

# Converting Colors

Hex(47A7EB)

Have a look what the booklet for  
Hex(47A7EB) contains.

<b>Hex(47A7EB)</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(47A7EB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47A7EB
RGB	71, 167, 235
RGB Percent	28%, 65%, 92%
CMY	0.7216, 0.3451, 0.0784
CMYK	0.70, 0.29, 0.00, 0.08
HSL	205°, 80%, 60%
HSV	205°, 70%, 92%
XYZ	31.4126, 34.9752, 83.6925
YIQ	146.0480, -79.0440, 0.7960

# Conversions

## Conversions Part 2

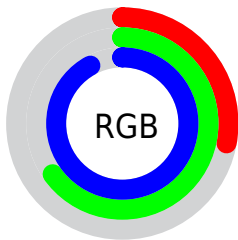
Format	Color
R <sub>Y</sub> B	71, 132, 235
Decimal	4696043
CIE Lab	65.73, -6.59, -42.29
CIE LCh	66, 42.803, 261.147
Yxy	34.9752, 0.2093, 0.2330
Android (android.graphics.Color)	4282886123 (0xFF47A7EB)
YUV	146.0480, 43.8533, -65.8171
Hunter-Lab	59.1398, -8.6828, -42.5072

# Details

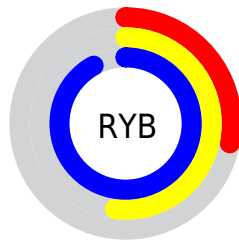
The Hex color **47A7EB** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **EB8B47**, and the grayscale version is **929292**.

A 20% lighter version of the original color is **89DEFF**, and **0073B3** is the 20% darker color. If you saturate the color by 10%, you get **309DEB**, and if you desaturate by 10%, it is **5EB1EB**.

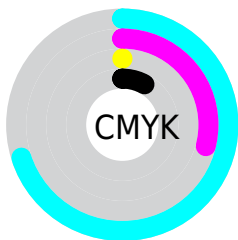
# Distribution



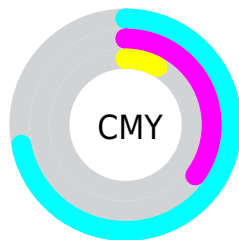
- Red (28%)
- Green (65%)
- Blue (92%)



- Red (28%)
- Yellow (52%)
- Blue (92%)



- Cyan (70%)
- Magenta (29%)
- Yellow (0%)
- Black (8%)



- Cyan (72%)
- Magenta (35%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 47A7EB 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 47A7EB by changing the saturation by 10% instead.



 47A7EB

 47A7EB

FFFFFF

 188DCB

 89DEFF

 0073B3

 A7FAFF

 005B98

 C6FFFF


 00447E

 E4FFFF

 002E64

 001A4C

 000535

 00021F

 000001

 47A7EB

 47A7EB

 309DEB

 5EB1EB

 1894EB

 76BAEB

 008AEB

 8DC4EB

 A5CEEB

 BCD8EB

 D4E1EB

 ECEBEB

 FFF5EB

 FFFFEB

# Harmonies

## Analogous

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



00B0DA



47A7EB



929AE7

# Triad

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



47A7EB



E98286



70AE6E

# Complementary

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



47A7EB



EB8B47

# 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.



9CA656



47A7EB



DD8C65

# Square

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



47A7EB



E282AD



C19A53



32B393

# Rectangle

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



47A7EB



B690DA



C19A53



80AC64

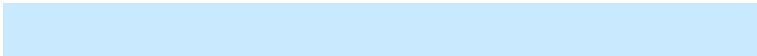


# Sweetspot

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



47A7EB



C9E9FF



47EB89



607280



000000



808080



# Same Dimension

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



47A7EB



29A6FF



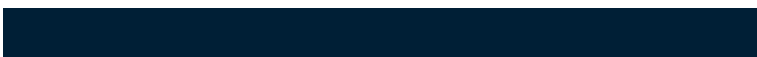
4757EB



6A7075



006AB5



001F36



# Inverse Universe

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



EB47A7



FF29A6



EBDB47



756A70



B5006A



36001F



# Previews

## White Background



This preview shows how the Hex color 47A7EB looks on a white background.

## Color Contrast Check

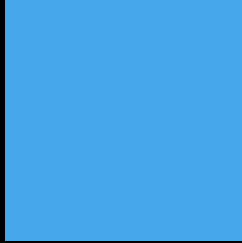
Large Text (above 18pt) WCAG AA × Fail

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 47A7EB 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

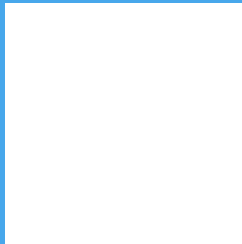
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 47A7EB Background



This preview shows how black text looks on a background with the Hex color 47A7EB.

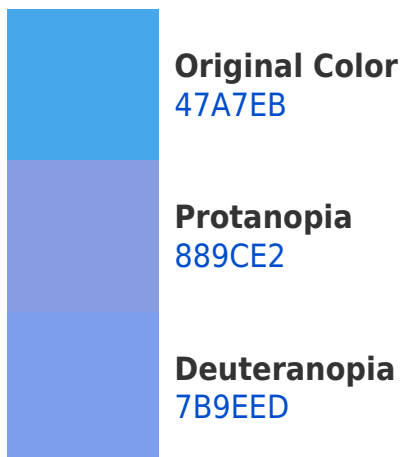


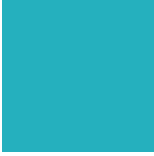
This preview shows how white text looks on a background with the Hex color 47A7EB.

# 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](#).

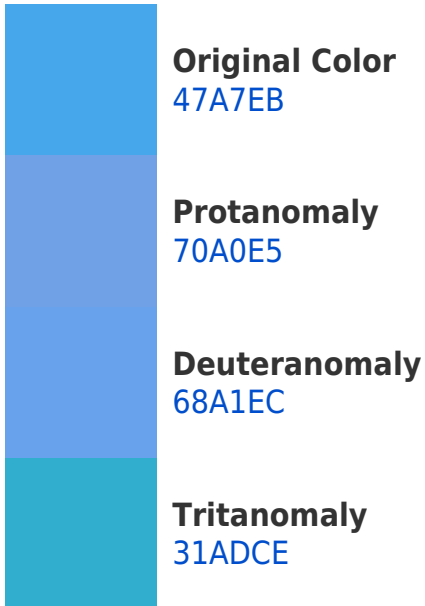
## Dichromacy



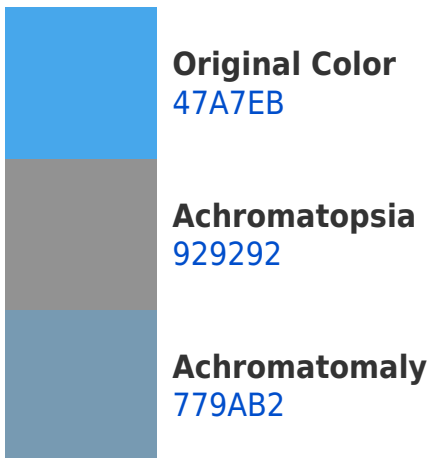


**Tritanopia**  
25B0BE

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 47A7EB 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 #47A7EB looks like.

```
.text, #text, p{  
    color:#47A7EB  
}
```

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 #47A7EB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #47A7EB
}
```

## Border

The CSS property to change the border of an element to Hex 47A7EB 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
#47A7EB }
```

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

```
.border{ border-color:#47A7EB }
```

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

Here you see how a box with a 4 pixel #47A7EB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #47A7EB; -webkit-box-shadow:4px 4px  
4px 4px #47A7EB; box-shadow:4px 4px 4px  
4px #47A7EB }
```

# Background

The CSS property to change the background color of an element to Hex 47A7EB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#47A7EB }
```

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

```
.background{ background-color:#47A7EB }
```

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