

# Converting Colors

Hex(5A72F7)

Have a look what the booklet for  
Hex(5A72F7) contains.

<b>Hex(5A72F7)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(5A72F7)

# Conversions

## Conversions Part 1

Format	Color
Hex	5A72F7
RGB	90, 114, 247
RGB Percent	35%, 45%, 97%
CMY	0.6471, 0.5529, 0.0314
CMYK	0.64, 0.54, 0.00, 0.03
HSL	231°, 91%, 66%
HSV	231°, 64%, 97%
XYZ	27.0223, 20.9237, 90.6101
YIQ	121.9860, -56.9970, 36.2750

# Conversions

## Conversions Part 2

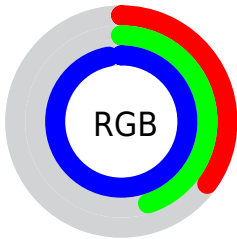
Format	Color
<a href="#">RYB</a>	<a href="#">90, 111, 247</a>
Decimal	<a href="#">5927671</a>
CIELab	<a href="#">52.87, 31.94, -69.39</a>
CIElCh	<a href="#">53, 76.384, 294.717</a>
Yxy	<a href="#">20.9237, 0.1950, 0.1510</a>
Android (android.graphics.Color)	<a href="#">4284117751 (0xFF5A72F7)</a>
YUV	<a href="#">121.9860, 61.6319, -28.0517</a>
Hunter-Lab	<a href="#">45.7424, 25.3994, -85.4265</a>

# Details

The Hex color **5A72F7** is a light color, and the websafe version is hex **3366FF**. The color can be described as light muted azure. A complement of this color would be **F7DF5A**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **9AA6FF**, and **0043BE** is the 20% darker color. If you saturate the color by 10%, you get **415DF7**, and if you desaturate by 10%, it is **7387F7**.

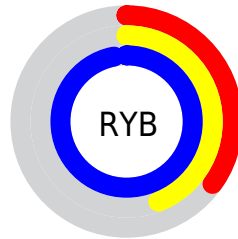
# Distribution



Red (35%)

Green (45%)

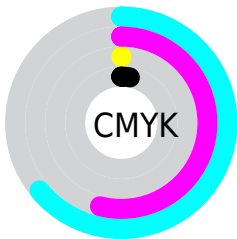
Blue (97%)



Red (35%)

Yellow (44%)

Blue (97%)

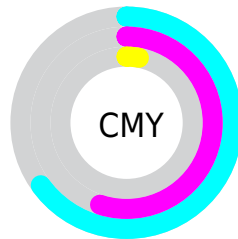


Cyan (64%)

Magenta (54%)

Yellow (0%)

Black (3%)



Cyan (65%)

Magenta (55%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5A72F7 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 5A72F7 by changing the saturation by 10% instead.



 5A72F7

 5A72F7

FFFFFF

 345ADA

 9AA6FF

 0043BE

 B8C1FF

 002DA2

 D7DCFF

 001A87

 F6F9FF

 00046D

 000A53

 00063B

 000225

 00010D

■ 5A72F7

■ 5A72F7

■ 415DF7

■ 7387F7

■ 2948F7

■ 8B9CF7

■ 1033F7

■ A4B1F7

■ 0026F7

■ BDC6F7

■ D6DBF7

■ EEF0F7

■ FFFF7

# Harmonies

## Analogous

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



008AFF



5A72F7



C04ECB

# Triad

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



5A72F7



D25A00



009A70

# Complementary

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



5A72F7



F7DF5A

# 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.



009529



5A72F7



A37800

# Square

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



5A72F7



ED344C



648B00



009AB4

# Rectangle

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



5A72F7



E133A3



648B00



009859



# Sweetspot

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



5A72F7



CFD6FF



5AF7DD



626780



000000



808080



# Same Dimension

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



5A72F7



3D5BFF



8E5AF7



6E707A



001CBA



00093B



# Inverse Universe

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



F75A72



FF3D5B



C3F75A



7A6E70



BA001C

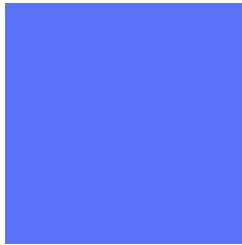


3B0009



# Previews

## White Background



This preview shows how the Hex color 5A72F7 looks on a white background.

## Color Contrast Check

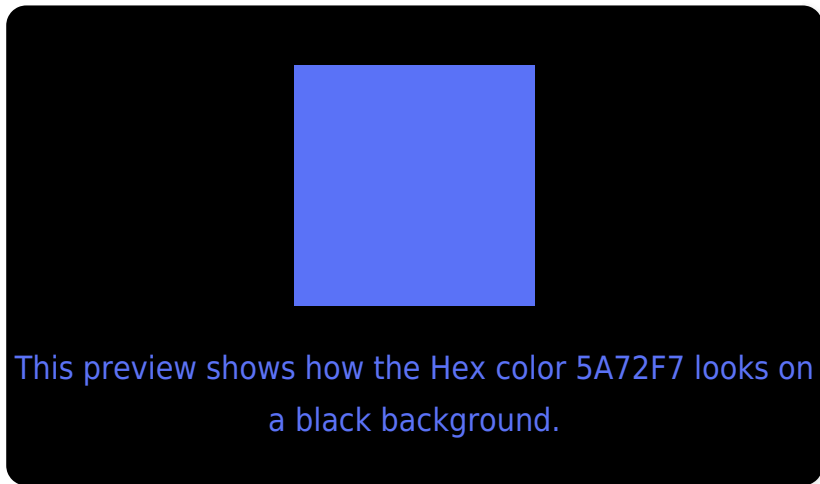
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

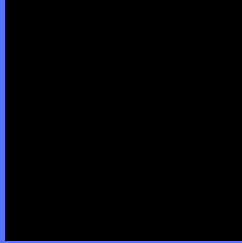
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 5A72F7 Background



This preview shows how black text looks on a background with the Hex color 5A72F7.



This preview shows how white text looks on a background with the Hex color 5A72F7.

# 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



**Original Color**  
5A72F7

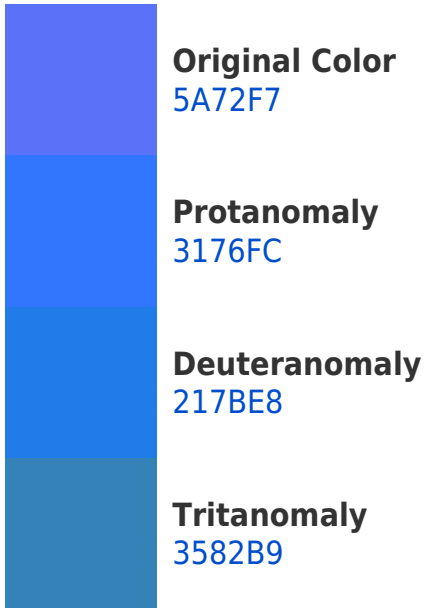
**Protanopia**  
1979FF

**Deuteranopia**  
0080E0

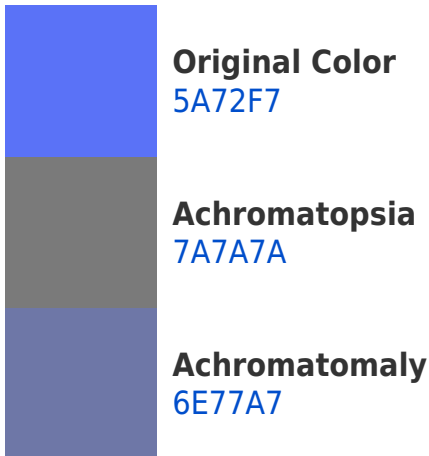


**Tritanopia**  
208B96

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5A72F7 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 #5A72F7 looks like.

```
.text, #text, p{  
    color:#5A72F7  
}
```

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 #5A72F7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5A72F7
}
```

## Border

The CSS property to change the border of an element to Hex 5A72F7 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
#5A72F7 }
```

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

```
.border{ border-color:#5A72F7 }
```

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

Here you see how a box with a 4 pixel #5A72F7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5A72F7; -webkit-box-shadow:4px 4px  
4px 4px #5A72F7; box-shadow:4px 4px 4px  
4px #5A72F7 }
```

# Background

The CSS property to change the background color of an element to Hex 5A72F7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5A72F7 }
```

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

```
.background{ background-color:#5A72F7 }
```

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