

# Converting Colors

Hex(45A1A8)

Have a look what the booklet for  
Hex(45A1A8) contains.

<b>Hex(45A1A8)</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(45A1A8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	45A1A8
RGB	69, 161, 168
RGB Percent	27%, 63%, 66%
CMY	0.7294, 0.3686, 0.3412
CMYK	0.59, 0.04, 0.00, 0.34
HSL	184°, 42%, 46%
HSV	184°, 59%, 66%
XYZ	22.2670, 29.5821, 41.5821
YIQ	134.2900, -57.0790, -17.3270

# Conversions

## Conversions Part 2

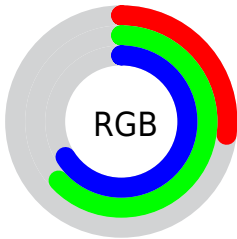
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	69, 117, 168
Decimal	4563368
CIE Lab	61.29, -24.92, -11.84
CIE LCh	61, 27.593, 205.414
Yxy	29.5821, 0.2383, 0.3166
Android (android.graphics.Color)	4282753448 (0xFF45A1A8)
YUV	134.2900, 16.6190, -57.2593
Hunter-Lab	54.3894, -22.1037, -7.2561

# Details

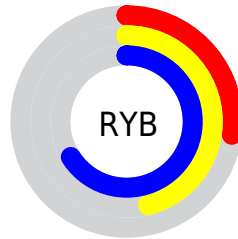
The Hex color **45A1A8** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **A84C45**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **7FD8DF**, and **006D74** is the 20% darker color. If you saturate the color by 10%, you get **34A0A8**, and if you desaturate by 10%, it is **56A2A8**.

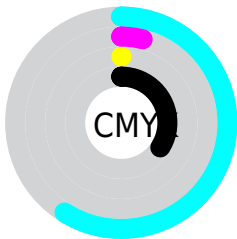
# Distribution



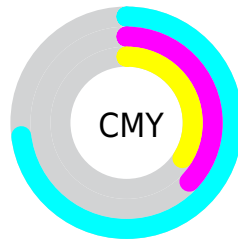
- Red (27%)
- Green (63%)
- Blue (66%)



- Red (27%)
- Yellow (46%)
- Blue (66%)



- Cyan (59%)
- Magenta (4%)
- Yellow (0%)
- Black (34%)



- Cyan (73%)
- Magenta (37%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45A1A8 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 45A1A8 by changing the saturation by 10% instead.



 45A1A8

 45A1A8

FFFFFF

 24878E

 7FD8DF

 006D74

 9CF5FC

 00545B

 B8FFFF

 003D44

 D6FFFF

 00272E

 F3FFFF

 000A1A

 000000

 45A1A8

 45A1A8

 34A0A8

 56A2A8

■ 239FA8

■ 67A3A8

■ 139DA8

■ 77A5A8

■ 029CA8

■ 88A6A8

■ 009CA8

■ 99A7A8

■ AAA8A8

■ BBA9A8

■ CBABA8

■ DCACA8

# Harmonies

## Analogous

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



57A18F



45A1A8



4E9EBB

# Triad

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



45A1A8



B087B0



A99163

# Complementary

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



45A1A8



A84C45

# 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.



BB896D



45A1A8



C18299

# Square

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



45A1A8



928FC0



C48380



8F9967

# Rectangle

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



45A1A8



629AC3



C48380



B08E65



# Sweetspot

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



45A1A8



B4D9DB



45A84C



566C6E



EDEDED



6E6E6E



# Same Dimension

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



45A1A8



40D0DB



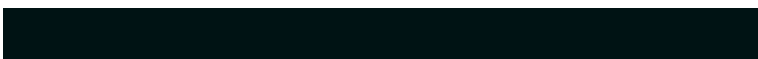
4570A8



4C5454



008994



001314



# Inverse Universe

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



A845A1



DB40D0



A87D45



544C54



940089

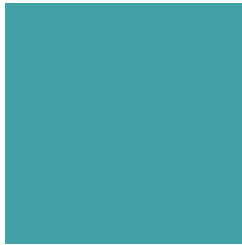


140013



# Previews

## White Background



This preview shows how the Hex color 45A1A8 looks on a white background.

## Color Contrast Check

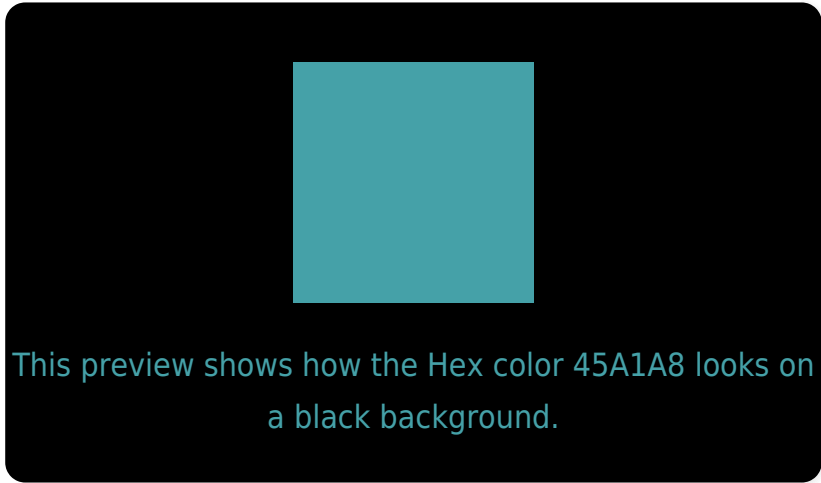
Large Text (above 18pt) WCAG AA ✓ Pass

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

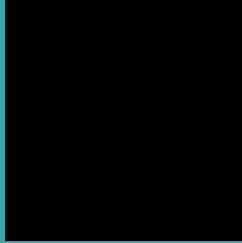
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 45A1A8 Background



This preview shows how black text looks on a background with the Hex color 45A1A8.

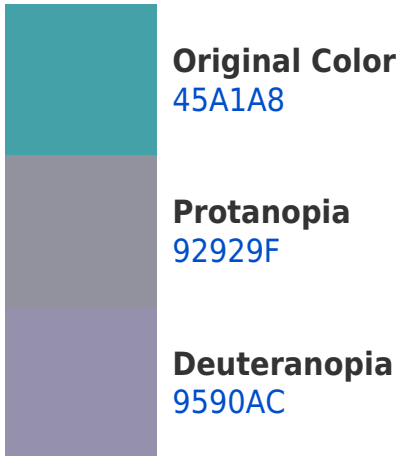


This preview shows how white text looks on a background with the Hex color 45A1A8.

# 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**  
47A0AD

# Trichromacy



**Original Color**  
45A1A8



**Protanomaly**  
7697A2



**Deuteranomaly**  
7896AB



**Tritanomaly**  
46A0AB

# Monochromacy



**Original Color**  
45A1A8



**Achromatopsia**  
868686



**Achromatomaly**  
6E9092

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45A1A8 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 #45A1A8 looks like.

```
.text, #text, p{  
    color:#45A1A8  
}
```

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 #45A1A8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45A1A8
}
```

## Border

The CSS property to change the border of an element to Hex 45A1A8 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
#45A1A8 }
```

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

```
.border{ border-color:#45A1A8 }
```

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

Here you see how a box with a 4 pixel #45A1A8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45A1A8; -webkit-box-shadow:4px 4px  
4px 4px #45A1A8; box-shadow:4px 4px 4px  
4px #45A1A8 }
```

# Background

The CSS property to change the background color of an element to Hex 45A1A8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45A1A8 }
```

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

```
.background{ background-color:#45A1A8 }
```

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