

# Converting Colors

Hex(46A08A)

Have a look what the booklet for  
Hex(46A08A) contains.

<b>Hex(46A08A)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(46A08A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	46A08A
RGB	70, 160, 138
RGB Percent	27%, 63%, 54%
CMY	0.7255, 0.3725, 0.4588
CMYK	0.56, 0.00, 0.14, 0.37
HSL	165°, 39%, 45%
HSV	165°, 56%, 63%
XYZ	19.6840, 28.2787, 28.4656
YIQ	130.5820, -46.5780, -25.9220

# Conversions

## Conversions Part 2

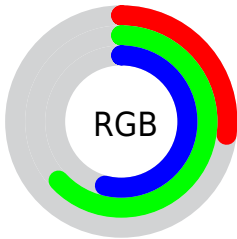
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 121, 160
Decimal	4628618
CIELab	60.14, -32.37, 3.39
CIElCh	60, 32.545, 174.019
Yxy	28.2787, 0.2575, 0.3700
Android (android.graphics.Color)	4282818698 (0xFF46A08A)
YUV	130.5820, 3.6571, -53.1304
Hunter-Lab	53.1777, -26.9882, 5.4869

# Details

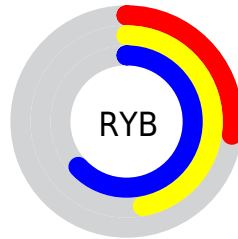
The Hex color **46A08A** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **A0465C**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **7ED7BF**, and **006C58** is the 20% darker color. If you saturate the color by 10%, you get **36A086**, and if you desaturate by 10%, it is **56A08E**.

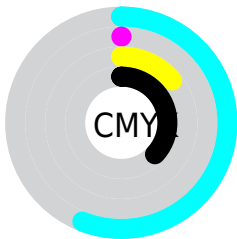
# Distribution



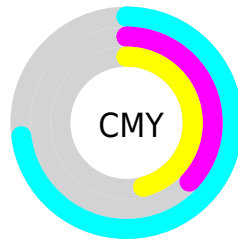
- Red (27%)
- Green (63%)
- Blue (54%)



- Red (27%)
- Yellow (47%)
- Blue (63%)



- Cyan (56%)
- Magenta (0%)
- Yellow (14%)
- Black (37%)



- Cyan (73%)
- Magenta (37%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46A08A 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 46A08A by changing the saturation by 10% instead.





46A08A



46A08A

FFFFFF



288571



7ED7BF



006C58



9AF4DB



005341



B6FFF8



003B2B



D3FFFF



002616



F0FFFF



000100



000000



46A08A



46A08A



36A086



56A08E

■ 26A082

■ 66A092

■ 16A07E

■ 76A096

■ 06A07A

■ 86A09A

■ 00A079

■ 96A09E

■ A6A0A1

■ B6A0A5

■ C6A0A9

■ D6A0AD

# Harmonies

## Analogous

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



6B9D6E



46A08A



21A0A7

# Triad

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



46A08A



8C8CC5



BF8364

# Complementary

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



46A08A



A0465C

# 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.



C97C7B



46A08A



B082B3

# Square

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



46A08A



5E96C9



C47B98



A98D58

# Rectangle

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



46A08A



229EB8



C47B98



C4806A



# Sweetspot

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



46A08A



AED1C8



5DA046



546963



E8E8E8



696969



# Same Dimension

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



46A08A



43D1AE



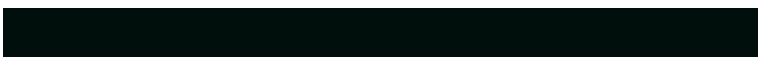
468AA0



474F4D



008F6C



000F0C



# Inverse Universe

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



A0465C



D14366



A05D46



4F4749



8F0023

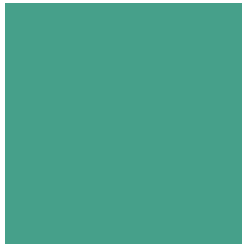


0F0004



# Previews

## White Background



This preview shows how the Hex color 46A08A looks on a white background.

## Color Contrast Check

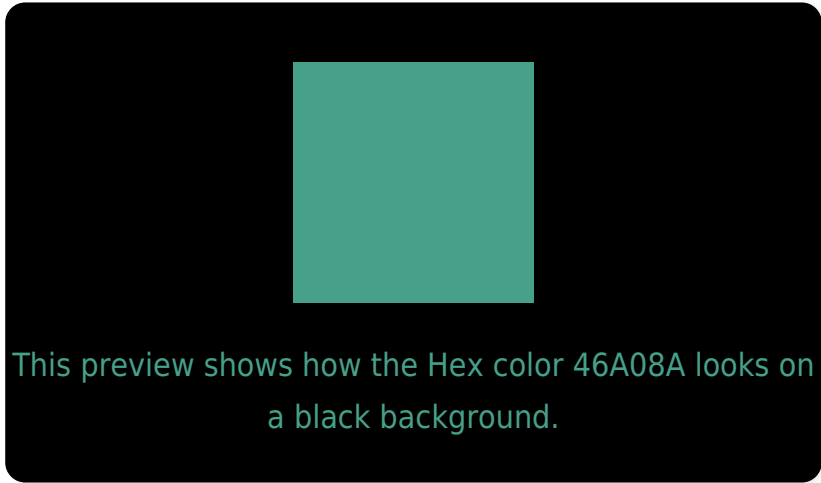
Large Text (above 18pt) WCAG AA ✓ Pass

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

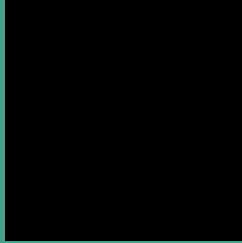
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 46A08A Background



This preview shows how black text looks on a background with the Hex color 46A08A.



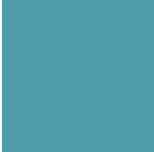
This preview shows how white text looks on a background with the Hex color 46A08A.

# 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](#).

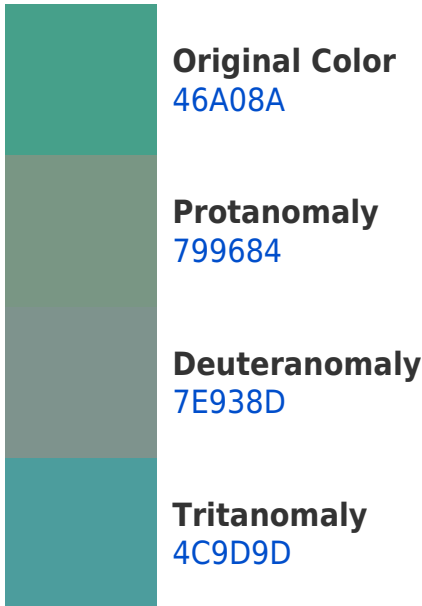
## Dichromacy





**Tritanopia**  
509CA8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46A08A 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 #46A08A looks like.

```
.text, #text, p{  
    color:#46A08A  
}
```

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 #46A08A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46A08A
}
```

## Border

The CSS property to change the border of an element to Hex 46A08A 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
#46A08A }
```

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

```
.border{ border-color:#46A08A }
```

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

Here you see how a box with a 4 pixel #46A08A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46A08A; -webkit-box-shadow:4px 4px  
4px 4px #46A08A; box-shadow:4px 4px 4px  
4px #46A08A }
```

# Background

The CSS property to change the background color of an element to Hex 46A08A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46A08A }
```

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

```
.background{ background-color:#46A08A }
```

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