

# Converting Colors

Hex(42B7FF)

Have a look what the booklet for  
Hex(42B7FF) contains.

|  |    |
|--|----|
| <b>Hex(42B7FF)</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(42B7FF)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 42B7FF                      |
| RGB         | 66, 183, 255                |
| RGB Percent | 26%, 72%, 100%              |
| CMY         | 0.7412, 0.2824, 0.0000      |
| CMYK        | 0.74, 0.28, 0.00, 0.00      |
| HSL         | 203°, 100%, 63%             |
| HSV         | 203°, 74%, 100%             |
| XYZ         | 37.2303, 42.2452, 100.7996  |
| YIQ         | 156.2250, -92.8440, -2.4120 |

# Conversions

## Conversions Part 2

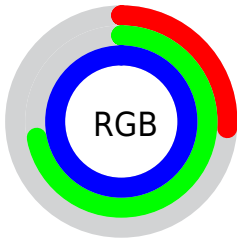
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| R <sub>YB</sub>                     | 66, 138, 255                   |
| Decimal                             | 4372479                        |
| CIE <sub>Lab</sub>                  | 71.04, -9.33, -44.85           |
| CIE <sub>LCh</sub>                  | 71, 45.815, 258.246            |
| Yxy                                 | 42.2452, 0.2065,<br>0.2343     |
| Android<br>(android.graphics.Color) | 4282562559<br>(0xFF42B7FF)     |
| YUV                                 | 156.2250, 48.6961,<br>-79.1273 |
| Hunter-Lab                          | 64.9963, -11.4978,<br>-46.4526 |

# Details

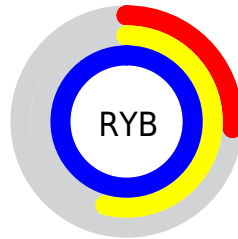
The Hex color **42B7FF** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **FF8A42**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **89EFFF**, and **0082C6** is the 20% darker color. If you saturate the color by 10%, you get **28ADFF**, and if you desaturate by 10%, it is **5BC1FF**.

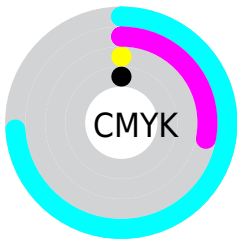
# Distribution



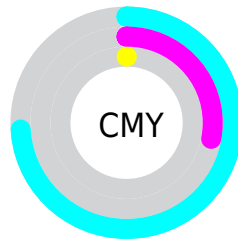
- Red (26%)
- Green (72%)
- Blue (100%)



- Red (26%)
- Yellow (54%)
- Blue (100%)



- Cyan (74%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (74%)
- Magenta (28%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42B7FF 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 42B7FF by changing the saturation by 10% instead.



 42B7FF

 42B7FF

FFFFFF

 009CE2

 89EFFF

 0082C6

 A9FFFF

 0069AA

 C8FFFF

 005190


 E7FFFF

 003B76

 00265C

 000E44

 00032D

 000118

 42B7FF


 42B7FF

 28ADFF

 5BC1FF

 0FA4FF

 75CAFF

 009EFF

 8FD4FF

 A8DEFF

 C2E8FF

 DBF1FF

 F4FBFF

FFFFFF

# Harmonies

## Analogous

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



00C0EB



42B7FF



98A9FD

# Triad

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



42B7FF



FE8D96



7FBD75

# Complementary

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



42B7FF



FF8A42

# 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.



AFB35C



42B7FF



F29771

# Square

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



42B7FF



F48EC0



D6A65B



3FC39B

# Rectangle

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



42B7FF



C19FF0



D6A65B



90BA6A

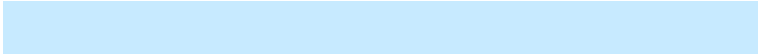


# Sweetspot

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



42B7FF



C7EAFF



42FF87



5E7380



000000



808080

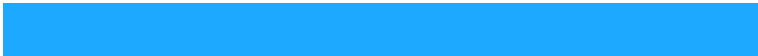


# Same Dimension

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



42B7FF



1CA9FF



425BFF



737B80



0076BF



002740



# Inverse Universe

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



FF42B7



FF1CA9



FFE642



80737B



BF0076



400027



# Previews

## White Background



This preview shows how the Hex color 42B7FF looks on a white background.

## Color Contrast Check

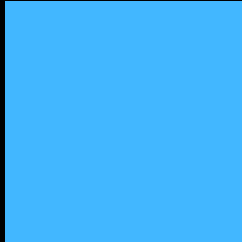
Large Text (above 18pt) WCAG AA × Fail

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 42B7FF 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

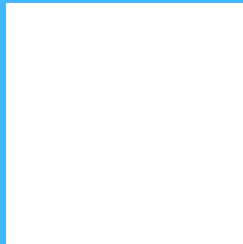
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 42B7FF Background



This preview shows how black text looks on a background with the Hex color 42B7FF.

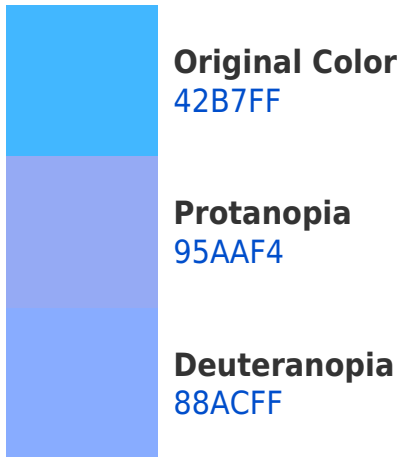


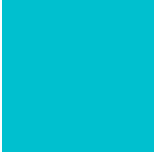
This preview shows how white text looks on a background with the Hex color 42B7FF.

# Color Blindness Simulation

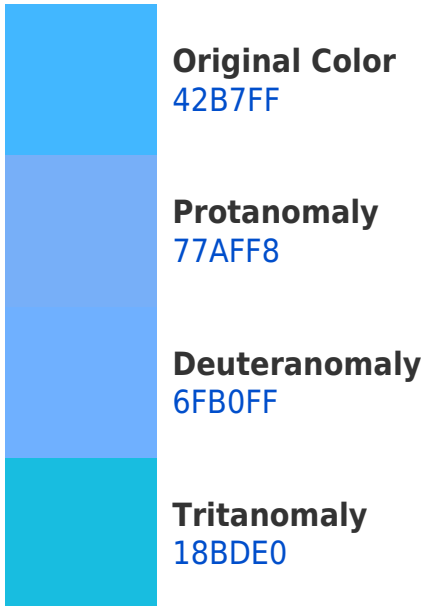
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

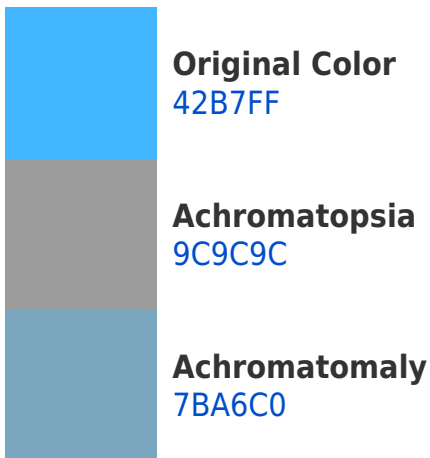




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42B7FF 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 #42B7FF looks like.

```
.text, #text, p{  
  color:#42B7FF  
}
```

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 #42B7FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42B7FF
}
```

## Border

The CSS property to change the border of an element to Hex 42B7FF 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
#42B7FF }
```

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

```
.border{ border-color:#42B7FF }
```

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

Here you see how a box with a 4 pixel #42B7FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42B7FF; -webkit-box-shadow:4px 4px  
4px 4px #42B7FF; box-shadow:4px 4px 4px  
4px #42B7FF }
```

# Background

The CSS property to change the background color of an element to Hex 42B7FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42B7FF }
```

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

```
.background{ background-color:#42B7FF }
```

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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