

# Converting Colors

Hex(2A5A8B)

Have a look what the booklet for  
Hex(2A5A8B) contains.

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# Color

**Hex(2A5A8B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2A5A8B
RGB	42, 90, 139
RGB Percent	16%, 35%, 55%
CMY	0.8353, 0.6471, 0.4549
CMYK	0.70, 0.35, 0.00, 0.45
HSL	210°, 54%, 35%
HSV	210°, 70%, 55%
XYZ	9.2712, 9.6686, 25.8037
YIQ	81.2340, -44.3370, 5.0630

# Conversions

## Conversions Part 2

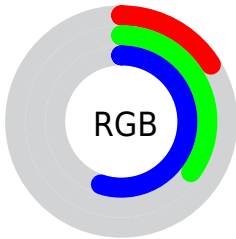
<b>Format</b>	<b>Color</b>
<b>RYB</b>	42, 74, 139
Decimal	2775691
CIELab	37.24, 0.68, -31.97
CIELCh	37, 31.979, 271.211
Yxy	9.6686, 0.2072, 0.2161
Android (android.graphics.Color)	4280965771 (0xFF2A5A8B)
YUV	81.2340, 28.4786, -34.4082
Hunter-Lab	31.0945, -1.1932, -27.4356




# Details

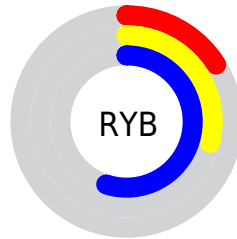
The Hex color **2A5A8B** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **8B5B2A**, and the grayscale version is **515151**.




A 20% lighter version of the original color is **638CC1**, and **002D59** is the 20% darker color. If you saturate the color by 10%, you get **1C538B**, and if you desaturate by 10%, it is **38618B**.

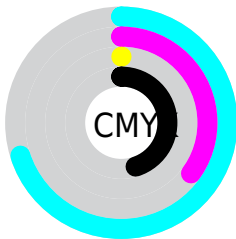
# Distribution







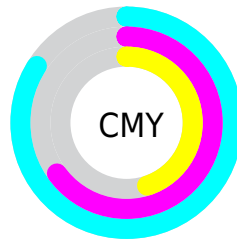
-  Red (16%)
-  Green (35%)
-  Blue (55%)






-  Red (16%)
-  Yellow (29%)
-  Blue (55%)



-  Cyan (70%)
-  Magenta (35%)
-  Yellow (0%)
-  Black (45%)



-  Cyan (84%)
-  Magenta (65%)
-  Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A5A8B 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 2A5A8B by changing the saturation by 10% instead.



■ 2A5A8B

■ 2A5A8B

FFFFFF

■ 004371

■ 638CC1

■ 002D59

■ 7EA6DD

■ 001941

■ 9AC1F9

■ 00032B

■ B6DDFF

■ 000115

■ D3F9FF

■ 000000

■ F0FFFF

■ 2A5A8B

■ 2A5A8B

■ 1C538B

■ 38618B

0E4C8B

46688B

00458B

546F8B

62768B

6F7D8B

7D848B

8B8B8B

99928B

A7998B

# Harmonies

## Analogous

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



006184



2A5A8B



5B5084

# Triad

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



2A5A8B



86453E



29633E

# Complementary

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



2A5A8B



8B5B2A

# 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.



4B5E2A



2A5A8B



7A4D2B

# Square

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



2A5A8B



874258



665722



006558

# Rectangle

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



2A5A8B



704A78



665722



366136



# Sweetspot

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



2A5A8B



8FA2B5



2A8B5A



45505C



DBDBDB



5C5C5C



# Same Dimension

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



2A5A8B



1D68B5



2A2A8B



3E4145



004285



000305



# Inverse Universe

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



8B2A5A



B51D68



8B8B2A



453E41



850042



050003



# Previews

## White Background



This preview shows how the Hex color 2A5A8B looks on a white background.

## Color Contrast Check

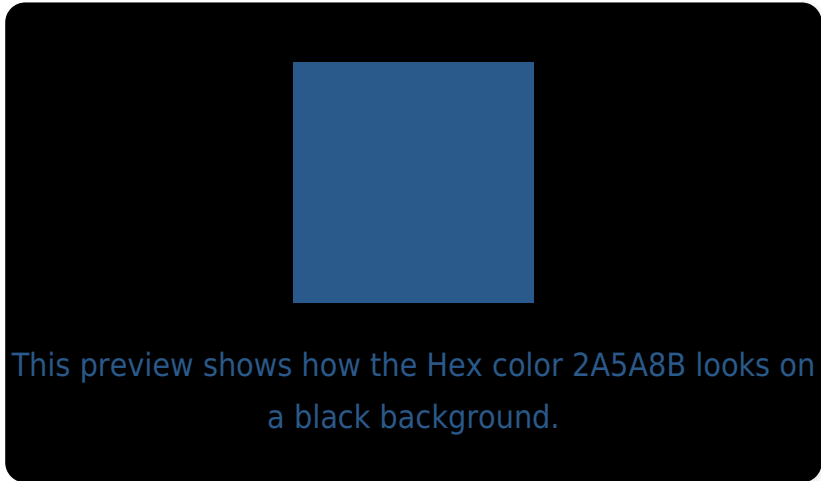
Large Text (above 18pt) WCAG AA ✓ Pass

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 2A5A8B Background



This preview shows how black text looks on a background with the Hex color 2A5A8B.

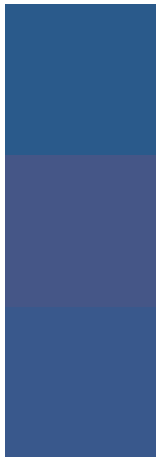


This preview shows how white text looks on a background with the Hex color 2A5A8B.

# 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



**Original Color**  
2A5A8B

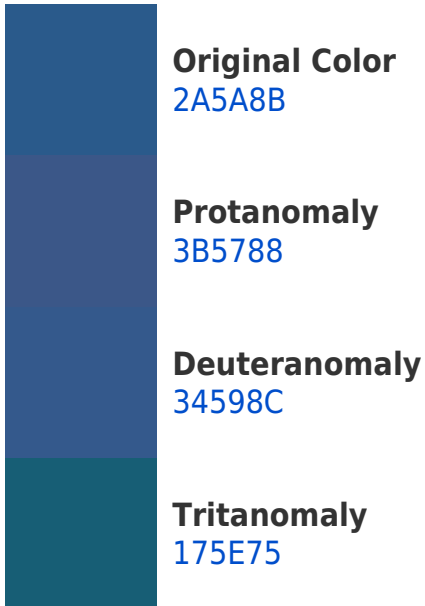
**Protanopia**  
455687

**Deuteranopia**  
39588C

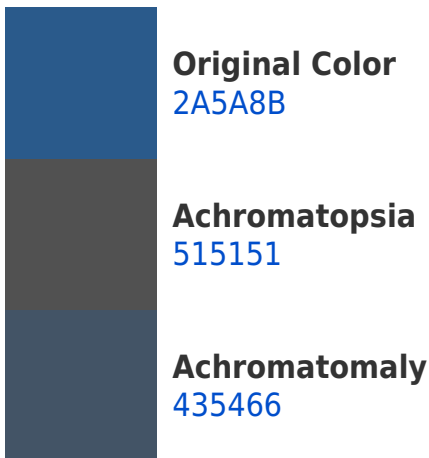


**Tritanopia**  
0C6169

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A5A8B 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 #2A5A8B looks like.

```
.text, #text, p{  
    color:#2A5A8B  
}
```

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 #2A5A8B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A5A8B
}
```

## Border

The CSS property to change the border of an element to Hex 2A5A8B 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
#2A5A8B }
```

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

```
.border{ border-color:#2A5A8B }
```

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

Here you see how a box with a 4 pixel #2A5A8B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A5A8B; -webkit-box-shadow:4px 4px  
4px 4px #2A5A8B; box-shadow:4px 4px 4px  
4px #2A5A8B }
```

# Background

The CSS property to change the background color of an element to Hex 2A5A8B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A5A8B }
```

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

```
.background{ background-color:#2A5A8B }
```

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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