

# Converting Colors

Hex(49996A)

Have a look what the booklet for  
Hex(49996A) contains.

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**Color**

**Hex(49996A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49996A
RGB	73, 153, 106
RGB Percent	29%, 60%, 42%
CMY	0.7137, 0.4000, 0.5843
CMYK	0.52, 0.00, 0.31, 0.40
HSL	145°, 35%, 44%
HSV	145°, 52%, 60%
XYZ	16.7404, 25.2395, 17.6251
YIQ	123.7220, -32.5930, -31.5770

# Conversions

## Conversions Part 2

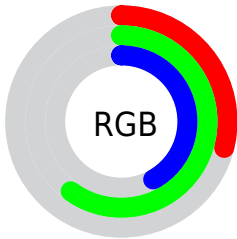
<b>Format</b>	<b>Color</b>
<b>RYB</b>	73, 130, 153
Decimal	4823402
CIELab	57.31, -35.71, 17.39
CIElCh	57, 39.723, 154.030
Yxy	25.2395, 0.2809, 0.4234
Android (android.graphics.Color)	4283013482 (0xFF49996A)
YUV	123.7220, -8.7369, -44.4832
Hunter-Lab	50.2390, -28.4392, 14.3669

# Details

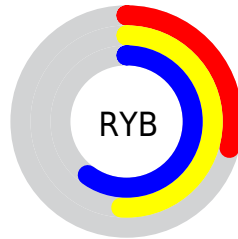
The Hex color **49996A** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **994978**, and the grayscale version is **7C7C7C**.

A 20% lighter version of the original color is **7FD09E**, and **09653A** is the 20% darker color. If you saturate the color by 10%, you get **3A9961**, and if you desaturate by 10%, it is **589973**.

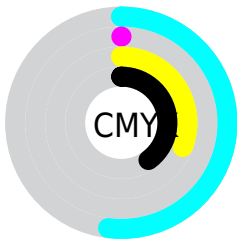
# Distribution



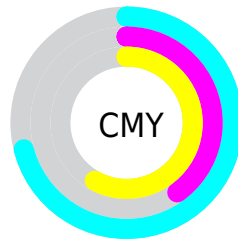
- Red (29%)
- Green (60%)
- Blue (42%)



- Red (29%)
- Yellow (51%)
- Blue (60%)



- Cyan (52%)
- Magenta (0%)
- Yellow (31%)
- Black (40%)



- Cyan (71%)
- Magenta (40%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 49996A 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 49996A by changing the saturation by 10% instead.





49996A



49996A

FFFFFF



2D7F52



7FD09E



09653A



9BECB9



004D24



B7FFD4



00350F



D3FFF1



002100



F0FFFF



000000



49996A



49996A



3A9961



589973



2A9958



68997C

■ 1B994F

■ 779985

■ 0C9946

■ 86998E

■ 00993F

■ 959997

■ A599A0

■ B499A9

■ C399B2

■ D399BB

# Harmonies

## Analogous

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



76934E



49996A



009C8D

# Triad

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



49996A



598CCE



C97265

# Complementary

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



49996A



994978

# 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.



CA6D86



49996A



937FC3

# Square

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



49996A



0095C7



B872A9



B77D4C

# Rectangle

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



49996A



009BA5



B872A9



CB6F6F



# Sweetspot

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



49996A



A7C7B4



799949



516358



E3E3E3



636363



# Same Dimension

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



49996A



4AC77D



499991



454D48



008C3A



000D05



# Inverse Universe

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



994978



C74A93



994951



4D4549



8C0052



0D0007



# Previews

## White Background



This preview shows how the Hex color 49996A looks on a white background.

## Color Contrast Check

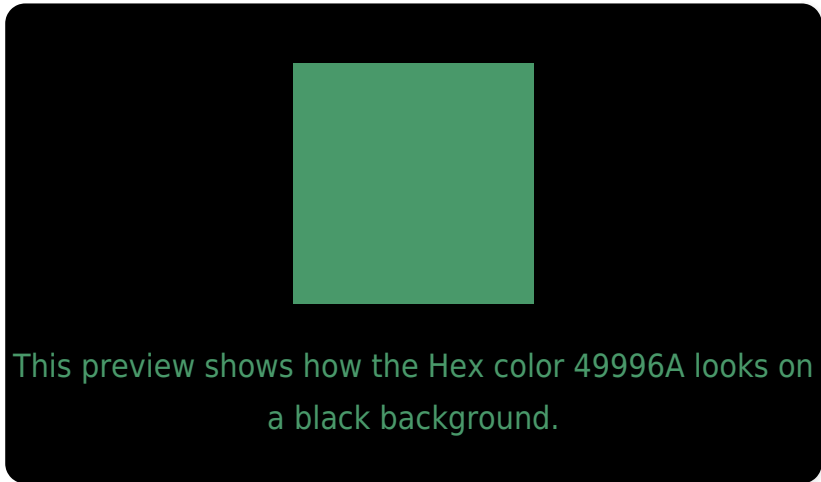
Large Text (above 18pt) WCAG AA ✓ Pass

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 49996A Background



This preview shows how black text looks on a background with the Hex color 49996A.



This preview shows how white text looks on a background with the Hex color 49996A.

# Color Blindness Simulation

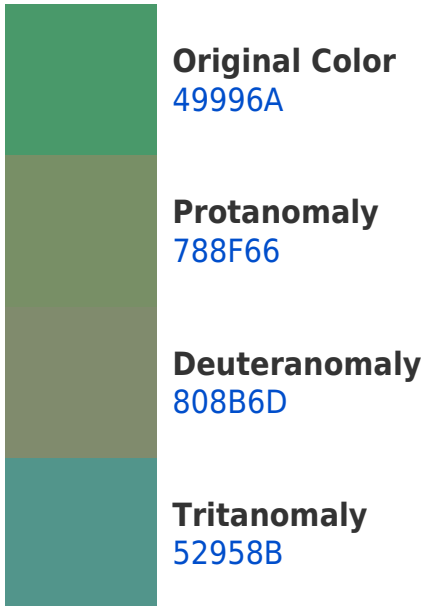
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

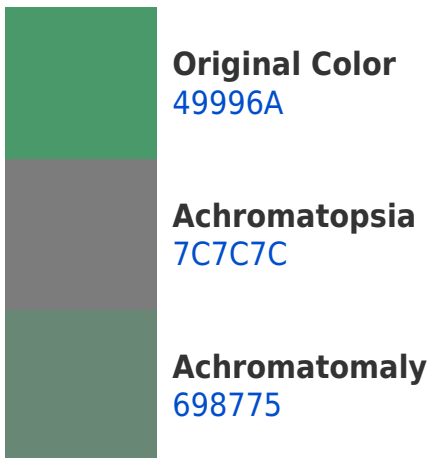




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 49996A 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 #49996A looks like.

```
.text, #text, p{  
    color:#49996A  
}
```

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 #49996A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49996A
}
```

## Border

The CSS property to change the border of an element to Hex 49996A 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
#49996A }
```

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

```
.border{ border-color:#49996A }
```

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

Here you see how a box with a 4 pixel #49996A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49996A; -webkit-box-shadow:4px 4px  
4px 4px #49996A; box-shadow:4px 4px 4px  
4px #49996A }
```

# Background

The CSS property to change the background color of an element to Hex 49996A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49996A }
```

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

```
.background{ background-color:#49996A }
```

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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