

# Converting Colors

Hex(537BB1)

Have a look what the booklet for  
Hex(537BB1) contains.

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# Color

**Hex(537BB1)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	537BB1
RGB	83, 123, 177
RGB Percent	33%, 48%, 69%
CMY	0.6745, 0.5176, 0.3059
CMYK	0.53, 0.31, 0.00, 0.31
HSL	214°, 38%, 51%
HSV	214°, 53%, 69%
XYZ	18.5860, 19.1792, 44.3173
YIQ	117.1960, -41.1740, 8.3140

# Conversions

## Conversions Part 2

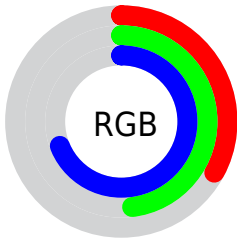
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	83, 111, 177
Decimal	5471153
CIE Lab	50.90, 1.87, -32.88
CIE LCh	51, 32.933, 273.253
Yxy	19.1792, 0.2264, 0.2337
Android (android.graphics.Color)	4283661233 (0xFF537BB1)
YUV	117.1960, 29.4834, -29.9899
Hunter-Lab	43.7941, -0.8850, -29.3425

# Details

The Hex color **537BB1** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **B18953**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **8AAFE9**, and **164B7C** is the 20% darker color. If you saturate the color by 10%, you get **4171B1**, and if you desaturate by 10%, it is **6585B1**.

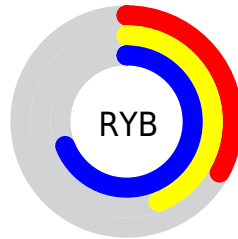
# Distribution



Red (33%)

Green (48%)

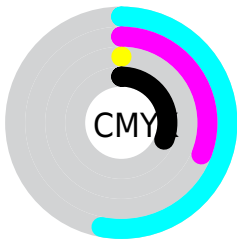
Blue (69%)



Red (33%)

Yellow (44%)

Blue (69%)

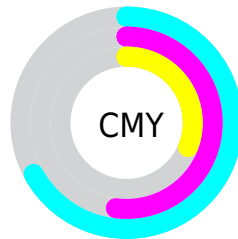


Cyan (53%)

Magenta (31%)

Yellow (0%)

Black (31%)



Cyan (67%)

Magenta (52%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 537BB1 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 537BB1 by changing the saturation by 10% instead.



■ 537BB1

■ 537BB1

FFFFFF

■ 376296

■ 8AAFE9

■ 164B7C

■ A6CBFF

■ 003463

■ C2E7FF

■ 00204B

■ DFFFFF

■ 000634

■ FDFFFF

■ 00021E

■ 000000

■ 537BB1

■ 537BB1

■ 4171B1

■ 6585B1

■ 3067B1

■ 768FB1

■ 1E5CB1

■ 889AB1

■ 0C52B1

■ 9AA4B1

■ 004BB1

■ ABAEB1

■ BDB8B1

■ CFC2B1

■ E1CCB1

■ F2D7B1

# Harmonies

## Analogous

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



0C83AB



537BB1



8071A8

# Triad

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



537BB1



AD665C



48865F

# Complementary

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



537BB1



B18953

# 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.



6B8149



537BB1



9F6F48

# Square

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



537BB1



AE6377



887940



13887B

# Rectangle

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



537BB1



966A9B



887940



548457



# Sweetspot

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



537BB1



C1D0E6



53B188



5D6673



F2F2F2



737373



# Same Dimension

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



537BB1



5391E6



5953B1



505459



004199



000B1A



# Inverse Universe

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



B1537B



E65391



ABB153



595054



990041



1A000B



# Previews

## White Background



This preview shows how the Hex color 537BB1 looks on a white background.

## Color Contrast Check

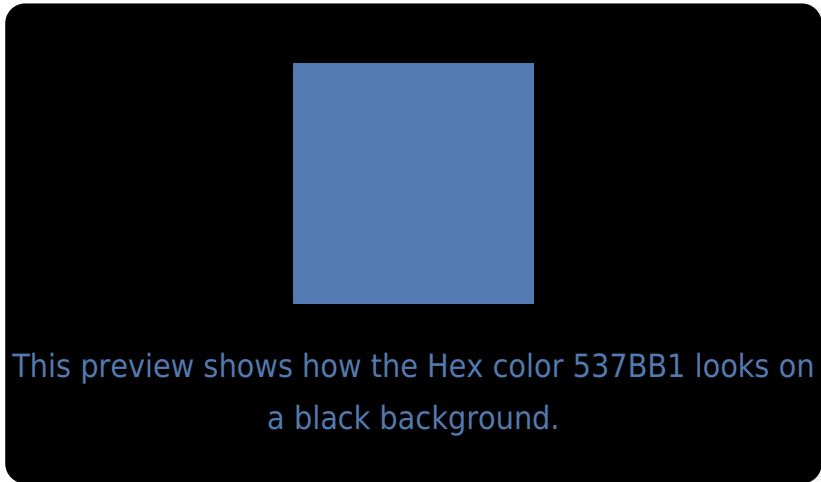
Large Text (above 18pt) WCAG AA ✓ Pass

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

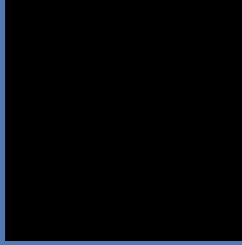
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 537BB1 Background



This preview shows how black text looks on a background with the Hex color 537BB1.




This preview shows how white text looks on a background with the Hex color 537BB1.

# 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](#).

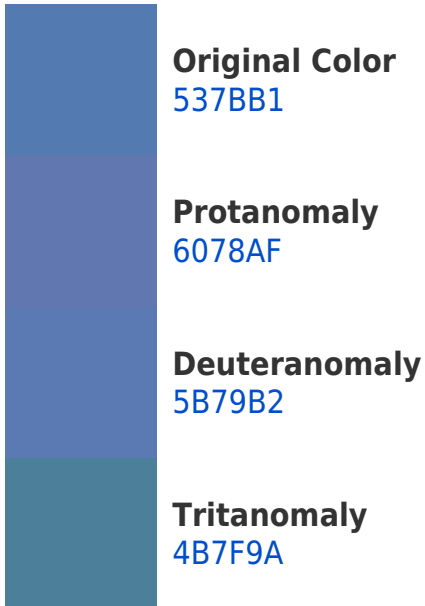
## Dichromacy



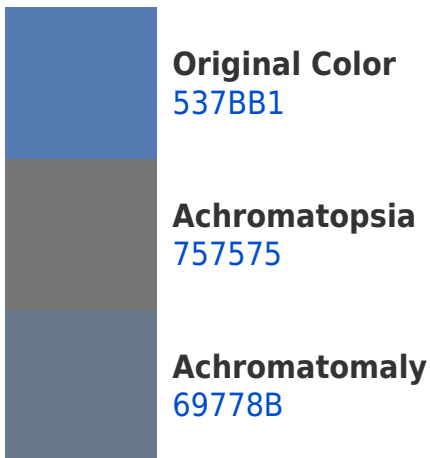


**Tritanopia**  
46828D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 537BB1 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 #537BB1 looks like.

```
.text, #text, p{  
    color:#537BB1  
}
```

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 #537BB1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #537BB1
}
```

## Border

The CSS property to change the border of an element to Hex 537BB1 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
#537BB1 }
```

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

```
.border{ border-color:#537BB1 }
```

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

Here you see how a box with a 4 pixel #537BB1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #537BB1; -webkit-box-shadow:4px 4px  
4px 4px #537BB1; box-shadow:4px 4px 4px  
4px #537BB1 }
```

# Background

The CSS property to change the background color of an element to Hex 537BB1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#537BB1 }
```

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

```
.background{ background-color:#537BB1 }
```

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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