

Converting Colors

Hex(46B3F6)

Have a look what the booklet for
Hex(46B3F6) contains.

Hex(46B3F6)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(46B3F6)

Conversions

Conversions Part 1

Format	Color
Hex	46B3F6
RGB	70, 179, 246
RGB Percent	27%, 70%, 96%
CMY	0.7255, 0.2980, 0.0353
CMYK	0.72, 0.27, 0.00, 0.04
HSL	203°, 91%, 62%
HSV	203°, 72%, 96%
XYZ	35.2804, 40.1961, 93.0879
YIQ	154.0470, -86.4710, -2.2710

Conversions

Conversions Part 2

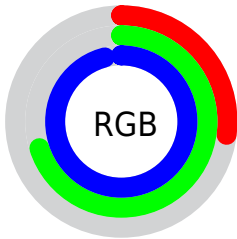
Format	Color
R_{YB}	70, 137, 246
Decimal	4633590
CIE _{Lab}	69.61, -9.67, -42.22
CIE _{LCh}	70, 43.311, 257.102
Yxy	40.1961, 0.2093, 0.2385
Android (android.graphics.Color)	4282823670 (0xFF46B3F6)
YUV	154.0470, 45.3328, -73.7092
Hunter-Lab	63.4004, -11.6208, -42.6725

Details

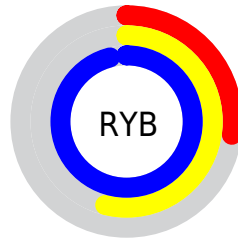
The Hex color **46B3F6** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **F68946**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **8AEBFF**, and **007FBD** is the 20% darker color. If you saturate the color by 10%, you get **2DAAF6**, and if you desaturate by 10%, it is **5FBCF6**.

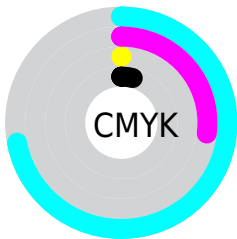
Distribution



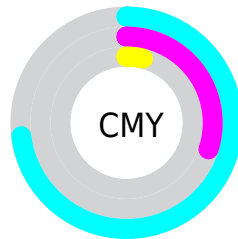
- Red (27%)
- Green (70%)
- Blue (96%)



- Red (27%)
- Yellow (54%)
- Blue (96%)



- Cyan (72%)
- Magenta (27%)
- Yellow (0%)
- Black (4%)



- Cyan (73%)
- Magenta (30%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Hex color 46B3F6 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 46B3F6 by changing the saturation by 10% instead.

 46B3F6

 46B3F6

FFFFFF

 0F98D9

 8AEBFF

 007FBD

 A9FFFF

 0066A2

 C8FFFF

 004E88

 E7FFFF

 00376E

 002255

 00063E

 000327

 000110

■ 46B3F6

■ 46B3F6

■ 2DAAF6

■ 5FBCF6

■ 15A0F6

■ 77C6F6

■ 0098F6

■ 90CFF6

■ A8D8F6

■ C1E2F6

■ DAEBF6

■ F2F5F6

■ FFFEF6

■ FFFFF6

Harmonies

Analogous

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



00BBE2



46B3F6



94A6F5

Triad

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



46B3F6



F68B95



80B873

Complementary

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



46B3F6



F68946

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.



ACAF5D



46B3F6



EC9472

Square

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



46B3F6



EB8CBD



D1A25D



48BD97

Rectangle

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



46B3F6



BA9CE9



D1A25D



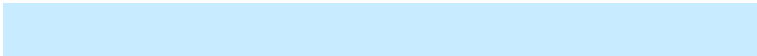
90B66A

Sweetspot

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



46B3F6



C9EBFF



46F687



607380



000000



808080

Same Dimension

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



46B3F6



24ACFF



465DF6



6E767A



0073BA



00243B

Inverse Universe

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



F646B3



FF24AC



F6DF46



7A6E76



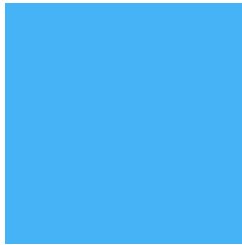
BA0073



3B0024

Previews

White Background



This preview shows how the Hex color 46B3F6 looks on a white background.

Color Contrast Check

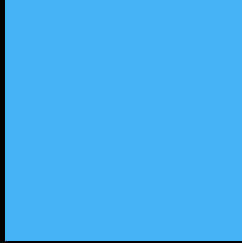
Large Text (above 18pt) WCAG AA × Fail

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 46B3F6 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

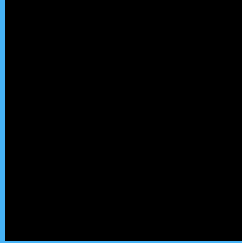
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

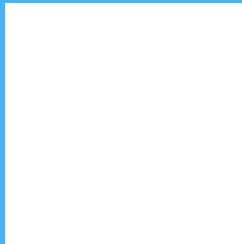
Any Text WCAG AAA ✓ Pass

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

Hex 46B3F6 Background



This preview shows how black text looks on a background with the Hex color 46B3F6.



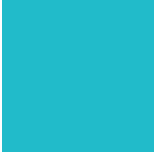
This preview shows how white text looks on a background with the Hex color 46B3F6.

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](#).

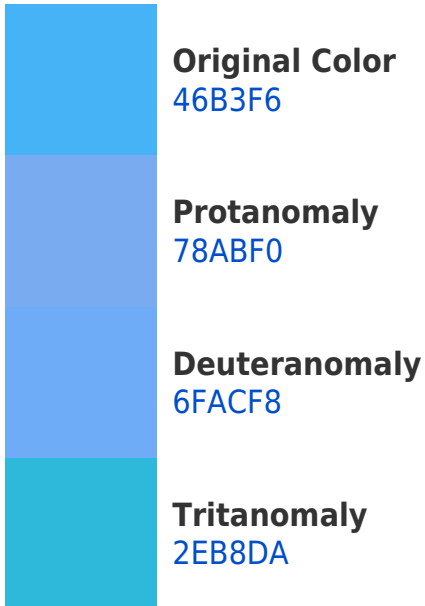
Dichromacy



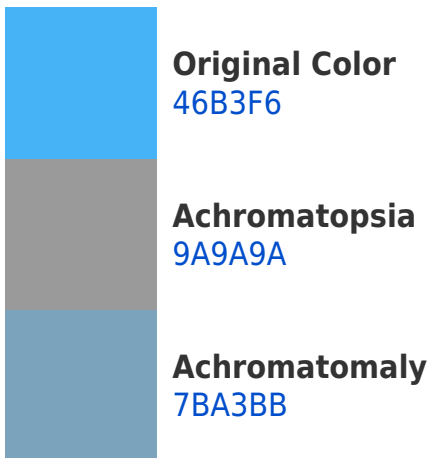


Tritanopia
21BBCA

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 46B3F6 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 #46B3F6 looks like.

```
.text, #text, p{  
    color:#46B3F6  
}
```

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 #46B3F6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46B3F6  
}
```

Border

The CSS property to change the border of an element to Hex 46B3F6 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  
#46B3F6 }
```

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

```
.border{ border-color:#46B3F6 }
```

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

Here you see how a box with a 4 pixel #46B3F6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46B3F6; -webkit-box-shadow:4px 4px  
4px 4px #46B3F6; box-shadow:4px 4px 4px  
4px #46B3F6 }
```

Background

The CSS property to change the background color of an element to Hex 46B3F6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46B3F6 }
```

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

```
.background{ background-color:#46B3F6 }
```

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