

# Converting Colors

Hex(428073)

Have a look what the booklet for  
Hex(428073) contains.

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**Color**

**Hex(428073)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	428073
RGB	66, 128, 115
RGB Percent	26%, 50%, 45%
CMY	0.7412, 0.4980, 0.5490
CMYK	0.48, 0.00, 0.10, 0.50
HSL	167°, 32%, 38%
HSV	167°, 48%, 50%
XYZ	13.0604, 17.8344, 18.9737
YIQ	107.9800, -32.7790, -17.1870

# Conversions

## Conversions Part 2

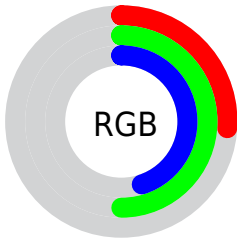
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 101, 128
Decimal	4358259
CIELab	49.29, -23.43, 0.87
CIElCh	49, 23.444, 177.882
Yxy	17.8344, 0.2619, 0.3576
Android (android.graphics.Color)	4282548339 (0xFF428073)
YUV	107.9800, 3.4609, -36.8165
Hunter-Lab	42.2308, -18.7003, 2.9234

# Details

The Hex color **428073** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **80424F**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **76B5A7**, and **074E43** is the 20% darker color. If you saturate the color by 10%, you get **358070**, and if you desaturate by 10%, it is **4F8076**.

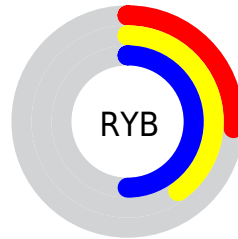
# Distribution



Red (26%)

Green (50%)

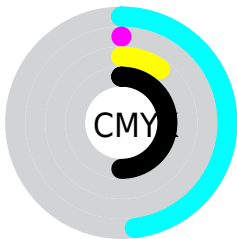
Blue (45%)



Red (26%)

Yellow (40%)

Blue (50%)

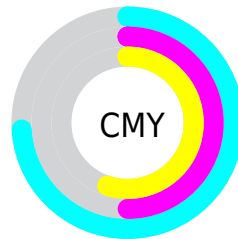


Cyan (48%)

Magenta (0%)

Yellow (10%)

Black (50%)



Cyan (74%)

Magenta (50%)

Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 428073 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 428073 by changing the saturation by 10% instead.



■ 428073

■ 428073

FFFFFF

■ 28675A

■ 76B5A7

■ 074E43

■ 91D1C2

■ 00372D

■ ACEDDE

■ 002218

■ C9FFFA

■ 000000

■ E5FFFF

■ 428073

■ 428073

■ 358070

■ 4F8076

■ 28806E

■ 5C8078

 1C806B

 68807B

 0F8068

 75807E

 028066

 828080

 008065

 8F8083

 9C8086

 A88088

 B5808B

# Harmonies

## Analogous

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



597E5F



428073



348087

# Triad

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



428073



767198



946D54

# Complementary

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



428073



80424F

# 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.



9C6864



428073



8D6A8B

# Square

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



428073



59779D



9A6677



84734D

# Rectangle

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



428073



387E92



9A6677



986B59



# Sweetspot

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



428073



8DA6A1



4F8042



455451



D4D4D4



545454



# Same Dimension

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



428073



46A692



426E80



39403E



008065



000000



# Inverse Universe

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



80424F



A6465A



805442



40393B



80001B



000000



# Previews

## White Background



This preview shows how the Hex color 428073 looks on a white background.

## Color Contrast Check

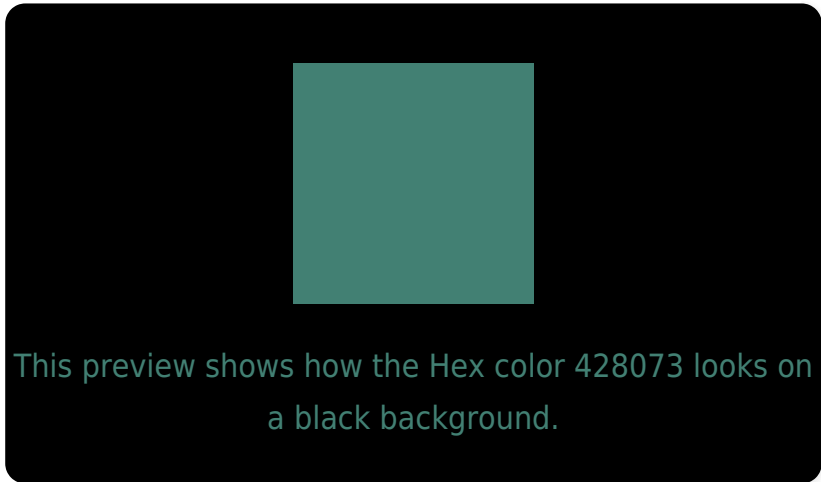
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

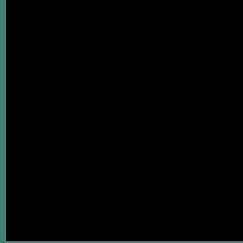
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 428073 Background



This preview shows how black text looks on a background with the Hex color 428073.

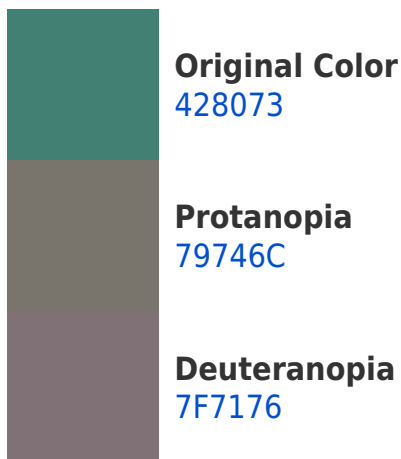



This preview shows how white text looks on a background with the Hex color 428073.

# 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**  
487D87

# Trichromacy



**Original Color**  
428073

**Protanomaly**  
65786F

**Deuteranomaly**  
697675

**Tritanomaly**  
467E80

# Monochromacy



**Original Color**  
428073

**Achromatopsia**  
6C6C6C

**Achromatomaly**  
5D736F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 428073 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 #428073 looks like.

```
.text, #text, p{  
    color:#428073  
}
```

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 #428073 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #428073  
}
```

## Border

The CSS property to change the border of an element to Hex 428073 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  
#428073 }
```

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

```
.border{ border-color:#428073 }
```

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

Here you see how a box with a 4 pixel #428073 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #428073; -webkit-box-shadow:4px 4px  
4px 4px #428073; box-shadow:4px 4px 4px  
4px #428073 }
```

# Background

The CSS property to change the background color of an element to Hex 428073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#428073 }
```

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

```
.background{ background-color:#428073 }
```

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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