

# Converting Colors

Hex(47EBDD)

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

<b>Hex(47EBDD)</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(47EBDD)

# Conversions

## Conversions Part 1

Format	Color
Hex	47EBDD
RGB	71, 235, 221
RGB Percent	28%, 92%, 87%
CMY	0.7216, 0.0784, 0.1333
CMYK	0.70, 0.00, 0.06, 0.08
HSL	175°, 80%, 60%
HSV	175°, 70%, 92%
XYZ	45.3580, 65.9767, 78.7508
YIQ	184.3680, -93.2500, -39.1220

# Conversions

## Conversions Part 2

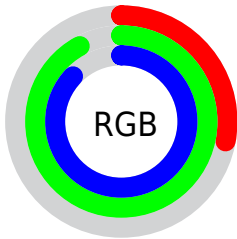
Format	Color
<a href="#">RYB</a>	<a href="#">71, 157, 235</a>
Decimal	<a href="#">4713437</a>
CIELab	<a href="#">84.98, -44.55, -5.42</a>
CIElCh	<a href="#">85, 44.877, 186.930</a>
Yxy	<a href="#">65.9767, 0.2386, 0.3471</a>
Android (android.graphics.Color)	<a href="#">4282903517 (0xFF47EBDD)</a>
YUV	<a href="#">184.3680, 18.0596, -99.4237</a>
Hunter-Lab	<a href="#">81.2261, -42.4682, -0.6250</a>

# Details

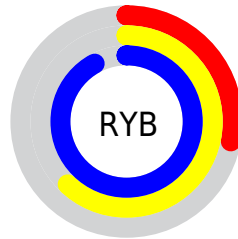
The Hex color **47EBDD** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **EB4755**, and the grayscale version is **B8B8B8**.

A 20% lighter version of the original color is **8CFFFF**, and **00B2A6** is the 20% darker color. If you saturate the color by 10%, you get **30EBDB**, and if you desaturate by 10%, it is **5EEBDF**.

# Distribution



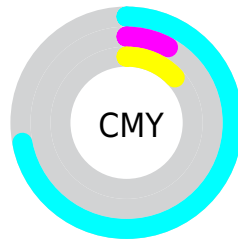
- Red (28%)
- Green (92%)
- Blue (87%)



- Red (28%)
- Yellow (62%)
- Blue (92%)



- Cyan (70%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)



- Cyan (72%)
- Magenta (8%)
- Yellow (13%)

# Brightness & Saturation Gradients

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



 47EBDD

FFFFFF

 8CFFFF

 ACFFFF


 CBFFFF

 EBFFFF

 47EBDD

 0BCEC1

 00B2A6

 00978C

 007D72

 00635A

 004A43

 00322C

 001B18

 000000

 47EBDD

 47EBDD

 30EBDB

 5EEBDF

 18EBD9

 76EBE1

 00EBD7

 8DEBE3

 A5EBE5

 BCEBE7

 D4EBE9

 ECEBEB

 FFEBED

 FFEBEF

# Harmonies

## Analogous

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



84E8B2



47EBDD



0DE9FF

# Triad

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



47EBDD



E6C6FF



FFC687

# Complementary

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



47EBDD



EB4755

# 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.



FFB9A3



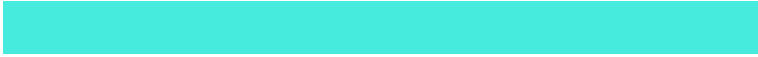
47EBDD



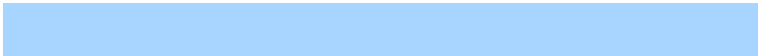
FFB8F6

# Square

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



47EBDD



A7D5FF



FFB3CC



E7D57F

# Rectangle

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



47EBDD



3FE5FF



FFB3CC



FFC18E

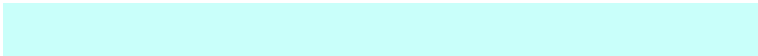


# Sweetspot

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



47EBDD



C9FFFA



57EB47



60807D



000000



808080



# Same Dimension

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



47EBDD



29FFED



47A9EB



6A7574



00B5A6



003631



# Inverse Universe

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



EB4755



FF293B



EB8947



756A6B



B5000F

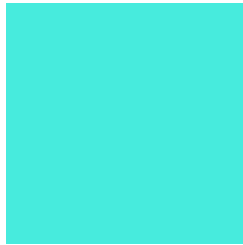


360005



# Previews

## White Background



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

## Color Contrast Check

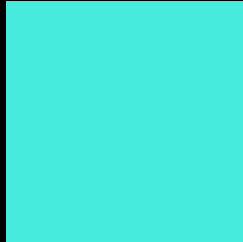
Large Text (above 18pt) WCAG AA × Fail

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 47EBDD looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

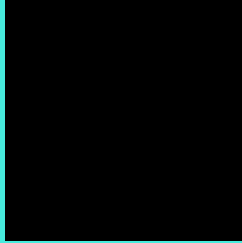
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 47EBDD Background



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

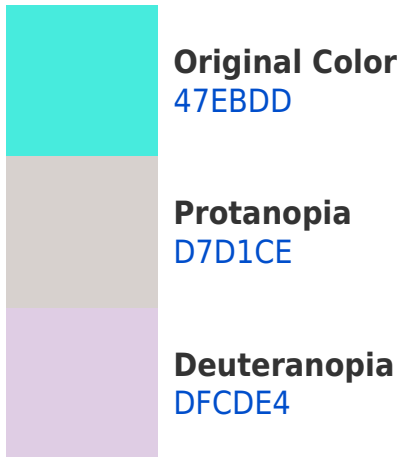


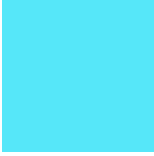
This preview shows how white text looks on a background with the Hex color 47EBDD.

# 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**  
56E7F9

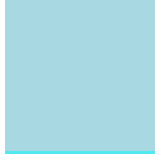
# Trichromacy



**Original Color**  
47EBDD



**Protanomaly**  
A3DAD3



**Deuteranomaly**  
A8D8E1

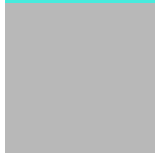


**Tritanomaly**  
51E8EF

# Monochromacy



**Original Color**  
47EBDD



**Achromatopsia**  
B8B8B8



**Achromatomaly**  
8FCBC5

# CSS Examples

## Text

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

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

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 #47EBDD colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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