

Converting Colors

Hex(2F7AE9)

Have a look what the booklet for
Hex(2F7AE9) contains.

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Color

Hex(2F7AE9)

Conversions

Conversions Part 1

Format	Color
Hex	2F7AE9
RGB	47, 122, 233
RGB Percent	18%, 48%, 91%
CMY	0.8157, 0.5216, 0.0863
CMYK	0.80, 0.48, 0.00, 0.09
HSL	216°, 81%, 55%
HSV	216°, 80%, 91%
XYZ	22.8398, 20.4066, 79.8259
YIQ	112.2290, -80.3310, 18.6210

Conversions

Conversions Part 2

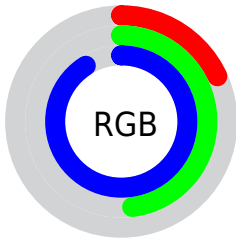
Format	Color
R _Y B	47, 100, 233
Decimal	3111657
CIE Lab	52.29, 16.48, -62.59
CIE LCh	52, 64.726, 284.753
Yxy	20.4066, 0.1856, 0.1658
Android (android.graphics.Color)	4281301737 (0xFF2F7AE9)
YUV	112.2290, 59.5401, -57.2058
Hunter-Lab	45.1737, 11.1957, -73.1491

Details

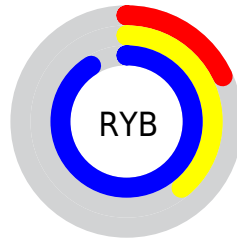
The Hex color **2F7AE9** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **E99E2F**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **79AEFF**, and **004AB0** is the 20% darker color. If you saturate the color by 10%, you get **186CE9**, and if you desaturate by 10%, it is **4688E9**.

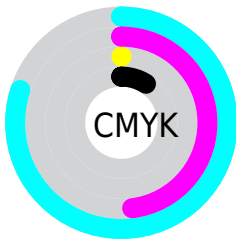
Distribution



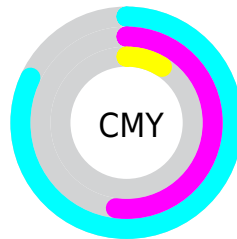
- Red (18%)
- Green (48%)
- Blue (91%)



- Red (18%)
- Yellow (39%)
- Blue (91%)



- Cyan (80%)
- Magenta (48%)
- Yellow (0%)
- Black (9%)



- Cyan (82%)
- Magenta (52%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2F7AE9 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 2F7AE9 by changing the saturation by 10% instead.

■ 2F7AE9

■ 2F7AE9

FFFFFF

■ 0062CC

■ 79AEFF

■ 004AB0

■ 99C9FF

■ 003595

■ B8E5FF

■ 00217B

■ D7FFFF

■ 000B61

■ F6FFFF

■ 000848

■ 000431

■ 00011B

■ 000000

■ 2F7AE9

■ 2F7AE9

■ 186CE9

■ 4688E9

■ 005EE9

■ 5E96E9

■ 75A4E9

■ 8CB2E9

■ A3C0E9

■ BBCDE9

■ D2DBE9

■ E9E9E9

■ FFF7E9

Harmonies

Analogous

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



008BE8



2F7AE9



A160CC

Triad

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



2F7AE9



D05730



00945D

Complementary

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



2F7AE9



E99E2F

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.



398E25



2F7AE9



AD7000

Square

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



2F7AE9



DF4164



7D8300



009697

Rectangle

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



2F7AE9



C54EAD



7D8300



00934A

Sweetspot

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



2F7AE9



C2DAFF



2FE99C



5B6980



000000



808080

Same Dimension

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



2F7AE9



0A6DFF



3F2FE9



6A6E75



0049B5



001636

Inverse Universe

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



E92F7A



FF0A6D



DAE92F



756A6E



B50049



360016

Previews

White Background



This preview shows how the Hex color 2F7AE9 looks on a white background.

Color Contrast Check

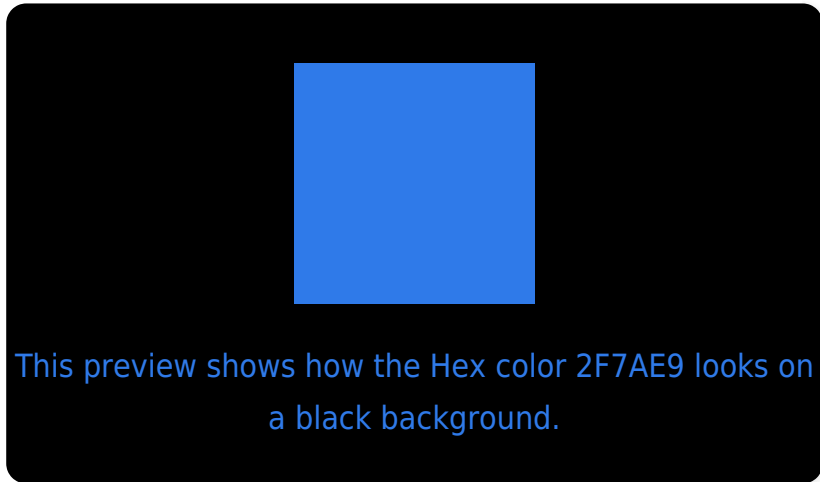
Large Text (above 18pt) WCAG AA ✓ Pass

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

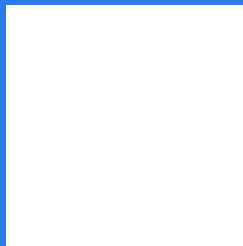
Any Text WCAG AAA × Fail

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

Hex 2F7AE9 Background



This preview shows how black text looks on a background with the Hex color 2F7AE9.



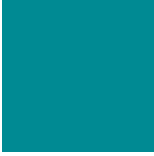
This preview shows how white text looks on a background with the Hex color 2F7AE9.

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



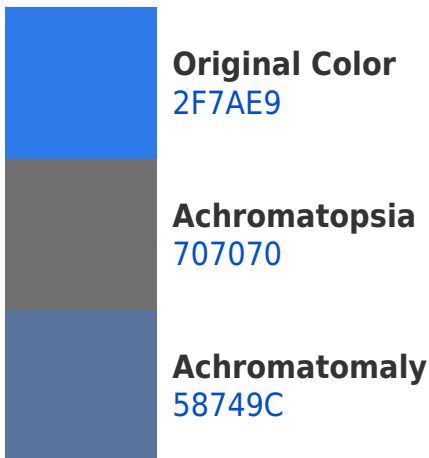


Tritanopia
008A93

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 2F7AE9 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 #2F7AE9 looks like.

```
.text, #text, p{  
    color:#2F7AE9  
}
```

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 #2F7AE9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F7AE9
}
```

Border

The CSS property to change the border of an element to Hex 2F7AE9 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
#2F7AE9 }
```

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

```
.border{ border-color:#2F7AE9 }
```

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

Here you see how a box with a 4 pixel #2F7AE9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F7AE9; -webkit-box-shadow:4px 4px  
4px 4px #2F7AE9; box-shadow:4px 4px 4px  
4px #2F7AE9 }
```

Background

The CSS property to change the background color of an element to Hex 2F7AE9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F7AE9 }
```

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

```
.background{ background-color:#2F7AE9 }
```

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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