

# Converting Colors

Hex(51568A)

Have a look what the booklet for  
Hex(51568A) contains.

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# Color

**Hex(51568A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51568A
RGB	81, 86, 138
RGB Percent	32%, 34%, 54%
CMY	0.6824, 0.6627, 0.4588
CMYK	0.41, 0.38, 0.00, 0.46
HSL	235°, 26%, 43%
HSV	235°, 41%, 54%
XYZ	11.3086, 10.2399, 25.4252
YIQ	90.4330, -19.6720, 15.1120

# Conversions

## Conversions Part 2

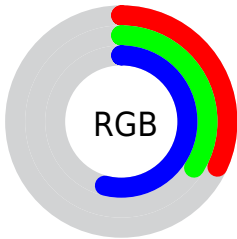
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 86, 138
Decimal	5330570
CIELab	38.27, 12.00, -29.59
CIElCh	38, 31.931, 292.073
Yxy	10.2399, 0.2407, 0.2180
Android (android.graphics.Color)	4283520650 (0xFF51568A)
YUV	90.4330, 23.4505, -8.2727
Hunter-Lab	31.9998, 7.0813, -24.7086

# Details

The Hex color **51568A** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **8A8551**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **8588C0**, and **1F2958** is the 20% darker color. If you saturate the color by 10%, you get **43498A**, and if you desaturate by 10%, it is **5F638A**.

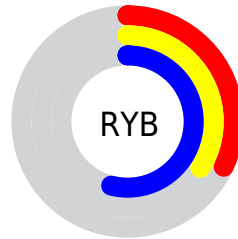
# Distribution



Red (32%)

Green (34%)

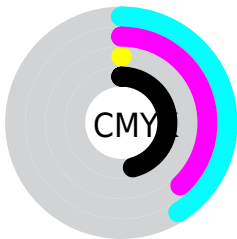
Blue (54%)



Red (32%)

Yellow (34%)

Blue (54%)

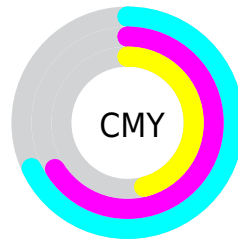


Cyan (41%)

Magenta (38%)

Yellow (0%)

Black (46%)



Cyan (68%)

Magenta (66%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 51568A 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 51568A by changing the saturation by 10% instead.



■ 51568A

■ 51568A

FFFFFF

■ 383F70

■ 8588C0

■ 1F2958

■ A0A2DC

■ 011540

■ BBBDF8

■ 00002A

■ D7D9FF

■ 000114

■ F4F5FF

■ 000000

■ 51568A

■ 51568A

■ 43498A

■ 5F638A

■ 353D8A

■ 6D6F8A

■ 28308A

■ 7A7C8A

■ 1A248A

■ 88888A

■ 0C178A

■ 96958A

■ 000C8A

■ A4A28A

■ B2AE8A

■ BFBB8A

■ CDC78A

# Harmonies

## Analogous

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



155F8D



51568A



734C7A

# Triad

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



51568A



824D32



006752

# Complementary

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



51568A



8A8551

# 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.



386439



51568A



6F5626

# Square

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



51568A



8B4548



565E28



00676D

# Rectangle

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



51568A



82476B



565E28



1A6649



# Sweetspot

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



51568A



9D9FB3



518A84



4D4E59



D9D9D9



595959



# Same Dimension

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



51568A



5961B3



68518A



3E3F45



000C85



000005



# Inverse Universe

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



8A5156



B35961



738A51



453E3F



85000C



050000



# Previews

## White Background



This preview shows how the Hex color 51568A looks on a white background.

## Color Contrast Check

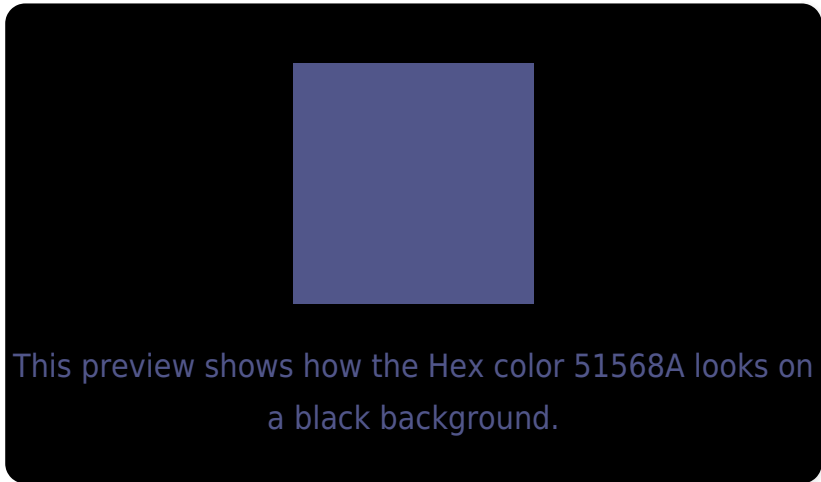
Large Text (above 18pt) WCAG AA ✓ Pass

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

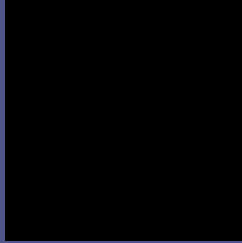
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 51568A Background



This preview shows how black text looks on a background with the Hex color 51568A.



This preview shows how white text looks on a background with the Hex color 51568A.

# 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**  
51568A

**Protanopia**  
47588C

**Deuteranopia**  
435A89



**Tritanopia**  
485E65

# Trichromacy



**Original Color**  
51568A

**Protanomaly**  
4B578B

**Deuteranomaly**  
485989

**Tritanomaly**  
4B5B72

# Monochromacy



**Original Color**  
51568A

**Achromatopsia**  
5A5A5A

**Achromatomaly**  
57596B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 51568A 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 #51568A looks like.

```
.text, #text, p{  
    color:#51568A  
}
```

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 #51568A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51568A
}
```

## Border

The CSS property to change the border of an element to Hex 51568A 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".

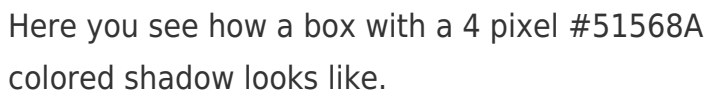
```
.border, #border, table{ border:4px solid
#51568A }
```

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

```
.border{ border-color:#51568A }
```

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

Here you see how a box with a 4 pixel #51568A colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51568A; -webkit-box-shadow:4px 4px  
4px 4px #51568A; box-shadow:4px 4px 4px  
4px #51568A }
```

# Background

The CSS property to change the background color of an element to Hex 51568A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51568A }
```

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

```
.background{ background-color:#51568A }
```

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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