

# Converting Colors

Hex(6D00E3)

Have a look what the booklet for  
Hex(6D00E3) contains.

<b>Hex(6D00E3)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(6D00E3)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6D00E3
RGB	109, 0, 227
RGB Percent	43%, 0%, 89%
CMY	0.5725, 1.0000, 0.1098
CMYK	0.52, 1.00, 0.00, 0.11
HSL	269°, 100%, 45%
HSV	269°, 100%, 89%
XYZ	20.1718, 8.7973, 73.3079
YIQ	58.4690, -7.9030, 93.7050

# Conversions

## Conversions Part 2

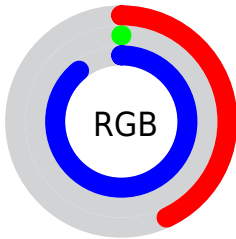
Format	Color
<b>RYB</b>	109, 0, 227
Decimal	7143651
CIELab	35.59, 75.87, -86.34
CIELCh	36, 114.939, 311.306
Yxy	8.7973, 0.1972, 0.0860
Android (android.graphics.Color)	4285333731 (0xFF6D00E3)
YUV	58.4690, 83.0858, 44.3157
Hunter-Lab	29.6602, 69.4920, -125.7787

# Details

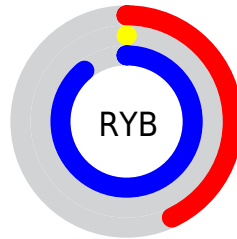
The Hex color **6D00E3** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **76E300**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **AC4DFF**, and **2000AA** is the 20% darker color. If you saturate the color by 10%, you get **6D00E3**, and if you desaturate by 10%, it is **7917E3**.

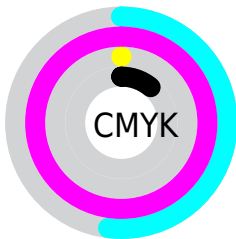
# Distribution



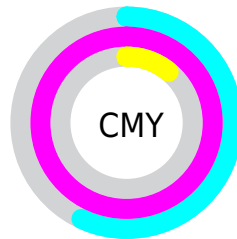
- Red (43%)
- Green (0%)
- Blue (89%)



- Red (43%)
- Yellow (0%)
- Blue (89%)



- Cyan (52%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)





- Cyan (57%)
- Magenta (100%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6D00E3 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 6D00E3 by changing the saturation by 10% instead.



 6D00E3	 6D00E3
 FFFFFFFF	 4B00C6
 AC4DFF	 2000AA
 CB6AFF	 00008E
 EA86FF	 000074
 FFA2FF	 00025A
 FFBFFF	 000741
 FFD0FF	 00032A
 FFFAFF	 000114
	 000000

 6D00E3

 7917E3

 852DE3

 9044E3

 9C5BE3

 A872E3

 B488E3

 C09FE3

 CBB6E3

 D7CCE3

# Harmonies

## Analogous

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



005AFF



6D00E3



CF0091

# Triad

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



6D00E3



933600



007076

# Complementary

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



6D00E3



76E300

# 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.



006E0A



6D00E3



465C00

# Square

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



6D00E3



CA0000



006900



0073CF

# Rectangle

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



6D00E3



E30055



006900



006F56



# Sweetspot

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



6D00E3



D7B3FF



0079E3



685280



000000



808080



# Same Dimension

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



6D00E3



7A00FF



DB00E3



6D6773



5600B3



180033



# Inverse Universe

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



E30076



FF0085



08E300



73676D



B3005D

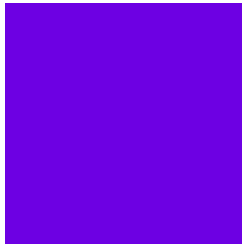


33001B



# Previews

## White Background



This preview shows how the Hex color 6D00E3 looks on a white background.

## Color Contrast Check

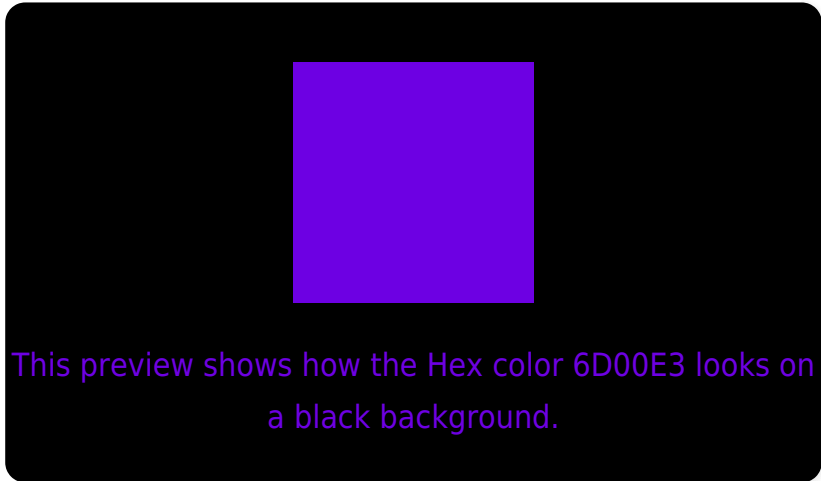
Large Text (above 18pt) WCAG AA ✓ Pass

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

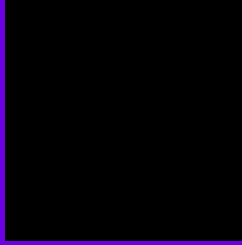
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 6D00E3 Background



This preview shows how black text looks on a background with the Hex color 6D00E3.



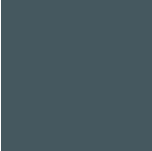
This preview shows how white text looks on a background with the Hex color 6D00E3.

# 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**  
45585F

# Trichromacy



**Original Color**  
6D00E3



**Protanomaly**  
2834C1



**Deuteranomaly**  
2838B1



**Tritanomaly**  
54388F

# Monochromacy



**Original Color**  
6D00E3



**Achromatopsia**  
3A3A3A



**Achromatomaly**  
4D2577

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6D00E3 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 #6D00E3 looks like.

```
.text, #text, p{  
    color:#6D00E3  
}
```

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 #6D00E3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6D00E3
}
```

## Border

The CSS property to change the border of an element to Hex 6D00E3 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".

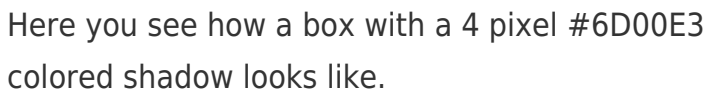
```
.border, #border, table{ border:4px solid
#6D00E3 }
```

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

```
.border{ border-color:#6D00E3 }
```

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

Here you see how a box with a 4 pixel #6D00E3 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 #6D00E3; -webkit-box-shadow:4px 4px  
4px 4px #6D00E3; box-shadow:4px 4px 4px  
4px #6D00E3 }
```

# Background

The CSS property to change the background color of an element to Hex 6D00E3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6D00E3 }
```

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

```
.background{ background-color:#6D00E3 }
```

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**