

# Converting Colors

Hex(502B9A)

Have a look what the booklet for  
Hex(502B9A) contains.

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# Color

**Hex(502B9A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	502B9A
RGB	80, 43, 154
RGB Percent	31%, 17%, 60%
CMY	0.6863, 0.8314, 0.3961
CMYK	0.48, 0.72, 0.00, 0.40
HSL	260°, 56%, 39%
HSV	260°, 72%, 60%
XYZ	10.0049, 5.7663, 31.1575
YIQ	66.7170, -13.5790, 42.3650

# Conversions

## Conversions Part 2

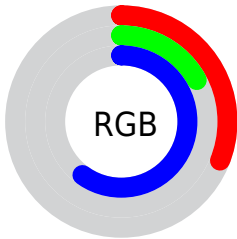
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	80, 43, 154
Decimal	5254042
CIE <sub>Lab</sub>	28.82, 42.91, -54.53
CIE <sub>LCh</sub>	29, 69.388, 308.203
Yxy	5.7663, 0.2132, 0.1229
Android (android.graphics.Color)	4283444122 (0xFF502B9A)
YUV	66.7170, 43.0305, 11.6492
Hunter-Lab	24.0132, 32.3474, -60.1207

# Details

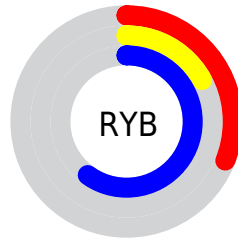
The Hex color **502B9A** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **759A2B**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **885CD1**, and **100066** is the 20% darker color. If you saturate the color by 10%, you get **461C9A**, and if you desaturate by 10%, it is **5A3A9A**.

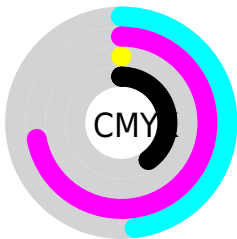
# Distribution



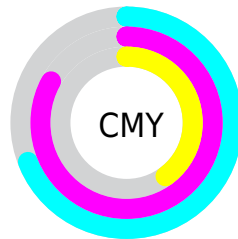
- Red (31%)
- Green (17%)
- Blue (60%)



- Red (31%)
- Yellow (17%)
- Blue (60%)



- Cyan (48%)
- Magenta (72%)
- Yellow (0%)
- Black (40%)



- Cyan (69%)
- Magenta (83%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 502B9A 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 502B9A by changing the saturation by 10% instead.



■ 502B9A

■ 502B9A

FFFFFF

■ 33127F

■ 885CD1

■ 100066

■ A475EE

■ 00004D

■ C08FFF

■ 000535

■ DEAAFF

■ 00021F

■ FBC6FF

■ 000002

■ FFE2FF

■ 000000

■ 502B9A

■ 502B9A

■ 461C9A

■ 5A3A9A

■ 3B0C9A

■ 654A9A

■ 33009A

■ 6F599A

■ 79699A

■ 83789A

■ 8E879A

■ 98979A

■ A2A69A

■ ACB69A

# Harmonies

## Analogous

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



0048B1



502B9A



8B006D

# Triad

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



502B9A



733100



005852

# Complementary

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



502B9A



759A2B

# 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.



005617



502B9A



474700

# Square

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



502B9A



910000



005100



005886

# Rectangle

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



502B9A



9A004A



005100



00583F



# Sweetspot

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



502B9A



AC9DC9



2B759A



544B66



E6E6E6



666666



# Same Dimension

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



502B9A



561CC9



882B9A



47454D



2F008C



04000D



# Inverse Universe

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



9A2B75



C91C90



3D9A2B



4D454A



8C005D

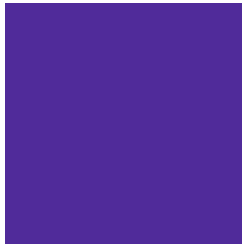


0D0008



# Previews

## White Background



This preview shows how the Hex color 502B9A looks on a white background.

## Color Contrast Check

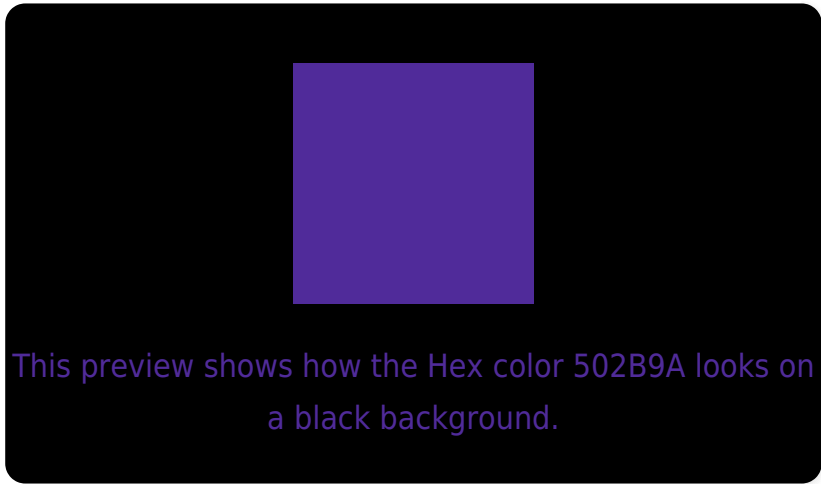
Large Text (above 18pt) WCAG AA ✓ Pass

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

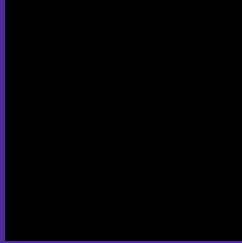
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 502B9A Background



This preview shows how black text looks on a background with the Hex color 502B9A.

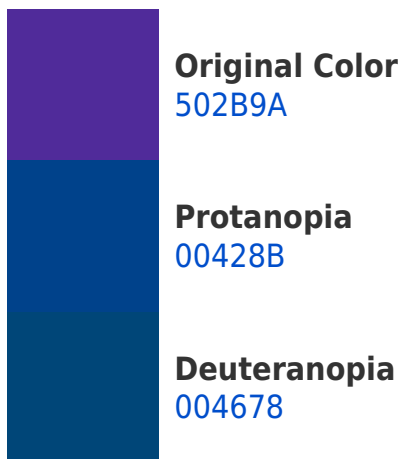



This preview shows how white text looks on a background with the Hex color 502B9A.

# 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**  
3B464C

# Trichromacy



**Original Color**  
502B9A

**Protanomaly**  
1D3A90

**Deuteranomaly**  
1D3C84

**Tritanomaly**  
433C68

# Monochromacy



**Original Color**  
502B9A

**Achromatopsia**  
434343

**Achromatomaly**  
483A63

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 502B9A 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 #502B9A looks like.

```
.text, #text, p{  
    color:#502B9A  
}
```

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 #502B9A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #502B9A
}
```

## Border

The CSS property to change the border of an element to Hex 502B9A 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
#502B9A }
```

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

```
.border{ border-color:#502B9A }
```

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

Here you see how a box with a 4 pixel #502B9A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #502B9A; -webkit-box-shadow:4px 4px  
4px 4px #502B9A; box-shadow:4px 4px 4px  
4px #502B9A }
```

# Background

The CSS property to change the background color of an element to Hex 502B9A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#502B9A }
```

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

```
.background{ background-color:#502B9A }
```

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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