

# Converting Colors

Hex(566FA6)

Have a look what the booklet for  
Hex(566FA6) contains.

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# Color

**Hex(566FA6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	566FA6
RGB	86, 111, 166
RGB Percent	34%, 44%, 65%
CMY	0.6627, 0.5647, 0.3490
CMYK	0.48, 0.33, 0.00, 0.35
HSL	221°, 32%, 49%
HSV	221°, 48%, 65%
XYZ	16.4051, 16.1005, 38.3195
YIQ	109.7950, -32.5550, 11.8050

# Conversions

## Conversions Part 2

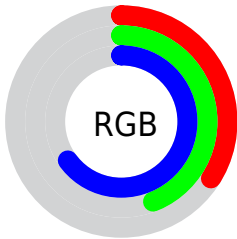
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	86, 105, 166
Decimal	5664678
CIE Lab	47.11, 6.38, -32.40
CIE LCh	47, 33.023, 281.138
Yxy	16.1005, 0.2316, 0.2273
Android (android.graphics.Color)	4283854758 (0xFF566FA6)
YUV	109.7950, 27.7091, -20.8682
Hunter-Lab	40.1254, 2.7596, -28.5337

# Details

The Hex color **566FA6** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **A68D56**, and the grayscale version is **6E6E6E**.

A 20% lighter version of the original color is **8CA2DD**, and **1F4072** is the 20% darker color. If you saturate the color by 10%, you get **4564A6**, and if you desaturate by 10%, it is **677AA6**.

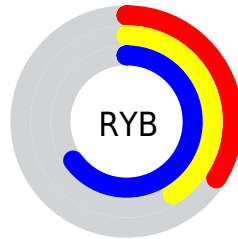
# Distribution



Red (34%)

Green (44%)

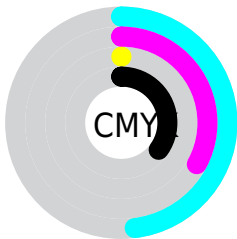
Blue (65%)



Red (34%)

Yellow (41%)

Blue (65%)

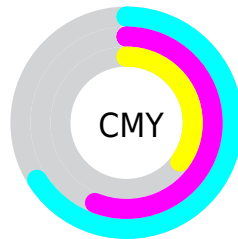


Cyan (48%)

Magenta (33%)

Yellow (0%)

Black (35%)



Cyan (66%)

Magenta (56%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 566FA6 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 566FA6 by changing the saturation by 10% instead.



■ 566FA6

■ 566FA6

FFFFFF

■ 3B578B

■ 8CA2DD

■ 1F4072

■ A7BDFA

■ 002A59

■ C3D9FF

■ 001641

■ E0F6FF

■ 00032B

FDFFFF

■ 000115

■ 000000

■ 566FA6

■ 566FA6

■ 4564A6

■ 677AA6

■ 3558A6

■ 7786A6

■ 244DA6

■ 8891A6

■ 1441A6

■ 989DA6

■ 0336A6

■ A9A8A6

■ 0034A6

■ BAB3A6

■ CABFA6

■ DBCAA6

■ EBD6A6

# Harmonies

## Analogous

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



1277A4



566FA6



80659A

# Triad

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



566FA6



A05E4C



327D5D

# Complementary

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



566FA6



A68D56

# 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.



587945



566FA6



90683B

# Square

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



566FA6



A55966



777138



007E79

# Rectangle

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



566FA6



935E8B



777138



417C54



# Sweetspot

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



566FA6



BAC4D9



56A68D



5B616E



EDEDED



6E6E6E



# Same Dimension

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



566FA6



5B82D9



6556A6



4C4E54



002E94



000614



# Inverse Universe

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



A6566F



D95B82



97A656



544C4E



94002E

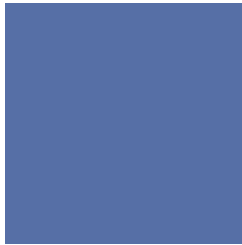


140006



# Previews

## White Background



This preview shows how the Hex color 566FA6 looks on a white background.

## Color Contrast Check

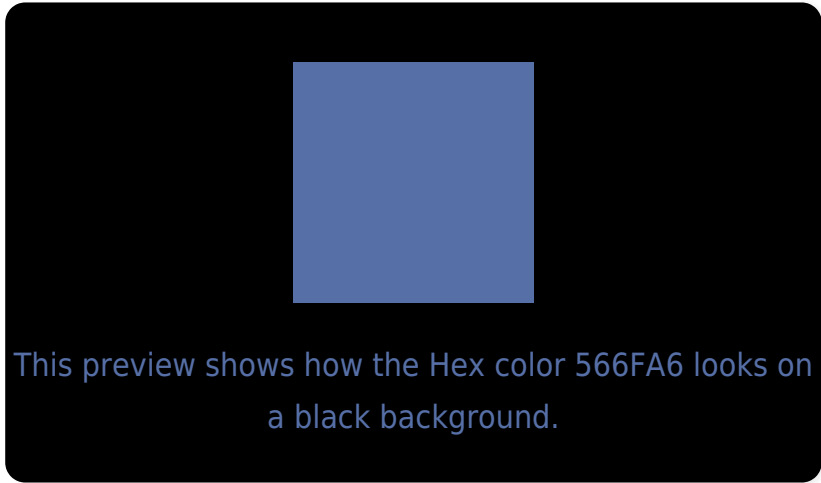
Large Text (above 18pt) WCAG AA ✓ Pass

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

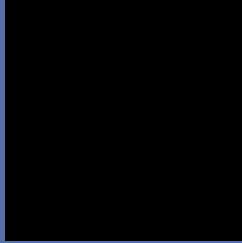
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

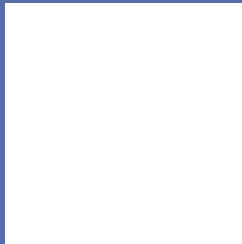
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 566FA6 Background



This preview shows how black text looks on a background with the Hex color 566FA6.

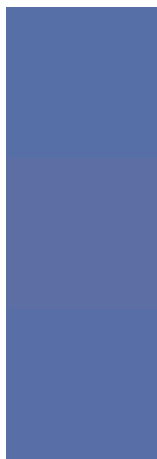


This preview shows how white text looks on a background with the Hex color 566FA6.

# 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**

566FA6

**Protanopia**

5D6EA5

**Deuteranopia**

576FA6



**Tritanopia**  
4A7780

# Trichromacy



**Original Color**  
566FA6

**Protanomaly**  
5A6EA5

**Deuteranomaly**  
576FA6

**Tritanomaly**  
4E748E

# Monochromacy



**Original Color**  
566FA6

**Achromatopsia**  
6E6E6E

**Achromatomaly**  
656E82

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 566FA6 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 #566FA6 looks like.

```
.text, #text, p{  
    color:#566FA6  
}
```

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 #566FA6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #566FA6  
}
```

## Border

The CSS property to change the border of an element to Hex 566FA6 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  
#566FA6 }
```

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

```
.border{ border-color:#566FA6 }
```

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

Here you see how a box with a 4 pixel #566FA6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #566FA6; -webkit-box-shadow:4px 4px  
4px 4px #566FA6; box-shadow:4px 4px 4px  
4px #566FA6 }
```

# Background

The CSS property to change the background color of an element to Hex 566FA6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#566FA6 }
```

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

```
.background{ background-color:#566FA6 }
```

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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