

Converting Colors

Hex(2A7FFF)

Have a look what the booklet for
Hex(2A7FFF) contains.

Hex(2A7FFF)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(2A7FFF)

Conversions

Conversions Part 1

Format	Color
Hex	2A7FFF
RGB	42, 127, 255
RGB Percent	16%, 50%, 100%
CMY	0.8353, 0.5020, 0.0000
CMYK	0.84, 0.50, 0.00, 0.00
HSL	216°, 100%, 58%
HSV	216°, 84%, 100%
XYZ	26.5942, 22.8910, 97.6245
YIQ	116.1770, -91.7480, 21.7880

Conversions

Conversions Part 2

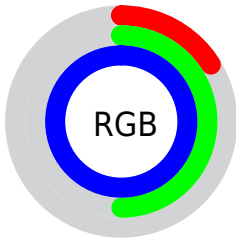
Format	Color
R _{YB}	42, 103, 255
Decimal	2785279
CIE _{Lab}	54.96, 21.17, -70.51
CIE _{LCh}	55, 73.619, 286.710
Yxy	22.8910, 0.1808, 0.1556
Android (android.graphics.Color)	4280975359 (0xFF2A7FFF)
YUV	116.1770, 68.4397, -65.0532
Hunter-Lab	47.8445, 15.4907, -87.4873

Details

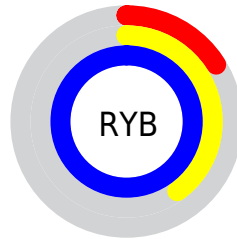
The Hex color **2A7FFF** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **FFAA2A**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **7CB3FF**, and **004FC5** is the 20% darker color. If you saturate the color by 10%, you get **1070FF**, and if you desaturate by 10%, it is **438EFF**.

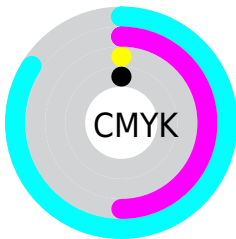
Distribution



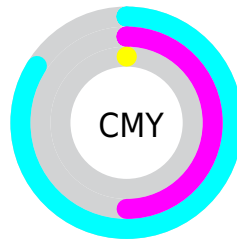
- Red (16%)
- Green (50%)
- Blue (100%)



- Red (16%)
- Yellow (40%)
- Blue (100%)



- Cyan (84%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)



- Cyan (84%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2A7FFF 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 2A7FFF by changing the saturation by 10% instead.

 2A7FFF

 2A7FFF

FFFFFF

 0066E2

 7CB3FF

 004FC5

 9DCEFF

 0039A9

 BDEAFF

 00268E

 DCFFFF

 001474

 FCFFFF

 000D5A

 000742

 00032B

 000115

■ 2A7FFF

■ 2A7FFF

■ 1070FF

■ 438EFF

■ 0066FF

■ 5D9EFF

■ 77ADFF

■ 90BCFF

■ AACCFE

■ C3DBFF

■ DDEAFF

■ F6FAFF

FFFFFF

Harmonies

Analogous

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



0093FF



2A7FFF



B160DC

Triad

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



2A7FFF



DF5826



009E64

Complementary

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



2A7FFF



FFA2A

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.



25981F



2A7FFF



B67600

Square

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



2A7FFF



F23A63



7E8B00



00A0A7

Rectangle

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



2A7FFF



D948B7



7E8B00



009C4E

Sweetspot

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



2A7FFF



BFD9FF



2AFFAA



596980



000000



808080

Same Dimension

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



2A7FFF



0066FF



3F2AFF



737880



004CBF



001940

Inverse Universe

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



FF2A7F



FF0066



EAFF2A



807378



BF004C



400019

Previews

White Background



This preview shows how the Hex color 2A7FFF 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



This preview shows how the Hex color 2A7FFF looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

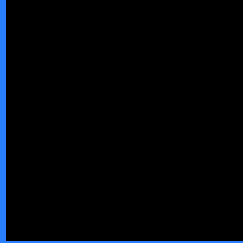
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

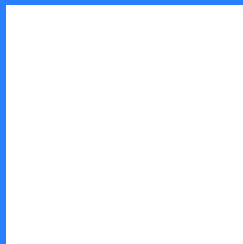
Any Text WCAG AAA × Fail

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

Hex 2A7FFF Background



This preview shows how black text looks on a background with the Hex color 2A7FFF.



This preview shows how white text looks on a background with the Hex color 2A7FFF.

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
2A7FFF

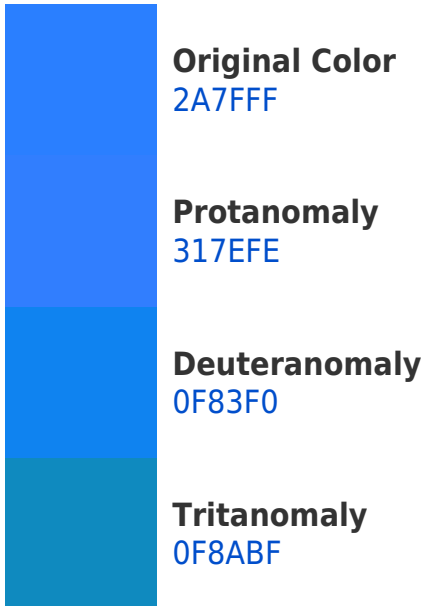
Protanopia
357EFE

Deuteranopia
0085E8

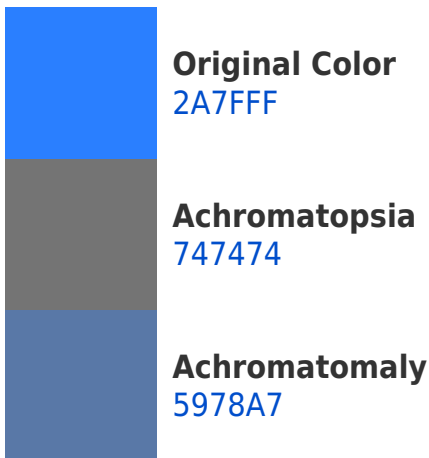


Tritanopia
00919B

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 2A7FFF 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 #2A7FFF looks like.

```
.text, #text, p{  
    color:#2A7FFF  
}
```

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 #2A7FFF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A7FFF
}
```

Border

The CSS property to change the border of an element to Hex 2A7FFF 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
#2A7FFF }
```

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

```
.border{ border-color:#2A7FFF }
```

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

Here you see how a box with a 4 pixel #2A7FFF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A7FFF; -webkit-box-shadow:4px 4px  
4px 4px #2A7FFF; box-shadow:4px 4px 4px  
4px #2A7FFF }
```

Background

The CSS property to change the background color of an element to Hex 2A7FFF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A7FFF }
```

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

```
.background{ background-color:#2A7FFF }
```

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