

# Converting Colors

Hex(428298)

Have a look what the booklet for  
Hex(428298) contains.

<b>Hex(428298)</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(428298)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	428298
RGB	66, 130, 152
RGB Percent	26%, 51%, 60%
CMY	0.7412, 0.4902, 0.4039
CMYK	0.57, 0.14, 0.00, 0.40
HSL	195°, 39%, 43%
HSV	195°, 57%, 60%
XYZ	15.8969, 19.3905, 32.6107
YIQ	113.3720, -45.2060, -6.7260

# Conversions

## Conversions Part 2

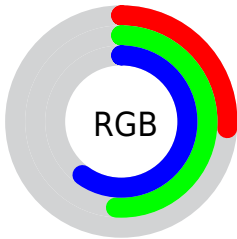
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	66, 103, 152
Decimal	4358808
CIE <sub>Lab</sub>	51.14, -13.92, -18.05
CIE <sub>LCh</sub>	51, 22.794, 232.368
Yxy	19.3905, 0.2341, 0.2856
Android (android.graphics.Color)	4282548888 (0xFF428298)
YUV	113.3720, 19.0436, -41.5452
Hunter-Lab	44.0347, -12.6206, -13.0840

# Details

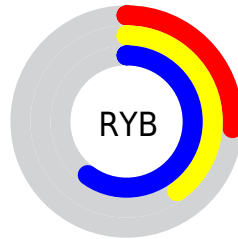
The Hex color **428298** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **985842**, and the grayscale version is **717171**.

A 20% lighter version of the original color is **79B7CE**, and **005165** is the 20% darker color. If you saturate the color by 10%, you get **337E98**, and if you desaturate by 10%, it is **518698**.

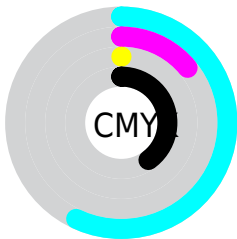
# Distribution



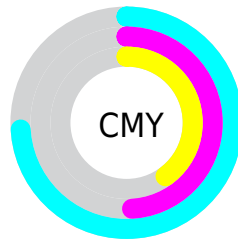
- Red (26%)
- Green (51%)
- Blue (60%)



- Red (26%)
- Yellow (40%)
- Blue (60%)



- Cyan (57%)
- Magenta (14%)
- Yellow (0%)
- Black (40%)



- Cyan (74%)
- Magenta (49%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 428298 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 428298 by changing the saturation by 10% instead.



■ 428298

■ 428298

FFFFFF

■ 24697E

■ 79B7CE

■ 005165

■ 94D3EB

■ 003A4D

■ B1EFFF

■ 002436

■ CDFFFF

■ 000A21

■ EAFFFF

■ 000007

■ 000000

■ 428298

■ 428298

■ 337E98

■ 518698

■ 247A98

■ 608A98

■ 147698

■ 708E98

■ 057298

■ 7F9298

■ 007198

■ 8E9598

■ 9D9998

■ AC9D98

■ BCA198

■ CBA598

# Harmonies

## Analogous

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



3D8488



428298



597DA0

# Triad

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



428298



9D6C80



787D55

# Complementary

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



428298



985842

# 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.



8C7753



428298



A16C6C

# Square

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



428298



8E7092



9B705C



628262

# Rectangle

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



428298



6D79A0



9B705C



7F7B54



# Sweetspot

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



428298



A3BCC4



429858



505E63



E3E3E3



636363



# Same Dimension

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



428298



3FA2C4



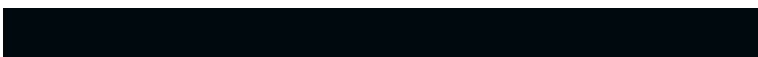
425898



454B4D



00688C



00090D



# Inverse Universe

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



984282



C43FA2



988342



4D454B



8C0068

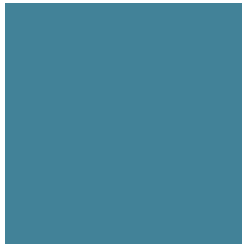


0D0009



# Previews

## White Background



This preview shows how the Hex color 428298 looks on a white background.

## Color Contrast Check

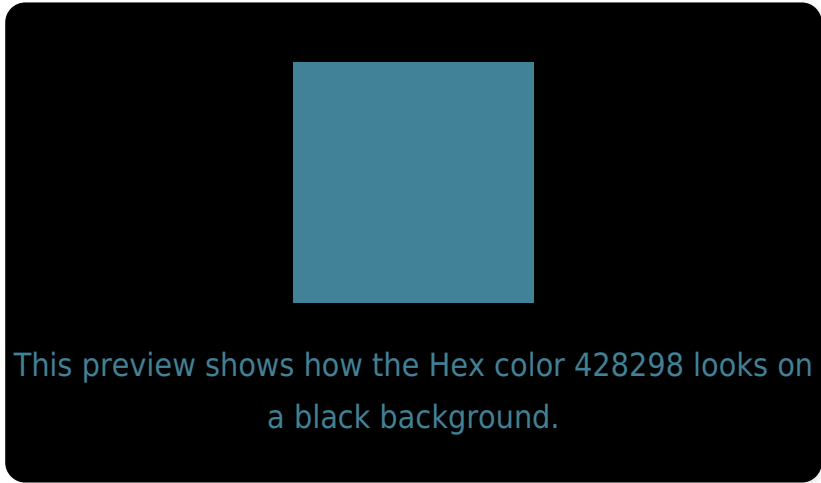
Large Text (above 18pt) WCAG AA ✓ Pass

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

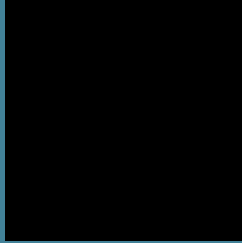
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 428298 Background



This preview shows how black text looks on a background with the Hex color 428298.

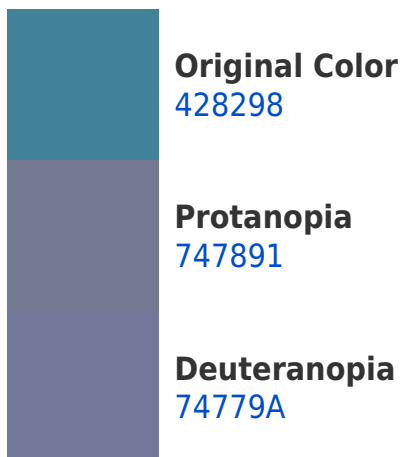


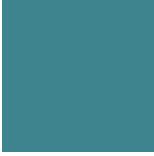
This preview shows how white text looks on a background with the Hex color 428298.

# 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**  
3E848E

# Trichromacy



**Original Color**  
428298

**Protanomaly**  
627C94

**Deuteranomaly**  
627B99

**Tritanomaly**  
3F8392

# Monochromacy



**Original Color**  
428298

**Achromatopsia**  
717171

**Achromatomaly**  
60777F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 428298 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 #428298 looks like.

```
.text, #text, p{  
    color:#428298  
}
```

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 #428298 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #428298  
}
```

## Border

The CSS property to change the border of an element to Hex 428298 is called "border". The border property can be set on classes, ids or directly on the HTML element.

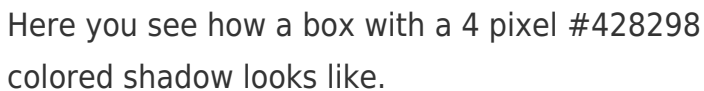
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#428298 }
```

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

```
.border{ border-color:#428298 }
```

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



Here you see how a box with a 4 pixel #428298 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #428298; -webkit-box-shadow:4px 4px  
4px 4px #428298; box-shadow:4px 4px 4px  
4px #428298 }
```

# Background

The CSS property to change the background color of an element to Hex 428298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#428298 }
```

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

```
.background{ background-color:#428298 }
```

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