

# Converting Colors

Hex(4800FF)

Have a look what the booklet for  
Hex(4800FF) contains.

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**Color**

**Hex(4800FF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4800FF
RGB	72, 0, 255
RGB Percent	28%, 0%, 100%
CMY	0.7176, 1.0000, 0.0000
CMYK	0.72, 1.00, 0.00, 0.00
HSL	257°, 100%, 50%
HSV	257°, 100%, 100%
XYZ	20.7225, 8.5977, 95.1751
YIQ	50.5980, -38.9430, 94.5690

# Conversions

## Conversions Part 2

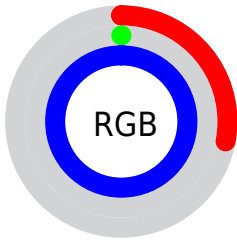
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	72, 0, 255
Decimal	4718847
CIE Lab	35.20, 80.25, -102.96
CIE LCh	35, 130.539, 307.936
Yxy	8.5977, 0.1665, 0.0691
Android (android.graphics.Color)	4282908927 (0xFF4800FF)
YUV	50.5980, 100.7702, 18.7696
Hunter-Lab	29.3219, 74.8371, -171.9225

# Details

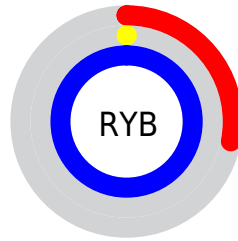
The Hex color **4800FF** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **B7FF00**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **944BFF**, and **0000C4** is the 20% darker color. If you saturate the color by 10%, you get **4800FF**, and if you desaturate by 10%, it is **5A19FF**.

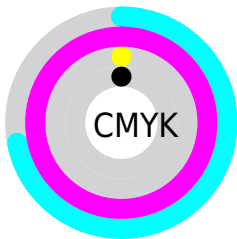
# Distribution



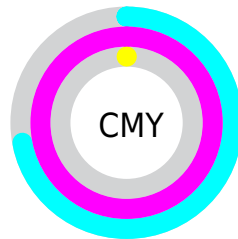
- Red (28%)
- Green (0%)
- Blue (100%)



- Red (28%)
- Yellow (0%)
- Blue (100%)



- Cyan (72%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (72%)
- Magenta (100%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4800FF 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 4800FF by changing the saturation by 10% instead.



 4800FF

 4800FF

FFFFFF

 0000E1

 944BFF

 0000C4

 B568FF

 0000A8

 D684FF

 00008C

 F6A0FF

 000972

 FFBDFD

 000C58

 FFDAFF

 000740

 FFF7FF

 000329


 000112

 4800FF


 5A19FF

 6D33FF

 7F4DFF

 9166FF

 A380FF

 B699FF

 C8B3FF

 DACCCF

 EDE6FF

# Harmonies

## Analogous

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



0061FF



4800FF



D600A4

# Triad

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



4800FF



A02300



00706E

# Complementary

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



4800FF



B7FF00

# 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.



006D00



4800FF



4C5900

# Square

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



4800FF



DA0000



006900



0075D6

# Rectangle

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



4800FF



F10060



006900



006F49



# Sweetspot

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



4800FF



C8B3FF



00BBFF



5F5280



000000



808080



# Same Dimension

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



4800FF



C300FF



767380



3600BF



120040

# Inverse Universe

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



FF00B7



3CFF00



80737C



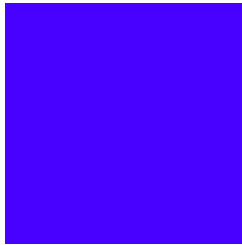
BF0089



40002E

# Previews

## White Background



This preview shows how the Hex color 4800FF looks on a white background.

## Color Contrast Check

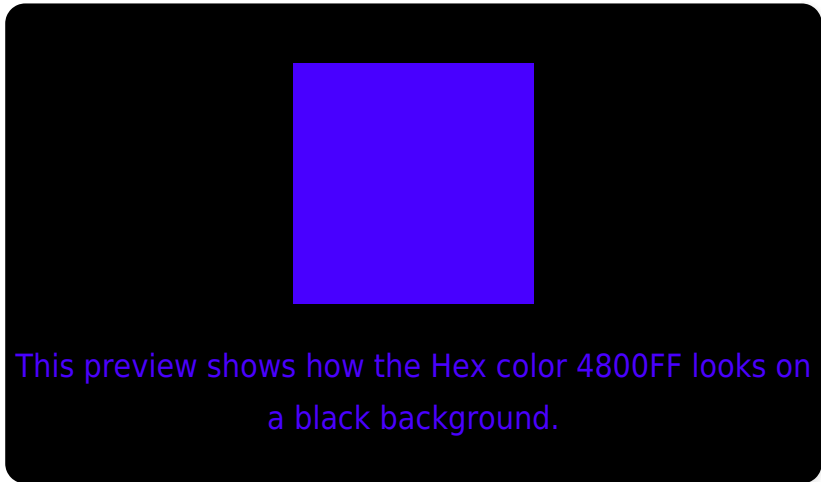
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

## Hex 4800FF Background



This preview shows how black text looks on a background with the Hex color 4800FF.

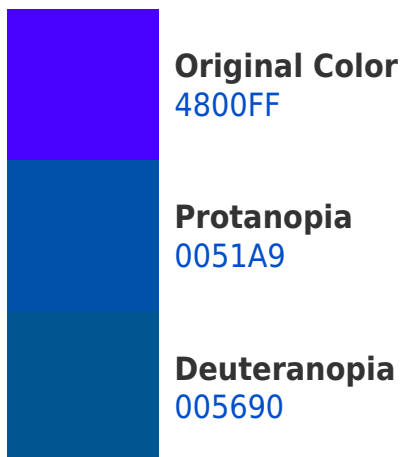


This preview shows how white text looks on a background with the Hex color 4800FF.

# 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**  
005D62

# Trichromacy



**Original Color**  
4800FF

**Protanomaly**  
1A34C8

**Deuteranomaly**  
1A37B8

**Tritanomaly**  
1A3B9B

# Monochromacy



**Original Color**  
4800FF

**Achromatopsia**  
333333

**Achromatomaly**  
3B207D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4800FF 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 #4800FF looks like.

```
.text, #text, p{  
    color:#4800FF  
}
```

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 #4800FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4800FF
}
```

## Border

The CSS property to change the border of an element to Hex 4800FF 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
#4800FF }
```

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

```
.border{ border-color:#4800FF }
```

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

Here you see how a box with a 4 pixel #4800FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4800FF; -webkit-box-shadow:4px 4px  
4px 4px #4800FF; box-shadow:4px 4px 4px  
4px #4800FF }
```

# Background

The CSS property to change the background color of an element to Hex 4800FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4800FF }
```

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

```
.background{ background-color:#4800FF }
```

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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