

# Converting Colors

Hex(5AE6FF)

Have a look what the booklet for  
Hex(5AE6FF) contains.

<b>Hex(5AE6FF)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(5AE6FF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AE6FF
RGB	90, 230, 255
RGB Percent	35%, 90%, 100%
CMY	0.6471, 0.0980, 0.0000
CMYK	0.65, 0.10, 0.00, 0.00
HSL	189°, 100%, 68%
HSV	189°, 65%, 100%
XYZ	50.5633, 65.9873, 104.6796
YIQ	190.9900, -91.4650, -21.9050

# Conversions

## Conversions Part 2

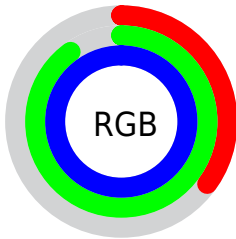
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	90, 166, 255
Decimal	5957375
CIE Lab	84.99, -30.16, -23.27
CIE LCh	85, 38.098, 217.651
Yxy	65.9873, 0.2286, 0.2983
Android (android.graphics.Color)	4284147455 (0xFF5AE6FF)
YUV	190.9900, 31.5569, -88.5682
Hunter-Lab	81.2326, -31.0495, -19.5407

# Details

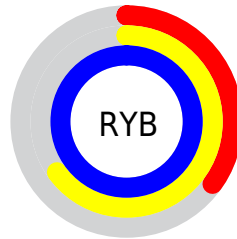
The Hex color **5AE6FF** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **FF735A**, and the grayscale version is **BFBFBF**.

A 20% lighter version of the original color is **9CFFFF**, and **00AEC6** is the 20% darker color. If you saturate the color by 10%, you get **41E2FF**, and if you desaturate by 10%, it is **74EAFF**.

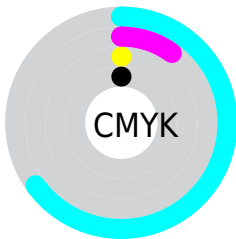
# Distribution



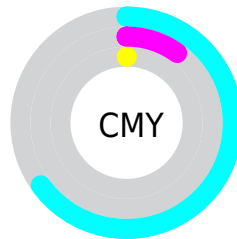
- Red (35%)
- Green (90%)
- Blue (100%)



- Red (35%)
- Yellow (65%)
- Blue (100%)



- Cyan (65%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5AE6FF 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 5AE6FF by changing the saturation by 10% instead.



 5AE6FF

 5AE6FF

FFFFFF

 31CAE2

 9CFFFF

 00AEC6

 BBFFFF

 0093AB

 DAFFFF

 007990

 FAFFFF

 006077

 00485E

 003146

 001C30

 00011B

■ 5AE6FF

■ 5AE6FF

■ 41E2FF

■ 74EAFF

■ 27DEFF

■ 8DEEFF

■ 0EDAFF

■ A7F2FF

■ 00D8FF

■ C0F5FF

■ DAF9FF

■ F3FDFF

FFFFFF

# Harmonies

## Analogous

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



6AE8DD



5AE6FF



7BDFFF

# Triad

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



5AE6FF



FFBDF0



E4D58C

# Complementary

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



5AE6FF



FF735A

# 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.



FFC992



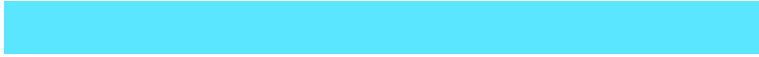
5AE6FF



FFB9CC

# Square

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



5AE6FF



E5C8FF



FFBEAA



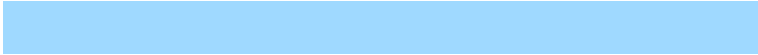
BDDF9A

# Rectangle

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



5AE6FF



9FD9FF



FFBEAA

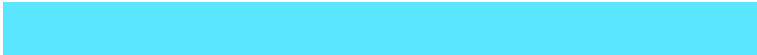


F0D18C

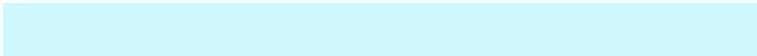


# Sweetspot

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



5AE6FF



CFF8FF



5AFF73



627B80



000000

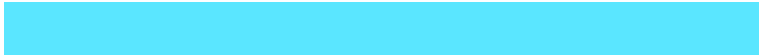


808080



# Same Dimension

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



5AE6FF



38E1FF



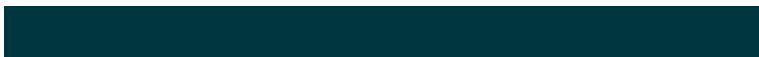
5A94FF



737E80



00A2BF



003640



# Inverse Universe

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



FF5AE6



FF38E1



FFC55A



80737E



BF00A2

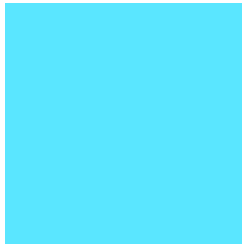


400036



# Previews

## White Background



This preview shows how the Hex color 5AE6FF looks on a white background.

## Color Contrast Check

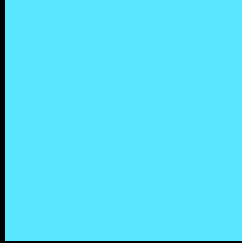
Large Text (above 18pt) WCAG AA × Fail

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 5AE6FF 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 5AE6FF Background



This preview shows how black text looks on a background with the Hex color 5AE6FF.

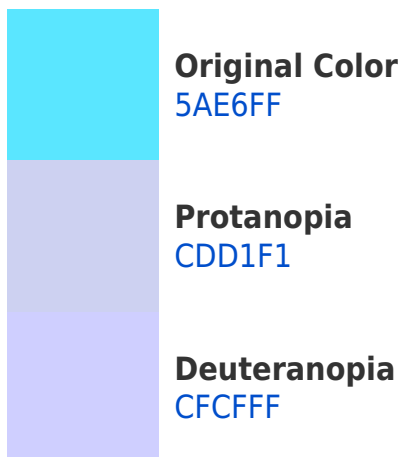


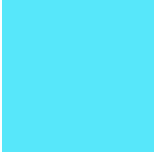
This preview shows how white text looks on a background with the Hex color 5AE6FF.

# 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**  
57E7FA

# Trichromacy



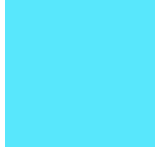
**Original Color**  
5AE6FF



**Protanomaly**  
A3D9F6



**Deuteranomaly**  
A4D7FF

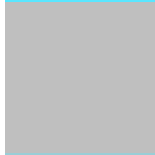


**Tritanomaly**  
58E7FC

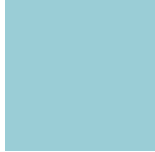
# Monochromacy



**Original Color**  
5AE6FF



**Achromatopsia**  
BFBFBF



**Achromatomaly**  
9ACDD6

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5AE6FF 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 #5AE6FF looks like.

```
.text, #text, p{  
    color:#5AE6FF  
}
```

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 #5AE6FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5AE6FF
}
```

## Border

The CSS property to change the border of an element to Hex 5AE6FF 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
#5AE6FF }
```

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

```
.border{ border-color:#5AE6FF }
```

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

Here you see how a box with a 4 pixel #5AE6FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5AE6FF; -webkit-box-shadow:4px 4px  
4px 4px #5AE6FF; box-shadow:4px 4px 4px  
4px #5AE6FF }
```

# Background

The CSS property to change the background color of an element to Hex 5AE6FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5AE6FF }
```

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

```
.background{ background-color:#5AE6FF }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor