

# Converting Colors

Hex(5A7076)

Have a look what the booklet for  
Hex(5A7076) contains.

<b>Hex(5A7076)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(5A7076)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5A7076
RGB	90, 112, 118
RGB Percent	35%, 44%, 46%
CMY	0.6471, 0.5608, 0.5373
CMYK	0.24, 0.05, 0.00, 0.54
HSL	193°, 13%, 41%
HSV	193°, 24%, 46%
XYZ	13.2806, 15.0700, 19.3484
YIQ	106.1060, -15.0380, -2.7980

# Conversions

## Conversions Part 2

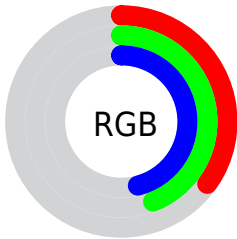
Format	Color
R <sub>Y</sub> B	90, 102, 118
Decimal	5927030
CIE Lab	45.73, -6.62, -6.01
CIE LCh	46, 8.942, 222.229
Yxy	15.0700, 0.2784, 0.3159
Android (android.graphics.Color)	4284117110 (0xFF5A7076)
YUV	106.1060, 5.8637, -14.1250
Hunter-Lab	38.8201, -6.8691, -2.3767

# Details

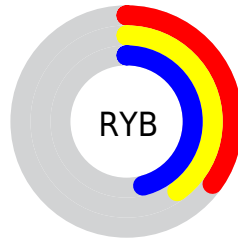
The Hex color **5A7076** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **76605A**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **8DA4AA**, and **2B4046** is the 20% darker color. If you saturate the color by 10%, you get **4E6D76**, and if you desaturate by 10%, it is **667376**.

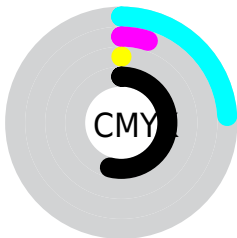
# Distribution



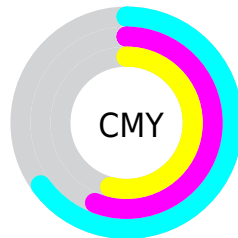
- Red (35%)
- Green (44%)
- Blue (46%)



- Red (35%)
- Yellow (40%)
- Blue (46%)



- Cyan (24%)
- Magenta (5%)
- Yellow (0%)
- Black (54%)



- Cyan (65%)
- Magenta (56%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5A7076 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 5A7076 by changing the saturation by 10% instead.



■ 5A7076

■ 5A7076

FFFFFF

■ 42585D

■ 8DA4AA

■ 2B4046

■ A7BFC5

■ 152A2F

■ C3DBE1

■ 00161B

■ DFF7FE

■ 000000

■ FBFFFF

■ 5A7076

■ 5A7076

■ 4E6D76

■ 667376

■ 426B76

■ 727576

■ 376876

■ 7D7876

■ 2B6676

■ 897A76

■ 1F6376

■ 957D76

■ 136176

■ A17F76

■ 075E76

■ AD8276

■ 005D76

■ B88476

■ C48776

# Harmonies

## Analogous

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



5A716F



5A7076



5F6E7A

# Triad

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



5A7076



796871



6F6D5E

# Complementary

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



5A7076



76605A

# 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.



776A5E



5A7076



7C6769

# Square

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



5A7076



716977



7B6863



676F61

# Rectangle

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



5A7076



656D7B



7B6863



726C5D



# Sweetspot

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



5A7076



8E9799



5A7660



464B4D



CCCCCC



4D4D4D



# Same Dimension

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



5A7076



6E9099



5A6276



35393B



00607A



00C4FA



# Inverse Universe

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



765A70



996E90



766E5A



3B3539



7A0060



FA00C4



# Previews

## White Background



This preview shows how the Hex color 5A7076 looks on a white background.

## Color Contrast Check

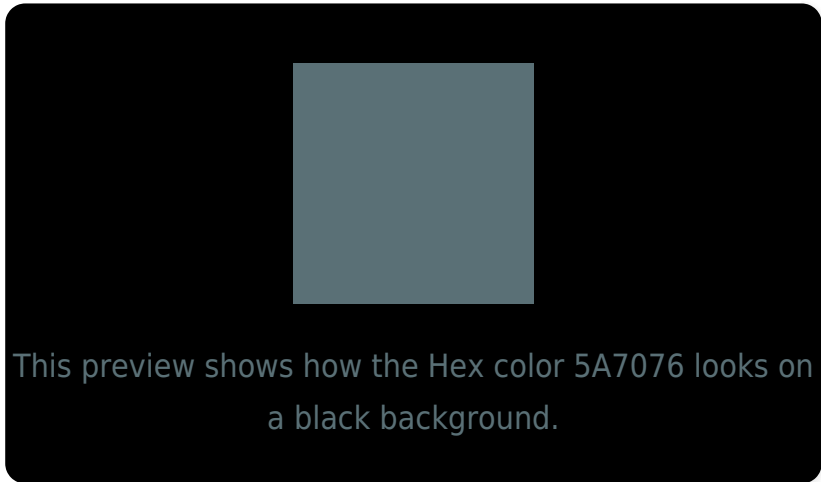
Large Text (above 18pt) WCAG AA ✓ Pass

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

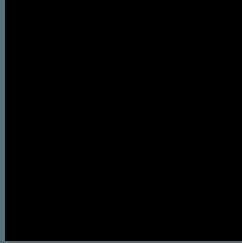
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

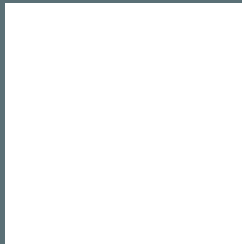
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 5A7076 Background



This preview shows how black text looks on a background with the Hex color 5A7076.



This preview shows how white text looks on a background with the Hex color 5A7076.

# 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**  
5A7076

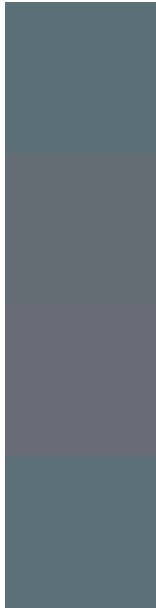
**Protanopia**  
6C6B73

**Deuteranopia**  
716977



**Tritanopia**  
5B7079

# Trichromacy



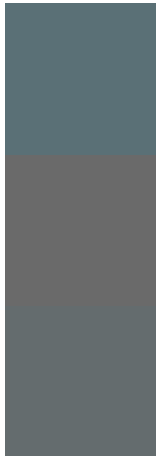
**Original Color**  
5A7076

**Protanomaly**  
656D74

**Deuteranomaly**  
696C77

**Tritanomaly**  
5B7078

# Monochromacy



**Original Color**  
5A7076

**Achromatopsia**  
6A6A6A

**Achromatomaly**  
646C6E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5A7076 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 #5A7076 looks like.

```
.text, #text, p{  
    color:#5A7076  
}
```

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 #5A7076 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5A7076
}
```

## Border

The CSS property to change the border of an element to Hex 5A7076 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
#5A7076 }
```

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

```
.border{ border-color:#5A7076 }
```

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

Here you see how a box with a 4 pixel #5A7076 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5A7076; -webkit-box-shadow:4px 4px  
4px 4px #5A7076; box-shadow:4px 4px 4px  
4px #5A7076 }
```

# Background

The CSS property to change the background color of an element to Hex 5A7076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5A7076 }
```

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

```
.background{ background-color:#5A7076 }
```

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