

# Converting Colors

Hex(7644FF)

Have a look what the booklet for  
Hex(7644FF) contains.

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**Color**

**Hex(7644FF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7644FF
RGB	118, 68, 255
RGB Percent	46%, 27%, 100%
CMY	0.5373, 0.7333, 0.0000
CMYK	0.54, 0.73, 0.00, 0.00
HSL	256°, 100%, 63%
HSV	256°, 73%, 100%
XYZ	27.5883, 15.2058, 96.0887
YIQ	104.2680, -30.2270, 68.7570

# Conversions

## Conversions Part 2

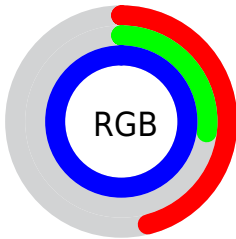
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	118, 68, 255
Decimal	7750911
CIE Lab	45.91, 64.18, -85.09
CIE LCh	46, 106.579, 307.026
Yxy	15.2058, 0.1986, 0.1095
Android (android.graphics.Color)	4285940991 (0xFF7644FF)
YUV	104.2680, 74.3109, 12.0430
Hunter-Lab	38.9946, 58.0466, -118.8034

# Details

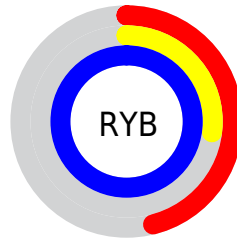
The Hex color **7644FF** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **CDFF44**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **B579FF**, and **2C08C5** is the 20% darker color. If you saturate the color by 10%, you get **632AFF**, and if you desaturate by 10%, it is **895DFF**.

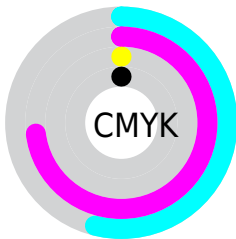
# Distribution



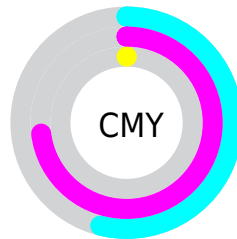
- Red (46%)
- Green (27%)
- Blue (100%)



- Red (46%)
- Yellow (27%)
- Blue (100%)



- Cyan (54%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (73%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7644FF 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 7644FF by changing the saturation by 10% instead.



 7644FF

 7644FF

FFFFFF

 5429E2

 B579FF

 2C08C5

 D494FF

 0000A9

 F3B0FF

 00008D

 FFCCFF

 000073

 FFE9FF

 000A59

 000740

 000329


 000113

 7644FF

 7644FF

 632AFF

 895DFF

 5111FF

 9B77FF

 4400FF

 AE91FF

 C1AAFF

 D3C3FF

 E6DDFF

 F9F6FF

FFFFFF

# Harmonies

## Analogous

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



0075FF



7644FF



E000B5

# Triad

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



7644FF



BA4A00



008C81

# Complementary

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



7644FF



CDFF44

# 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.



00891B



7644FF



727100

# Square

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



7644FF



EC0000



008200



008ED8

# Rectangle

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



7644FF



FA007A



008200



008C61



# Sweetspot

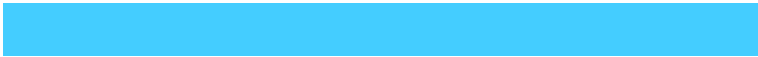
The Sweet Spot groups the original color and five complimentary colors.



7644FF



D6C7FF



44CDFF



675E80



000000



808080



# Same Dimension

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



7644FF



5B1FFF



D344FF



767380



3300BF



110040



# Inverse Universe

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



FF44CD



FF1FC3



70FF44



80737C



BF008C

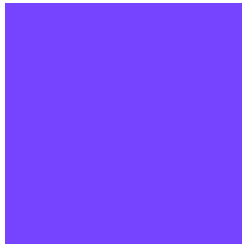


40002F



# Previews

## White Background



This preview shows how the Hex color 7644FF looks on a white background.

## Color Contrast Check

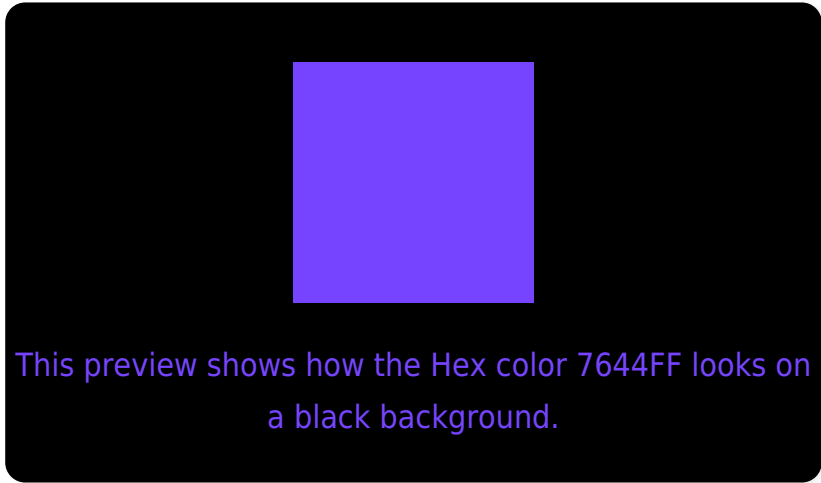
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

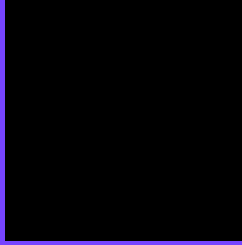
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7644FF Background



This preview shows how black text looks on a background with the Hex color 7644FF.

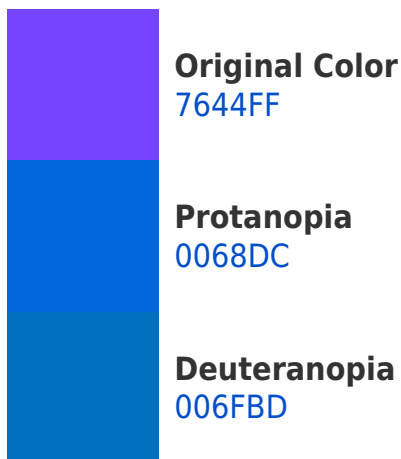



This preview shows how white text looks on a background with the Hex color 7644FF.

# 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**  
4A737C

# Trichromacy



**Original Color**

7644FF



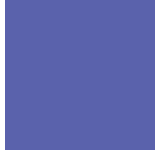
**Protanomaly**

2B5BE9



**Deuteranomaly**

2B5FD5



**Tritanomaly**

5A62AC

# Monochromacy



**Original Color**

7644FF



**Achromatopsia**

686868



**Achromatomaly**

6D5B9F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7644FF 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 #7644FF looks like.

```
.text, #text, p{  
  color:#7644FF  
}
```

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 #7644FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7644FF
}
```

## Border

The CSS property to change the border of an element to Hex 7644FF is called "border". The border property can be set on classes, ids or directly on the HTML element.

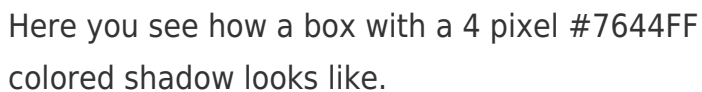
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7644FF }
```

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

```
.border{ border-color:#7644FF }
```

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



Here you see how a box with a 4 pixel #7644FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7644FF; -webkit-box-shadow:4px 4px  
4px 4px #7644FF; box-shadow:4px 4px 4px  
4px #7644FF }
```

# Background

The CSS property to change the background color of an element to Hex 7644FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7644FF }
```

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

```
.background{ background-color:#7644FF }
```

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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