

# Converting Colors

Hex(3AEAFF)

Have a look what the booklet for  
Hex(3AEAFF) contains.

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# **Color**

**Hex(3AEAFF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3AEAFF
RGB	58, 234, 255
RGB Percent	23%, 92%, 100%
CMY	0.7725, 0.0824, 0.0000
CMYK	0.77, 0.08, 0.00, 0.00
HSL	186°, 100%, 61%
HSV	186°, 77%, 100%
XYZ	49.2177, 66.9652, 104.9393
YIQ	183.7700, -111.6370, -30.7810

# Conversions

## Conversions Part 2

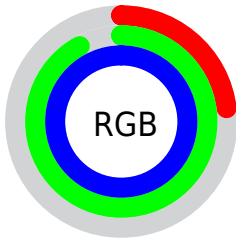
Format	Color
R <sub>YB</sub>	58, 151, 255
Decimal	3861247
CIE Lab	85.49, -35.93, -22.58
CIE LCh	85, 42.436, 212.146
Yxy	66.9652, 0.2226, 0.3028
Android (android.graphics.Color)	4282051327 (0xFF3AEAFF)
YUV	183.7700, 35.1164, -110.3003
Hunter-Lab	81.8323, -35.8482, -18.7492

# Details

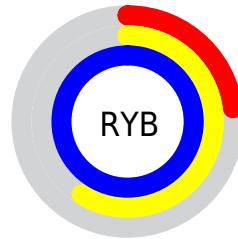
The Hex color **3AEAFF** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **FF4F3A**, and the grayscale version is **B8B8B8**.

A 20% lighter version of the original color is **88FFFF**, and **00B2C6** is the 20% darker color. If you saturate the color by 10%, you get **20E7FF**, and if you desaturate by 10%, it is **53EDFF**.

# Distribution



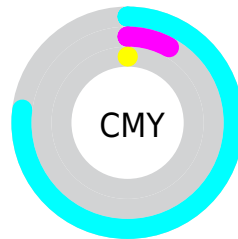
- Red (23%)
- Green (92%)
- Blue (100%)



- Red (23%)
- Yellow (59%)
- Blue (100%)



- Cyan (77%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (77%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3AEAFF 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 3AEAFF by changing the saturation by 10% instead.



 3AEAFF

 3AEAFF

FFFFFF

 00CEE2

 88FFFF

 00B2C6

 A9FFFF

 0097AB

 C9FFFF

 007C90

 E9FFFF

 006377

 004A5E

 003346

 001D30

 00011B

 3AEAFF

 3AEAFF

 20E7FF

 53EDFF

 07E5FF

 6DEFFF

 00E4FF

 86F2FF

 A0F5FF

 B9F8FF

 D3FAFF

 ECFDFF

FFFFFF

# Harmonies

## Analogous

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



60EBD7



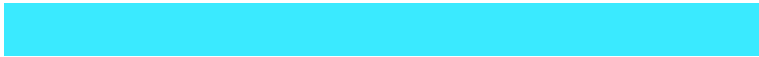
3AEAFF



5FE4FF

# Triad

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



3AEAFF



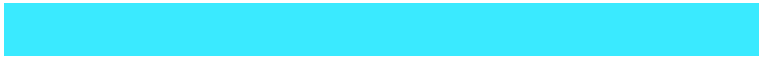
FFBDFC



EED485

# Complementary

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



3AEAFF



FF4F3A

# 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.



FFC690



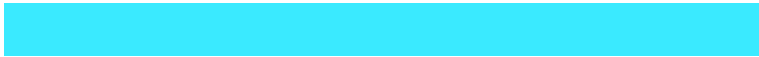
3AEAFF



FFB7D4

# Square

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



3AEAFF



DECAFF



FFBBAD



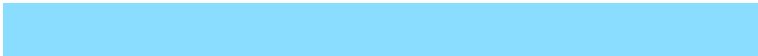
C3E090

# Rectangle

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



3AEAFF



8BDDFF



FFBBAD

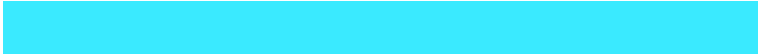


FAD086



# Sweetspot

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



3AEAFF



C4F9FF



3AFF4E



5C7C80



000000



808080

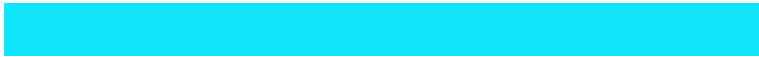


# Same Dimension

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



3AEAFF



12E6FF



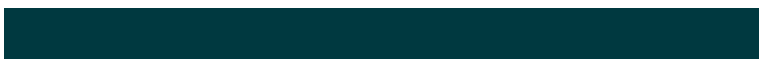
3A89FF



737E80



00ABBF



003940



# Inverse Universe

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



FF3AEA



FF12E6



FFB03A



80737E



BF00AB

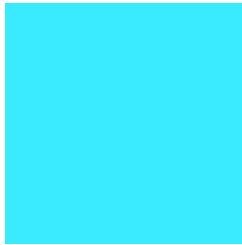


400039



# Previews

## White Background



This preview shows how the Hex color 3AEAFF looks on a white background.

## Color Contrast Check

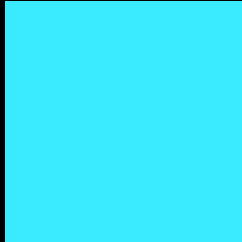
Large Text (above 18pt) WCAG AA × Fail

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 3AEAFF 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 3AEAFF Background



This preview shows how black text looks on a background with the Hex color 3AEAFF.

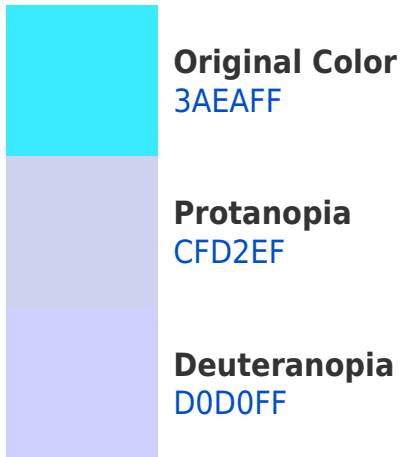


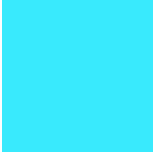
This preview shows how white text looks on a background with the Hex color 3AEAFF.

# 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



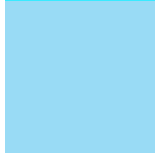


**Tritanopia**  
39EAFD

# Trichromacy



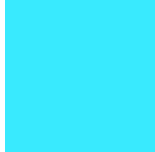
**Original Color**  
3AEAFF



**Protanomaly**  
99DBF5



**Deuteranomaly**  
99D9FF

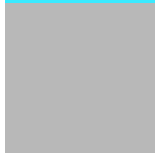


**Tritanomaly**  
39EAFE

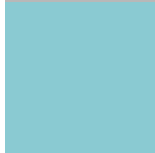
# Monochromacy



**Original Color**  
3AEAFF



**Achromatopsia**  
B8B8B8



**Achromatomaly**  
8ACAD2

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3AEAFF 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 #3AEAFF looks like.

```
.text, #text, p{  
    color:#3AEAFF  
}
```

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 #3AEAFF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3AEAFF
}
```

## Border

The CSS property to change the border of an element to Hex 3AEAFF 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
#3AEAFF }
```

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

```
.border{ border-color:#3AEAFF }
```

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

Here you see how a box with a 4 pixel #3AEAFF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3AEAFF; -webkit-box-shadow:4px 4px  
4px 4px #3AEAFF; box-shadow:4px 4px 4px  
4px #3AEAFF }
```

# Background

The CSS property to change the background color of an element to Hex 3AEAFF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3AEAFF }
```

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

```
.background{ background-color:#3AEAFF }
```

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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