

# Converting Colors

Hex(7500FF)

Have a look what the booklet for  
Hex(7500FF) contains.

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**Color**

**Hex(7500FF)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 7500FF                      |
| RGB         | 117, 0, 255                 |
| RGB Percent | 46%, 0%, 100%               |
| CMY         | 0.5412, 1.0000, 0.0000      |
| CMYK        | 0.54, 1.00, 0.00, 0.00      |
| HSL         | 268°, 100%, 50%             |
| HSV         | 268°, 100%, 100%            |
| XYZ         | 25.3861, 11.0019, 95.3933   |
| YIQ         | 64.0530, -12.1230, 104.1090 |

# Conversions

## Conversions Part 2

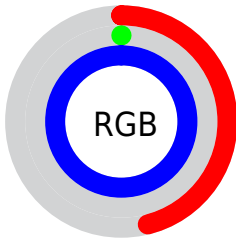
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 117, 0, 255                    |
| Decimal                             | 7667967                        |
| CIELab                              | 39.58, 82.42, -95.54           |
| CIELCh                              | 40, 126.175, 310.782           |
| Yxy                                 | 11.0019, 0.1926,<br>0.0835     |
| Android<br>(android.graphics.Color) | 4285858047<br>(0xFF7500FF)     |
| YUV                                 | 64.0530, 94.1369,<br>46.4345   |
| Hunter-Lab                          | 33.1691, 78.5697,<br>-147.2977 |

# Details

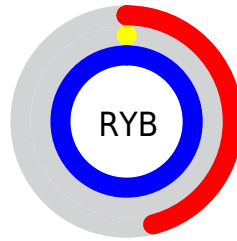
The Hex color **7500FF** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **8AFF00**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **B651FF**, and **2300C5** is the 20% darker color. If you saturate the color by 10%, you get **7500FF**, and if you desaturate by 10%, it is **8319FF**.

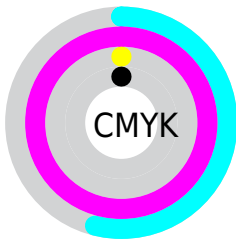
# Distribution



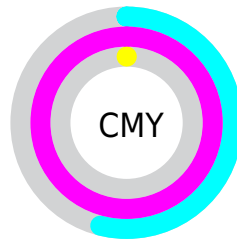
- Red (46%)
- Green (0%)
- Blue (100%)



- Red (46%)
- Yellow (0%)
- Blue (100%)



- Cyan (54%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (100%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7500FF 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 7500FF by changing the saturation by 10% instead.



 7500FF

 7500FF

FFFFFF

 5100E1

 B651FF

 2300C5

 D66EFF

 0000A8

 F68BFF

 00008D

 FFA8FF

 000072

 FFC5FF

 000C58

 FFE2FF

 000740

 000329

 000113

 7500FF

 8319FF

 9133FF

 9E4DFF

 AC66FF

 BA80FF

 C899FF

 D6B3FF

 E3CCFF

 F1E6FF

# Harmonies

## Analogous

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



0066FF



7500FF



E600A4

# Triad

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



7500FF



A53A00



007D82

# Complementary

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



7500FF



8AFF00

# 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.



007A04



7500FF



4F6600

# Square

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



7500FF



E20000



007500



0080E6

# Rectangle

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



7500FF



FD0060



007500



007C5E



# Sweetspot

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



7500FF



D6B3FF



008CFF



675280



000000



808080



# Same Dimension

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



7500FF



F200FF



797380



5800BF



1D0040

# Inverse Universe

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



FF008A



0DFF00



80737A



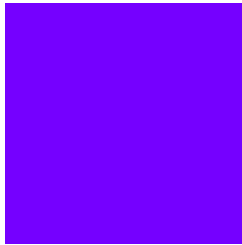
BF0067



400022

# Previews

## White Background



This preview shows how the Hex color 7500FF looks on a white background.

## Color Contrast Check

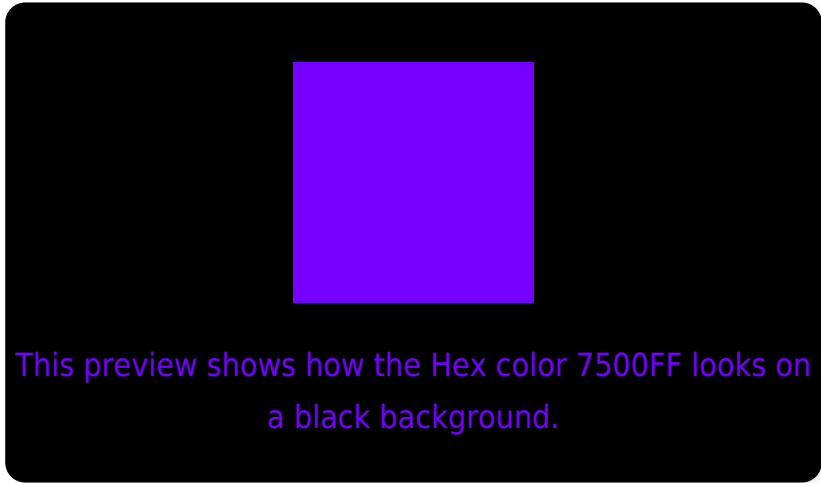
Large Text (above 18pt) WCAG AA ✓ Pass

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

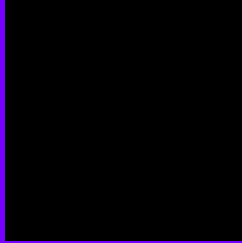
Any Text WCAG AA × Fail

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 7500FF Background



This preview shows how black text looks on a background with the Hex color 7500FF.



This preview shows how white text looks on a background with the Hex color 7500FF.

# 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**  
7500FF

**Protanopia**  
005BBF

**Deuteranopia**  
0061A3





**Tritanopia**  
44636B

# Trichromacy



**Original Color**

7500FF



**Protanomaly**

2B3AD6



**Deuteranomaly**

2B3EC4



**Tritanomaly**

563FA1

# Monochromacy



**Original Color**

7500FF



**Achromatopsia**

404040



**Achromatomaly**

532985

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7500FF 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 #7500FF looks like.

```
.text, #text, p{  
    color:#7500FF  
}
```

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 #7500FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7500FF
}
```

## Border

The CSS property to change the border of an element to Hex 7500FF 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".

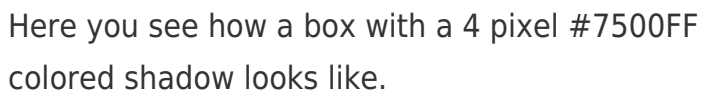
```
.border, #border, table{ border:4px solid
#7500FF }
```

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

```
.border{ border-color:#7500FF }
```

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

Here you see how a box with a 4 pixel #7500FF colored shadow looks like.

A rectangular box with a thick purple border and a purple shadow. The box is white with a purple border and a purple shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7500FF; -webkit-box-shadow:4px 4px  
4px 4px #7500FF; box-shadow:4px 4px 4px  
4px #7500FF }
```

# Background

The CSS property to change the background color of an element to Hex 7500FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7500FF }
```

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

```
.background{ background-color:#7500FF }
```

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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