

# Converting Colors

Hex(500790)

Have a look what the booklet for  
Hex(500790) contains.

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# Color

**Hex(500790)**

# Conversions

## Conversions Part 1

Format	Color
Hex	500790
RGB	80, 7, 144
RGB Percent	31%, 3%, 56%
CMY	0.6863, 0.9725, 0.4353
CMYK	0.44, 0.95, 0.00, 0.44
HSL	272°, 91%, 30%
HSV	272°, 95%, 56%
XYZ	8.4183, 3.8710, 26.6891
YIQ	44.4450, -0.4690, 58.0830

# Conversions

## Conversions Part 2

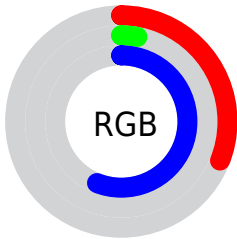
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	80, 7, 144
Decimal	5244816
CIE <sub>Lab</sub>	23.24, 53.74, -57.51
CIE <sub>LCh</sub>	23, 78.709, 313.057
Yxy	3.8710, 0.2160, 0.0993
Android (android.graphics.Color)	4283434896 (0xFF500790)
YUV	44.4450, 49.0806, 31.1817
Hunter-Lab	19.6750, 41.9432, -66.6542

# Details

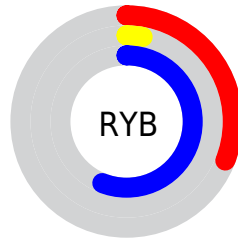
The Hex color **500790** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **479007**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **8842C7**, and **14005C** is the 20% darker color. If you saturate the color by 10%, you get **4D0090**, and if you desaturate by 10%, it is **571590**.

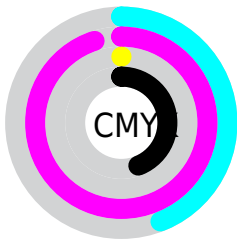
# Distribution



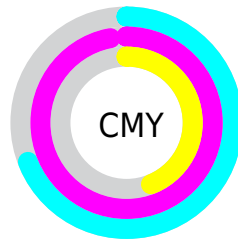
- Red (31%)
- Green (3%)
- Blue (56%)



- Red (31%)
- Yellow (3%)
- Blue (56%)



- Cyan (44%)
- Magenta (95%)
- Yellow (0%)
- Black (44%)



- Cyan (69%)
- Magenta (97%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 500790 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 500790 by changing the saturation by 10% instead.



500790

500790

FFFFFF

330076

8842C7

14005C

A55DE3

000044

C177FF

00032C

DF92FF

000117

FCADFF

000000

FFC9FF

FFE6FF

500790

500790

■ 4D0090

■ 571590

■ 5D2490

■ 643290

■ 6B4190

■ 724F90

■ 785D90

■ 7F6C90

■ 867A90

■ 8D8990

# Harmonies

## Analogous

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



0039AF



500790



89005B

# Triad

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



500790



5F2700



004B51

# Complementary

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



500790



479007

# 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.



004910



500790



2D3D00

# Square

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



500790



830000



004600



004C89

# Rectangle

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



500790



940035



004600



004B3C



# Sweetspot

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



500790



A184BA



074990



4F3D5E



DEDEDE



5E5E5E



# Same Dimension

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



500790



6300BA



90078E



444047



480087



040008



# Inverse Universe

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



900747



BA0057



079009



474044



87003F

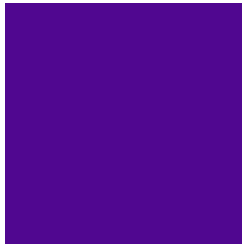


080004



# Previews

## White Background



This preview shows how the Hex color 500790 looks on a white background.

## Color Contrast Check

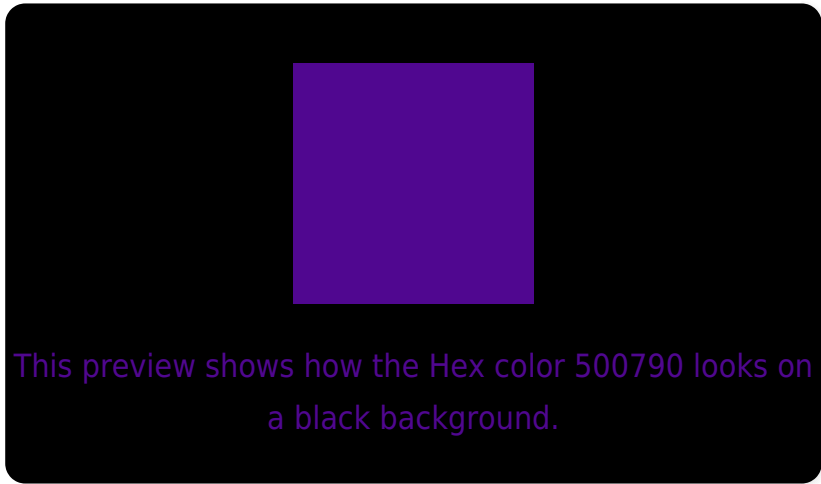
Large Text (above 18pt) WCAG AA ✓ Pass

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

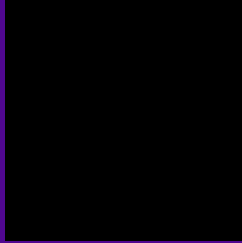
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 500790 Background



This preview shows how black text looks on a background with the Hex color 500790.



This preview shows how white text looks on a background with the Hex color 500790.

# 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**  
500790

**Protanopia**  
003875

**Deuteranopia**  
003B65



**Tritanopia**  
3C383D

# Trichromacy



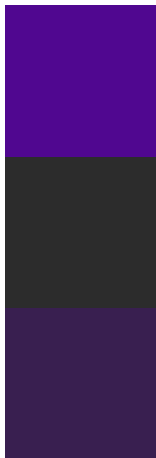
**Original Color**  
500790

**Protanomaly**  
1D267F

**Deuteranomaly**  
1D2875

**Tritanomaly**  
43265B

# Monochromacy



**Original Color**  
500790

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
391F50

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 500790 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 #500790 looks like.

```
.text, #text, p{  
    color:#500790  
}
```

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 #500790 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #500790
}
```

## Border

The CSS property to change the border of an element to Hex 500790 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
#500790 }
```

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

```
.border{ border-color:#500790 }
```

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

Here you see how a box with a 4 pixel #500790 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #500790; -webkit-box-shadow:4px 4px  
4px 4px #500790; box-shadow:4px 4px 4px  
4px #500790 }
```

# Background

The CSS property to change the background color of an element to Hex 500790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#500790 }
```

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

```
.background{ background-color:#500790 }
```

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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