

# Converting Colors

Hex(42ECA8)

Have a look what the booklet for  
Hex(42ECA8) contains.

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# **Color**

**Hex(42ECA8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42ECA8
RGB	66, 236, 168
RGB Percent	26%, 93%, 66%
CMY	0.7412, 0.0745, 0.3412
CMYK	0.72, 0.00, 0.29, 0.07
HSL	156°, 82%, 59%
HSV	156°, 72%, 93%
XYZ	39.3101, 63.9763, 47.3226
YIQ	177.4180, -79.4920, -57.1880

# Conversions

## Conversions Part 2

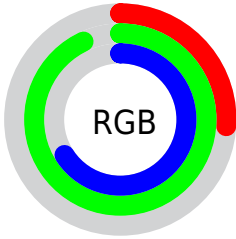
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 172, 236
Decimal	4385960
CIELab	83.95, -58.31, 20.84
CIELCh	84, 61.918, 160.334
Yxy	63.9763, 0.2610, 0.4248
Android (android.graphics.Color)	4282576040 (0xFF42ECA8)
YUV	177.4180, -4.6431, -97.7136
Hunter-Lab	79.9852, -52.2472, 20.9112

# Details

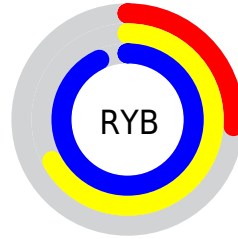
The Hex color **42ECA8** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted spring green. A complement of this color would be **EC4286**, and the grayscale version is **B2B2B2**.

A 20% lighter version of the original color is **87FFDF**, and **00B374** is the 20% darker color. If you saturate the color by 10%, you get **2AEC9F**, and if you desaturate by 10%, it is **5AECB1**.

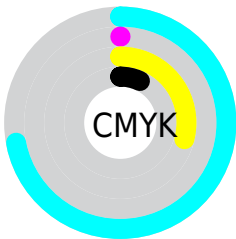
# Distribution



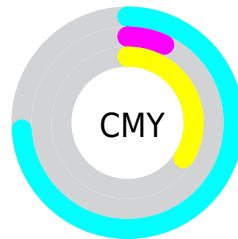
- Red (26%)
- Green (93%)
- Blue (66%)



- Red (26%)
- Yellow (67%)
- Blue (93%)



- Cyan (72%)
- Magenta (0%)
- Yellow (29%)
- Black (7%)



- Cyan (74%)
- Magenta (7%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42ECA8 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 42ECA8 by changing the saturation by 10% instead.



 42ECA8

 42ECA8

FFFFFF

 00CF8D

 87FFDF

 00B374

 A6FFFC

 00975B

 C5FFFF

 007C43

 E4FFFF

 00622C

 004916

 003200

 001600

 000000

 42ECA8

 42ECA8

 2AEC9F

 5AECB1

 13EC95

 71ECBB

 00EC8E

 89ECC4

 A0ECCE

 B8ECD7

 D0ECE1

 E7ECEA

 FFECF4

 FFECFD

# Harmonies

## Analogous

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



A0E375



42ECA8



00EFE4

# Triad

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



42ECA8



91D1FF



FFAB89

# Complementary

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



42ECA8



EC4286

# 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.



FF9FBF



42ECA8



F0BAFF

# Square

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



42ECA8



00E2FF



FFA5FA



FFC062

# Rectangle

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



42ECA8



00EEFF



FFA5FA



FFA69A

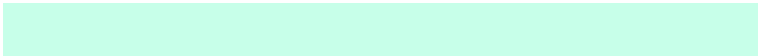


# Sweetspot

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



42ECA8



C7FFE9



86EC42



5E8072



000000



808080



# Same Dimension

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



42ECA8



24FFA7



42DEEC



6A7571



00B56D



003620



# Inverse Universe

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



EC4286



FF247B



EC5342



756A6E



B50048

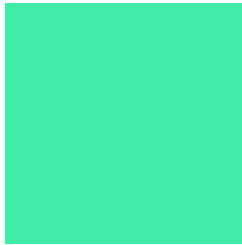


360015



# Previews

## White Background



This preview shows how the Hex color 42ECA8 looks on a white background.

## Color Contrast Check

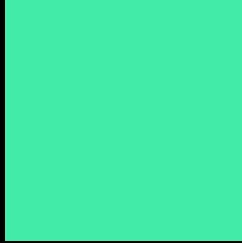
Large Text (above 18pt) WCAG AA × Fail

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 42ECA8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

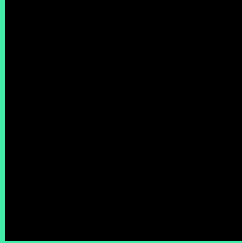
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 42ECA8 Background



This preview shows how black text looks on a background with the Hex color 42ECA8.

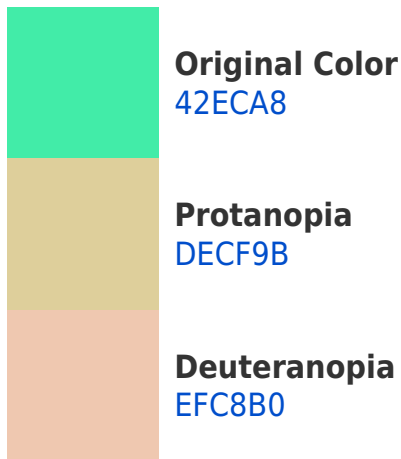


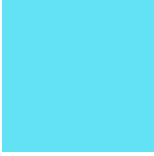
This preview shows how white text looks on a background with the Hex color 42ECA8.

# 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**  
64E2F5

# Trichromacy



**Original Color**  
42ECA8



**Protanomaly**  
A5DAA0



**Deuteranomaly**  
B0D5AD

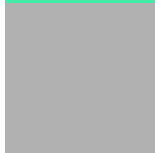


**Tritanomaly**  
58E6D9

# Monochromacy



**Original Color**  
42ECA8



**Achromatopsia**  
B1B1B1



**Achromatomaly**  
89C6AE

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42ECA8 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 #42ECA8 looks like.

```
.text, #text, p{  
    color:#42ECA8  
}
```

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 #42ECA8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42ECA8  
}
```

## Border

The CSS property to change the border of an element to Hex 42ECA8 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  
#42ECA8 }
```

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

```
.border{ border-color:#42ECA8 }
```

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

Here you see how a box with a 4 pixel #42ECA8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42ECA8; -webkit-box-shadow:4px 4px  
4px 4px #42ECA8; box-shadow:4px 4px 4px  
4px #42ECA8 }
```

# Background

The CSS property to change the background color of an element to Hex 42ECA8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42ECA8 }
```

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

```
.background{ background-color:#42ECA8 }
```

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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