

# Converting Colors

Hex(568D71)

Have a look what the booklet for  
Hex(568D71) contains.

<b>Hex(568D71)</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(568D71)**

# Conversions

## Conversions Part 1

Format	Color
Hex	568D71
RGB	86, 141, 113
RGB Percent	34%, 55%, 44%
CMY	0.6627, 0.4471, 0.5569
CMYK	0.39, 0.00, 0.20, 0.45
HSL	149°, 24%, 45%
HSV	149°, 39%, 55%
XYZ	16.3433, 22.2204, 19.0504
YIQ	121.3630, -23.7920, -20.3680

# Conversions

## Conversions Part 2

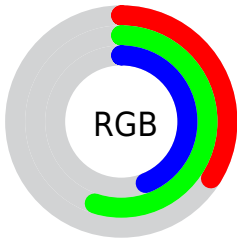
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	86, 123, 141
Decimal	5672305
CIE <sub>Lab</sub>	54.26, -24.81, 9.28
CIE <sub>LCh</sub>	54, 26.486, 159.496
Y <sub>xy</sub>	22.2204, 0.2837, 0.3857
Android (android.graphics.Color)	4283862385 (0xFF568D71)
YUV	121.3630, -4.1230, -31.0134
Hunter-Lab	47.1386, -20.6053, 9.0358

# Details

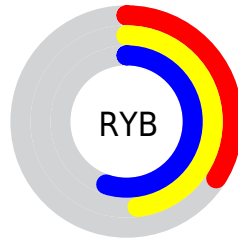
The Hex color **568D71** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **8D5672**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **8AC3A5**, and **245A41** is the 20% darker color. If you saturate the color by 10%, you get **488D6A**, and if you desaturate by 10%, it is **648D78**.

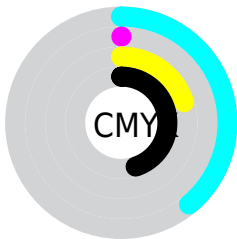
# Distribution



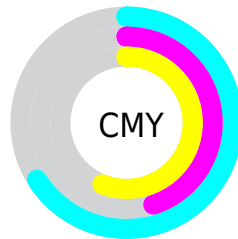
- Red (34%)
- Green (55%)
- Blue (44%)



- Red (34%)
- Yellow (48%)
- Blue (55%)



- Cyan (39%)
- Magenta (0%)
- Yellow (20%)
- Black (45%)



- Cyan (66%)
- Magenta (45%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 568D71 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 568D71 by changing the saturation by 10% instead.



 568D71

 568D71

FFFFFF

 3D7359

 8AC3A5

 245A41

 A5DFC0

 07432B

 C1FCDC

 002C16

 DDFFF8

 001700

 FAFFFF

 000000

 568D71

 568D71

 488D6A

 648D78

 3A8D63

 728D7F

 2C8D5B

 808D87

 1E8D54

 8E8D8E

 108D4D

 9D8D95

 018D46

 AB8D9C

 008D45

 B98DA3

 C78DAA

 D58DB2

# Harmonies

## Analogous

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



71895E



568D71



3D8E88

# Triad

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



568D71



6E81AF



AC7466

# Complementary

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



568D71



8D5672

# 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.



AF707B



568D71



8E79A5

# Square

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



568D71



4B88AC



A57392



9F7B57

# Rectangle

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



568D71



348E97



A57392



AE726C



# Sweetspot

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



568D71



A2B8AC



728D56



4F5C55



DBDBDB



5C5C5C



# Same Dimension

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



568D71



61B88C



568D8C



404744



008742



000804



# Inverse Universe

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



8D5672



B8618D



8D5657



474044



870045



080004



# Previews

## White Background



This preview shows how the Hex color 568D71 looks on a white background.

## Color Contrast Check

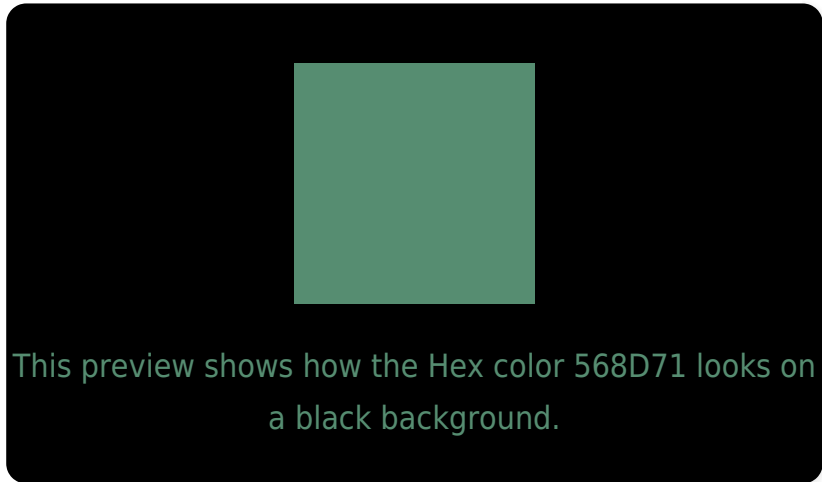
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

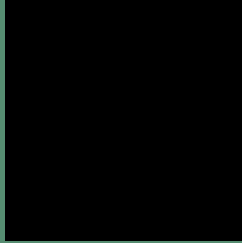
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 568D71 Background



This preview shows how black text looks on a background with the Hex color 568D71.

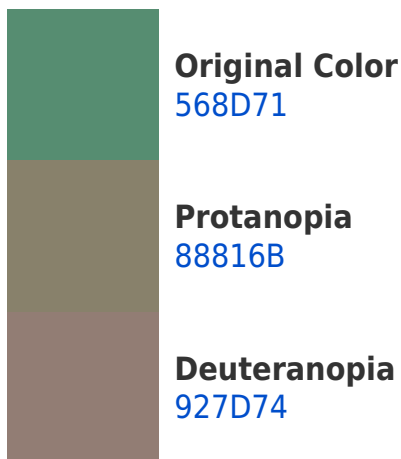


This preview shows how white text looks on a background with the Hex color 568D71.

# 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





**Tritanopia**  
5E8893

# Trichromacy



**Original Color**  
568D71

**Protanomaly**  
76856D

**Deuteranomaly**  
7C8373

**Tritanomaly**  
5B8A87

# Monochromacy



**Original Color**  
568D71

**Achromatopsia**  
797979

**Achromatomaly**  
6C8076

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 568D71 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 #568D71 looks like.

```
.text, #text, p{  
    color:#568D71  
}
```

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 #568D71 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #568D71
}
```

## Border

The CSS property to change the border of an element to Hex 568D71 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
#568D71 }
```

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

```
.border{ border-color:#568D71 }
```

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

Here you see how a box with a 4 pixel #568D71 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #568D71; -webkit-box-shadow:4px 4px  
4px 4px #568D71; box-shadow:4px 4px 4px  
4px #568D71 }
```

# Background

The CSS property to change the background color of an element to Hex 568D71 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#568D71 }
```

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

```
.background{ background-color:#568D71 }
```

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