

# Converting Colors

Hex(70CFBA)

Have a look what the booklet for  
Hex(70CFBA) contains.

<b>Hex(70CFBA)</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(70CFBA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70CFBA
RGB	112, 207, 186
RGB Percent	44%, 81%, 73%
CMY	0.5608, 0.1882, 0.2706
CMYK	0.46, 0.00, 0.10, 0.19
HSL	167°, 50%, 63%
HSV	167°, 46%, 81%
XYZ	37.8578, 51.6156, 54.4219
YIQ	176.2010, -49.8790, -26.6710

# Conversions

## Conversions Part 2

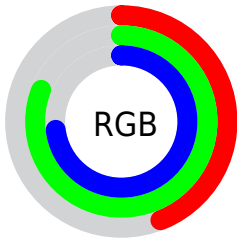
<b>Format</b>	<b>Color</b>
<b>RYB</b>	112, 165, 207
Decimal	7393210
CIELab	77.05, -33.20, 1.71
CIElCh	77, 33.241, 177.050
Yxy	51.6156, 0.2631, 0.3587
Android (android.graphics.Color)	4285583290 (0xFF70CFBA)
YUV	176.2010, 4.8309, -56.3043
Hunter-Lab	71.8440, -31.6672, 5.3786

# Details

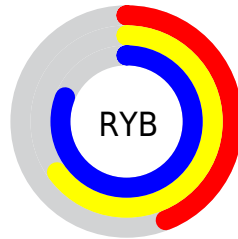
The Hex color **70CFBA** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **CF7085**, and the grayscale version is **B0B0B0**.

A 20% lighter version of the original color is **A9FFF2**, and **369885** is the 20% darker color. If you saturate the color by 10%, you get **5BCFB5**, and if you desaturate by 10%, it is **85CFBF**.

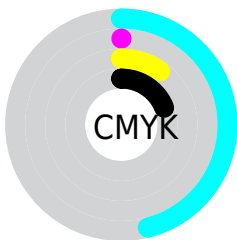
# Distribution



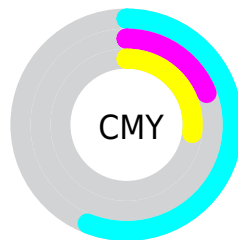
- Red (44%)
- Green (81%)
- Blue (73%)



- Red (44%)
- Yellow (65%)
- Blue (81%)



- Cyan (46%)
- Magenta (0%)
- Yellow (10%)
- Black (19%)



- Cyan (56%)
- Magenta (19%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 70CFBA 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 70CFBA by changing the saturation by 10% instead.



 70CFBA

 70CFBA

FFFFFF

 54B39F

 A9FFF2

 369885

 C5FFFF

 0F7E6C

 E3FFFF

 006454

 004C3D

 003427

 002112

 000000

 70CFBA

 70CFBA

 5BCFB5

 85CFBF

 47CFB1

 99CFC3

 32CFAC

 AECFC8

 1DCFA8

 C3CFCC

 08CFA3

 D8CFD1

 00CFA1

 ECCFD5

 FFCFDA

 FFCDFD

 FFCFE3

# Harmonies

## Analogous

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



93CC9C



70CFBA



5ACFD9

# Triad

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



70CFBA



BEB7F5



EFB18C

# Complementary

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



70CFBA



CF7085

# 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.



FBA9A4



70CFBA



E3ADE0

# Square

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



70CFBA



91C2FB



F8A7C3



D7BB81

# Rectangle

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



70CFBA



5FCCEA



F8A7C3



F5AE93

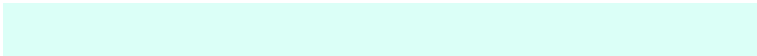


# Sweetspot

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



70CFBA



DBFFF7



86CF70



6A807B



000000



808080



# Same Dimension

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



70CFBA



73FFE0



70B6CF



5E6966



00A883



002920



# Inverse Universe

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



CF7085



FF7392



CF8970



695E60



A80025



290009



# Previews

## White Background



This preview shows how the Hex color 70CFBA looks on a white background.

## Color Contrast Check

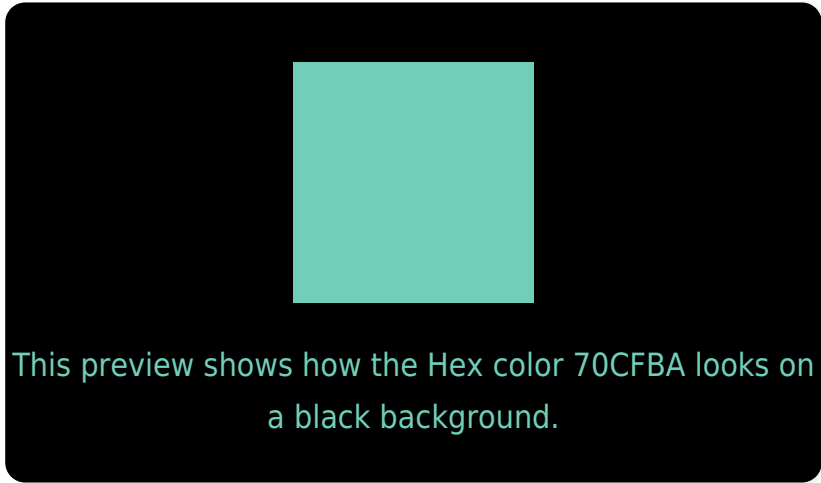
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

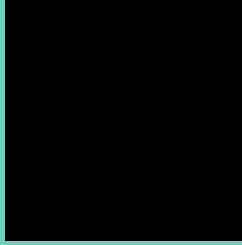
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 70CFBA Background



This preview shows how black text looks on a background with the Hex color 70CFBA.

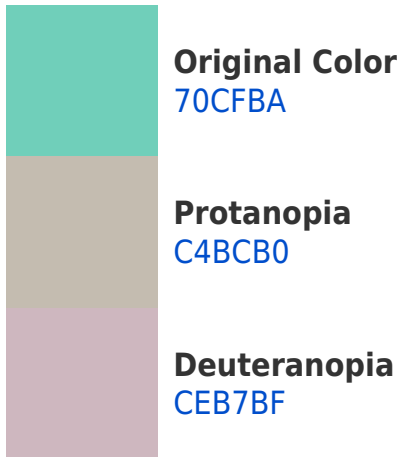


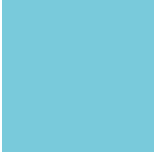
This preview shows how white text looks on a background with the Hex color 70CFBA.

# 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**  
79CADB

# Trichromacy



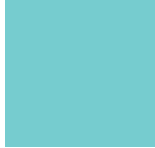
**Original Color**  
70CFBA



**Protanomaly**  
A5C3B4



**Deuteranomaly**  
ACC0BD

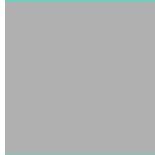


**Tritanomaly**  
76CCCF

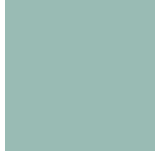
# Monochromacy



**Original Color**  
70CFBA



**Achromatopsia**  
B0B0B0



**Achromatomaly**  
99BBB4

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 70CFBA 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 #70CFBA looks like.

```
.text, #text, p{  
    color:#70CFBA  
}
```

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 #70CFBA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #70CFBA
}
```

## Border

The CSS property to change the border of an element to Hex 70CFBA 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
#70CFBA }
```

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

```
.border{ border-color:#70CFBA }
```

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

Here you see how a box with a 4 pixel #70CFBA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #70CFBA; -webkit-box-shadow:4px 4px  
4px 4px #70CFBA; box-shadow:4px 4px 4px  
4px #70CFBA }
```

# Background

The CSS property to change the background color of an element to Hex 70CFBA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#70CFBA }
```

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

```
.background{ background-color:#70CFBA }
```

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