

# Converting Colors

Hex(5676BB)

Have a look what the booklet for  
Hex(5676BB) contains.

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# Color

**Hex(5676BB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5676BB
RGB	86, 118, 187
RGB Percent	34%, 46%, 73%
CMY	0.6627, 0.5373, 0.2667
CMYK	0.54, 0.37, 0.00, 0.27
HSL	221°, 43%, 54%
HSV	221°, 54%, 73%
XYZ	19.2858, 18.5232, 49.5726
YIQ	116.2980, -41.2210, 14.6750

# Conversions

## Conversions Part 2

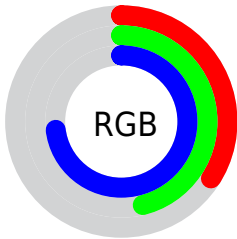
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	86, 110, 187
Decimal	5666491
CIE Lab	50.12, 8.79, -39.85
CIE LCh	50, 40.810, 282.442
Yxy	18.5232, 0.2207, 0.2120
Android (android.graphics.Color)	4283856571 (0xFF5676BB)
YUV	116.2980, 34.8561, -26.5713
Hunter-Lab	43.0385, 4.6695, -38.1643

# Details

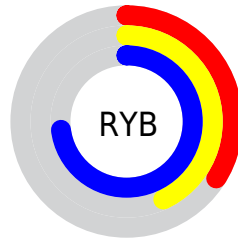
The Hex color **5676BB** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **BB9B56**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **8EAAF4**, and **174685** is the 20% darker color. If you saturate the color by 10%, you get **4369BB**, and if you desaturate by 10%, it is **6983BB**.

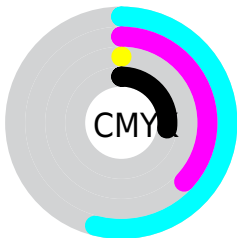
# Distribution



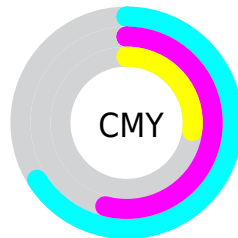
- Red (34%)
- Green (46%)
- Blue (73%)



- Red (34%)
- Yellow (43%)
- Blue (73%)



- Cyan (54%)
- Magenta (37%)
- Yellow (0%)
- Black (27%)



- Cyan (66%)
- Magenta (54%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5676BB 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 5676BB by changing the saturation by 10% instead.



■ 5676BB

■ 5676BB

FFFFFF

■ 395EA0

■ 8EAAF4

■ 174685

■ AAC5FF

■ 00306C

■ C7E1FF

■ 001C53

■ E4FDFF

■ 00003C

■ 000225

■ 00010D

■ 000000

■ 5676BB

■ 5676BB

■ 4369BB

■ 6983BB

■ 315CBB

■ 7B90BB

■ 1E50BB

■ 8E9CBB

■ 0B43BB

■ A1A9BB

■ 003BBB

■ B3B6BB

■ C6C3BB

■ D9CFBB

■ ECDCBB

■ FEE9BB

# Harmonies

## Analogous

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



0081B9



5676BB



8D68AB

# Triad

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



5676BB



B2614A



1B8761

# Complementary

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



5676BB



BB9B56

# 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.



578242



5676BB



9C6E34

# Square

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



5676BB



B85A6A



7E7A30



008985

# Rectangle

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



5676BB



A46098



7E7A30



368656



# Sweetspot

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



5676BB



CBD8F2



56BB99



636B7A



FAFAFA



7A7A7A



# Same Dimension

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



5676BB



5587F2



6756BB



55585E



00329E



000A1F



# Inverse Universe

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



BB5676



F25587



AABB56



5E5558



9E0032

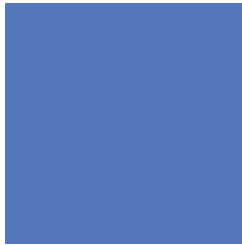


1F000A



# Previews

## White Background



This preview shows how the Hex color 5676BB looks on a white background.

## Color Contrast Check

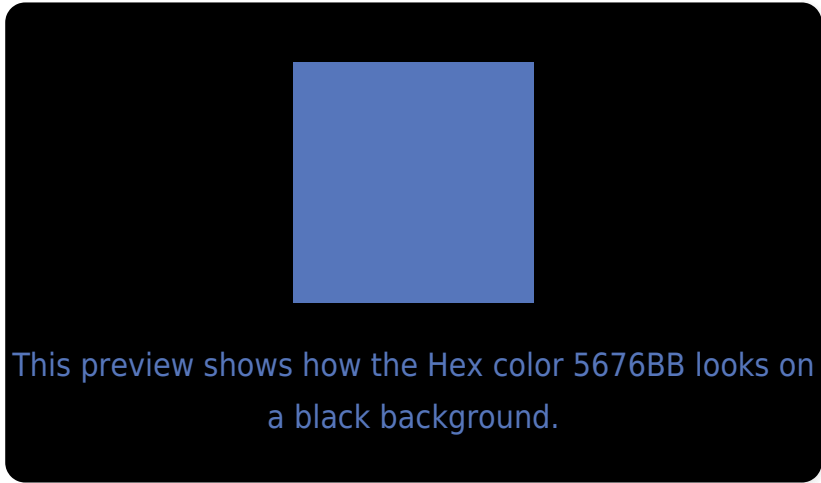
Large Text (above 18pt) WCAG AA ✓ Pass

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

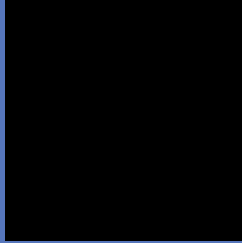
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

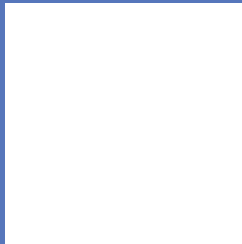
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 5676BB Background



This preview shows how black text looks on a background with the Hex color 5676BB.



This preview shows how white text looks on a background with the Hex color 5676BB.

# 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**  
5676BB

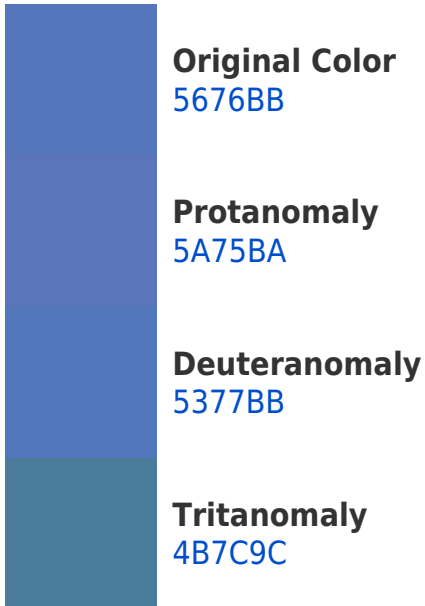
**Protanopia**  
5D75BA

**Deuteranopia**  
5277BB



**Tritanopia**  
45808A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5676BB 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 #5676BB looks like.

```
.text, #text, p{  
    color:#5676BB  
}
```

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 #5676BB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5676BB
}
```

## Border

The CSS property to change the border of an element to Hex 5676BB 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
#5676BB }
```

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

```
.border{ border-color:#5676BB }
```

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

Here you see how a box with a 4 pixel #5676BB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5676BB; -webkit-box-shadow:4px 4px  
4px 4px #5676BB; box-shadow:4px 4px 4px  
4px #5676BB }
```

# Background

The CSS property to change the background color of an element to Hex 5676BB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5676BB }
```

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

```
.background{ background-color:#5676BB }
```

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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