

# Converting Colors

Hex(46CDE9)

Have a look what the booklet for  
Hex(46CDE9) contains.

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# **Color**

**Hex(46CDE9)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46CDE9
RGB	70, 205, 233
RGB Percent	27%, 80%, 91%
CMY	0.7255, 0.1961, 0.0863
CMYK	0.70, 0.12, 0.00, 0.09
HSL	190°, 79%, 59%
HSV	190°, 70%, 91%
XYZ	39.0651, 50.8479, 84.8465
YIQ	167.8270, -89.4480, -19.9120

# Conversions

## Conversions Part 2

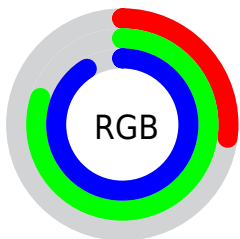
Format	Color
<a href="#">RYB</a>	<a href="#">70, 144, 233</a>
Decimal	<a href="#">4640233</a>
CIELab	<a href="#">76.59, -27.33, -24.41</a>
CIElCh	<a href="#">77, 36.644, 221.773</a>
Yxy	<a href="#">50.8479, 0.2235, 0.2910</a>
Android (android.graphics.Color)	<a href="#">4282830313</a> ( <a href="#">0xFF46CDE9</a> )
YUV	<a href="#">167.8270, 32.1303, -85.7943</a>
Hunter-Lab	<a href="#">71.3077, -26.9994, -20.6316</a>

# Details

The Hex color **46CDE9** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **E96246**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **8AFFFF**, and **0096B1** is the 20% darker color. If you saturate the color by 10%, you get **2FC9E9**, and if you desaturate by 10%, it is **5DD1E9**.

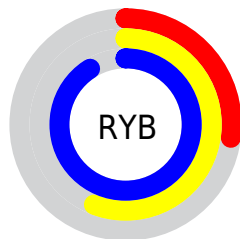
# Distribution



Red (27%)

Green (80%)

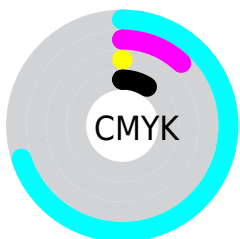
Blue (91%)



Red (27%)

Yellow (56%)

Blue (91%)

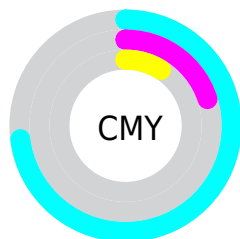


Cyan (70%)

Magenta (12%)

Yellow (0%)

Black (9%)



Cyan (73%)

Magenta (20%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46CDE9 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 46CDE9 by changing the saturation by 10% instead.



 46CDE9

 46CDE9

FFFFFF

 10B1CD

 8AFFFF

 0096B1

 A9FFFF

 007C97

 C8FFFF

 00637D

 E7FFFF

 004B64

 00344C

 002135

 000220

 000003

■ 46CDE9

■ 46CDE9

■ 2FC9E9

■ 5DD1E9

■ 17C5E9

■ 75D5E9

■ 00C1E9

■ 8CD9E9

■ A3DDE9

■ BBE1E9

■ D2E5E9

■ E9E9E9

■ FFEDE9

■ FFF1E9

# Harmonies

## Analogous

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



51CFCA



46CDE9



6EC6FD

# Triad

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



46CDE9



F2A6D3



C7BF7A

# Complementary

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



46CDE9



E96246

# 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.



E6B47D



46CDE9



FFA3B1

# Square

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



46CDE9



D2AFF0



FBA991



A1C889

# Rectangle

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



46CDE9



91C0FF



FBA991



D2BC79

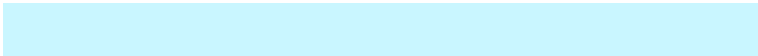


# Sweetspot

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



46CDE9



C9F6FF



46E961



607A80



000000



808080



# Same Dimension

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



46CDE9



29DAFF



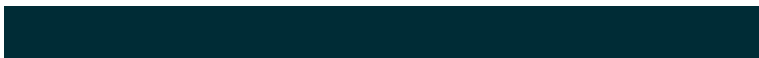
467CE9



6A7375



0096B5



002C36



# Inverse Universe

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



E946CD



FF29DA



E9B346



756A73



B50096

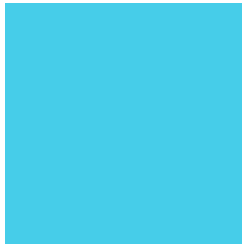


36002C



# Previews

## White Background



This preview shows how the Hex color 46CDE9 looks on a white background.

## Color Contrast Check

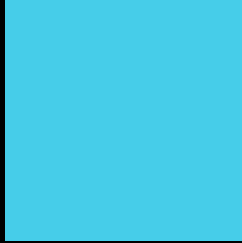
Large Text (above 18pt) WCAG AA × Fail

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 46CDE9 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

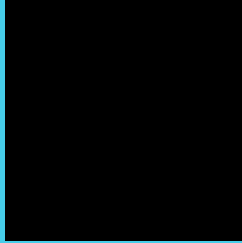
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 46CDE9 Background



This preview shows how black text looks on a background with the Hex color 46CDE9.

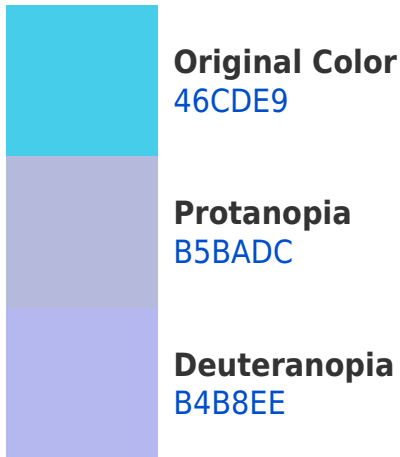


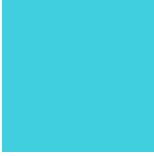
This preview shows how white text looks on a background with the Hex color 46CDE9.

# 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](#).

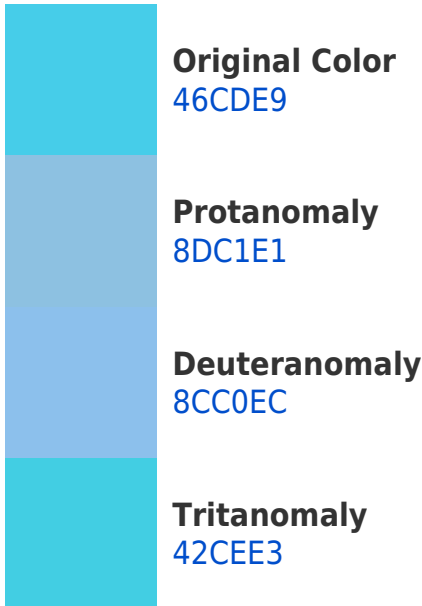
## Dichromacy



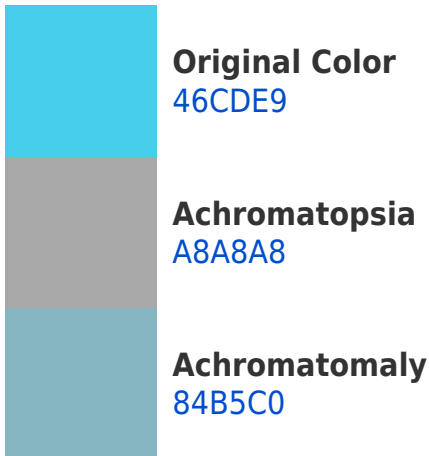


**Tritanopia**  
40CFDF

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46CDE9 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 #46CDE9 looks like.

```
.text, #text, p{  
    color:#46CDE9  
}
```

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 #46CDE9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46CDE9
}
```

## Border

The CSS property to change the border of an element to Hex 46CDE9 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
#46CDE9 }
```

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

```
.border{ border-color:#46CDE9 }
```

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

Here you see how a box with a 4 pixel #46CDE9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46CDE9; -webkit-box-shadow:4px 4px  
4px 4px #46CDE9; box-shadow:4px 4px 4px  
4px #46CDE9 }
```

# Background

The CSS property to change the background color of an element to Hex 46CDE9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46CDE9 }
```

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

```
.background{ background-color:#46CDE9 }
```

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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