

# Converting Colors

Hex(586AA6)

Have a look what the booklet for  
Hex(586AA6) contains.

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# Color

Hex(586AA6)

# Conversions

## Conversions Part 1

Format	Color
Hex	586AA6
RGB	88, 106, 166
RGB Percent	35%, 42%, 65%
CMY	0.6549, 0.5843, 0.3490
CMYK	0.47, 0.36, 0.00, 0.35
HSL	226°, 31%, 50%
HSV	226°, 47%, 65%
XYZ	16.0615, 15.1359, 38.1514
YIQ	107.4580, -29.9880, 14.8440

# Conversions

## Conversions Part 2

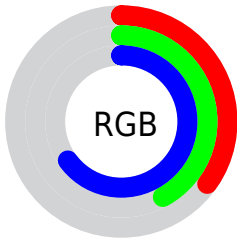
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	88, 103, 166
Decimal	5794470
CIE Lab	45.82, 9.97, -34.41
CIE LCh	46, 35.826, 286.151
Yxy	15.1359, 0.2316, 0.2183
Android (android.graphics.Color)	4283984550 (0xFF586AA6)
YUV	107.4580, 28.8612, -17.0647
Hunter-Lab	38.9049, 5.6081, -30.9081

# Details

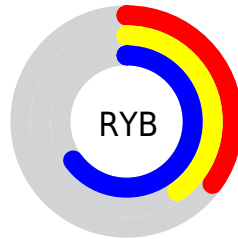
The Hex color **586AA6** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **A69458**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **8E9DDD**, and **213B72** is the 20% darker color. If you saturate the color by 10%, you get **475DA6**, and if you desaturate by 10%, it is **6977A6**.

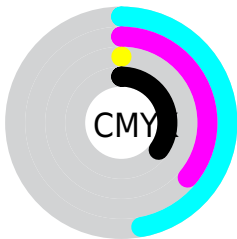
# Distribution



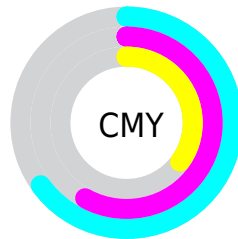
- Red (35%)
- Green (42%)
- Blue (65%)



- Red (35%)
- Yellow (40%)
- Blue (65%)



- Cyan (47%)
- Magenta (36%)
- Yellow (0%)
- Black (35%)



- Cyan (65%)
- Magenta (58%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 586AA6 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 586AA6 by changing the saturation by 10% instead.



■ 586AA6

■ 586AA6

FFFFFF

■ 3D528B

■ 8E9DDD

■ 213B72

■ A9B8FA

■ 002659

■ C5D3FF

■ 001241

■ E2F0FF

■ 00032B

■ 000115

■ 000000

■ 586AA6

■ 586AA6

■ 475DA6

■ 6977A6

■ 3750A6

■ 7984A6

■ 2644A6

■ 8A90A6

■ 1637A6

■ 9A9DA6

■ 052AA6

■ ABAAA6

■ 0026A6

■ BCB7A6

■ CCC3A6

■ DDD0A6

■ EDDDA6

# Harmonies

## Analogous

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



0074A6



586AA6



835E96

# Triad

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



586AA6



9E5B43



197B5D

# Complementary

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



586AA6



A69458

# 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.



4D7742



586AA6



8A6631

# Square

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



586AA6



A5545D



6F7031



007C7C

# Rectangle

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



586AA6



965885



6F7031



2F7A53



# Sweetspot

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



586AA6



BAC1D9



58A694



5B5F6E



EDEDED



6E6E6E



# Same Dimension

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



586AA6



5F7BD9



6D58A6



4C4E54



002294



000514



# Inverse Universe

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



A6586A



D95F7B



91A658



544C4E



940022

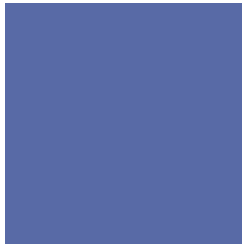


140005



# Previews

## White Background



This preview shows how the Hex color 586AA6 looks on a white background.

## Color Contrast Check

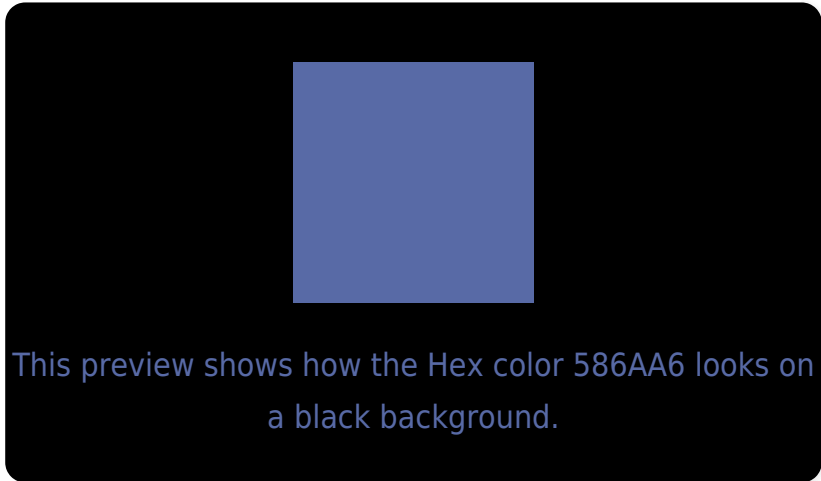
Large Text (above 18pt) WCAG AA ✓ Pass

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

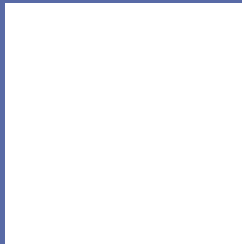
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 586AA6 Background



This preview shows how black text looks on a background with the Hex color 586AA6.

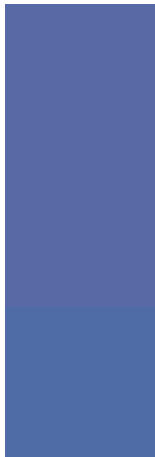


This preview shows how white text looks on a background with the Hex color 586AA6.

# 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**  
586AA6

**Protanopia**  
576AA6

**Deuteranopia**  
506CA6



**Tritanopia**  
4C737C

# Trichromacy



**Original Color**  
586AA6

**Protanomaly**  
576AA6

**Deuteranomaly**  
536BA6

**Tritanomaly**  
50708B

# Monochromacy



**Original Color**  
586AA6

**Achromatopsia**  
6B6B6B

**Achromatomaly**  
646B80

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 586AA6 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 #586AA6 looks like.

```
.text, #text, p{  
    color:#586AA6  
}
```

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 #586AA6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #586AA6
}
```

## Border

The CSS property to change the border of an element to Hex 586AA6 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
#586AA6 }
```

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

```
.border{ border-color:#586AA6 }
```

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

Here you see how a box with a 4 pixel #586AA6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #586AA6; -webkit-box-shadow:4px 4px  
4px 4px #586AA6; box-shadow:4px 4px 4px  
4px #586AA6 }
```

# Background

The CSS property to change the background color of an element to Hex 586AA6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#586AA6 }
```

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

```
.background{ background-color:#586AA6 }
```

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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