

# Converting Colors

Hex(513DB8)

Have a look what the booklet for  
Hex(513DB8) contains.

<b>Hex(513DB8)</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(513DB8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	513DB8
RGB	81, 61, 184
RGB Percent	32%, 24%, 72%
CMY	0.6824, 0.7608, 0.2784
CMYK	0.56, 0.67, 0.00, 0.28
HSL	250°, 50%, 48%
HSV	250°, 67%, 72%
XYZ	13.7138, 8.5475, 46.2744
YIQ	81.0020, -27.5630, 42.4930

# Conversions

## Conversions Part 2

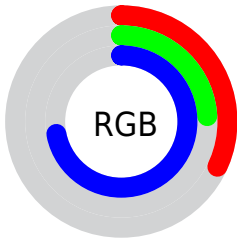
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	81, 61, 184
Decimal	5324216
CIE <sub>Lab</sub>	35.10, 42.00, -62.27
CIE <sub>LCh</sub>	35, 75.107, 303.997
Yxy	8.5475, 0.2001, 0.1247
Android (android.graphics.Color)	4283514296 (0xFF513DB8)
YUV	81.0020, 50.7780, -0.0018
Hunter-Lab	29.2361, 32.5659, -73.3779

# Details

The Hex color **513DB8** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **A4B83D**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **8B6EF1**, and **000F82** is the 20% darker color. If you saturate the color by 10%, you get **422BB8**, and if you desaturate by 10%, it is **604FB8**.

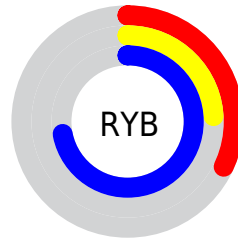
# Distribution



Red (32%)

Green (24%)

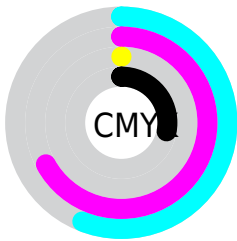
Blue (72%)



Red (32%)

Yellow (24%)

Blue (72%)

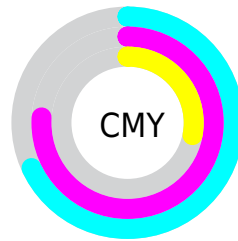


Cyan (56%)

Magenta (67%)

Yellow (0%)

Black (28%)



Cyan (68%)

Magenta (76%)

Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 513DB8 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 513DB8 by changing the saturation by 10% instead.



 513DB8

 513DB8


FFFFFF

 31269D


 8B6EF1

 000F82

 A888FF

 000068

 C6A2FF

 00004F

 E3BEFF

 000537

 FFDAFF


 000221

 FFF6FF

 000005

 000000

 513DB8

 513DB8

■ 422BB8

■ 604FB8

■ 3218B8

■ 7062B8

■ 2306B8

■ 7F74B8

■ 1E00B8

■ 8F87B8

■ 9E99B8

■ ADABB8

■ BDBEB8

■ CCD0B8

■ DCE3B8

# Harmonies

## Analogous

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



0059CD



513DB8



9D0088

# Triad

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



513DB8



8E3900



006959

# Complementary

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



513DB8



A4B83D

# 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.



006716



513DB8



5F5300

# Square

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



513DB8



AD0012



166100



006A95

# Rectangle

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



513DB8



B10061



166100



006944



# Sweetspot

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



513DB8



C8C0F0



3DA6B8



605B78



F7F7F7



787878



# Same Dimension

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



513DB8



4F30F0



8D3DB8



54535C



19009C



05001C



# Inverse Universe

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



B83DA4



F030D1



68B83D



5C535A



9C0082

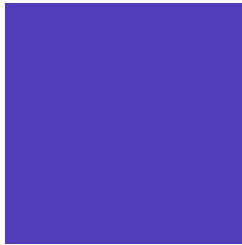


1C0017



# Previews

## White Background



This preview shows how the Hex color 513DB8 looks on a white background.

## Color Contrast Check

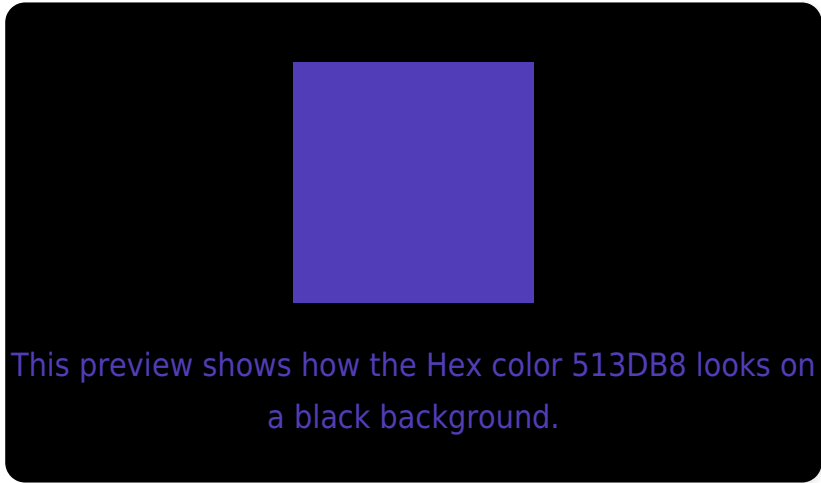
Large Text (above 18pt) WCAG AA ✓ Pass

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

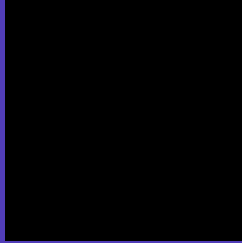
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 513DB8 Background



This preview shows how black text looks on a background with the Hex color 513DB8.

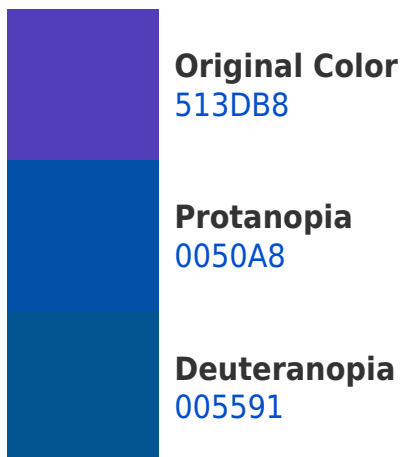


This preview shows how white text looks on a background with the Hex color 513DB8.

# 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**  
305960

# Trichromacy



**Original Color**  
513DB8



**Protanomaly**  
1D49AE



**Deuteranomaly**  
1D4C9F



**Tritanomaly**  
3C4F80

# Monochromacy



**Original Color**  
513DB8



**Achromatopsia**  
515151



**Achromatomaly**  
514A76

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 513DB8 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 #513DB8 looks like.

```
.text, #text, p{  
    color:#513DB8  
}
```

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 #513DB8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #513DB8
}
```

## Border

The CSS property to change the border of an element to Hex 513DB8 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
#513DB8 }
```

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

```
.border{ border-color:#513DB8 }
```

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

Here you see how a box with a 4 pixel #513DB8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #513DB8; -webkit-box-shadow:4px 4px  
4px 4px #513DB8; box-shadow:4px 4px 4px  
4px #513DB8 }
```

# Background

The CSS property to change the background color of an element to Hex 513DB8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#513DB8 }
```

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

```
.background{ background-color:#513DB8 }
```

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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