

# Converting Colors

Hex(5D7875)

Have a look what the booklet for  
Hex(5D7875) contains.

<b>Hex(5D7875)</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(5D7875)

# Conversions

## Conversions Part 1

Format	Color
Hex	5D7875
RGB	93, 120, 117
RGB Percent	36%, 47%, 46%
CMY	0.6353, 0.5294, 0.5412
CMYK	0.22, 0.00, 0.03, 0.53
HSL	173°, 13%, 42%
HSV	173°, 23%, 47%
XYZ	14.4416, 17.0445, 19.3584
YIQ	111.5850, -15.1290, -6.6570

# Conversions

## Conversions Part 2

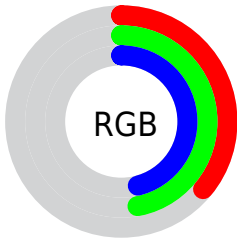
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	93, 107, 120
Decimal	6125685
CIE <sub>Lab</sub>	48.32, -10.42, -1.57
CIE <sub>LCh</sub>	48, 10.536, 188.574
Y <sub>xy</sub>	17.0445, 0.2840, 0.3352
Android (android.graphics.Color)	4284315765 (0xFF5D7875)
YUV	111.5850, 2.6696, -16.2990
Hunter-Lab	41.2849, -9.8089, 1.0985

# Details

The Hex color **5D7875** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **785D60**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **90ACA9**, and **2E4745** is the 20% darker color. If you saturate the color by 10%, you get **517874**, and if you desaturate by 10%, it is **697876**.

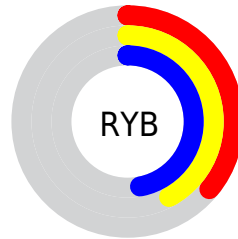
# Distribution



Red (36%)

Green (47%)

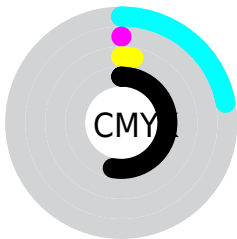
Blue (46%)



Red (36%)

Yellow (42%)

Blue (47%)

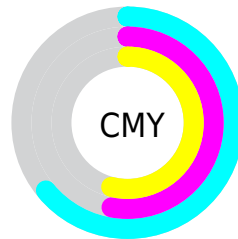


Cyan (22%)

Magenta (0%)

Yellow (3%)

Black (53%)



Cyan (64%)

Magenta (53%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5D7875 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 5D7875 by changing the saturation by 10% instead.



■ 5D7875

■ 5D7875

FFFFFF

■ 455F5C

■ 90ACA9

■ 2E4745

■ ABC8C4

■ 18312F

■ C6E4E0

■ 011C1A

■ E2FFFD

■ 000000

■ 5D7875

■ 5D7875

■ 517874

■ 697876

■ 457872

■ 757878

■ 397871

■ 817879

■ 2D7870

■ 8D787A

■ 21786E

■ 99787C

■ 15786D

■ A5787D

■ 09786C

■ B1787E

■ 00786B

■ BD7880

■ C97881

# Harmonies

## Analogous

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



63776C



5D7875



5C777D

# Triad

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



5D7875



787081



807062

# Complementary

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



5D7875



785D60

# 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.



856E68



5D7875



816D79

# Square

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



5D7875



6C7384



856D70



777361

# Rectangle

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



5D7875



5F7682



856D70



826F64



# Sweetspot

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



5D7875



919C9A



60785D



494F4E



CFCFCF



4F4F4F



# Same Dimension

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



5D7875



729C97



5D6E78



373D3D



007D6F



00FCE0



# Inverse Universe

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



785D60



9C7276



78675D



3D3738



7D000E



FC001C



# Previews

## White Background



This preview shows how the Hex color 5D7875 looks on a white background.

## Color Contrast Check

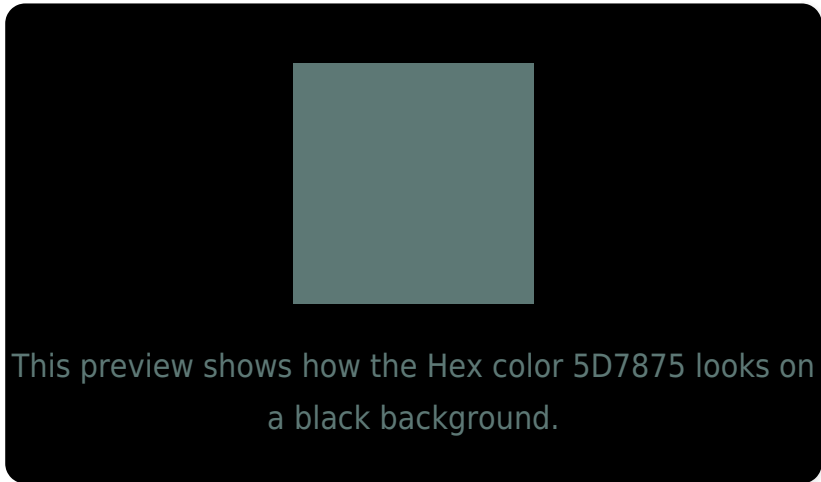
Large Text (above 18pt) WCAG AA ✓ Pass

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

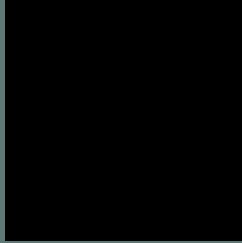
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5D7875 Background



This preview shows how black text looks on a background with the Hex color 5D7875.



This preview shows how white text looks on a background with the Hex color 5D7875.

# 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**  
5D7875

**Protanopia**  
757271

**Deuteranopia**  
7B6F77



**Tritanopia**  
5F7680

# Trichromacy



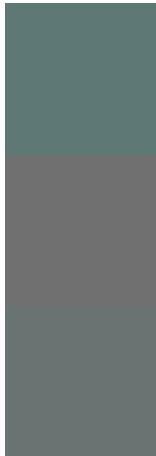
**Original Color**  
5D7875

**Protanomaly**  
6C7472

**Deuteranomaly**  
707276

**Tritanomaly**  
5E777C

# Monochromacy



**Original Color**  
5D7875

**Achromatopsia**  
707070

**Achromatomaly**  
697372

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5D7875 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 #5D7875 looks like.

```
.text, #text, p{  
    color:#5D7875  
}
```

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 #5D7875 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5D7875
}
```

## Border

The CSS property to change the border of an element to Hex 5D7875 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
#5D7875 }
```

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

```
.border{ border-color:#5D7875 }
```

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

Here you see how a box with a 4 pixel #5D7875 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5D7875; -webkit-box-shadow:4px 4px  
4px 4px #5D7875; box-shadow:4px 4px 4px  
4px #5D7875 }
```

# Background

The CSS property to change the background color of an element to Hex 5D7875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5D7875 }
```

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

```
.background{ background-color:#5D7875 }
```

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