

# Converting Colors

Hex(2A74A3)

Have a look what the booklet for  
Hex(2A74A3) contains.

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# Color

Hex(2A74A3)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2A74A3
RGB	42, 116, 163
RGB Percent	16%, 45%, 64%
CMY	0.8353, 0.5451, 0.3608
CMYK	0.74, 0.29, 0.00, 0.36
HSL	203°, 59%, 40%
HSV	203°, 74%, 64%
XYZ	13.8111, 15.6274, 36.9388
YIQ	99.2320, -59.1910, -1.0710

# Conversions

## Conversions Part 2

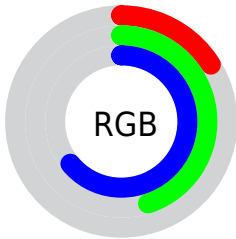
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 88, 163
Decimal	2782371
CIE <sub>Lab</sub>	46.48, -6.45, -31.76
CIE <sub>LCh</sub>	46, 32.410, 258.516
Yxy	15.6274, 0.2081, 0.2354
Android (android.graphics.Color)	4280972451 (0xFF2A74A3)
YUV	99.2320, 31.4376, -50.1925
Hunter-Lab	39.5315, -6.8176, -27.7294

# Details

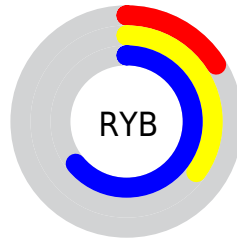
The Hex color **2A74A3** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **A3592A**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **68A8DA**, and **00446F** is the 20% darker color. If you saturate the color by 10%, you get **1A6EA3**, and if you desaturate by 10%, it is **3A7AA3**.

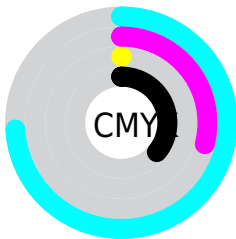
# Distribution



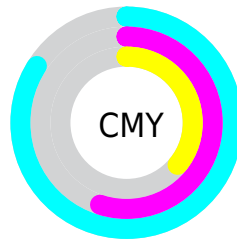
- Red (16%)
- Green (45%)
- Blue (64%)



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



- Cyan (74%)
- Magenta (29%)
- Yellow (0%)
- Black (36%)



- Cyan (84%)
- Magenta (55%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A74A3 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 2A74A3 by changing the saturation by 10% instead.



■ 2A74A3

■ 2A74A3

FFFFFF

■ 005C89

■ 68A8DA

■ 00446F

■ 85C3F7

■ 002E56

■ A1DFFF

■ 001A3F

■ BEFBFF

■ 000329

■ DBFFFF

■ 000112

■ F9FFFF

■ 000000

■ 2A74A3

■ 2A74A3

■ 1A6EA3

■ 3A7AA3

0967A3

4B81A3

0064A3

5B87A3

6B8DA3

7B94A3

8C9AA3

9CA0A3

ACA7A3

BDADA3

# Harmonies

## Analogous

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



007A96



2A74A3



616BA2

# Triad

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



2A74A3



A2595E



4F7849

# Complementary

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



2A74A3



A3592A

# 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.



6E7239



2A74A3



9B5F47

# Square

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



2A74A3



9C597A



886938



267C62

# Rectangle

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



2A74A3



7B6499



886938



5A7642



# Sweetspot

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



2A74A3



A5C2D4



2AA358



4F606B



EBEBEB



6B6B6B



# Same Dimension

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



2A74A3



178AD4



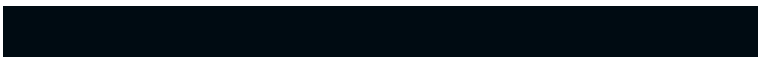
2A38A3



494E52



005991



000B12



# Inverse Universe

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



A32A74



D4178A



A3952A



52494E



910059



12000B



# Previews

## White Background



This preview shows how the Hex color 2A74A3 looks on a white background.

### Color Contrast Check

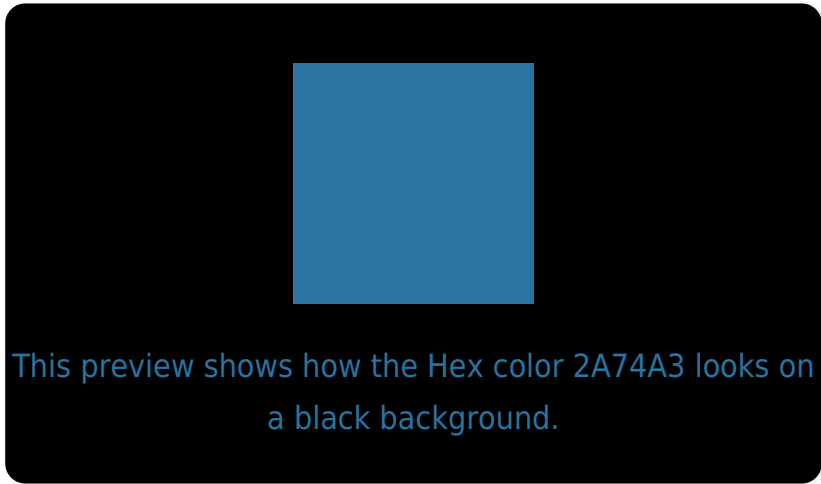
Large Text (above 18pt) WCAG AA ✓ Pass

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

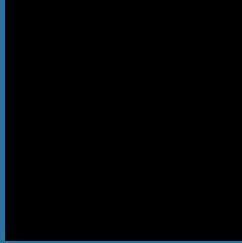
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A74A3 Background



This preview shows how black text looks on a background with the Hex color 2A74A3.

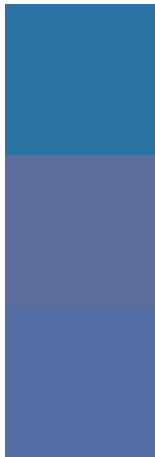


This preview shows how white text looks on a background with the Hex color 2A74A3.

# 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**  
2A74A3

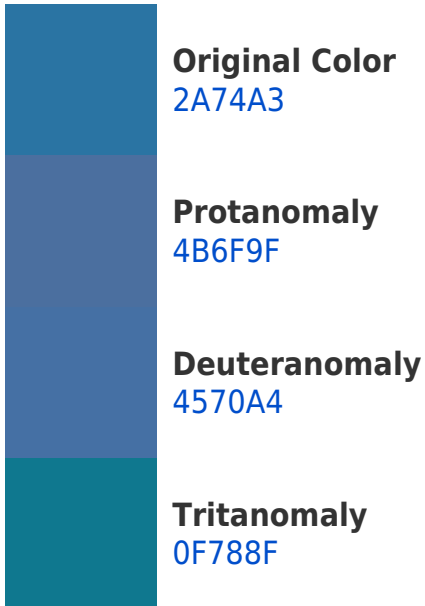
**Protanopia**  
5E6C9C

**Deuteranopia**  
546DA5

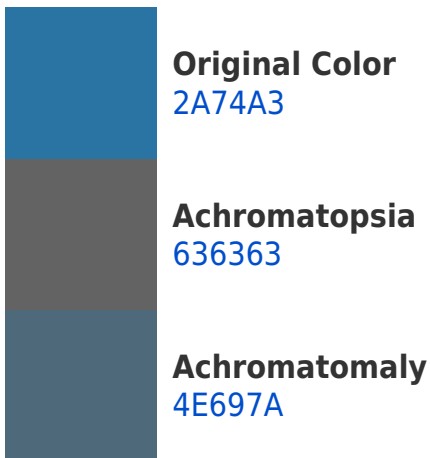


**Tritanopia**  
007A84

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A74A3 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 #2A74A3 looks like.

```
.text, #text, p{  
    color:#2A74A3  
}
```

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 #2A74A3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A74A3
}
```

## Border

The CSS property to change the border of an element to Hex 2A74A3 is called "border". The border property can be set on classes, ids or directly on the HTML element.

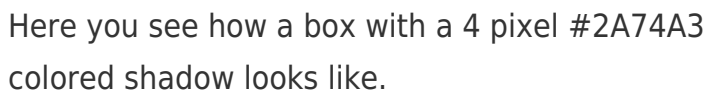
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2A74A3 }
```

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

```
.border{ border-color:#2A74A3 }
```

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



Here you see how a box with a 4 pixel #2A74A3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A74A3; -webkit-box-shadow:4px 4px  
4px 4px #2A74A3; box-shadow:4px 4px 4px  
4px #2A74A3 }
```

# Background

The CSS property to change the background color of an element to Hex 2A74A3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A74A3 }
```

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

```
.background{ background-color:#2A74A3 }
```

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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