

# Converting Colors

Hex(51646F)

Have a look what the booklet for  
Hex(51646F) contains.

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# Color

**Hex(51646F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51646F
RGB	81, 100, 111
RGB Percent	32%, 39%, 44%
CMY	0.6824, 0.6078, 0.5647
CMYK	0.27, 0.10, 0.00, 0.56
HSL	202°, 16%, 38%
HSV	202°, 27%, 44%
XYZ	10.8198, 12.0114, 16.7871
YIQ	95.5730, -14.8550, -0.6070

# Conversions

## Conversions Part 2

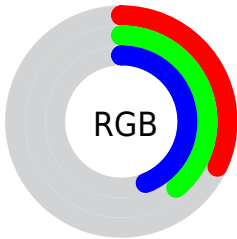
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	81, 93, 111
Decimal	5334127
CIE Lab	41.23, -4.38, -8.56
CIE LCh	41, 9.616, 242.937
Yxy	12.0114, 0.2731, 0.3032
Android (android.graphics.Color)	4283524207 (0xFF51646F)
YUV	95.5730, 7.6055, -12.7805
Hunter-Lab	34.6574, -4.9243, -4.4582

# Details

The Hex color **51646F** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **6F5C51**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **8397A3**, and **23353F** is the 20% darker color. If you saturate the color by 10%, you get **46606F**, and if you desaturate by 10%, it is **5C686F**.

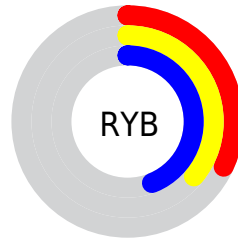
# Distribution



Red (32%)

Green (39%)

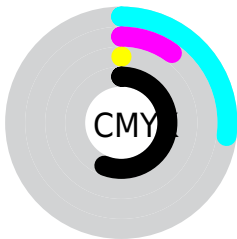
Blue (44%)



Red (32%)

Yellow (36%)

Blue (44%)

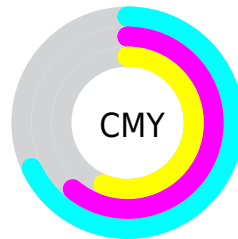


Cyan (27%)

Magenta (10%)

Yellow (0%)

Black (56%)



Cyan (68%)

Magenta (61%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 51646F 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 51646F by changing the saturation by 10% instead.





51646F



51646F

FFFFFF



394C57



8397A3



23353F



9DB1BE



0D2029



B8CDD9



000915



D4E9F6



000000



F1FFFF



51646F



51646F



46606F



5C686F



3B5C6F



676C6F

■ 30586F

■ 72706F

■ 25546F

■ 7D746F

■ 19506F

■ 89786F

■ 0E4C6F

■ 947C6F

■ 03486F

■ 9F806F

■ 00466F

■ AA856F

■ B5896F

# Harmonies

## Analogous

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



4D6669



51646F



5A6271

# Triad

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



51646F



715C61



5E6354

# Complementary

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



51646F



6F5C51

# 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.



676152



51646F



725C59

# Square

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



51646F



6C5D69



6E5E53



55655A

# Rectangle

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



51646F



606070



6E5E53



616353



# Sweetspot

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



51646F



868D91



516F5C



43474A



C9C9C9



4A4A4A



# Same Dimension

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



51646F



638091



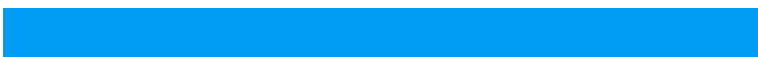
51556F



323638



004C78



009DF7



# Inverse Universe

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



6F5164



916380



6F6B51



383236



78004C



F7009D



# Previews

## White Background



This preview shows how the Hex color 51646F looks on a white background.

## Color Contrast Check

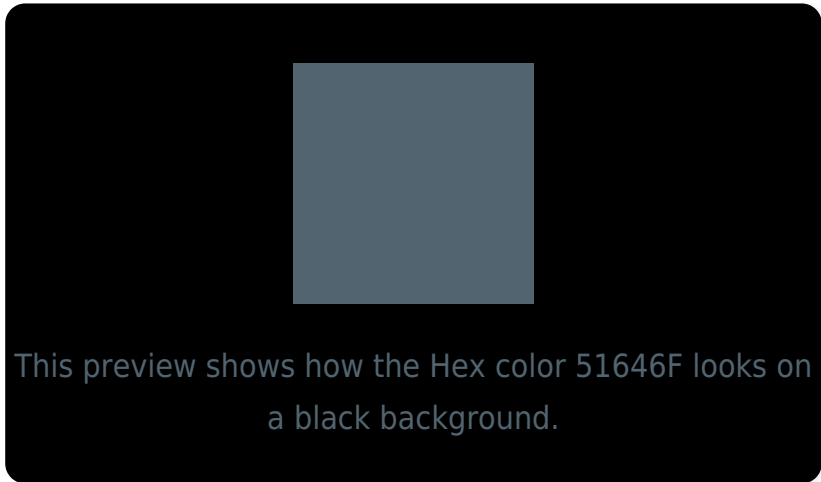
Large Text (above 18pt) WCAG AA ✓ Pass

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

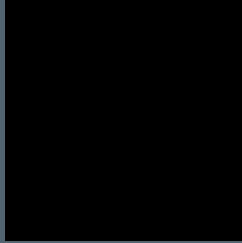
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

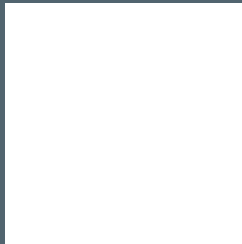
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 51646F Background



This preview shows how black text looks on a background with the Hex color 51646F.



This preview shows how white text looks on a background with the Hex color 51646F.

# 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](#).

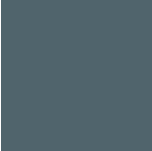
## Dichromacy



**Original Color**  
51646F

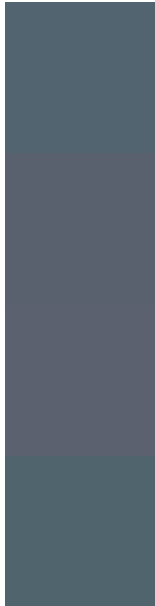
**Protanopia**  
5F606D

**Deuteranopia**  
635F70



**Tritanopia**  
50646C

# Trichromacy



**Original Color**  
51646F

**Protanomaly**  
5A616E

**Deuteranomaly**  
5C6170

**Tritanomaly**  
50646D

# Monochromacy



**Original Color**  
51646F

**Achromatopsia**  
606060

**Achromatomaly**  
5B6165

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 51646F 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 #51646F looks like.

```
.text, #text, p{  
    color:#51646F  
}
```

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 #51646F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51646F
}
```

## Border

The CSS property to change the border of an element to Hex 51646F is called "border". The border property can be set on classes, ids or directly on the HTML element.

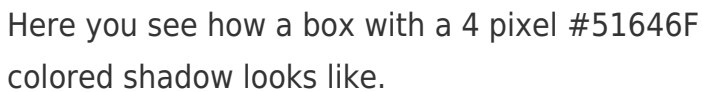
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#51646F }
```

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

```
.border{ border-color:#51646F }
```

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



Here you see how a box with a 4 pixel #51646F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51646F; -webkit-box-shadow:4px 4px  
4px 4px #51646F; box-shadow:4px 4px 4px  
4px #51646F }
```

# Background

The CSS property to change the background color of an element to Hex 51646F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51646F }
```

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

```
.background{ background-color:#51646F }
```

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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