

# Converting Colors

Hex(70B1E4)

Have a look what the booklet for  
Hex(70B1E4) contains.

<b>Hex(70B1E4)</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(70B1E4)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70B1E4
RGB	112, 177, 228
RGB Percent	44%, 69%, 89%
CMY	0.5608, 0.3059, 0.1059
CMYK	0.51, 0.22, 0.00, 0.11
HSL	206°, 68%, 67%
HSV	206°, 51%, 89%
XYZ	36.4078, 40.4905, 79.2953
YIQ	163.3790, -55.1110, 2.0810

# Conversions

## Conversions Part 2

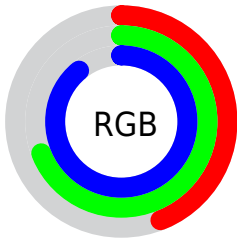
Format	Color
RYP	112, 154, 228
Decimal	7385572
CIELab	69.82, -6.78, -31.98
CIElCh	70, 32.689, 258.032
Yxy	40.4905, 0.2331, 0.2592
Android (android.graphics.Color)	4285575652 (0xFF70B1E4)
YUV	163.3790, 31.8582, -45.0594
Hunter-Lab	63.6321, -9.2254, -29.3419

# Details

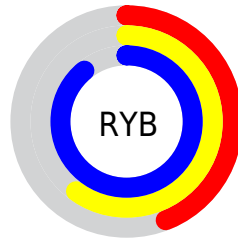
The Hex color **70B1E4** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **E4A370**, and the grayscale version is **A3A3A3**.

A 20% lighter version of the original color is **AAE9FF**, and **337DAC** is the 20% darker color. If you saturate the color by 10%, you get **59A7E4**, and if you desaturate by 10%, it is **87BBE4**.

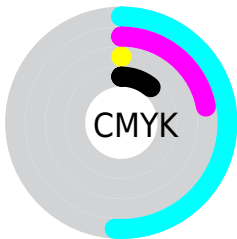
# Distribution



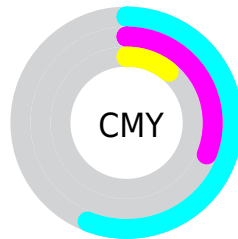
- Red (44%)
- Green (69%)
- Blue (89%)



- Red (44%)
- Yellow (60%)
- Blue (89%)



- Cyan (51%)
- Magenta (22%)
- Yellow (0%)
- Black (11%)



- Cyan (56%)
- Magenta (31%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 70B1E4 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 70B1E4 by changing the saturation by 10% instead.



70B1E4

70B1E4

FFFFFF

5396C8

AAE9FF

337DAC

C7FFFF

026492

E4FFFF

004C78

00355F

002047

000430

00011B

000000

■ 70B1E4

■ 70B1E4

■ 59A7E4

■ 87BBE4

■ 429DE4

■ 9EC5E4

■ 2C93E4

■ B4CFE4

■ 1589E4

■ CBD9E4

■ 0080E4

■ E2E3E4

■ F9EDE4

■ FFF7E4

■ FFFFE4

# Harmonies

## Analogous

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



4BB8D6



70B1E4



9EA7E3

# Triad

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



70B1E4



E6959A



8BB682

# Complementary

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



70B1E4



E4A370

# 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.



ADAE72



70B1E4



DE9B80

# Square

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



70B1E4



DD95B8



CAA571



68BA9D

# Rectangle

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



70B1E4



B9A0D9



CAA571



97B47B

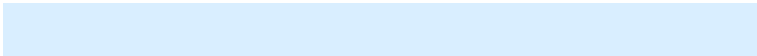


# Sweetspot

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



70B1E4



D9EEFF



70E4A2



697580



000000



808080

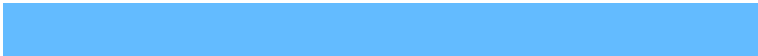


# Same Dimension

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



70B1E4



63BBFF



7078E4



676E73



0064B3



001D33



# Inverse Universe

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



E470B1



FF63BB



E4DC70



73676E



B30064



33001D



# Previews

## White Background



This preview shows how the Hex color 70B1E4 looks on a white background.

## Color Contrast Check

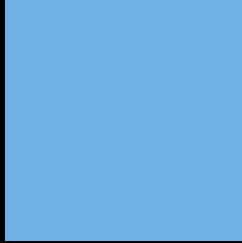
Large Text (above 18pt) WCAG AA × Fail

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 70B1E4 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

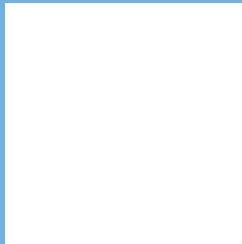
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 70B1E4 Background



This preview shows how black text looks on a background with the Hex color 70B1E4.

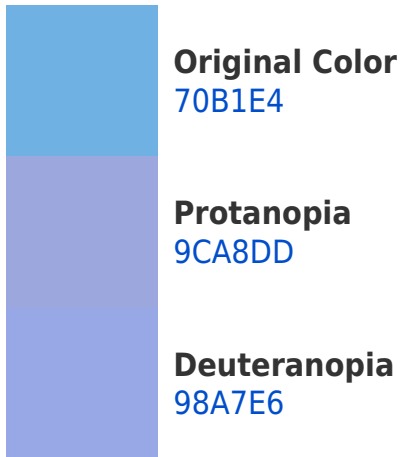


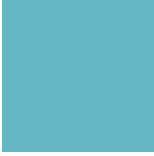
This preview shows how white text looks on a background with the Hex color 70B1E4.

# 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](#).

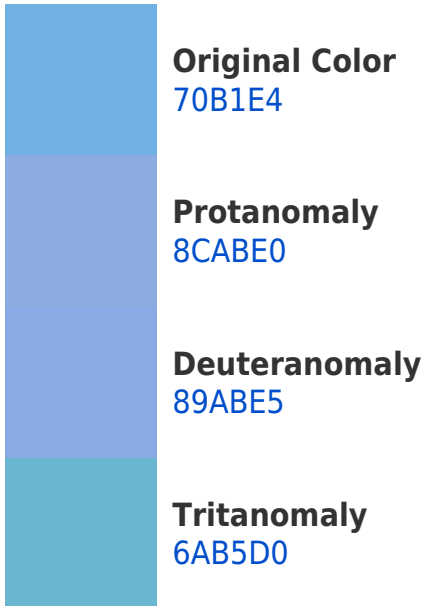
## Dichromacy



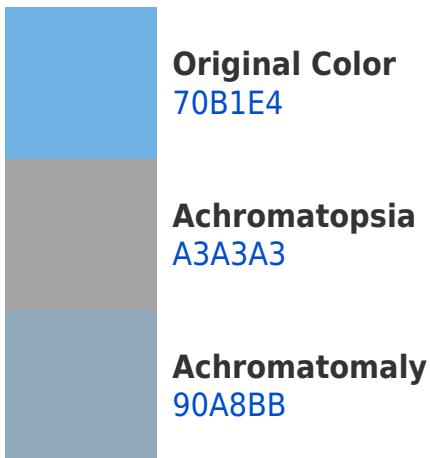


**Tritanopia**  
66B7C5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 70B1E4 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 #70B1E4 looks like.

```
.text, #text, p{  
    color:#70B1E4  
}
```

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 #70B1E4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #70B1E4
}
```

## Border

The CSS property to change the border of an element to Hex 70B1E4 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
#70B1E4 }
```

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

```
.border{ border-color:#70B1E4 }
```

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

Here you see how a box with a 4 pixel #70B1E4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #70B1E4; -webkit-box-shadow:4px 4px  
4px 4px #70B1E4; box-shadow:4px 4px 4px  
4px #70B1E4 }
```

# Background

The CSS property to change the background color of an element to Hex 70B1E4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#70B1E4 }
```

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

```
.background{ background-color:#70B1E4 }
```

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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