

# Converting Colors

Hex(5B6772)

Have a look what the booklet for  
Hex(5B6772) contains.

<b>Hex(5B6772)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(5B6772)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5B6772
RGB	91, 103, 114
RGB Percent	36%, 40%, 45%
CMY	0.6431, 0.5961, 0.5529
CMYK	0.20, 0.10, 0.00, 0.55
HSL	209°, 11%, 40%
HSV	209°, 20%, 45%
XYZ	12.2019, 13.1395, 17.8127
YIQ	100.6660, -10.6830, 0.8770

# Conversions

## Conversions Part 2

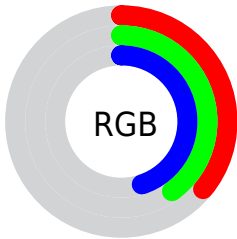
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	91, 99, 114
Decimal	5990258
CIE Lab	42.97, -1.96, -7.71
CIE LCh	43, 7.952, 255.722
Yxy	13.1395, 0.2828, 0.3045
Android (android.graphics.Color)	4284180338 (0xFF5B6772)
YUV	100.6660, 6.5737, -8.4771
Hunter-Lab	36.2485, -3.3486, -3.7614

# Details

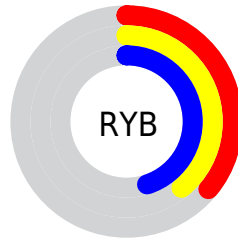
The Hex color **5B6772** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **72665B**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **8D9AA6**, and **2D3842** is the 20% darker color. If you saturate the color by 10%, you get **506272**, and if you desaturate by 10%, it is **666C72**.

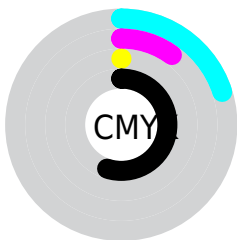
# Distribution



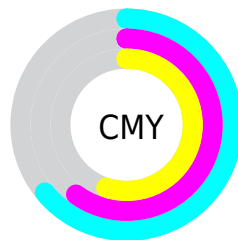
- Red (36%)
- Green (40%)
- Blue (45%)



- Red (36%)
- Yellow (39%)
- Blue (45%)



- Cyan (20%)
- Magenta (10%)
- Yellow (0%)
- Black (55%)



- Cyan (64%)
- Magenta (60%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5B6772 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 5B6772 by changing the saturation by 10% instead.





5B6772



5B6772

FFFFFF



434F5A



8D9AA6



2D3842



A8B5C1



17232C



C3D0DD



000D18



DFEDF9



000000



FCFFFF



5B6772



5B6772



506272



666C72



445C72



727272

■ 395772

■ 7D7772

■ 2D5172

■ 897D72

■ 224C72

■ 948272

■ 174672

■ 9F8872

■ 0B4172

■ AB8D72

■ 003B72

■ B69372

■ C29872

# Harmonies

## Analogous

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



56696F



5B6772



636572

# Triad

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



5B6772



746162



60685C

# Complementary

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



5B6772



72665B

# 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.



676659



5B6772



72625C

# Square

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



5B6772



716169



6E6459



596962

# Rectangle

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



5B6772



686370



6E6459



62675B



# Sweetspot

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



5B6772



8B9094



5B7266



45474A



C9C9C9



4A4A4A



# Same Dimension

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



5B6772



708394



5B5C72



323538



003F78



0081F7



# Inverse Universe

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



725B67



947083



72715B



383235



78003F



F70081



# Previews

## White Background



This preview shows how the Hex color 5B6772 looks on a white background.

## Color Contrast Check

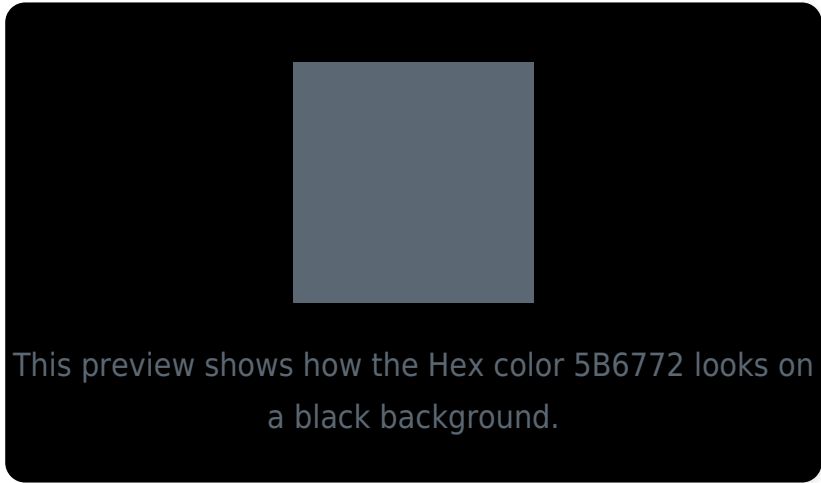
Large Text (above 18pt) WCAG AA ✓ Pass

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

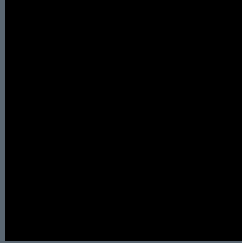
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

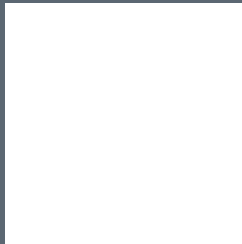
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 5B6772 Background



This preview shows how black text looks on a background with the Hex color 5B6772.



This preview shows how white text looks on a background with the Hex color 5B6772.

# 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**  
5B6772

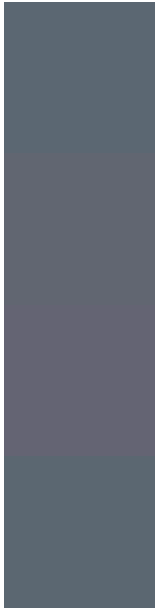
**Protanopia**  
646570

**Deuteranopia**  
696373



**Tritanopia**  
5B6770

# Trichromacy



**Original Color**  
5B6772

**Protanomaly**  
616671

**Deuteranomaly**  
646473

**Tritanomaly**  
5B6771

# Monochromacy



**Original Color**  
5B6772

**Achromatopsia**  
656565

**Achromatomaly**  
61666A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5B6772 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 #5B6772 looks like.

```
.text, #text, p{  
    color:#5B6772  
}
```

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 #5B6772 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5B6772
}
```

## Border

The CSS property to change the border of an element to Hex 5B6772 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
#5B6772 }
```

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

```
.border{ border-color:#5B6772 }
```

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

Here you see how a box with a 4 pixel #5B6772 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5B6772; -webkit-box-shadow:4px 4px  
4px 4px #5B6772; box-shadow:4px 4px 4px  
4px #5B6772 }
```

# Background

The CSS property to change the background color of an element to Hex 5B6772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5B6772 }
```

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

```
.background{ background-color:#5B6772 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor