

# Converting Colors

Hex(2977A3)

Have a look what the booklet for  
Hex(2977A3) contains.

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# Color

Hex(2977A3)

# Conversions

## Conversions Part 1

Format	Color
Hex	2977A3
RGB	41, 119, 163
RGB Percent	16%, 47%, 64%
CMY	0.8392, 0.5333, 0.3608
CMYK	0.75, 0.27, 0.00, 0.36
HSL	202°, 60%, 40%
HSV	202°, 75%, 64%
XYZ	14.1221, 16.3094, 37.0540
YIQ	100.6940, -60.6120, -2.8520

# Conversions

## Conversions Part 2

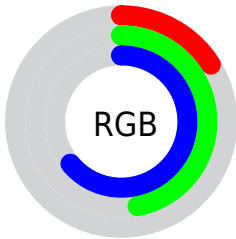
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	41, 89, 163
Decimal	2717603
CIE Lab	47.38, -8.36, -30.36
CIE LCh	47, 31.490, 254.611
Yxy	16.3094, 0.2093, 0.2417
Android (android.graphics.Color)	4280907683 (0xFF2977A3)
YUV	100.6940, 30.7169, -52.3516
Hunter-Lab	40.3849, -8.2542, -26.1304

# Details

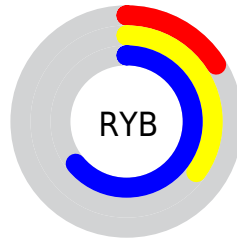
The Hex color **2977A3** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **A35529**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **67ABDA**, and **00476F** is the 20% darker color. If you saturate the color by 10%, you get **1971A3**, and if you desaturate by 10%, it is **397DA3**.

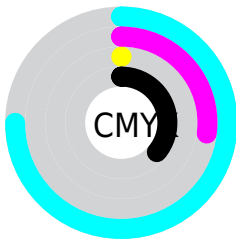
# Distribution



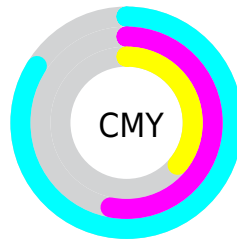
- Red (16%)
- Green (47%)
- Blue (64%)



- Red (16%)
- Yellow (35%)
- Blue (64%)



- Cyan (75%)
- Magenta (27%)
- Yellow (0%)
- Black (36%)



- Cyan (84%)
- Magenta (53%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2977A3 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 2977A3 by changing the saturation by 10% instead.



■ 2977A3

■ 2977A3

FFFFFF

■ 005E89

■ 67ABDA

■ 00476F

■ 84C6F7

■ 003156

■ A1E2FF

■ 001C3F

■ BEFFFF

■ 000329

■ DBFFFF

■ 000113

■ F9FFFF

■ 000000

■ 2977A3

■ 2977A3

■ 1971A3

■ 397DA3

086BA3

4A83A3

0068A3

5A89A3

6A8FA3

7A94A3

8B9AA3

9BA0A3

ABA6A3

BCACA3

# Harmonies

## Analogous

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



007C95



2977A3



5E6FA3

# Triad

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



2977A3



A35B64



577A4A

# Complementary

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



2977A3



A35529

# 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.



74733C



2977A3



9E614C

# Square

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



2977A3



9B5D7F



8D6A3D



327D61

# Rectangle

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



2977A3



78689C



8D6A3D



617844



# Sweetspot

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



2977A3



A5C3D4



29A354



4F616B



EBEBEB



6B6B6B



# Same Dimension

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



2977A3



158FD4



293BA3



494F52



005D91



000B12



# Inverse Universe

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



A32977



D4158F



A39129



52494F



91005D



12000B



# Previews

## White Background



This preview shows how the Hex color 2977A3 looks on a white background.

## Color Contrast Check

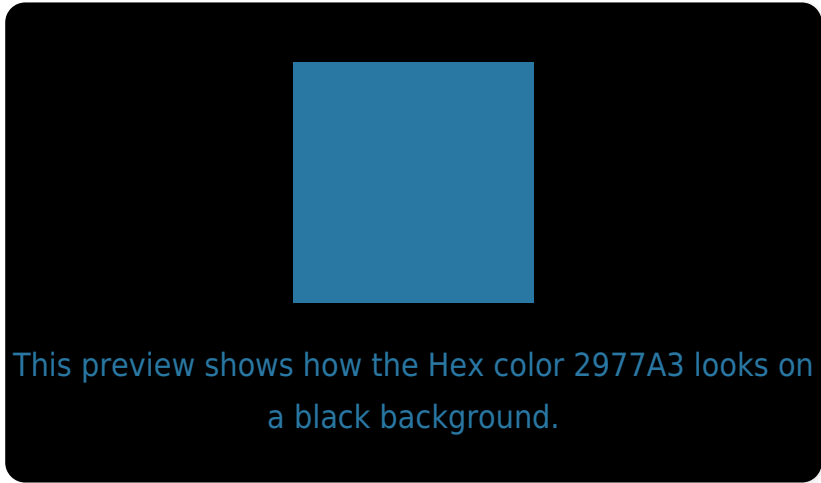
Large Text (above 18pt) WCAG AA ✓ Pass

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

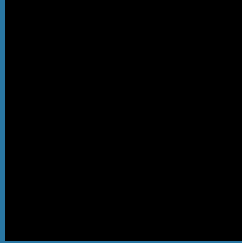
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2977A3 Background



This preview shows how black text looks on a background with the Hex color 2977A3.

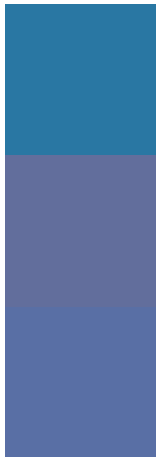


This preview shows how white text looks on a background with the Hex color 2977A3.

# 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**  
2977A3

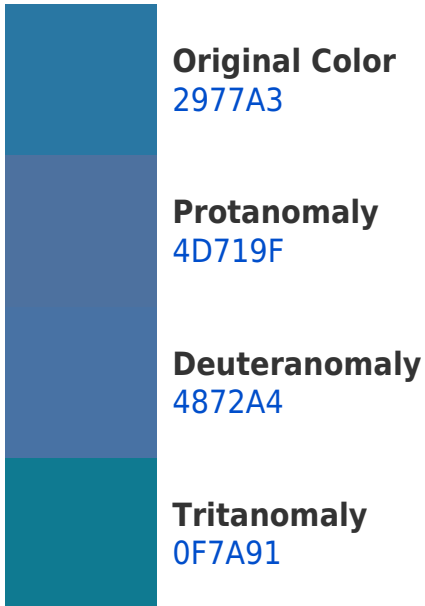
**Protanopia**  
626E9C

**Deuteranopia**  
596FA5

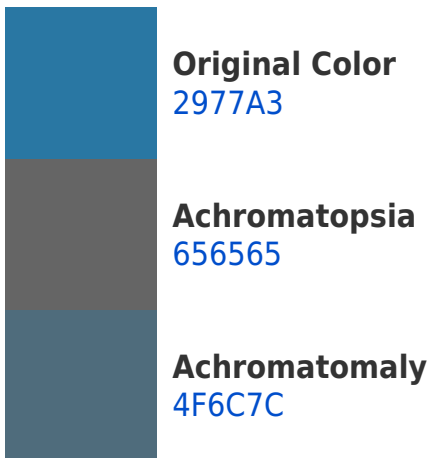


**Tritanopia**  
007C86

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2977A3 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 #2977A3 looks like.

```
.text, #text, p{  
    color:#2977A3  
}
```

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 #2977A3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2977A3
}
```

## Border

The CSS property to change the border of an element to Hex 2977A3 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
#2977A3 }
```

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

```
.border{ border-color:#2977A3 }
```

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

Here you see how a box with a 4 pixel #2977A3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2977A3; -webkit-box-shadow:4px 4px  
4px 4px #2977A3; box-shadow:4px 4px 4px  
4px #2977A3 }
```

# Background

The CSS property to change the background color of an element to Hex 2977A3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2977A3 }
```

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

```
.background{ background-color:#2977A3 }
```

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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