB58 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
#47EB58 }
```

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

```
.border{ border-color:#47EB58 }
```

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

Here you see how a box with a 4 pixel #47EB58 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #47EB58; -webkit-box-shadow:4px 4px  
4px 4px #47EB58; box-shadow:4px 4px 4px  
4px #47EB58 }
```

Background

The CSS property to change the background color of an element to Hex 47EB58 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#47EB58 }
```

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

```
.background{ background-color:#47EB58 }
```

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