

# Converting Colors

Hex(75BDFF)

Have a look what the booklet for  
Hex(75BDFF) contains.

<b>Hex(75BDFF)</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(75BDFF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	75BDFF
RGB	117, 189, 255
RGB Percent	46%, 74%, 100%
CMY	0.5412, 0.2588, 0.0000
CMYK	0.54, 0.26, 0.00, 0.00
HSL	209°, 100%, 73%
HSV	209°, 54%, 100%
XYZ	43.5837, 47.3971, 101.4592
YIQ	174.9960, -64.0980, 5.2620

# Conversions

## Conversions Part 2

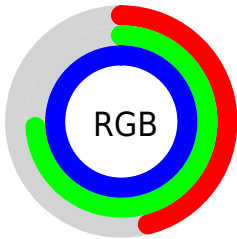
Format	Color
R <sub>Y</sub> B	117, 164, 255
Decimal	7716351
CIE Lab	74.44, -4.27, -39.41
CIE LCh	74, 39.642, 263.809
Yxy	47.3971, 0.2265, 0.2463
Android (android.graphics.Color)	4285906431 (0xFF75BDFF)
YUV	174.9960, 39.4420, -50.8625
Hunter-Lab	68.8456, -7.4776, -39.1851

# Details

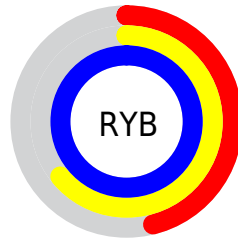
The Hex color **75BDFF** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **FFB775**, and the grayscale version is **AFAFAF**.

A 20% lighter version of the original color is **B0F5FF**, and **3488C6** is the 20% darker color. If you saturate the color by 10%, you get **5BB1FF**, and if you desaturate by 10%, it is **8FC9FF**.

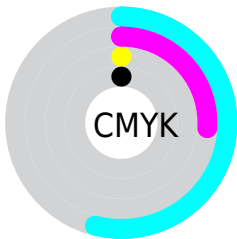
# Distribution



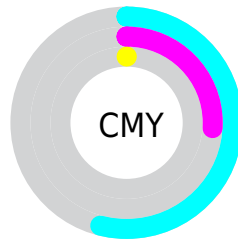
- Red (46%)
- Green (74%)
- Blue (100%)



- Red (46%)
- Yellow (64%)
- Blue (100%)



- Cyan (54%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (26%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 75BDFF 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 75BDFF by changing the saturation by 10% instead.



 75BDFF

 75BDFF

FFFFFF

 56A2E2

 B0F5FF

 3488C6

 CEFFFF

 006FAA

 ECFFFF

 005790

 004076

 002A5D

 001645

 00042E

 000118

 75BDFF

 75BDFF

 5BB1FF

 8FC9FF

 42A5FF

 A8D5FF

 2898FF

 C2E2FF

 0F8CFF

 DBEEFF

 0085FF

 F4FAFF

FFFFFF

# Harmonies

## Analogous

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



33C6F1



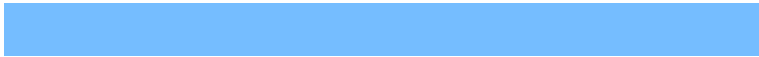
75BDFE



B0B0FA

# Triad

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



75BDFE



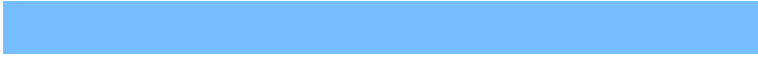
FE9C9C



87C68B

# Complementary

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



75BDFE



FFB775

# 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.



B2BE73



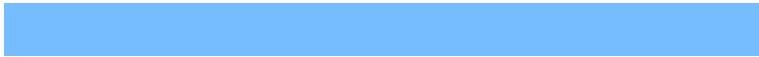
75BDFF



F1A67E

# Square

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



75BDFE



F89BC0



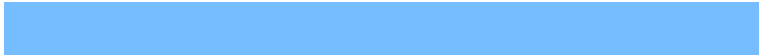
D6B26E



57CAAE

# Rectangle

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



75BDFE



D1A8EC



D6B26E

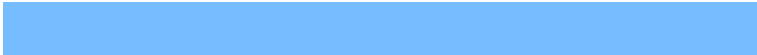


96C481

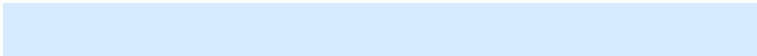


# Sweetspot

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



75BDFE



D6EBFF



75FFB5



677480



000000

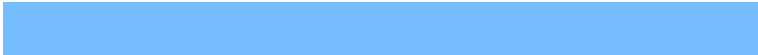


808080

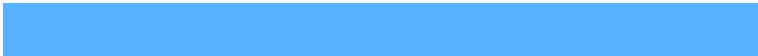


# Same Dimension

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



75BDFF



59B0FF



757AFF



737980



0064BF



002140



# Inverse Universe

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



FF75BD



FF59B0



FFFA75



807379



BF0064

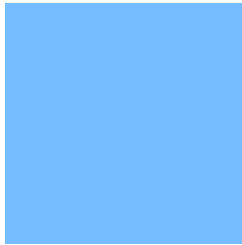


400021



# Previews

## White Background



This preview shows how the Hex color 75BDFF looks on a white background.

## Color Contrast Check

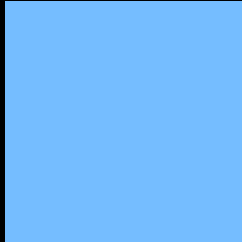
Large Text (above 18pt) WCAG AA × Fail

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 75BDFE 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

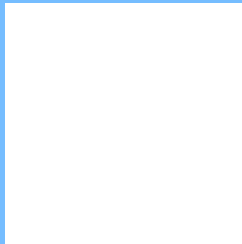
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 75BDFF Background



This preview shows how black text looks on a background with the Hex color 75BDFF.

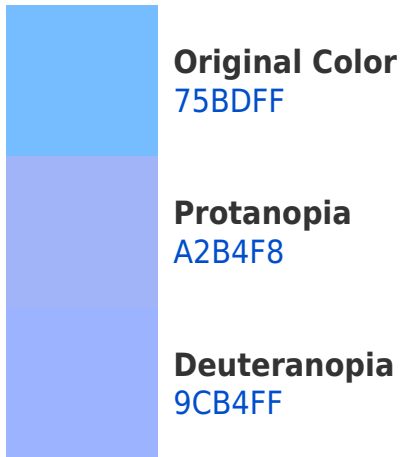


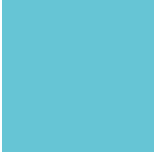
This preview shows how white text looks on a background with the Hex color 75BDFF.

# 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](#).

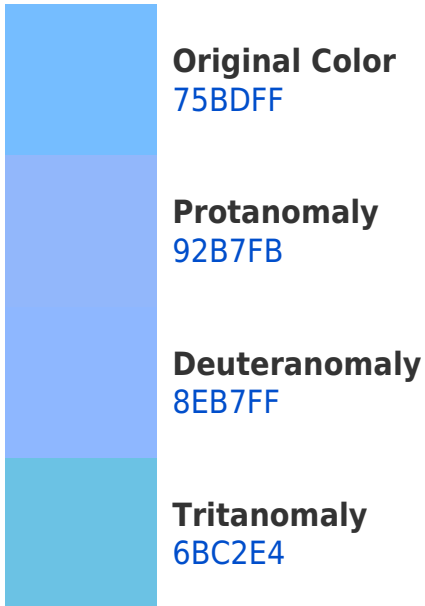
## Dichromacy



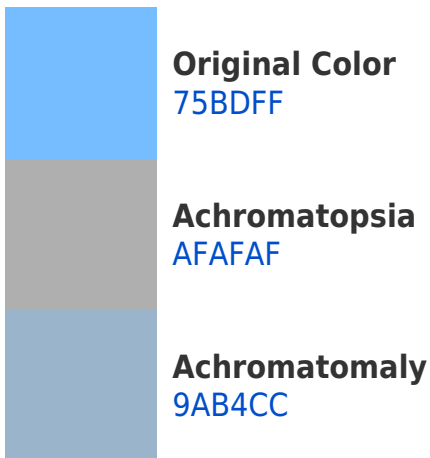


**Tritanopia**  
66C5D5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 75BDFF 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 #75BDFF looks like.

```
.text, #text, p{  
    color:#75BDFF  
}
```

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 #75BDFF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #75BDFF
}
```

## Border

The CSS property to change the border of an element to Hex 75BDFF 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
#75BDFF }
```

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

```
.border{ border-color:#75BDFF }
```

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

Here you see how a box with a 4 pixel #75BDFF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #75BDFF; -webkit-box-shadow:4px 4px  
4px 4px #75BDFF; box-shadow:4px 4px 4px  
4px #75BDFF }
```

# Background

The CSS property to change the background color of an element to Hex 75BDFF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#75BDFF }
```

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

```
.background{ background-color:#75BDFF }
```

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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