

Converting Colors

Hex(6700FF)

Have a look what the booklet for
Hex(6700FF) contains.

Hex(6700FF)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

Hex(6700FF)

Conversions

Conversions Part 1

Format	Color
Hex	6700FF
RGB	103, 0, 255
RGB Percent	40%, 0%, 100%
CMY	0.5961, 1.0000, 0.0000
CMYK	0.60, 1.00, 0.00, 0.00
HSL	264°, 100%, 50%
HSV	264°, 100%, 100%
XYZ	23.6435, 10.1036, 95.3118
YIQ	59.8670, -20.4670, 101.1410

Conversions

Conversions Part 2

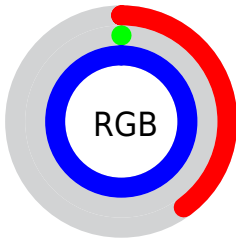
Format	Color
RYB	103, 0, 255
Decimal	6750463
CIELab	38.03, 81.58, -98.17
CIElCh	38, 127.641, 309.727
Yxy	10.1036, 0.1832, 0.0783
Android (android.graphics.Color)	4284940543 (0xFF6700FF)
YUV	59.8670, 96.2006, 37.8276
Hunter-Lab	31.7861, 77.1483, -155.5329

Details

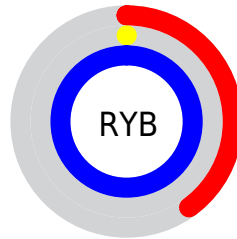
The Hex color **6700FF** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **98FF00**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **AA4FFF**, and **0000C4** is the 20% darker color. If you saturate the color by 10%, you get **6700FF**, and if you desaturate by 10%, it is **7619FF**.

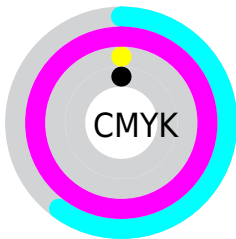
Distribution



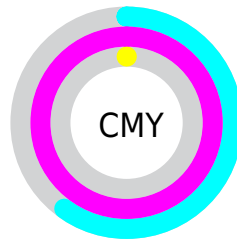
- Red (40%)
- Green (0%)
- Blue (100%)



- Red (40%)
- Yellow (0%)
- Blue (100%)



- Cyan (60%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Hex color 6700FF 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 6700FF by changing the saturation by 10% instead.

 6700FF

 6700FF

FFFFFF

 3F00E1

 AA4FFF

 0000C4

 CB6CFF

 0000A8

 EB89FF

 00008D

 FFA5FF

 000072

 FFC2FF

 000C58

 FFDFFF

 000740

 FFFDFF

 000329

 000113

 6700FF

 7619FF

 8533FF

 954DFF

 A466FF

 B380FF

 C299FF

 D1B3FF

 E1CCFF

 F0E6FF

Harmonies

Analogous

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



0064FF



6700FF



E000A4

Triad

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



6700FF



A43300



00787B

Complementary

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



6700FF



98FF00

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.



007500



6700FF



4F6100

Square

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



6700FF



DF0000



007100



007CE0

Rectangle

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



6700FF



F90060



007100



007756

Sweetspot

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



6700FF



D1B3FF



0099FF



645280



000000



808080

Same Dimension

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



6700FF



E600FF



787380



4D00BF



1A0040

Inverse Universe

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



FF0098



1AFF00



80737A



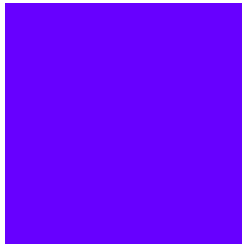
BF0072



400026

Previews

White Background



This preview shows how the Hex color 6700FF looks on a white background.

Color Contrast Check

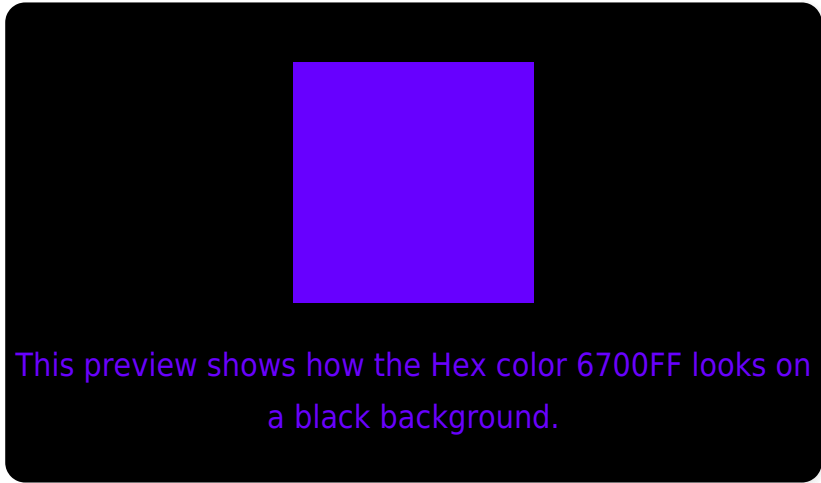
Large Text (above 18pt) WCAG AA ✓ Pass

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

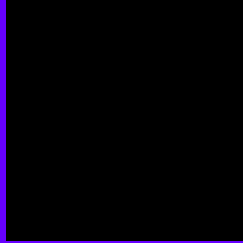
Any Text WCAG AA × Fail

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 6700FF Background



This preview shows how black text looks on a background with the Hex color 6700FF.

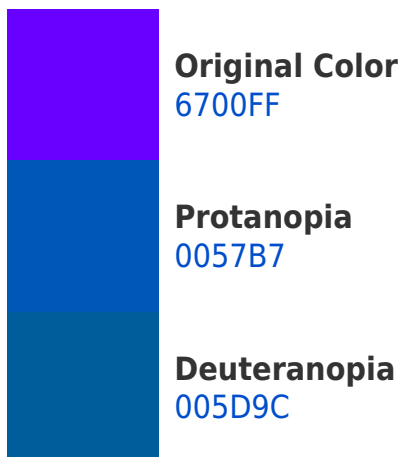


This preview shows how white text looks on a background with the Hex color 6700FF.

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
22636B

Trichromacy



Original Color
6700FF



Protanomaly
2537D1



Deuteranomaly
253BC0



Tritanomaly
3B3FA1

Monochromacy



Original Color
6700FF



Achromatopsia
3C3C3C



Achromatomaly
4C2683

CSS Examples

Text

The CSS property to change the color of the text to Hex 6700FF 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 #6700FF looks like.

```
.text, #text, p{  
    color:#6700FF  
}
```

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 #6700FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6700FF
}
```

Border

The CSS property to change the border of an element to Hex 6700FF is called "border". The border property can be set on classes, ids or directly on the HTML element.

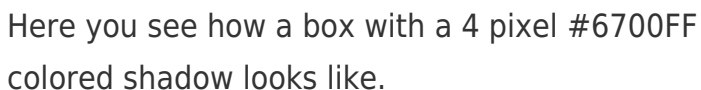
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#6700FF }
```

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

```
.border{ border-color:#6700FF }
```

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



Here you see how a box with a 4 pixel #6700FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6700FF; -webkit-box-shadow:4px 4px  
4px 4px #6700FF; box-shadow:4px 4px 4px  
4px #6700FF }
```

Background

The CSS property to change the background color of an element to Hex 6700FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6700FF }
```

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

```
.background{ background-color:#6700FF }
```

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