

# Converting Colors

Hex(2F5AA6)

Have a look what the booklet for  
Hex(2F5AA6) contains.

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# Color

**Hex(2F5AA6)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2F5AA6
RGB	47, 90, 166
RGB Percent	18%, 35%, 65%
CMY	0.8157, 0.6471, 0.3490
CMYK	0.72, 0.46, 0.00, 0.35
HSL	218°, 56%, 42%
HSV	218°, 72%, 65%
XYZ	11.7114, 10.6698, 37.5186
YIQ	85.8070, -50.0240, 14.5200

# Conversions

## Conversions Part 2

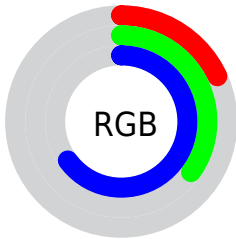
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 79, 166
Decimal	3103398
CIELab	39.02, 11.66, -45.35
CIElCh	39, 46.828, 284.413
Yxy	10.6698, 0.1955, 0.1781
Android (android.graphics.Color)	4281293478 (0xFF2F5AA6)
YUV	85.8070, 39.5351, -34.0337
Hunter-Lab	32.6647, 6.8349, -45.2350

# Details

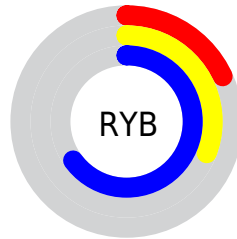
The Hex color **2F5AA6** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **A67B2F**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **6C8CDE**, and **002D71** is the 20% darker color. If you saturate the color by 10%, you get **1E4FA6**, and if you desaturate by 10%, it is **4065A6**.

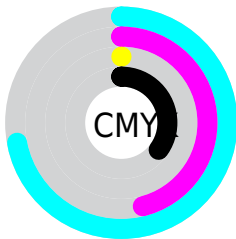
# Distribution



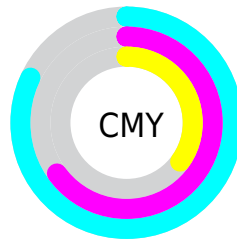
- Red (18%)
- Green (35%)
- Blue (65%)



- Red (18%)
- Yellow (31%)
- Blue (65%)



- Cyan (72%)
- Magenta (46%)
- Yellow (0%)
- Black (35%)



- Cyan (82%)
- Magenta (65%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F5AA6 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 2F5AA6 by changing the saturation by 10% instead.



■ 2F5AA6

■ 2F5AA6

FFFFFF

■ 00438B

■ 6C8CDE

■ 002D71

■ 88A6FA

■ 001A58

■ A5C1FF

■ 000141

■ C2DDFF

■ 00032A

■ DFF9FF

■ 000114

FDFFFF

■ 000000

■ 2F5AA6

■ 2F5AA6

■ 1E4FA6

■ 4065A6

■ 0E45A6

■ 506FA6

■ 003CA6

■ 617AA6

■ 7184A6

■ 828FA6

■ 939AA6

■ A3A4A6

■ B4AFA6

■ C4B9A6

# Harmonies

## Analogous

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



0066A5



2F5AA6



754993

# Triad

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



2F5AA6



974328



006C46

# Complementary

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



2F5AA6



A67B2F

# 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.



316821



2F5AA6



7F5308

# Square

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



2F5AA6



A0364B



5D6002



006E6E

# Rectangle

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



2F5AA6



8E3E7D



5D6002



006B39



# Sweetspot

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



2F5AA6



A9BAD9



2FA67A



515B6E



EDEDED



6E6E6E



# Same Dimension

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



2F5AA6



1E62D9



3F2FA6



4C4F54



003594



000714



# Inverse Universe

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



A62F5A



D91E62



96A62F



544C4F



940035



140007



# Previews

## White Background



This preview shows how the Hex color 2F5AA6 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

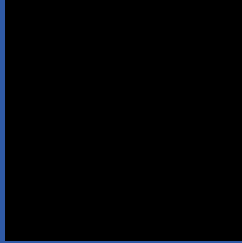
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2F5AA6 Background



This preview shows how black text looks on a background with the Hex color 2F5AA6.



This preview shows how white text looks on a background with the Hex color 2F5AA6.

# 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](#).

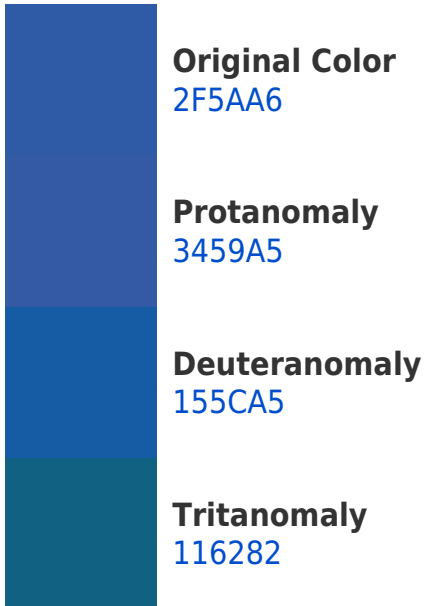
## Dichromacy



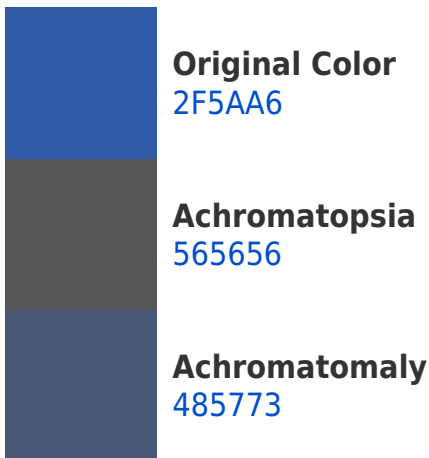


**Tritanopia**  
00666D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F5AA6 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 #2F5AA6 looks like.

```
.text, #text, p{  
    color:#2F5AA6  
}
```

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 #2F5AA6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F5AA6  
}
```

## Border

The CSS property to change the border of an element to Hex 2F5AA6 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  
#2F5AA6 }
```

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

```
.border{ border-color:#2F5AA6 }
```

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

Here you see how a box with a 4 pixel #2F5AA6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F5AA6; -webkit-box-shadow:4px 4px  
4px 4px #2F5AA6; box-shadow:4px 4px 4px  
4px #2F5AA6 }
```

# Background

The CSS property to change the background color of an element to Hex 2F5AA6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F5AA6 }
```

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

```
.background{ background-color:#2F5AA6 }
```

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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