

# Converting Colors

Hex(30BDFF)

Have a look what the booklet for  
Hex(30BDFF) contains.

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# **Color**

**Hex(30BDFF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	30BDFF
RGB	48, 189, 255
RGB Percent	19%, 74%, 100%
CMY	0.8118, 0.2588, 0.0000
CMYK	0.81, 0.26, 0.00, 0.00
HSL	199°, 100%, 59%
HSV	199°, 81%, 100%
XYZ	37.4665, 44.2436, 101.1729
YIQ	154.3650, -105.2220, -9.3660

# Conversions

## Conversions Part 2

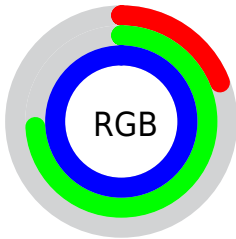
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	48, 132, 255
Decimal	3194367
CIE Lab	72.39, -14.39, -42.76
CIE LCh	72, 45.120, 251.408
Yxy	44.2436, 0.2049, 0.2419
Android (android.graphics.Color)	4281384447 (0xFF30BDFF)
YUV	154.3650, 49.6131, -93.2821
Hunter-Lab	66.5158, -15.8586, -43.6211

# Details

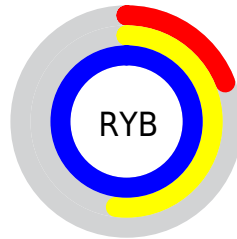
The Hex color **30BDFF** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **FF7230**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **7FF5FF**, and **0088C6** is the 20% darker color. If you saturate the color by 10%, you get **17B5FF**, and if you desaturate by 10%, it is **4AC5FF**.

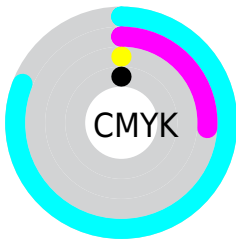
# Distribution



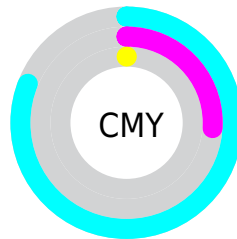
- Red (19%)
- Green (74%)
- Blue (100%)



- Red (19%)
- Yellow (52%)
- Blue (100%)



- Cyan (81%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (81%)
- Magenta (26%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 30BDFF 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 30BDFF by changing the saturation by 10% instead.



 30BDFF

 30BDFF

FFFFFF

 00A2E2


 7FF5FF

 0088C6

 A0FFFF

 006FAA

 C0FFFF

 005690

 DFFFFF

 003F76

 00295D

 001545

 00032E

 000118

 30BDFF

 30BDFF

 17B5FF

 4AC5FF

 00AEFF

 63CDFF

 7DD5FF

 96DEFF

 B0E6FF

 C9EEFF

 E3F6FF

 FCFEFF

FFFFFF

# Harmonies

## Analogous

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



00C5E7



30BDFF



8DB0FF

# Triad

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



30BDFE



FF90A3



8FBF72

# Complementary

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



30BDFE



FF7230

# 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.



BCB45F



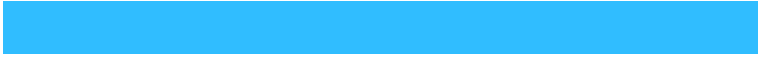
30BDFF



FA987D

# Square

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



30BDFE



F194CD



E1A663



57C596

# Rectangle

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



30BDFE



B8A6F8



E1A663



9FBC69

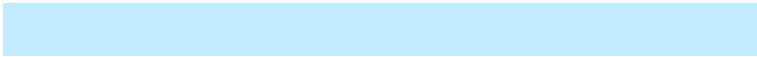


# Sweetspot

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



30BDFF



C2EBFF



30FF72



5B7480



000000



808080

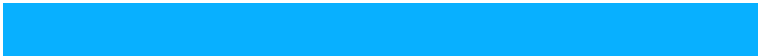


# Same Dimension

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



30BDFF



08B0FF



3056FF



737B80



0082BF



002B40



# Inverse Universe

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



FF30BD



FF08B0



FFD930



80737B



BF0082

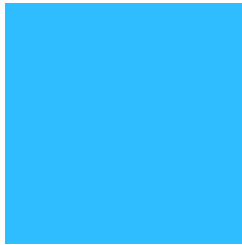


40002B



# Previews

## White Background



This preview shows how the Hex color 30BDFF looks on a white background.

## Color Contrast Check

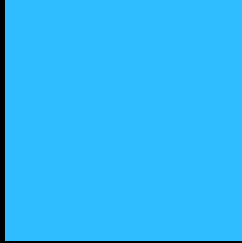
Large Text (above 18pt) WCAG AA × Fail

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 30BDFE 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

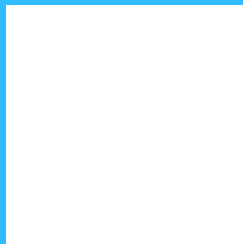
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 30BDFF Background



This preview shows how black text looks on a background with the Hex color 30BDFF.

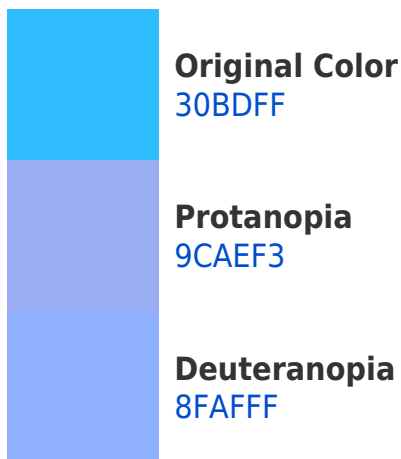


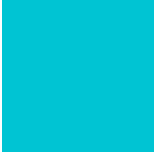
This preview shows how white text looks on a background with the Hex color 30BDFF.

# 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](#).

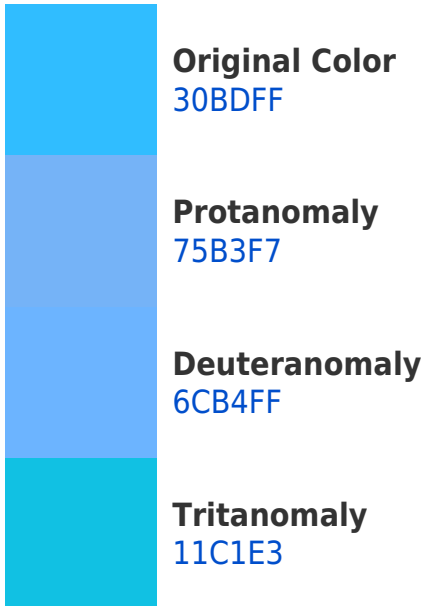
## Dichromacy



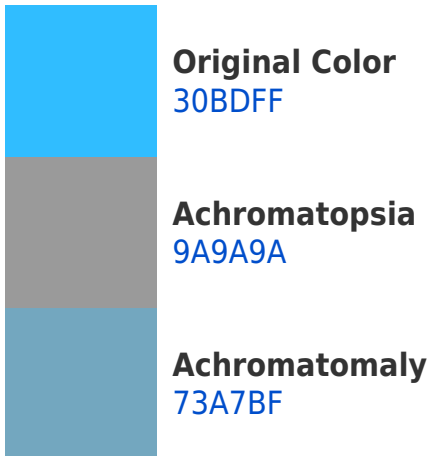


**Tritanopia**  
00C4D3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 30BDFF 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 #30BDFF looks like.

```
.text, #text, p{  
  color:#30BDFF  
}
```

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 #30BDFF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #30BDFF
}
```

## Border

The CSS property to change the border of an element to Hex 30BDFF 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
#30BDFF }
```

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

```
.border{ border-color:#30BDFF }
```

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

Here you see how a box with a 4 pixel #30BDFF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #30BDFF; -webkit-box-shadow:4px 4px  
4px 4px #30BDFF; box-shadow:4px 4px 4px  
4px #30BDFF }
```

# Background

The CSS property to change the background color of an element to Hex 30BDFF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#30BDFF }
```

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

```
.background{ background-color:#30BDFF }
```

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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