

# Converting Colors

Hex(42C0EE)

Have a look what the booklet for  
Hex(42C0EE) contains.

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# **Color**

**Hex(42C0EE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42C0EE
RGB	66, 192, 238
RGB Percent	26%, 75%, 93%
CMY	0.7412, 0.2471, 0.0667
CMYK	0.72, 0.19, 0.00, 0.07
HSL	196°, 83%, 60%
HSV	196°, 72%, 93%
XYZ	36.5290, 45.0306, 87.6554
YIQ	159.5700, -89.8620, -12.4060

# Conversions

## Conversions Part 2

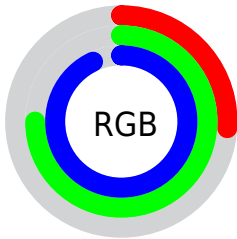
Format	Color
R <sub>Y</sub> B	66, 139, 238
Decimal	4374766
CIE Lab	72.91, -19.71, -32.76
CIE LCh	73, 38.231, 238.958
Yxy	45.0306, 0.2159, 0.2661
Android (android.graphics.Color)	4282564846 (0xFF42C0EE)
YUV	159.5700, 38.6660, -82.0609
Hunter-Lab	67.1048, -20.2656, -30.4740

# Details

The Hex color **42C0EE** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **EE7042**, and the grayscale version is **9F9F9F**.

A 20% lighter version of the original color is **87F8FF**, and **008AB6** is the 20% darker color. If you saturate the color by 10%, you get **2ABAEF**, and if you desaturate by 10%, it is **5AC6EE**.

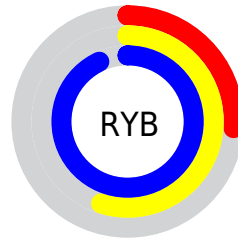
# Distribution



Red (26%)

Green (75%)

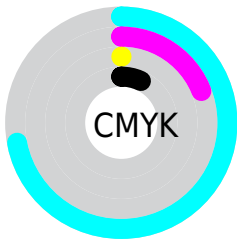
Blue (93%)



Red (26%)

Yellow (55%)

Blue (93%)

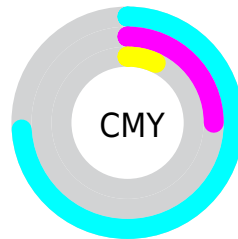


Cyan (72%)

Magenta (19%)

Yellow (0%)

Black (7%)



Cyan (74%)

Magenta (25%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42C0EE 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 42C0EE by changing the saturation by 10% instead.



 42C0EE

 42C0EE

FFFFFF

 01A5D2

 87F8FF

 008AB6

 A6FFFF

 00719B

 C5FFFF

 005881

 E4FFFF

 004167

 002B4F

 001538

 000222

 000008

 42C0EE

 42C0EE

 2ABAEE

 5AC6EE

 12B3EE

 72CDEE

 00AEEE

 89D3EE

 A1D9EE

 B9E0EE

 D1E6EE

 E9EDEE

 FFF3EE

 FFF9EE

# Harmonies

## Analogous

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



25C5D4



42C0EE



7FB7F8

# Triad

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



42C0EE



F498B6



A7BB75

# Complementary

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



42C0EE



EE7042

# 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.



CBB06C



42C0EE



F69B93

# Square

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



42C0EE



DE9ED8



E7A478



7EC28E

# Rectangle

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



42C0EE



A4AFF5



E7A478



B4B870

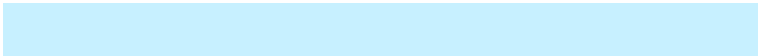


# Sweetspot

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



42C0EE



C7F0FF



42EE70



5E7780



000000



808080



# Same Dimension

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



42C0EE



21C4FF



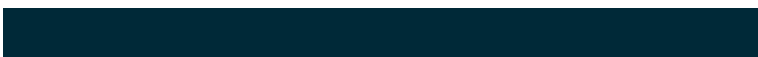
426AEE



6C7578



0086B8



002938



# Inverse Universe

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



EE42C0



FF21C4



EEC642



786C75



B80086

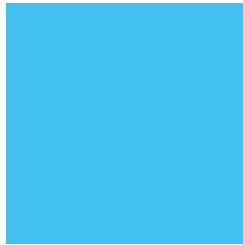


380029



# Previews

## White Background



This preview shows how the Hex color 42C0EE looks on a white background.

## Color Contrast Check

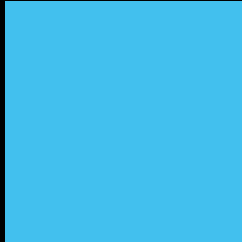
Large Text (above 18pt) WCAG AA × Fail

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 42C0EE 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

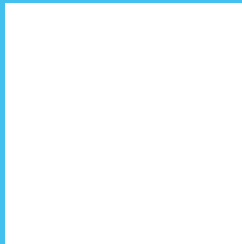
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 42C0EE Background



This preview shows how black text looks on a background with the Hex color 42C0EE.

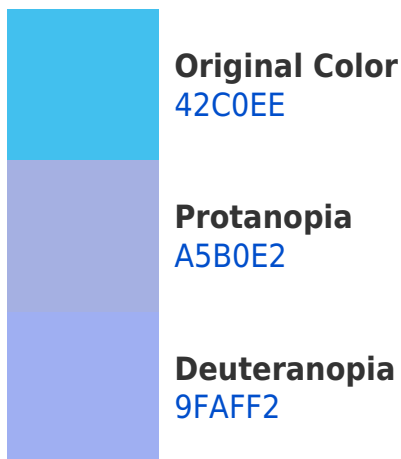


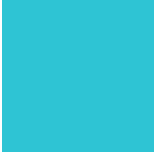
This preview shows how white text looks on a background with the Hex color 42C0EE.

# 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](#).

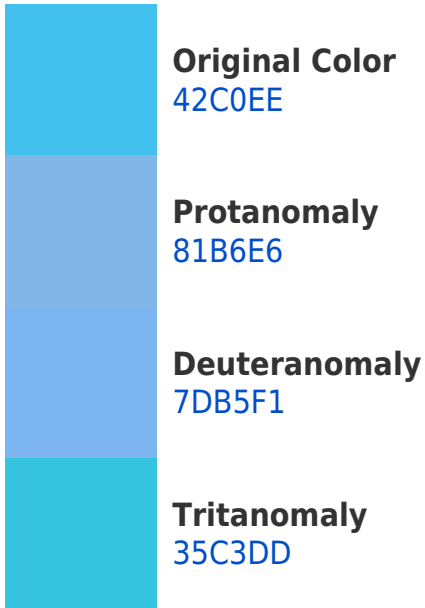
## Dichromacy



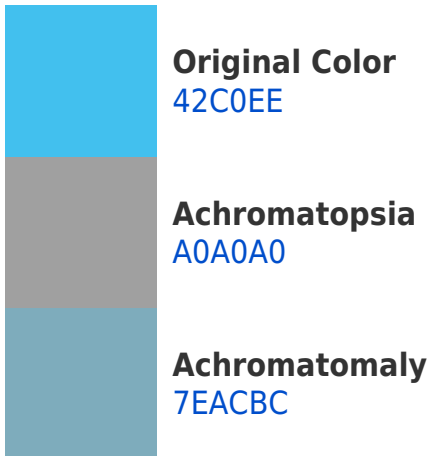


**Tritanopia**  
2EC4D4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42C0EE 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 #42C0EE looks like.

```
.text, #text, p{  
    color:#42C0EE  
}
```

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 #42C0EE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42C0EE
}
```

## Border

The CSS property to change the border of an element to Hex 42C0EE 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
#42C0EE }
```

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

```
.border{ border-color:#42C0EE }
```

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

Here you see how a box with a 4 pixel #42C0EE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42C0EE; -webkit-box-shadow:4px 4px  
4px 4px #42C0EE; box-shadow:4px 4px 4px  
4px #42C0EE }
```

# Background

The CSS property to change the background color of an element to Hex 42C0EE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42C0EE }
```

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

```
.background{ background-color:#42C0EE }
```

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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