

# Converting Colors

Hex(405B96)

Have a look what the booklet for  
Hex(405B96) contains.

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# Color

Hex(405B96)

# Conversions

## Conversions Part 1

Format	Color
Hex	405B96
RGB	64, 91, 150
RGB Percent	25%, 36%, 59%
CMY	0.7490, 0.6431, 0.4118
CMYK	0.57, 0.39, 0.00, 0.41
HSL	221°, 40%, 42%
HSV	221°, 57%, 59%
XYZ	11.3605, 10.7742, 30.3350
YIQ	89.6530, -35.0310, 12.6250

# Conversions

## Conversions Part 2

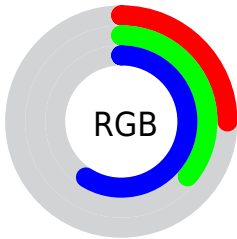
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	64, 85, 150
Decimal	4217750
CIE <sub>Lab</sub>	39.20, 8.37, -35.46
CIE <sub>LCh</sub>	39, 36.432, 283.290
Yxy	10.7742, 0.2165, 0.2053
Android (android.graphics.Color)	4282407830 (0xFF405B96)
YUV	89.6530, 29.7511, -22.4977
Hunter-Lab	32.8240, 4.3371, -31.8173

# Details

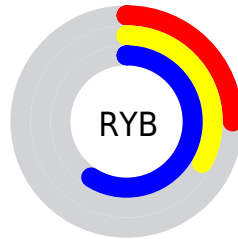
The Hex color **405B96** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **967B40**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **768DCD**, and **002E63** is the 20% darker color. If you saturate the color by 10%, you get **315196**, and if you desaturate by 10%, it is **4F6596**.

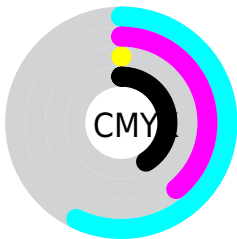
# Distribution



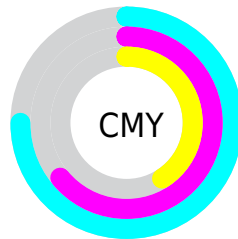
- Red (25%)
- Green (36%)
- Blue (59%)



- Red (25%)
- Yellow (33%)
- Blue (59%)



- Cyan (57%)
- Magenta (39%)
- Yellow (0%)
- Black (41%)



- Cyan (75%)
- Magenta (64%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 405B96 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 405B96 by changing the saturation by 10% instead.



■ 405B96

■ 405B96

FFFFFF

■ 23447C

■ 768DCD

■ 002E63

■ 91A7E9

■ 001A4A

■ ADC2FF

■ 000134

■ CADEFF

■ 00021D

■ E7FBFF

■ 000000

■ 405B96

■ 405B96

■ 315196

■ 4F6596

■ 224696

■ 5E7096

■ 133C96

■ 6D7A96

■ 043296

■ 7C8496

■ 002F96

■ 8B8E96

■ 9A9996

■ A9A396

■ B8AD96

■ C7B896

# Harmonies

## Analogous

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



006495



405B96



6F4F88

# Triad

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



405B96



8D4A35



006A4A

# Complementary

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



405B96



967B40

# 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.



3F662F



405B96



7B5522

# Square

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



405B96



934250



605F1F



006B69

# Rectangle

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



405B96



834877



605F1F



206941



# Sweetspot

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



405B96



A1ABC2



40967B



4E5461



E0E0E0



616161



# Same Dimension

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



405B96



3C66C2



504096



43454A



002B8A



00030A



# Inverse Universe

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



96405B



C23C66



869640



4A4345



8A002B



0A0003



# Previews

## White Background



This preview shows how the Hex color 405B96 looks on a white background.

## Color Contrast Check

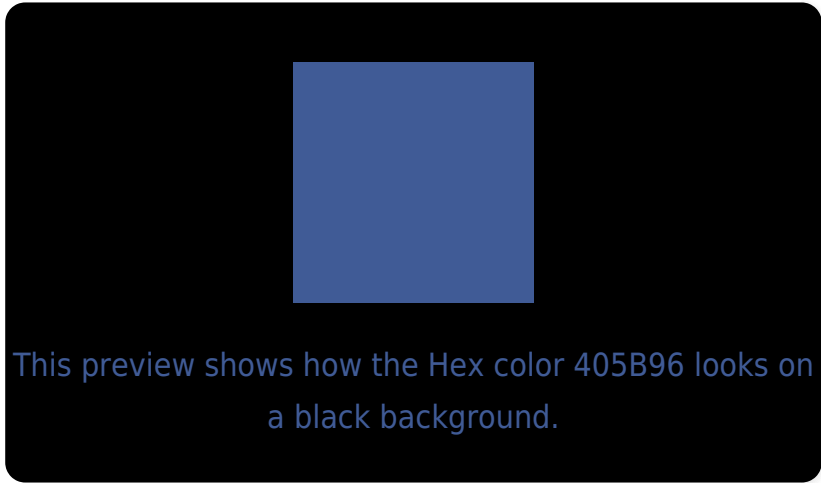
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 405B96 Background



This preview shows how black text looks on a background with the Hex color 405B96.



This preview shows how white text looks on a background with the Hex color 405B96.

# 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**


405B96

**Protanopia**

455A95

**Deuteranopia**

395C96



**Tritanopia**  
2F646C

# Trichromacy



**Original Color**  
405B96

**Protanomaly**  
435A95

**Deuteranomaly**  
3C5C96

**Tritanomaly**  
35617B

# Monochromacy



**Original Color**  
405B96

**Achromatopsia**  
5A5A5A

**Achromatomaly**  
515A70

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 405B96 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 #405B96 looks like.

```
.text, #text, p{  
    color:#405B96  
}
```

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 #405B96 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #405B96  
}
```

## Border

The CSS property to change the border of an element to Hex 405B96 is called "border". The border property can be set on classes, ids or directly on the HTML element.

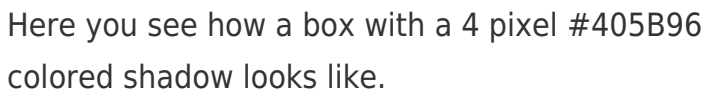
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#405B96 }
```

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

```
.border{ border-color:#405B96 }
```

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



Here you see how a box with a 4 pixel #405B96 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #405B96; -webkit-box-shadow:4px 4px  
4px 4px #405B96; box-shadow:4px 4px 4px  
4px #405B96 }
```

# Background

The CSS property to change the background color of an element to Hex 405B96 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#405B96 }
```

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

```
.background{ background-color:#405B96 }
```

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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