

# Converting Colors

Hex(45BAFF)

Have a look what the booklet for  
Hex(45BAFF) contains.

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# **Color**

**Hex(45BAFF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45BAFF
RGB	69, 186, 255
RGB Percent	27%, 73%, 100%
CMY	0.7294, 0.2706, 0.0000
CMYK	0.73, 0.27, 0.00, 0.00
HSL	202°, 100%, 64%
HSV	202°, 73%, 100%
XYZ	38.0631, 43.6030, 101.0178
YIQ	158.8830, -91.8810, -3.3450

# Conversions

## Conversions Part 2

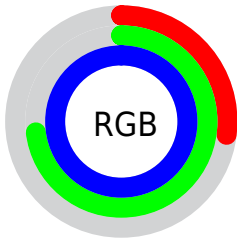
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	69, 141, 255
Decimal	4569855
CIE Lab	71.96, -10.60, -43.40
CIE LCh	72, 44.680, 256.274
Yxy	43.6030, 0.2084, 0.2387
Android (android.graphics.Color)	4282759935 (0xFF45BAFF)
YUV	158.8830, 47.3857, -78.8274
Hunter-Lab	66.0326, -12.6643, -44.4801

# Details

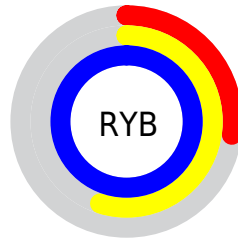
The Hex color **45BAFF** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **FF8A45**, and the grayscale version is **9E9E9E**.

A 20% lighter version of the original color is **8BF2FF**, and **0085C6** is the 20% darker color. If you saturate the color by 10%, you get **2BB1FF**, and if you desaturate by 10%, it is **5EC3FF**.

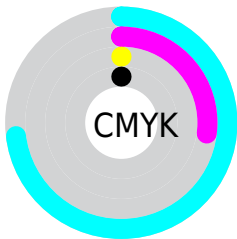
# Distribution



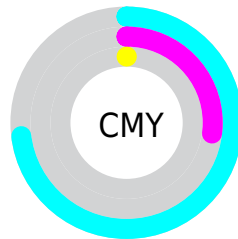
- Red (27%)
- Green (73%)
- Blue (100%)



- Red (27%)
- Yellow (55%)
- Blue (100%)



- Cyan (73%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (73%)
- Magenta (27%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45BAFF 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 45BAFF by changing the saturation by 10% instead.



 45BAFF

 45BAFF

FFFFFF

 049FE2

 8BF2FF

 0085C6

 AAFFFF

 006CAA

 CAFFFF

 005490

 E9FFFF

 003D76

 00285D

 001345

 00032E

 000118

 45BAFF

 45BAFF

 2BB1FF

 5EC3FF

 12A7FF

 78CDFF

 00A0FF

 92D6FF

 ABE0FF

 C4E9FF

 DEF3FF

 F7FCFF

FFFFFF

# Harmonies

## Analogous

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



00C2EA



45BAFF



97ADFF

# Triad

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



45BAFF



FF909C



86BF76

# Complementary

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



45BAFF



FF8A45

# 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.



B4B560



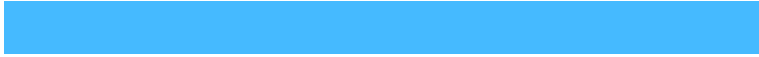
45BAFF



F59977

# Square

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



45BAFF



F392C5



DAA761



4CC49C

# Rectangle

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



45BAFF



C0A2F2



DAA761



96BC6D

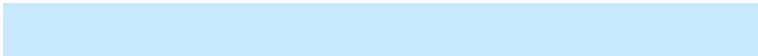


# Sweetspot

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



45BAFF



C7EAFF



45FF89



5E7380



000000



808080

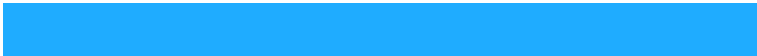


# Same Dimension

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



45BAFF



1FACFF



455EFF



737B80



0078BF



002840



# Inverse Universe

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



FF45BA



FF1FAC



FFE645



80737B



BF0078



400028



# Previews

## White Background



This preview shows how the Hex color 45BAFF looks on a white background.

## Color Contrast Check

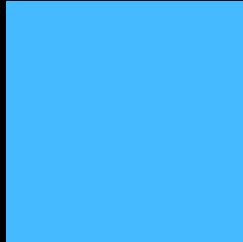
Large Text (above 18pt) WCAG AA × Fail

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 45BAFF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

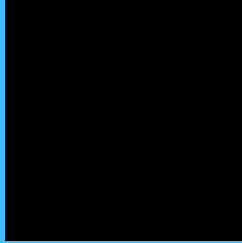
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

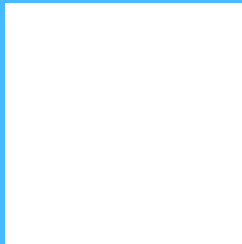
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 45BAFF Background



This preview shows how black text looks on a background with the Hex color 45BAFF.

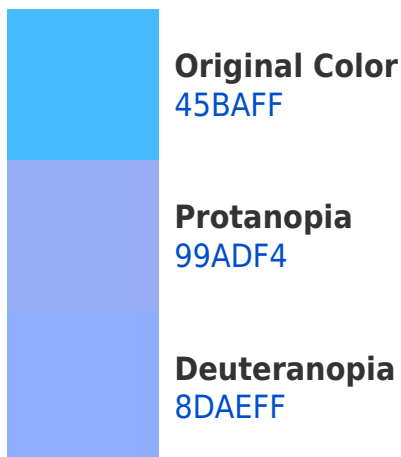


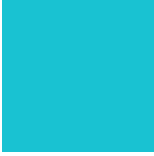
This preview shows how white text looks on a background with the Hex color 45BAFF.

# 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](#).

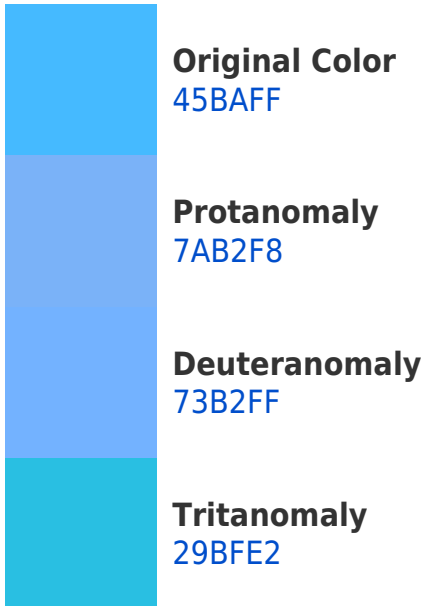
## Dichromacy



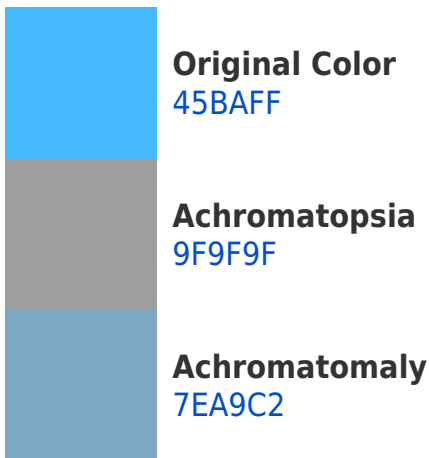


**Tritanopia**  
19C2D2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45BAFF 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 #45BAFF looks like.

```
.text, #text, p{  
    color:#45BAFF  
}
```

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 #45BAFF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45BAFF
}
```

## Border

The CSS property to change the border of an element to Hex 45BAFF 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
#45BAFF }
```

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

```
.border{ border-color:#45BAFF }
```

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

Here you see how a box with a 4 pixel #45BAFF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45BAFF; -webkit-box-shadow:4px 4px  
4px 4px #45BAFF; box-shadow:4px 4px 4px  
4px #45BAFF }
```

# Background

The CSS property to change the background color of an element to Hex 45BAFF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45BAFF }
```

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

```
.background{ background-color:#45BAFF }
```

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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