

# Converting Colors

Hex(46ECB7)

Have a look what the booklet for  
Hex(46ECB7) contains.

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# Color

**Hex(46ECB7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46ECB7
RGB	70, 236, 183
RGB Percent	27%, 93%, 72%
CMY	0.7255, 0.0745, 0.2824
CMYK	0.70, 0.00, 0.22, 0.07
HSL	161°, 81%, 60%
HSV	161°, 70%, 93%
XYZ	41.0685, 64.7119, 55.1259
YIQ	180.3240, -81.9230, -51.6750

# Conversions

## Conversions Part 2

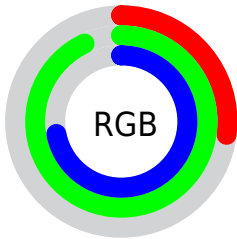
Format	Color
<a href="#">RYB</a>	<a href="#">70, 169, 236</a>
Decimal	<a href="#">4648119</a>
CIELab	<a href="#">84.34, -54.48, 13.59</a>
CIElCh	<a href="#">84, 56.147, 165.994</a>
Yxy	<a href="#">64.7119, 0.2552, 0.4022</a>
Android (android.graphics.Color)	<a href="#">4282838199 (0xFF46ECB7)</a>
YUV	<a href="#">180.3240, 1.3193, -96.7541</a>
Hunter-Lab	<a href="#">80.4437, -49.6479, 15.6808</a>

# Details

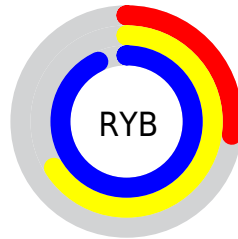
The Hex color **46ECB7** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **EC467B**, and the grayscale version is **B4B4B4**.

A 20% lighter version of the original color is **8AFFEF**, and **00B382** is the 20% darker color. If you saturate the color by 10%, you get **2EECAF**, and if you desaturate by 10%, it is **5EECBF**.

# Distribution



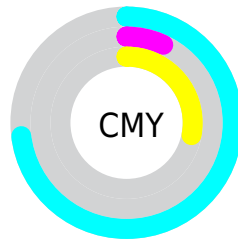
- Red (27%)
- Green (93%)
- Blue (72%)



- Red (27%)
- Yellow (66%)
- Blue (93%)



- Cyan (70%)
- Magenta (0%)
- Yellow (22%)
- Black (7%)



- Cyan (73%)
- Magenta (7%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46ECB7 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 46ECB7 by changing the saturation by 10% instead.



 46ECB7

 46ECB7


FFFFFF

 0FCF9C

 8AFFEF

 00B382

 A9FFFF

 009869

 C8FFFF

 007D51

 E7FFFF

 006339

 004924

 00320F

 001800

 000000

 46ECB7

 46ECB7

 2EECAF

 5EECBF

 17ECA8

 75ECC6

 00ECA1

 8DECCE

 A4ECD5

 BCECDD

 D4ECE4

 EBCECE

 FFECF3

 FFECFB

# Harmonies

## Analogous

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



9BE586



46ECB7



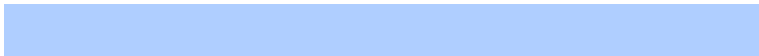
00EEEE

# Triad

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



46ECB7



AFCEFF



FFB488

# Complementary

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



46ECB7



EC467B

# 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.



FFA7B8



46ECB7



FBBAFF

# Square

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



46ECB7



24DFFF



FFAAEE



FFC76A

# Rectangle

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



46ECB7



00ECFF



FFAAEE



FFAE97

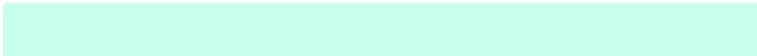


# Sweetspot

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



46ECB7



C9FFEE



7DEC46



608075



000000



808080



# Same Dimension

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



46ECB7



29FFBB



46D0EC



6A7572



00B57B



003624



# Inverse Universe

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



EC467B



FF296D



EC6246



756A6D



B5003A

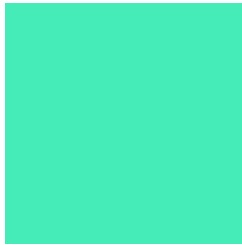


360011



# Previews

## White Background



This preview shows how the Hex color 46ECB7 looks on a white background.

## Color Contrast Check

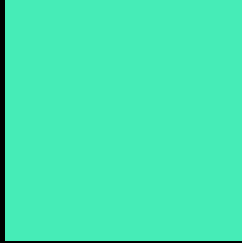
Large Text (above 18pt) WCAG AA × Fail

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 46ECB7 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

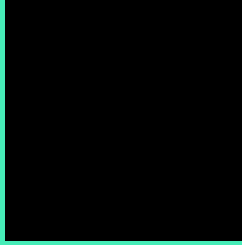
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 46ECB7 Background



This preview shows how black text looks on a background with the Hex color 46ECB7.

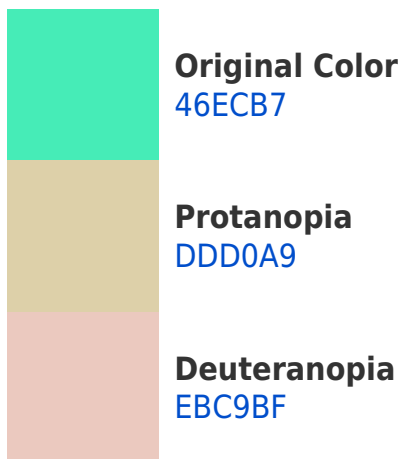


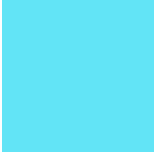
This preview shows how white text looks on a background with the Hex color 46ECB7.

# 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**  
62E4F6

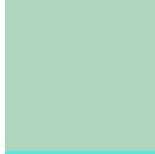
# Trichromacy



**Original Color**  
46ECB7



**Protanomaly**  
A6DAAE



**Deuteranomaly**  
AFD6BC

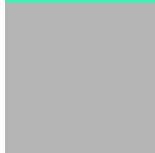


**Tritanomaly**  
58E7DF

# Monochromacy



**Original Color**  
46ECB7



**Achromatopsia**  
B4B4B4



**Achromatomaly**  
8CC8B5

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46ECB7 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 #46ECB7 looks like.

```
.text, #text, p{  
    color:#46ECB7  
}
```

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 #46ECB7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46ECB7  
}
```

## Border

The CSS property to change the border of an element to Hex 46ECB7 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  
#46ECB7 }
```

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

```
.border{ border-color:#46ECB7 }
```

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

Here you see how a box with a 4 pixel #46ECB7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46ECB7; -webkit-box-shadow:4px 4px  
4px 4px #46ECB7; box-shadow:4px 4px 4px  
4px #46ECB7 }
```

# Background

The CSS property to change the background color of an element to Hex 46ECB7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46ECB7 }
```

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

```
.background{ background-color:#46ECB7 }
```

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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