

# Converting Colors

Hex(2A3D9E)

Have a look what the booklet for  
Hex(2A3D9E) contains.

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# Color

**Hex(2A3D9E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2A3D9E
RGB	42, 61, 158
RGB Percent	16%, 24%, 62%
CMY	0.8353, 0.7608, 0.3804
CMYK	0.73, 0.61, 0.00, 0.38
HSL	230°, 58%, 39%
HSV	230°, 73%, 62%
XYZ	8.7951, 6.2983, 33.0999
YIQ	66.3770, -42.4610, 26.1390

# Conversions

## Conversions Part 2

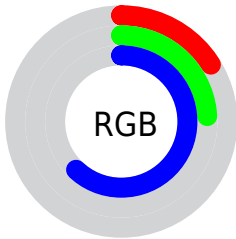
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	42, 58, 158
Decimal	2768286
CIE Lab	30.15, 27.22, -54.90
CIE LCh	30, 61.281, 296.370
Yxy	6.2983, 0.1825, 0.1307
Android (android.graphics.Color)	4280958366 (0xFF2A3D9E)
YUV	66.3770, 45.1701, -21.3786
Hunter-Lab	25.0965, 18.6369, -60.6303

# Details

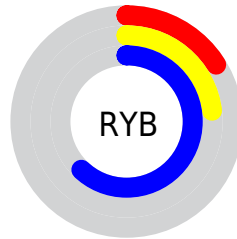
The Hex color **2A3D9E** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **9E8B2A**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **686CD6**, and **001469** is the 20% darker color. If you saturate the color by 10%, you get **1A309E**, and if you desaturate by 10%, it is **3A4A9E**.

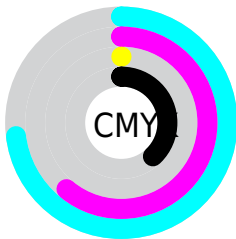
# Distribution



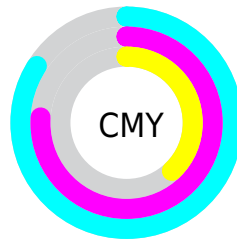
- Red (16%)
- Green (24%)
- Blue (62%)



- Red (16%)
- Yellow (23%)
- Blue (62%)



- Cyan (73%)
- Magenta (61%)
- Yellow (0%)
- Black (38%)



- Cyan (84%)
- Magenta (76%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A3D9E 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 2A3D9E by changing the saturation by 10% instead.



■ 2A3D9E

■ 2A3D9E

FFFFFF

■ 002783

■ 686CD6

■ 001469

■ 8585F2

■ 000051

■ A2A0FF

■ 000539

■ BFBBFF

■ 000222

■ DCD6FF

■ 000008

■ FAF3FF

■ 000000

■ 2A3D9E

■ 2A3D9E

■ 1A309E

■ 3A4A9E

■ 0A239E

■ 4A579E

■ 001A9E

■ 59659E

■ 69729E

■ 797F9E

■ 898C9E

■ 99999E

■ A8A79E

■ B8B49E

# Harmonies

## Analogous

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



0050A8



2A3D9E



781C7D

# Triad

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



2A3D9E



7F2C00



005A40

# Complementary

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



2A3D9E



9E8B2A

# 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.



005707



2A3D9E



5D4300

# Square

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



2A3D9E



940020



2F5000



005A71

# Rectangle

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



2A3D9E



8E005F



2F5000



00592F



# Sweetspot

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



2A3D9E



A1A9CF



2A9E8B



4D5269



E8E8E8



696969



# Same Dimension

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



2A3D9E



1937CF



512A9E



47484F



00178F



00030F



# Inverse Universe

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



9E2A3D



CF1937



779E2A



4F4748



8F0017

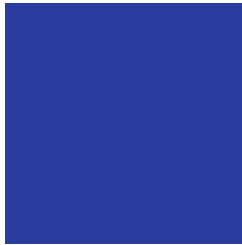


0F0003



# Previews

## White Background



This preview shows how the Hex color 2A3D9E looks on a white background.

## Color Contrast Check

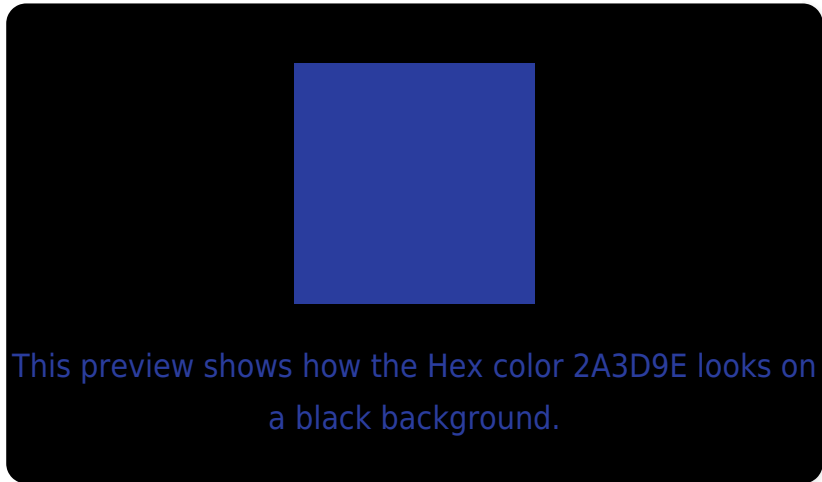
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

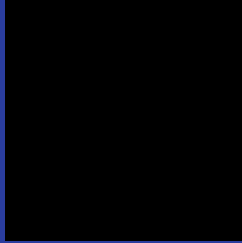
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A3D9E Background



This preview shows how black text looks on a background with the Hex color 2A3D9E.



This preview shows how white text looks on a background with the Hex color 2A3D9E.

# 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**  
004F54

# Trichromacy



**Original Color**  
2A3D9E

**Protanomaly**  
0F4196

**Deuteranomaly**  
0F4588

**Tritanomaly**  
0F486F

# Monochromacy



**Original Color**  
2A3D9E

**Achromatopsia**  
424242

**Achromatomaly**  
394063

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A3D9E 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 #2A3D9E looks like.

```
.text, #text, p{  
    color:#2A3D9E  
}
```

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 #2A3D9E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A3D9E
}
```

## Border

The CSS property to change the border of an element to Hex 2A3D9E 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
#2A3D9E }
```

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

```
.border{ border-color:#2A3D9E }
```

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

Here you see how a box with a 4 pixel #2A3D9E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A3D9E; -webkit-box-shadow:4px 4px  
4px 4px #2A3D9E; box-shadow:4px 4px 4px  
4px #2A3D9E }
```

# Background

The CSS property to change the background color of an element to Hex 2A3D9E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A3D9E }
```

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

```
.background{ background-color:#2A3D9E }
```

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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