

# Converting Colors

Hex(42A49A)

Have a look what the booklet for  
Hex(42A49A) contains.

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**Color**

**Hex(42A49A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42A49A
RGB	66, 164, 154
RGB Percent	26%, 64%, 60%
CMY	0.7412, 0.3569, 0.3961
CMYK	0.60, 0.00, 0.06, 0.36
HSL	174°, 43%, 45%
HSV	174°, 60%, 64%
XYZ	21.3550, 30.0423, 35.2451
YIQ	133.5580, -55.1980, -23.8860

# Conversions

## Conversions Part 2

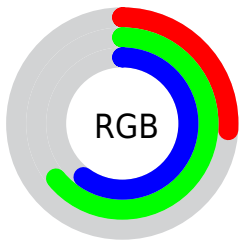
Format	Color
R <sub>YB</sub>	66, 118, 164
Decimal	4367514
CIE Lab	61.69, -30.91, -3.37
CIE LCh	62, 31.092, 186.229
Yxy	30.0423, 0.2465, 0.3467
Android (android.graphics.Color)	4282557594 (0xFF42A49A)
YUV	133.5580, 10.0779, -59.2484
Hunter-Lab	54.8108, -26.3732, 0.2423

# Details

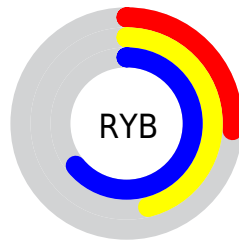
The Hex color **42A49A** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **A4424C**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **7CDBD0**, and **007067** is the 20% darker color. If you saturate the color by 10%, you get **32A498**, and if you desaturate by 10%, it is **52A49C**.

# Distribution



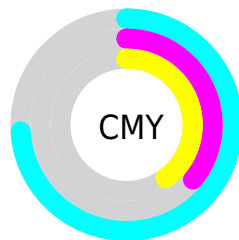
- Red (26%)
- Green (64%)
- Blue (60%)



- Red (26%)
- Yellow (46%)
- Blue (64%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (36%)



- Cyan (74%)
- Magenta (36%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42A49A 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 42A49A by changing the saturation by 10% instead.





42A49A



42A49A

FFFFFF



208980



7CDBD0



007067



98F8ED



00574F



B5FFFF



003F38



D2FFFF



002823



F0FFFF



000C0E



000000



42A49A



42A49A



32A498



52A49C

■ 21A497

■ 63A49D

■ 11A495

■ 73A49F

■ 00A493

■ 84A4A1

■ 94A4A2

■ A4A4A4

■ B5A4A6

■ C5A4A7

■ D6A4A9

# Harmonies

## Analogous

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



63A27E



42A49A



31A3B5

# Triad

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



42A49A



A08CC1



BA8C63

# Complementary

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



42A49A



A4424C

# 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.



C98376



42A49A



BD83AC

# Square

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



42A49A



7896CB



CA8090



A2955E

# Rectangle

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



42A49A



40A0C2



CA8090



C08968



# Sweetspot

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



42A49A



B0D6D2



4DA442



546B69



EBEBEB



6B6B6B



# Same Dimension

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



42A49A



3CD6C6



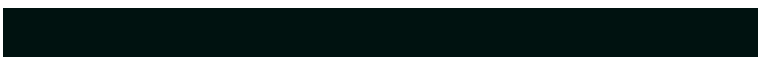
427EA4



495251



009183



001210



# Inverse Universe

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



A4424C



D63C4C



A46842



52494A



91000F

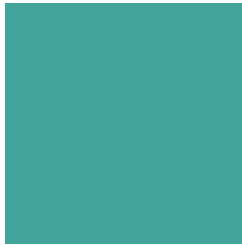


120002



# Previews

## White Background



This preview shows how the Hex color 42A49A looks on a white background.

## Color Contrast Check

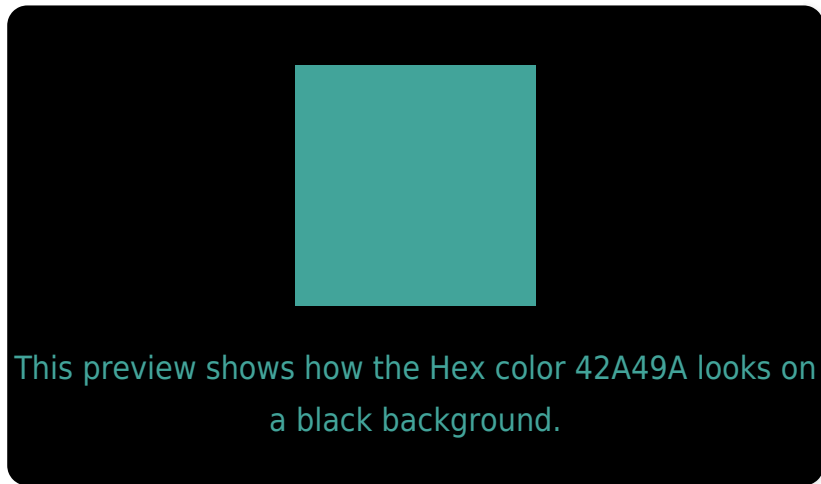
Large Text (above 18pt) WCAG AA ✓ Pass

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

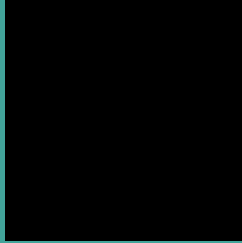
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 42A49A Background



This preview shows how black text looks on a background with the Hex color 42A49A.

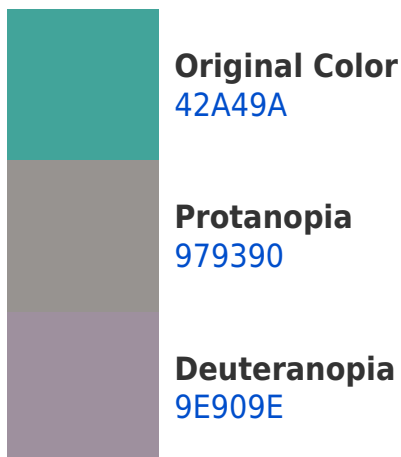


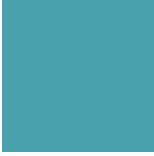
This preview shows how white text looks on a background with the Hex color 42A49A.

# 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**  
4AA1AE

# Trichromacy



**Original Color**

42A49A



**Protanomaly**

789994



**Deuteranomaly**

7D979D



**Tritanomaly**

47A2A7

# Monochromacy



**Original Color**

42A49A



**Achromatopsia**

868686



**Achromatomaly**

6D918D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42A49A 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 #42A49A looks like.

```
.text, #text, p{  
    color:#42A49A  
}
```

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 #42A49A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42A49A
}
```

## Border

The CSS property to change the border of an element to Hex 42A49A 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
#42A49A }
```

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

```
.border{ border-color:#42A49A }
```

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

Here you see how a box with a 4 pixel #42A49A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42A49A; -webkit-box-shadow:4px 4px  
4px 4px #42A49A; box-shadow:4px 4px 4px  
4px #42A49A }
```

# Background

The CSS property to change the background color of an element to Hex 42A49A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42A49A }
```

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

```
.background{ background-color:#42A49A }
```

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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