

# Converting Colors

Hex(285A9E)

Have a look what the booklet for  
Hex(285A9E) contains.

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# Color

Hex(285A9E)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	285A9E
RGB	40, 90, 158
RGB Percent	16%, 35%, 62%
CMY	0.8431, 0.6471, 0.3804
CMYK	0.75, 0.43, 0.00, 0.38
HSL	215°, 60%, 39%
HSV	215°, 75%, 62%
XYZ	10.7028, 10.2321, 33.7586
YIQ	82.8020, -51.6280, 10.5480

# Conversions

## Conversions Part 2

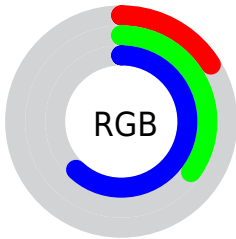
<b>Format</b>	<b>Color</b>
<b>RYB</b>	40, 75, 158
Decimal	2644638
CIELab	38.26, 7.59, -41.82
CIElCh	38, 42.503, 280.282
Yxy	10.2321, 0.1957, 0.1871
Android (android.graphics.Color)	4280834718 (0xFF285A9E)
YUV	82.8020, 37.0726, -37.5374
Hunter-Lab	31.9876, 3.7463, -40.1814

# Details

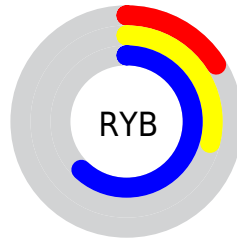
The Hex color **285A9E** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **9E6C28**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **658CD5**, and **002D6A** is the 20% darker color. If you saturate the color by 10%, you get **18519E**, and if you desaturate by 10%, it is **38639E**.

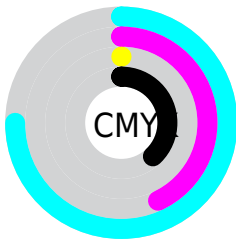
# Distribution



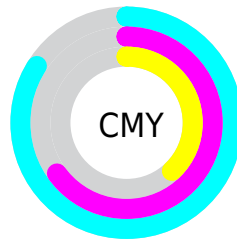
- Red (16%)
- Green (35%)
- Blue (62%)



- Red (16%)
- Yellow (29%)
- Blue (62%)



- Cyan (75%)
- Magenta (43%)
- Yellow (0%)
- Black (38%)



- Cyan (84%)
- Magenta (65%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 285A9E 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 285A9E by changing the saturation by 10% instead.



■ 285A9E

■ 285A9E

FFFFFF

■ 004384

■ 658CD5

■ 002D6A

■ 82A6F2

■ 001A51

■ 9EC1FF

■ 00053A

■ BBDDFF

■ 000223

■ D8F9FF

■ 00000B

■ F6FFFF

■ 000000

■ 285A9E

■ 285A9E

■ 18519E

■ 38639E

■ 08489E

■ 486C9E

■ 00439E

■ 57759E

■ 677E9E

■ 77889E

■ 87919E

■ 979A9E

■ A6A39E

■ B6AC9E

# Harmonies

## Analogous

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



00649B



285A9E



6B4C8F

# Triad

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



285A9E



92422F



006942

# Complementary

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



285A9E



9E6C28

# 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.



3B6422



285A9E



7E5015

# Square

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



285A9E



983950



615C0D



006B65

# Rectangle

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



285A9E



84427D



615C0D



106836



# Sweetspot

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



285A9E



A1B4CF



289E6B



4D5969



E8E8E8



696969



# Same Dimension

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



285A9E



1563CF



30289E



474A4F



003D8F



00060F



# Inverse Universe

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



9E285A



CF1563



969E28



4F474A



8F003D



0F0006



# Previews

## White Background



This preview shows how the Hex color 285A9E looks on a white background.

## Color Contrast Check

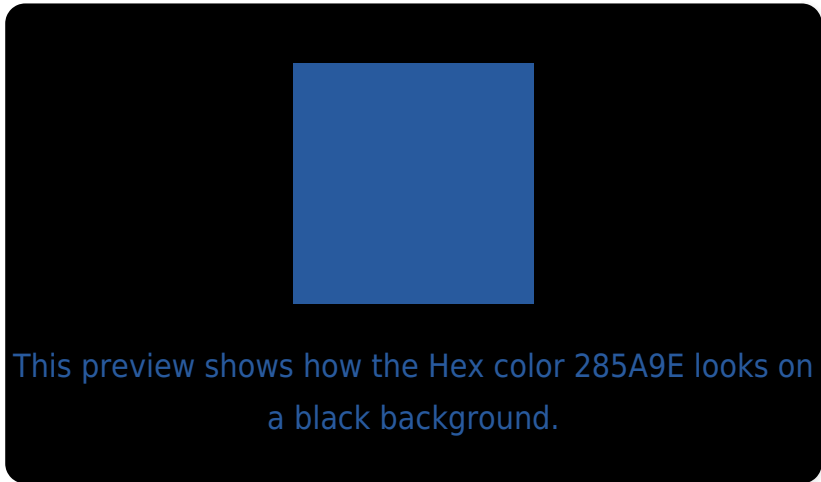
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

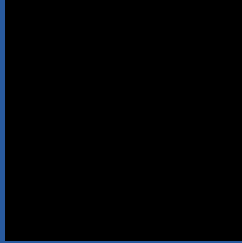
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 285A9E Background



This preview shows how black text looks on a background with the Hex color 285A9E.



This preview shows how white text looks on a background with the Hex color 285A9E.

# 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](#).

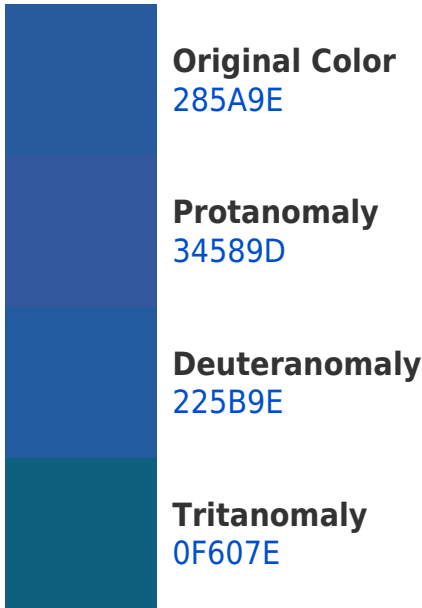
## Dichromacy



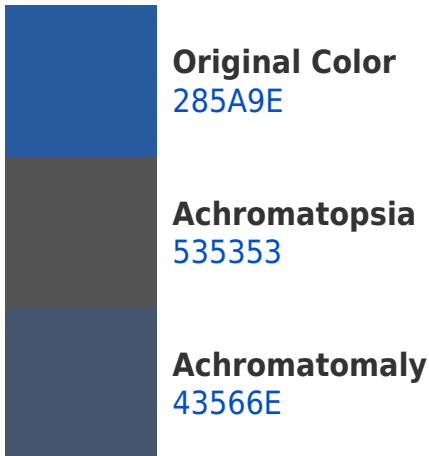


**Tritanopia**  
00646B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 285A9E 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 #285A9E looks like.

```
.text, #text, p{  
    color:#285A9E  
}
```

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 #285A9E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #285A9E
}
```

## Border

The CSS property to change the border of an element to Hex 285A9E 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
#285A9E }
```

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

```
.border{ border-color:#285A9E }
```

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

Here you see how a box with a 4 pixel #285A9E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #285A9E; -webkit-box-shadow:4px 4px  
4px 4px #285A9E; box-shadow:4px 4px 4px  
4px #285A9E }
```

# Background

The CSS property to change the background color of an element to Hex 285A9E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#285A9E }
```

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

```
.background{ background-color:#285A9E }
```

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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