

# Converting Colors

Hex(13AAFF)

Have a look what the booklet for  
Hex(13AAFF) contains.

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# **Color**

**Hex(13AAFF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	13AAFF
RGB	19, 170, 255
RGB Percent	7%, 67%, 100%
CMY	0.9255, 0.3333, 0.0000
CMYK	0.93, 0.33, 0.00, 0.00
HSL	202°, 100%, 54%
HSV	202°, 93%, 100%
XYZ	32.6933, 36.1079, 99.8541
YIQ	134.5410, -117.2810, -5.5770

# Conversions

## Conversions Part 2

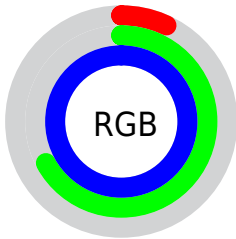
Format	Color
R <sub>Y</sub> B	19, 111, 255
Decimal	1288959
CIE Lab	66.60, -5.71, -51.89
CIE LCh	67, 52.208, 263.716
Yxy	36.1079, 0.1938, 0.2141
Android (android.graphics.Color)	4279479039 (0xFF13AAFF)
YUV	134.5410, 59.3863, -101.3295
Hunter-Lab	60.0898, -8.0401, -56.4621

# Details

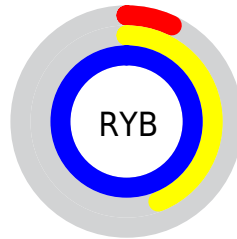
The Hex color **13AAFF** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **FF6813**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **74E1FF**, and **0076C6** is the 20% darker color. If you saturate the color by 10%, you get **00A3FF**, and if you desaturate by 10%, it is **2DB3FF**.

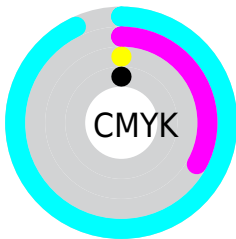
# Distribution



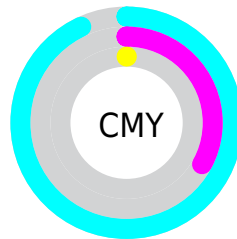
- Red (7%)
- Green (67%)
- Blue (100%)



- Red (7%)
- Yellow (44%)
- Blue (100%)



- Cyan (93%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (93%)
- Magenta (33%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 13AAFF 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 13AAFF by changing the saturation by 10% instead.



■ 13AAFF

■ 13AAFF

FFFFFF

■ 0090E2

■ 74E1FF

■ 0076C6

■ 95FEFF

■ 005EAA

■ B6FFFF

■ 00478F

■ D6FFFF

■ 003175

■ F5FFFF

■ 001D5C

■ 000744

■ 00032D

■ 000117

■ 13AFFF

■ 13AFFF

■ 00A3FF

■ 2DB3FF

■ 46BCFF

■ 60C6FF

■ 79CFFF

■ 93D8FF

■ ACE1FF

■ C6EAFF

■ DFF3FF

■ F9FDFF

# Harmonies

## Analogous

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



00B5ED



13A AFF



959AF8

# Triad

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



13AAFF



F97C7F



5FB468

# Complementary

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



13A AFF



FF6 813

# 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.



98AB48



13AAFF



E88B57

# Square

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



13A AFF



F37 AAE



C59 C41



00B 996

# Rectangle

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



13A AFF



C18 DE6



C59 C41



74B 25B

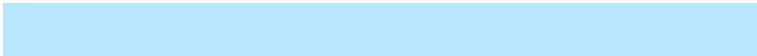


# Sweetspot

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



13A AFF



B8E5FF



13FF66



547080



000000



808080

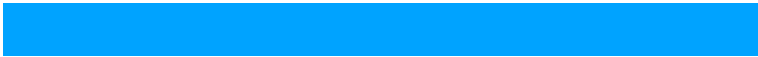


# Same Dimension

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



13AFFF



00A3FF



1336FF



737B80



007ABF



002940



# Inverse Universe

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



FF13AA



FF00A3



FFDC13



80737B



BF007A

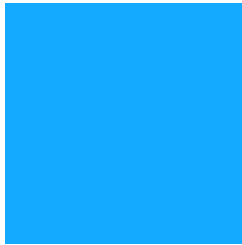


400029



# Previews

## White Background



This preview shows how the Hex color 13AAFF 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 13AAFF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

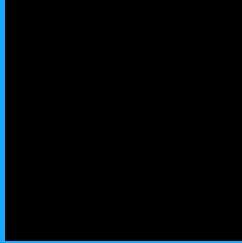
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

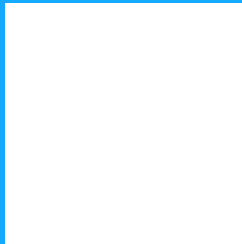
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 13A AFF Background



This preview shows how black text looks on a background with the Hex color 13A AFF.

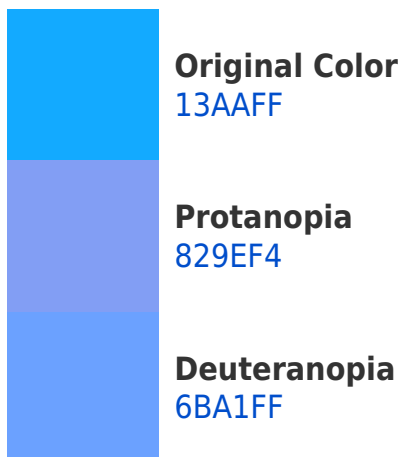


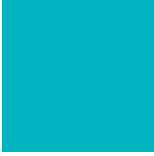
This preview shows how white text looks on a background with the Hex color 13A AFF.

# 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](#).

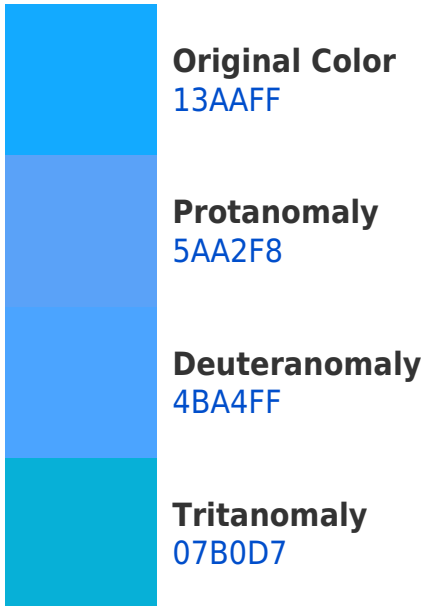
## Dichromacy





**Tritanopia**  
00B3C0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 13A AFF 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 #13A AFF looks like.

```
.text, #text, p{  
    color:#13A AFF  
}
```

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 #13A AFF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #13A AFF
}
```

## Border

The CSS property to change the border of an element to Hex 13A AFF 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
#13A AFF }
```

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

```
.border{ border-color:#13AAFF }
```

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

Here you see how a box with a 4 pixel #13AAFF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #13AAFF; -webkit-box-shadow:4px 4px  
4px 4px #13AAFF; box-shadow:4px 4px 4px  
4px #13AAFF }
```

# Background

The CSS property to change the background color of an element to Hex 13AAFF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#13AAFF }
```

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

```
.background{ background-color:#13AAFF }
```

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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