

# Converting Colors

Hex(4C688D)

Have a look what the booklet for  
Hex(4C688D) contains.

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# Color

**Hex(4C688D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4C688D
RGB	76, 104, 141
RGB Percent	30%, 41%, 55%
CMY	0.7020, 0.5922, 0.4471
CMYK	0.46, 0.26, 0.00, 0.45
HSL	214°, 30%, 43%
HSV	214°, 46%, 55%
XYZ	12.7385, 13.3602, 27.1067
YIQ	99.8460, -28.5650, 5.5710

# Conversions

## Conversions Part 2

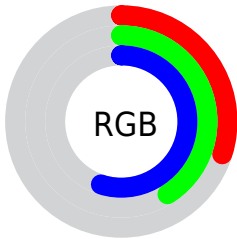
<b>Format</b>	<b>Color</b>
<b>RYB</b>	76, 96, 141
Decimal	5007501
CIELab	43.30, 0.27, -23.57
CIELCh	43, 23.574, 270.652
Yxy	13.3602, 0.2394, 0.2511
Android (android.graphics.Color)	4283197581 (0xFF4C688D)
YUV	99.8460, 20.2889, -20.9129
Hunter-Lab	36.5516, -1.7567, -18.3833

# Details

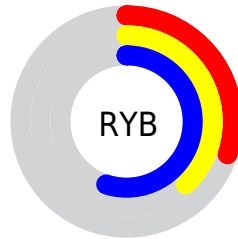
The Hex color **4C688D** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **8D714C**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **809BC3**, and **18395B** is the 20% darker color. If you saturate the color by 10%, you get **3E608D**, and if you desaturate by 10%, it is **5A708D**.

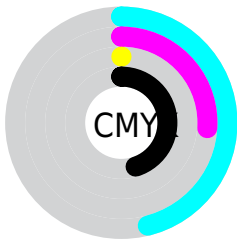
# Distribution



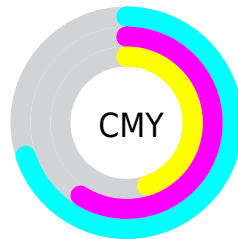
- Red (30%)
- Green (41%)
- Blue (55%)



- Red (30%)
- Yellow (38%)
- Blue (55%)



- Cyan (46%)
- Magenta (26%)
- Yellow (0%)
- Black (45%)



- Cyan (70%)
- Magenta (59%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4C688D 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 4C688D by changing the saturation by 10% instead.



■ 4C688D

■ 4C688D

FFFFFF

■ 325073

■ 809BC3

■ 18395B

■ 9BB6DF

■ 002443

■ B6D1FB

■ 000E2D

■ D3EEFF

■ 000118

■ EFFFFFF

■ 000000

■ 4C688D

■ 4C688D

■ 3E608D

■ 5A708D

■ 30588D

■ 68788D

■ 22508D

■ 76808D

■ 14488D

■ 84888D

■ 06408D

■ 93908D

■ 003D8D

■ A1988D

■ AFA08D

■ BDA88D

■ CBB08D

# Harmonies

## Analogous

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



2E6D88



4C688D



696188

# Triad

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



4C688D



8C5953



486F53

# Complementary

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



4C688D



8D714C

# 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.



5F6B44



4C688D



835F45

# Square

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



4C688D



8B5767



73653F



307166

# Rectangle

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



4C688D



795D7F



73653F



4F6E4D



# Sweetspot

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



4C688D



9EA9B8



4C8D71



4C535C



DBDBDB



5C5C5C



# Same Dimension

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



4C688D



537EB8



504C8D



404347



003A87



000308



# Inverse Universe

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



8D4C68



B8537E



898D4C



474043



87003A



080003



# Previews

## White Background



This preview shows how the Hex color 4C688D looks on a white background.

## Color Contrast Check

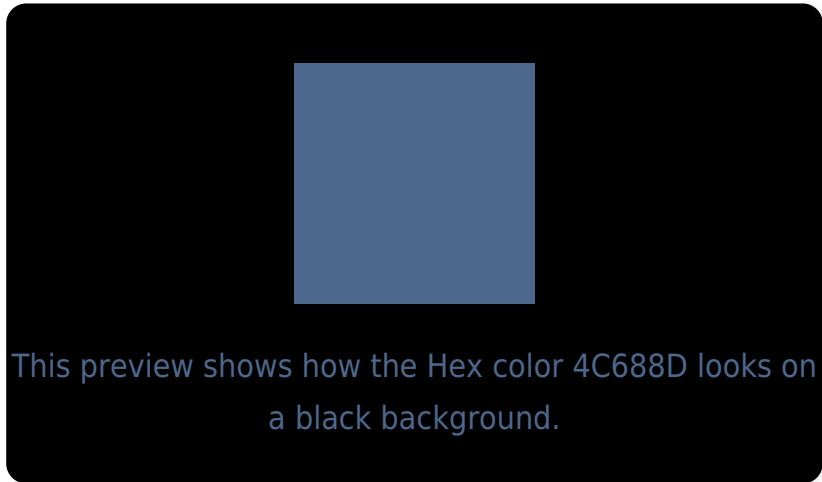
Large Text (above 18pt) WCAG AA ✓ Pass

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

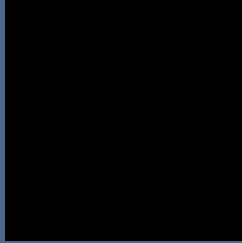
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4C688D Background



This preview shows how black text looks on a background with the Hex color 4C688D.

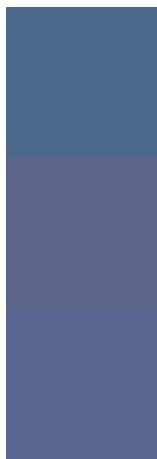


This preview shows how white text looks on a background with the Hex color 4C688D.

# 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**

4C688D

**Protanopia**

5B658A

**Deuteranopia**

59658E



**Tritanopia**  
456C75

# Trichromacy



**Original Color**  
4C688D

**Protanomaly**  
56668B

**Deuteranomaly**  
54668E

**Tritanomaly**  
486B7E

# Monochromacy



**Original Color**  
4C688D

**Achromatopsia**  
646464

**Achromatomaly**  
5B6573

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4C688D 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 #4C688D looks like.

```
.text, #text, p{  
    color:#4C688D  
}
```

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 #4C688D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4C688D
}
```

## Border

The CSS property to change the border of an element to Hex 4C688D 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
#4C688D }
```

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

```
.border{ border-color:#4C688D }
```

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

Here you see how a box with a 4 pixel #4C688D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4C688D; -webkit-box-shadow:4px 4px  
4px 4px #4C688D; box-shadow:4px 4px 4px  
4px #4C688D }
```

# Background

The CSS property to change the background color of an element to Hex 4C688D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4C688D }
```

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

```
.background{ background-color:#4C688D }
```

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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