

# Converting Colors

Hex(437BB1)

Have a look what the booklet for  
Hex(437BB1) contains.

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# Color

**Hex(437BB1)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	437BB1
RGB	67, 123, 177
RGB Percent	26%, 48%, 69%
CMY	0.7373, 0.5176, 0.3059
CMYK	0.62, 0.31, 0.00, 0.31
HSL	209°, 45%, 48%
HSV	209°, 62%, 69%
XYZ	17.3335, 18.5335, 44.2587
YIQ	112.4120, -50.7100, 4.9220

# Conversions

## Conversions Part 2

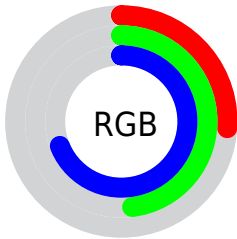
<b>Format</b>	<b>Color</b>
<b>RYB</b>	67, 104, 177
Decimal	4422577
CIELab	50.14, -1.53, -34.12
CIELCh	50, 34.158, 267.433
Yxy	18.5335, 0.2163, 0.2313
Android (android.graphics.Color)	4282612657 (0xFF437BB1)
YUV	112.4120, 31.8419, -39.8263
Hunter-Lab	43.0506, -3.4689, -30.8185

# Details

The Hex color **437BB1** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **B17943**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **7CAFE9**, and **004B7C** is the 20% darker color. If you saturate the color by 10%, you get **3172B1**, and if you desaturate by 10%, it is **5584B1**.

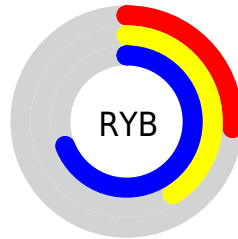
# Distribution



Red (26%)

Green (48%)

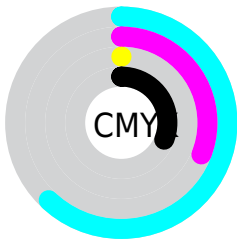
Blue (69%)



Red (26%)

Yellow (41%)

Blue (69%)

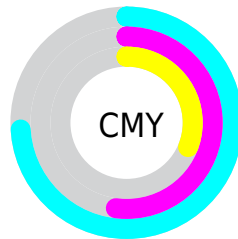


Cyan (62%)

Magenta (31%)

Yellow (0%)

Black (31%)



Cyan (74%)

Magenta (52%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 437BB1 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 437BB1 by changing the saturation by 10% instead.



■ 437BB1

■ 437BB1

FFFFFF

■ 226296

■ 7CAFE9

■ 004B7C

■ 99CBFF

■ 003463

■ B5E7FF

■ 00204B

■ D2FFFF

■ 000534

■ F0FFFF

■ 00021E

■ 000000

■ 437BB1

■ 437BB1

■ 3172B1

■ 5584B1

■ 206AB1

■ 668CB1

■ 0E61B1

■ 7895B1

■ 005AB1

■ 8A9EB1

■ 9CA6B1

■ ADAFB1

■ BFB8B1

■ D1C1B1

■ E2C9B1

# Harmonies

## Analogous

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



0082A8



437BB1



7671AB

# Triad

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



437BB1



AE625E



4B8357

# Complementary

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



437BB1



B17943

# 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.



6E7E42



437BB1



A26A47

# Square

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



437BB1



AC607B



8C753C



168674

# Rectangle

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



437BB1



8F699F



8C753C



58824F



# Sweetspot

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



437BB1



BAD0E6



43B178



586673



F2F2F2



737373



# Same Dimension

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



437BB1



3991E6



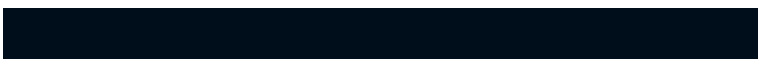
4345B1



505559



004E99



000D1A



# Inverse Universe

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



B1437B



E63991



B1AF43



595055



99004E



1A000D



# Previews

## White Background



This preview shows how the Hex color 437BB1 looks on a white background.

## Color Contrast Check

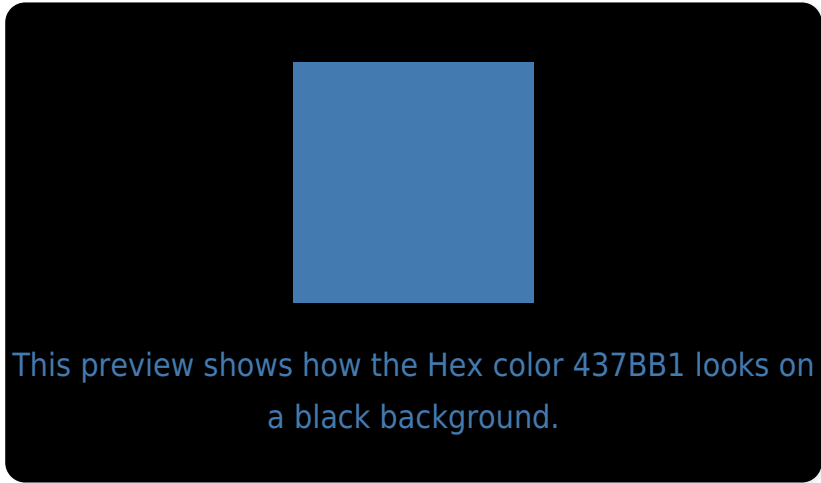
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



## Hex 437BB1 Background



This preview shows how black text looks on a background with the Hex color 437BB1.

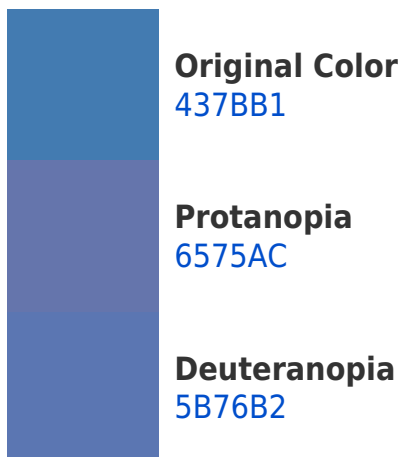



This preview shows how white text looks on a background with the Hex color 437BB1.

# 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](#).

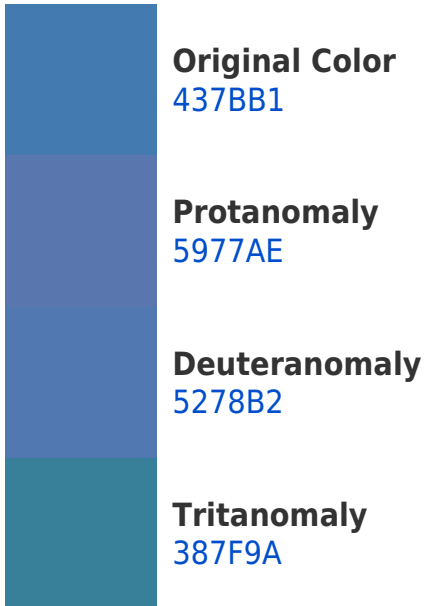
## Dichromacy



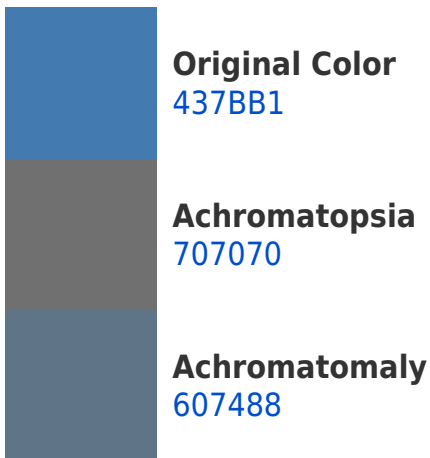


**Tritanopia**  
31828D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 437BB1 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 #437BB1 looks like.

```
.text, #text, p{  
    color:#437BB1  
}
```

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 #437BB1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #437BB1
}
```

## Border

The CSS property to change the border of an element to Hex 437BB1 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
#437BB1 }
```

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

```
.border{ border-color:#437BB1 }
```

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

Here you see how a box with a 4 pixel #437BB1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #437BB1; -webkit-box-shadow:4px 4px  
4px 4px #437BB1; box-shadow:4px 4px 4px  
4px #437BB1 }
```

# Background

The CSS property to change the background color of an element to Hex 437BB1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#437BB1 }
```

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

```
.background{ background-color:#437BB1 }
```

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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