

# Converting Colors

Hex(47EBEA)

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

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# **Color**

**Hex(47EBEA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47EBEA
RGB	71, 235, 234
RGB Percent	28%, 92%, 92%
CMY	0.7216, 0.0784, 0.0824
CMYK	0.70, 0.00, 0.00, 0.08
HSL	180°, 80%, 60%
HSV	180°, 70%, 92%
XYZ	47.1581, 66.6968, 88.2302
YIQ	185.8500, -97.4230, -35.0790

# Conversions

## Conversions Part 2

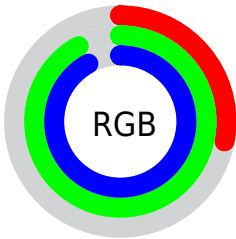
Format	Color
<a href="#">RYB</a>	<a href="#">71, 153, 235</a>
Decimal	<a href="#">4713450</a>
CIELab	<a href="#">85.35, -41.03, -11.72</a>
CIELCh	<a href="#">85, 42.665, 195.939</a>
Yxy	<a href="#">66.6968, 0.2334, 0.3300</a>
Android (android.graphics.Color)	<a href="#">4282903530 (0xFF47EBEA)</a>
YUV	<a href="#">185.8500, 23.7380, -100.7234</a>
Hunter-Lab	<a href="#">81.6681, -39.8467, -6.8863</a>

# Details

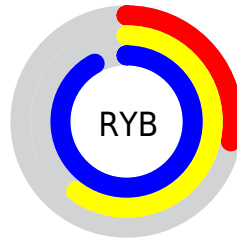
The Hex color **47EBEA** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **EB4748**, and the grayscale version is **BABABA**.

A 20% lighter version of the original color is **8DFFFF**, and **00B3B2** is the 20% darker color. If you saturate the color by 10%, you get **30EBEA**, and if you desaturate by 10%, it is **5EEBEA**.

# Distribution



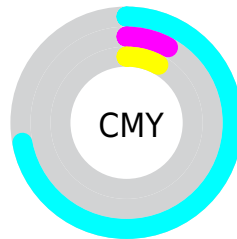
- Red (28%)
- Green (92%)
- Blue (92%)



- Red (28%)
- Yellow (60%)
- Blue (92%)



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



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

# Brightness & Saturation Gradients

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



 47EBEA

 47EBEA

FFFFFF

 06CECE

 8DFFFF

 00B3B2

 ADFFFF

 009798

 CDFFFF

 007D7E

 ECFFFF

 006365

 004A4D

 003336

 001C21

 000009

 47E8EA

 47E8EA

 30E8EA

 5EE8EA

 18E8EA

 76E8EA

 00E8EA

 8DE8EA

 A5E8EB

 BCE8EB

 D4E8EB

 ECE8EB

 FFE8EB

# Harmonies

## Analogous

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



7BEAC0



47EBEA



3FE7FF

# Triad

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



47EBEA



F5C3FF



FFCC87

# Complementary

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



47EBEA



EB4748

# 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.



FFBF9D



47EBEA



FFB8EA

# Square

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



47EBEA



BED2FF



FFB7C1



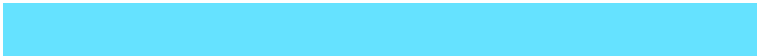
DBDA87

# Rectangle

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



47EBEA



65E2FF



FFB7C1



FFC88C

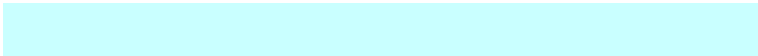


# Sweetspot

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



47EBEA



C9FFFF



4AEB47



60807F



000000



808080



# Same Dimension

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



47EBEA



29FFFE



479CEB



6A7575



00B5B4



003635



# Inverse Universe

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



EB4748



FF292A



EB9647



756A6A



B50001

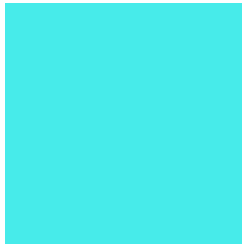


360000



# Previews

## White Background



This preview shows how the Hex color 47EBEA looks on a white background.

## Color Contrast Check

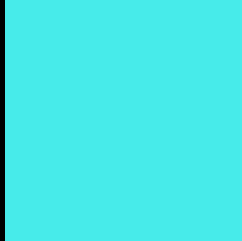
Large Text (above 18pt) WCAG AA × Fail

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 47EBEA looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

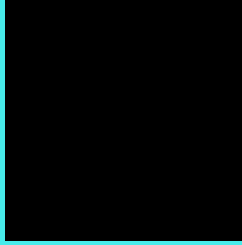
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 47EBEA Background



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

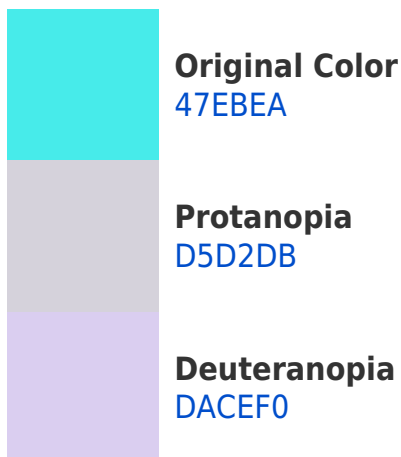


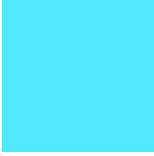
This preview shows how white text looks on a background with the Hex color 47EBEA.

# 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**  
51E8FB

# Trichromacy



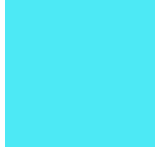
**Original Color**  
47EBEA



**Protanomaly**  
A1DBE0



**Deuteranomaly**  
A5D9EE

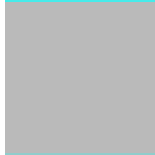


**Tritanomaly**  
4DE9F5

# Monochromacy



**Original Color**  
47EBEA



**Achromatopsia**  
BABABA



**Achromatomaly**  
90CCCB

# CSS Examples

## Text

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

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

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 #47EBEA colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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