

# Converting Colors

Hex(2F87E9)

Have a look what the booklet for  
Hex(2F87E9) contains.

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# Color

**Hex(2F87E9)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2F87E9
RGB	47, 135, 233
RGB Percent	18%, 53%, 91%
CMY	0.8157, 0.4706, 0.0863
CMYK	0.80, 0.42, 0.00, 0.09
HSL	212°, 81%, 55%
HSV	212°, 80%, 91%
XYZ	24.5442, 23.8155, 80.3940
YIQ	119.8600, -83.9060, 11.8220

# Conversions

## Conversions Part 2

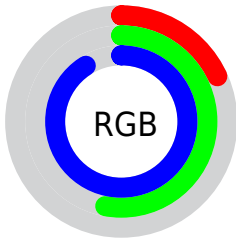
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	47, 107, 233
Decimal	3114985
CIE Lab	55.90, 8.48, -56.80
CIE LCh	56, 57.425, 278.488
Yxy	23.8155, 0.1906, 0.1850
Android (android.graphics.Color)	4281305065 (0xFF2F87E9)
YUV	119.8600, 55.7780, -63.8982
Hunter-Lab	48.8011, 4.3737, -63.5125

# Details

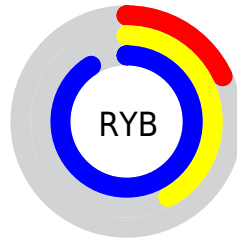
The Hex color **2F87E9** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **E9912F**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **79BCFF**, and **0056B1** is the 20% darker color. If you saturate the color by 10%, you get **187BE9**, and if you desaturate by 10%, it is **4693E9**.

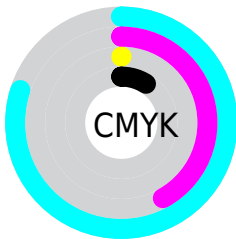
# Distribution



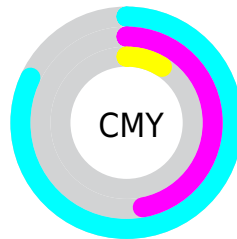
- Red (18%)
- Green (53%)
- Blue (91%)



- Red (18%)
- Yellow (42%)
- Blue (91%)



- Cyan (80%)
- Magenta (42%)
- Yellow (0%)
- Black (9%)



- Cyan (82%)
- Magenta (47%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F87E9 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 2F87E9 by changing the saturation by 10% instead.



■ 2F87E9

■ 2F87E9

FFFFFF

■ 006ECC

■ 79BCFF

■ 0056B1

■ 99D7FF

■ 004095

■ B8F4FF

■ 002B7B

■ D6FFFF

■ 001861

■ F5FFFF

■ 000949

■ 000431

■ 00011C

■ 000000

■ 2F87E9

■ 2F87E9

■ 187BE9

■ 4693E9

■ 006EE9

■ 5EA0E9

■ 75ACE9

■ 8CB8E9

■ A3C4E9

■ BBD1E9

■ D2DDE9

■ E9E9E9

■ FFF5E9

# Harmonies

## Analogous

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



0095E3



2F87E9



9A72D5

# Triad

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



2F87E9



D8624A



009B5F

# Complementary

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



2F87E9



E9912F

# 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.



5D9431



2F87E9



BC7624

# Square

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



2F87E9



E0567A



928813



009E93

# Rectangle

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



2F87E9



C064BB



928813



21994F

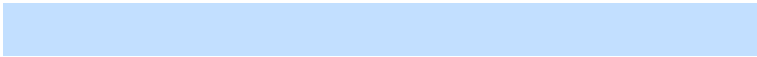


# Sweetspot

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



2F87E9



C2DFFF



2FE98F



5B6C80



000000



808080



# Same Dimension

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



2F87E9



0A7EFF



322FE9



6A6F75



0056B5



001936



# Inverse Universe

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



E92F87



FF0A7E



E6E92F



756A6F



B50056



360019



# Previews

## White Background



This preview shows how the Hex color 2F87E9 looks on a white background.

## Color Contrast Check

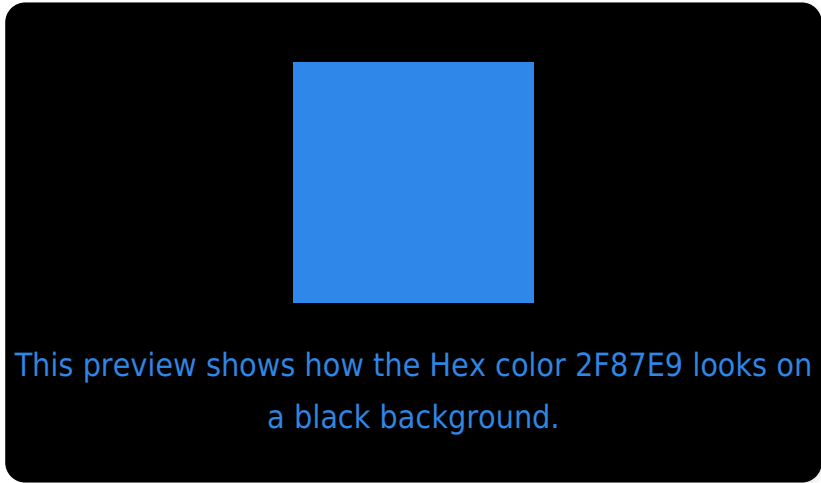
Large Text (above 18pt) WCAG AA ✓ Pass

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

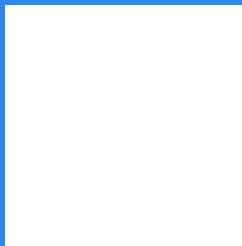
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2F87E9 Background



This preview shows how black text looks on a background with the Hex color 2F87E9.



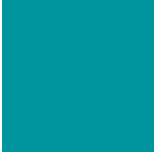
This preview shows how white text looks on a background with the Hex color 2F87E9.

# 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](#).

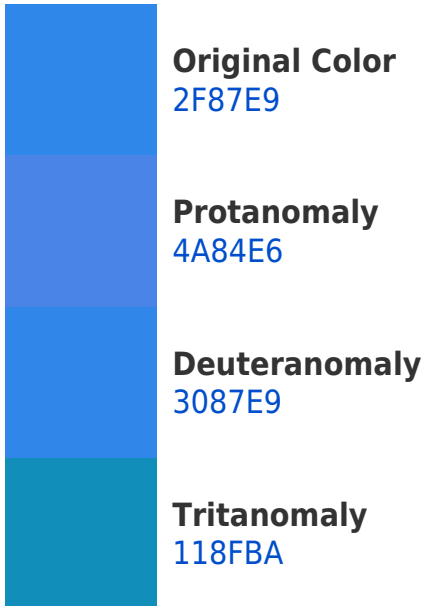
## Dichromacy



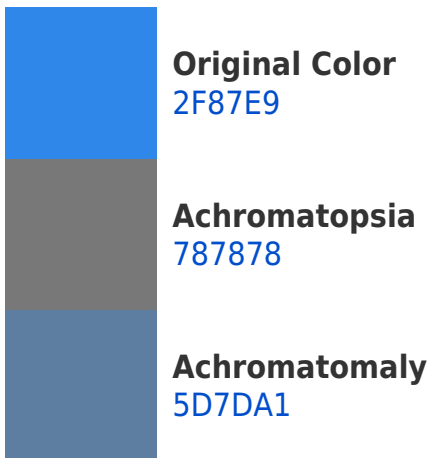


**Tritanopia**  
00949F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F87E9 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 #2F87E9 looks like.

```
.text, #text, p{  
    color:#2F87E9  
}
```

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 #2F87E9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F87E9
}
```

## Border

The CSS property to change the border of an element to Hex 2F87E9 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
#2F87E9 }
```

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

```
.border{ border-color:#2F87E9 }
```

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

Here you see how a box with a 4 pixel #2F87E9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F87E9; -webkit-box-shadow:4px 4px  
4px 4px #2F87E9; box-shadow:4px 4px 4px  
4px #2F87E9 }
```

# Background

The CSS property to change the background color of an element to Hex 2F87E9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F87E9 }
```

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

```
.background{ background-color:#2F87E9 }
```

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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