

Converting Colors

Hex(2877FF)

Have a look what the booklet for
Hex(2877FF) contains.

Hex(2877FF)	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(2877FF)

Conversions

Conversions Part 1

Format	Color
Hex	2877FF
RGB	40, 119, 255
RGB Percent	16%, 47%, 100%
CMY	0.8431, 0.5333, 0.0000
CMYK	0.84, 0.53, 0.00, 0.00
HSL	218°, 100%, 58%
HSV	218°, 84%, 100%
XYZ	25.5219, 20.8648, 97.2899
YIQ	110.8830, -90.7400, 25.5480

Conversions

Conversions Part 2

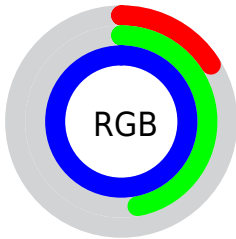
Format	Color
R_{YB}	40, 98, 255
Decimal	2652159
CIE _{Lab}	52.80, 26.02, -74.01
CIE _{LCh}	53, 78.451, 289.368
Yxy	20.8648, 0.1776, 0.1452
Android (android.graphics.Color)	4280842239 (0xFF2877FF)
YUV	110.8830, 71.0497, -62.1644
Hunter-Lab	45.6780, 19.7978, -94.3077

Details

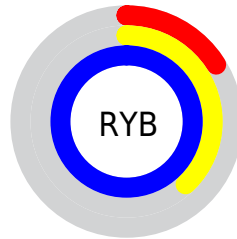
The Hex color **2877FF** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **FFB028**, and the grayscale version is **6E6E6E**.

A 20% lighter version of the original color is **7BAAFF**, and **0048C5** is the 20% darker color. If you saturate the color by 10%, you get **0F67FF**, and if you desaturate by 10%, it is **4287FF**.

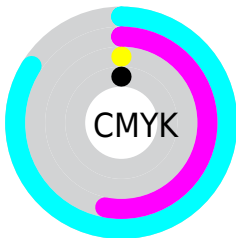
Distribution



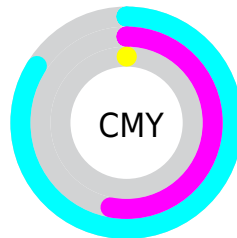
- Red (16%)
- Green (47%)
- Blue (100%)



- Red (16%)
- Yellow (38%)
- Blue (100%)



- Cyan (84%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)



- Cyan (84%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2877FF 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 2877FF by changing the saturation by 10% instead.

 2877FF

 2877FF

FFFFFF

 005FE2

 7BAAFF

 0048C5

 9CC6FF

 0033A9

 BCE1FF

 00208E

 DCFEFF


 000C74

 FCFFFF

 000D5A

 000741

 00032A

 000115

■ 2877FF

■ 2877FF

■ 0F67FF

■ 4287FF

■ 005EFF

■ 5B97FF

■ 75A7FF

■ 8EB8FF

■ A8C8FF

■ C1D8FF

■ DBE8FF

■ F4F8FF

FFFFFF

Harmonies

Analogous

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



008DFF



2877FF



B553D7

Triad

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



2877FF



DA510F



009963

Complementary

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



2877FF



FFB028

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.



009415



2877FF



AD7300

Square

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



2877FF



F12856



708800



009BA9

Rectangle

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



2877FF



DC35AF



708800



00984B

Sweetspot

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



2877FF



BFD7FF



28FFAD



596780



000000



808080

Same Dimension

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



2877FF



005EFF



4128FF



737780



0046BF



001740

Inverse Universe

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



FF2877



FF005E



E6FF28



807377



BF0046



400017

Previews

White Background



This preview shows how the Hex color 2877FF looks on a white background.

Color Contrast Check

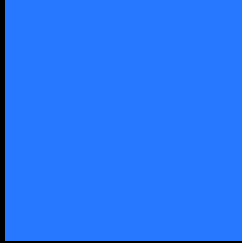
Large Text (above 18pt) WCAG AA ✓ Pass

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 2877FF 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

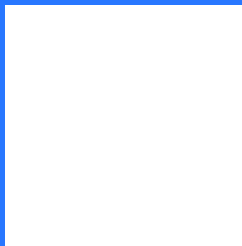
Any Text WCAG AAA × Fail

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

Hex 2877FF Background



This preview shows how black text looks on a background with the Hex color 2877FF.



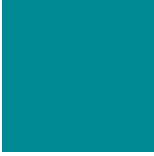
This preview shows how white text looks on a background with the Hex color 2877FF.

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](#).

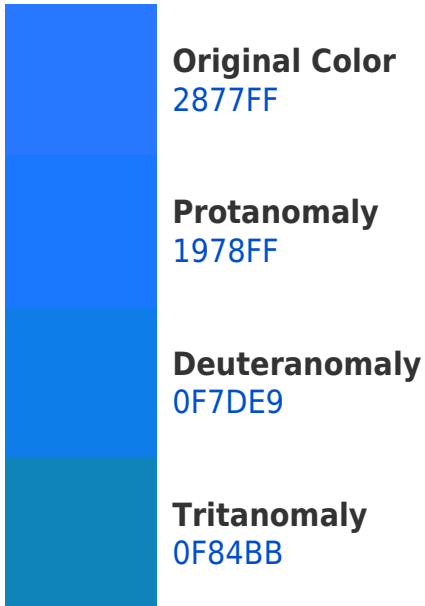
Dichromacy



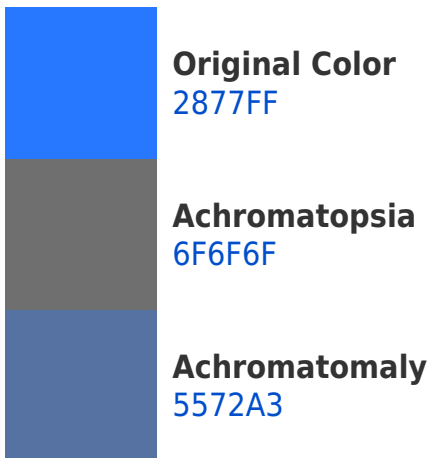


Tritanopia
008B94

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 2877FF 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 #2877FF looks like.

```
.text, #text, p{  
    color:#2877FF  
}
```

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 #2877FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2877FF
}
```

Border

The CSS property to change the border of an element to Hex 2877FF is called "border". The border property can be set on classes, ids or directly on the HTML element.

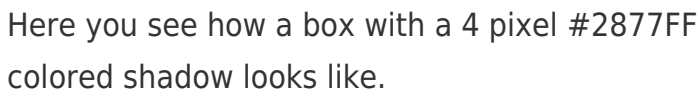
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2877FF }
```

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

```
.border{ border-color:#2877FF }
```

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



Here you see how a box with a 4 pixel #2877FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2877FF; -webkit-box-shadow:4px 4px  
4px 4px #2877FF; box-shadow:4px 4px 4px  
4px #2877FF }
```

Background

The CSS property to change the background color of an element to Hex 2877FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2877FF }
```

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

```
.background{ background-color:#2877FF }
```

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