

# Converting Colors

Hex(45A29A)

Have a look what the booklet for  
Hex(45A29A) contains.

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# Color

Hex(45A29A)

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 45A29A                       |
| RGB         | 69, 162, 154                 |
| RGB Percent | 27%, 64%, 60%                |
| CMY         | 0.7294, 0.3647, 0.3961       |
| CMYK        | 0.57, 0.00, 0.05, 0.36       |
| HSL         | 175°, 40%, 45%               |
| HSV         | 175°, 57%, 64%               |
| XYZ         | 21.2073, 29.4390, 35.1364    |
| YIQ         | 133.2810, -52.8600, -22.2040 |

# Conversions

## Conversions Part 2

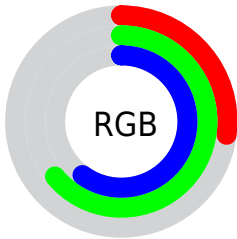
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 69, 118, 162                   |
| Decimal                             | 4563610                        |
| CIELab                              | 61.17, -29.35, -4.13           |
| CIELCh                              | 61, 29.644, 188.018            |
| Yxy                                 | 29.4390, 0.2472,<br>0.3432     |
| Android<br>(android.graphics.Color) | 4282753690<br>(0xFF45A29A)     |
| YUV                                 | 133.2810, 10.2145,<br>-56.3744 |
| Hunter-Lab                          | 54.2577, -25.1819,<br>-0.4149  |

# Details

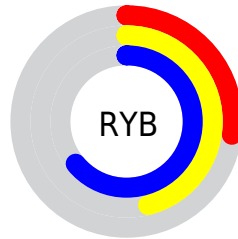
The Hex color **45A29A** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **A2454D**, and the grayscale version is **858585**.

A 20% lighter version of the original color is **7ED9D0**, and **006E67** is the 20% darker color. If you saturate the color by 10%, you get **35A299**, and if you desaturate by 10%, it is **55A29B**.

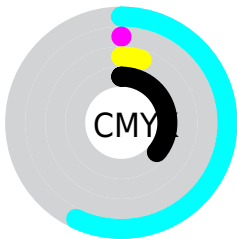
# Distribution



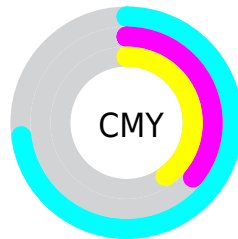
- Red (27%)
- Green (64%)
- Blue (60%)



- Red (27%)
- Yellow (46%)
- Blue (64%)



- Cyan (57%)
- Magenta (0%)
- Yellow (5%)
- Black (36%)



- Cyan (73%)
- Magenta (36%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45A29A 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 45A29A by changing the saturation by 10% instead.





45A29A



45A29A

FFFFFF



258780



7ED9D0



006E67



9AF6ED



00554F



B7FFFF



003D38



D4FFFF



002723



F2FFFF



00090E



000000



45A29A



45A29A



35A299



55A29B

■ 25A297

■ 65A29D

■ 14A296

■ 76A29E

■ 04A294

■ 86A2A0

■ 00A294

■ 96A2A1

■ A6A2A2

■ B6A2A4

■ C7A2A5

■ D7A2A7

# Harmonies

## Analogous

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



63A07F



45A29A



39A0B3

# Triad

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



45A29A



A08ABD



B68B64

# Complementary

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



45A29A



A2454D

# 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.



C58375



45A29A



BB83A8

# Square

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



45A29A



7B94C7



C7808D



9F945F

# Rectangle

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



45A29A



479EBF



C7808D



BC8868



# Sweetspot

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



45A29A



B0D4D1



4EA245



566B69



EBEBEB



6B6B6B



# Same Dimension

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



45A29A



42D4C7



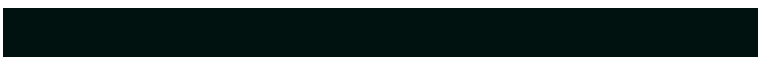
457DA2



495251



009185



001210



# Inverse Universe

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



A2454D



D4424E



A26A45



52494A



91000D

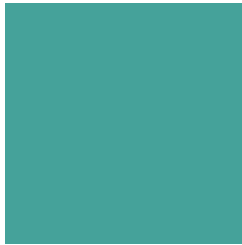


120002



# Previews

## White Background



This preview shows how the Hex color 45A29A looks on a white background.

## Color Contrast Check

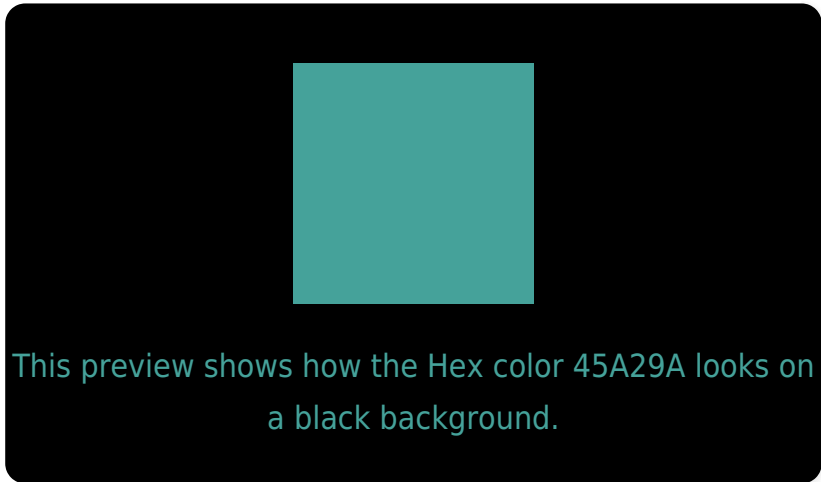
Large Text (above 18pt) WCAG AA ✓ Pass

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

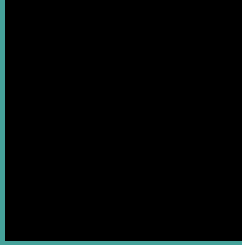
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 45A29A Background



This preview shows how black text looks on a background with the Hex color 45A29A.

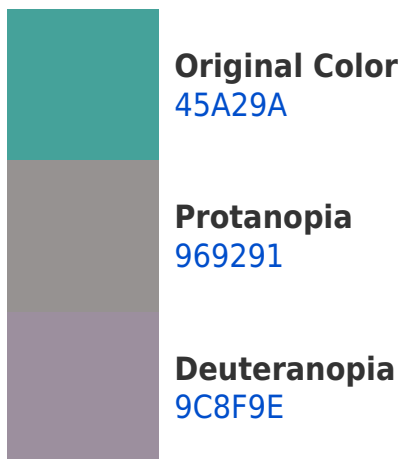


This preview shows how white text looks on a background with the Hex color 45A29A.

# 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**  
4C9FAC

# Trichromacy



**Original Color**  
45A29A



**Protanomaly**  
799894



**Deuteranomaly**  
7C969D



**Tritanomaly**  
49A0A5

# Monochromacy



**Original Color**  
45A29A



**Achromatopsia**  
858585



**Achromatomaly**  
6E908D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45A29A 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 #45A29A looks like.

```
.text, #text, p{  
    color:#45A29A  
}
```

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 #45A29A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45A29A
}
```

## Border

The CSS property to change the border of an element to Hex 45A29A 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
#45A29A }
```

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

```
.border{ border-color:#45A29A }
```

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

Here you see how a box with a 4 pixel #45A29A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45A29A; -webkit-box-shadow:4px 4px  
4px 4px #45A29A; box-shadow:4px 4px 4px  
4px #45A29A }
```

# Background

The CSS property to change the background color of an element to Hex 45A29A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45A29A }
```

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

```
.background{ background-color:#45A29A }
```

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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