

# Converting Colors

Hex(5D00DB)

Have a look what the booklet for  
Hex(5D00DB) contains.

<b>Hex(5D00DB)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(5D00DB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5D00DB
RGB	93, 0, 219
RGB Percent	36%, 0%, 86%
CMY	0.6353, 1.0000, 0.1412
CMYK	0.58, 1.00, 0.00, 0.14
HSL	265°, 100%, 43%
HSV	265°, 100%, 86%
XYZ	17.3004, 7.4416, 67.5424
YIQ	52.7730, -14.8710, 87.8250

# Conversions

## Conversions Part 2

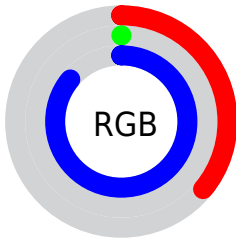
Format	Color
<a href="#">RYB</a>	<a href="#">93, 0, 219</a>
Decimal	<a href="#">6095067</a>
CIELab	<a href="#">32.79, 73.05, -86.45</a>
CIElCh	<a href="#">33, 113.180, 310.200</a>
Yxy	<a href="#">7.4416, 0.1875, 0.0806</a>
Android (android.graphics.Color)	<a href="#">4284285147</a> ( <a href="#">0xFF5D00DB</a> )
YUV	<a href="#">52.7730, 81.9499, 35.2791</a>
Hunter-Lab	<a href="#">27.2793, 65.4647, -127.7037</a>

# Details

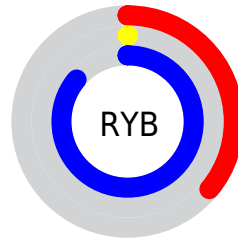
The Hex color **5D00DB** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **7EDB00**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **9D4AFF**, and **0000A2** is the 20% darker color. If you saturate the color by 10%, you get **5D00DB**, and if you desaturate by 10%, it is **6A16DB**.

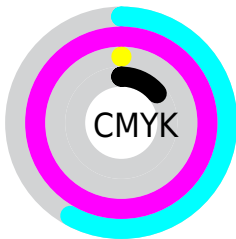
# Distribution



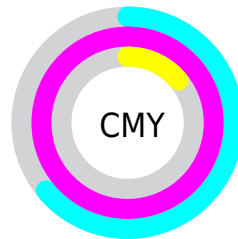
- Red (36%)
- Green (0%)
- Blue (86%)



- Red (36%)
- Yellow (0%)
- Blue (86%)



- Cyan (58%)
- Magenta (100%)
- Yellow (0%)
- Black (14%)



- Cyan (64%)
- Magenta (100%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5D00DB 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 5D00DB by changing the saturation by 10% instead.



 5D00DB

 5D00DB

FFFFFF

 3800BE

 9D4AFF

 0000A2

 BC66FF

 000087

 DB81FF

 00006D

 FB9EFF

 000B53

 FFBAFF

 00063B

 FFD7FF

 000224

 FFF4FF

 00000C

 000000

 5D00DB

 6A16DB

 762CDB

 8342DB

 8F58DB

 9C6EDB

 A983DB

 B599DB

 C2AFDB

 CEC5DB

# Harmonies

## Analogous

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



0055FF



5D00DB



C3008C

# Triad

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



5D00DB



8D2D00



00686B

# Complementary

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



5D00DB



7EDB00

# 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.



006600



5D00DB



435400

# Square

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



5D00DB



C00000



006100



006BC3

# Rectangle

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



5D00DB



D70052



006100



00674C



# Sweetspot

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



5D00DB



D3B3FF



0080DB



655280



000000



808080



# Same Dimension

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



5D00DB



6C00FF



C900DB



67636E



4A00AD



13002E



# Inverse Universe

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



DB007E



FF0093



12DB00



6E6369



AD0064

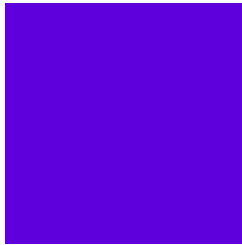


2E001A



# Previews

## White Background



This preview shows how the Hex color 5D00DB looks on a white background.

## Color Contrast Check

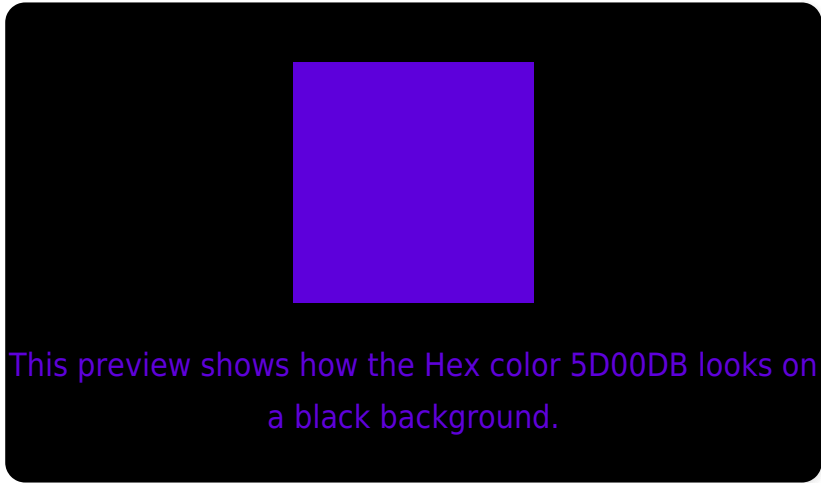
Large Text (above 18pt) WCAG AA ✓ Pass

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

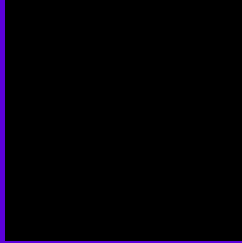
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5D00DB Background



This preview shows how black text looks on a background with the Hex color 5D00DB.



This preview shows how white text looks on a background with the Hex color 5D00DB.

# 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**  
5D00DB

**Protanopia**  
004CA0

**Deuteranopia**  
005188



# Trichromacy



**Original Color**  
5D00DB



**Protanomaly**  
2230B5



**Deuteranomaly**  
2234A6



**Tritanomaly**  
3D368A

# Monochromacy



**Original Color**  
5D00DB



**Achromatopsia**  
353535



**Achromatomaly**  
442271

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5D00DB 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 #5D00DB looks like.

```
.text, #text, p{  
    color:#5D00DB  
}
```

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 #5D00DB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5D00DB
}
```

## Border

The CSS property to change the border of an element to Hex 5D00DB 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".

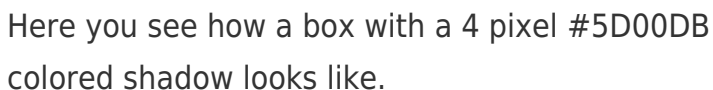
```
.border, #border, table{ border:4px solid
#5D00DB }
```

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

```
.border{ border-color:#5D00DB }
```

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

Here you see how a box with a 4 pixel #5D00DB 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, 4px blur, 4px spread, and #5D00DB color.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5D00DB; -webkit-box-shadow:4px 4px  
4px 4px #5D00DB; box-shadow:4px 4px 4px  
4px #5D00DB }
```

# Background

The CSS property to change the background color of an element to Hex 5D00DB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5D00DB }
```

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

```
.background{ background-color:#5D00DB }
```

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**