

# Converting Colors

Hex(2A7991)

Have a look what the booklet for  
Hex(2A7991) contains.

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# Color

**Hex(2A7991)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A7991
RGB	42, 121, 145
RGB Percent	16%, 47%, 57%
CMY	0.8353, 0.5255, 0.4314
CMYK	0.71, 0.17, 0.00, 0.43
HSL	194°, 55%, 37%
HSV	194°, 71%, 57%
XYZ	12.9031, 16.2113, 29.2371
YIQ	100.1150, -54.7880, -9.2840

# Conversions

## Conversions Part 2

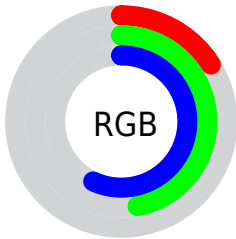
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 87, 145
Decimal	2783633
CIE <sub>Lab</sub>	47.25, -15.66, -19.98
CIE <sub>LCh</sub>	47, 25.382, 231.910
Yxy	16.2113, 0.2211, 0.2778
Android (android.graphics.Color)	4280973713 (0xFF2A7991)
YUV	100.1150, 22.1283, -50.9669
Hunter-Lab	40.2633, -13.2574, -14.8690

# Details

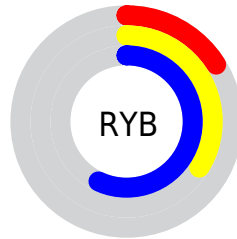
The Hex color **2A7991** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **91422A**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **65ADC7**, and **00485E** is the 20% darker color. If you saturate the color by 10%, you get **1B7691**, and if you desaturate by 10%, it is **387C91**.

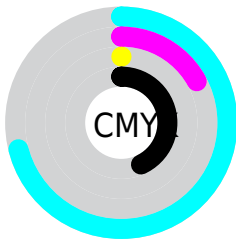
# Distribution



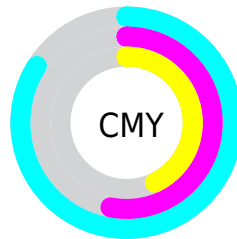
- Red (16%)
- Green (47%)
- Blue (57%)



- Red (16%)
- Yellow (34%)
- Blue (57%)



- Cyan (71%)
- Magenta (17%)
- Yellow (0%)
- Black (43%)



- Cyan (84%)
- Magenta (53%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A7991 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 2A7991 by changing the saturation by 10% instead.



 2A7991

 2A7991

FFFFFF

 006077

 65ADC7

 00485E

 81C9E3

 003247

 9EE5FF

 001D30

 BAE5FF

 00011C

 D7FFFF

 000000

 F5FFFF

 2A7991

 2A7991

 1B7691

 387C91

0D7291

478091

006F91

568391

648791

728A91

818D91

8F9191

9E9491

AD9791

# Harmonies

## Analogous

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



257B7F



2A7991



49749A

# Triad

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



2A7991



966077



6F7448

# Complementary

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



2A7991



91422A

# 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.



846D46



2A7991



9A6161

# Square

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



2A7991



86658B



93664F



567955

# Rectangle

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



2A7991



606F9A



93664F



767146



# Sweetspot

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



2A7991



95B3BD



2A9140



47595E



DEDEDE



5E5E5E



# Same Dimension

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



2A7991



1C97BD



2A4791



404647



006887



000608



# Inverse Universe

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



912A79



BD1C97



91742A



474046



870068



080006



# Previews

## White Background



This preview shows how the Hex color 2A7991 looks on a white background.

## Color Contrast Check

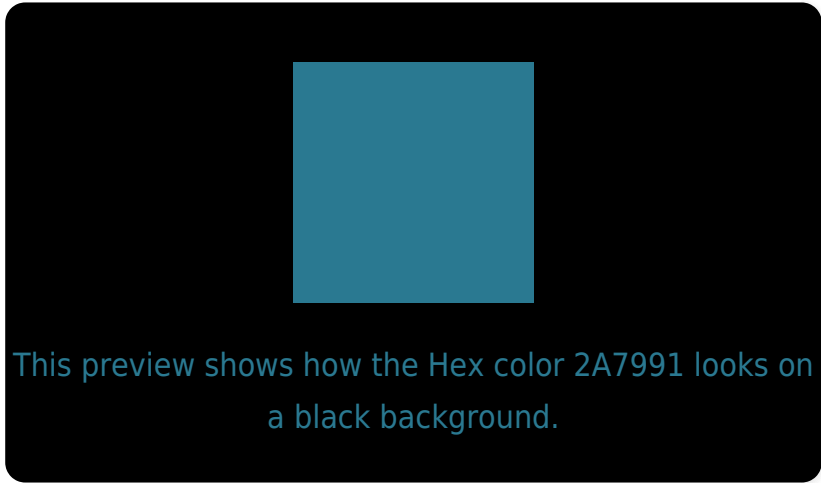
Large Text (above 18pt) WCAG AA ✓ Pass

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

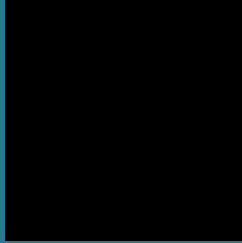
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A7991 Background



This preview shows how black text looks on a background with the Hex color 2A7991.

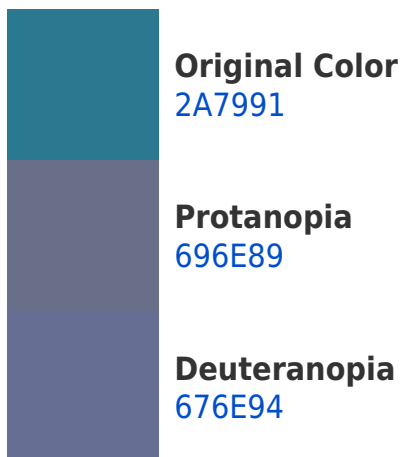


This preview shows how white text looks on a background with the Hex color 2A7991.

# 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](#).

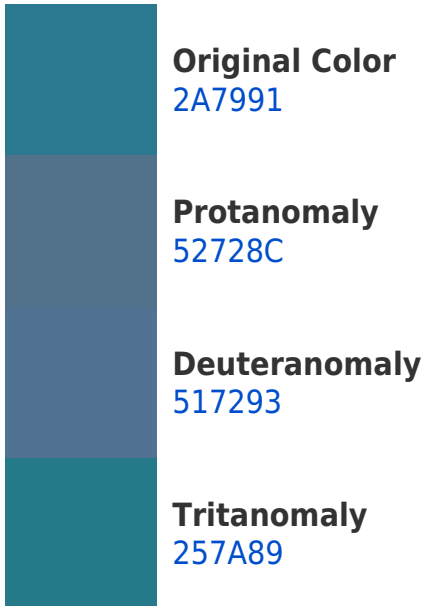
## Dichromacy





**Tritanopia**  
227B85

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A7991 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 #2A7991 looks like.

```
.text, #text, p{  
    color:#2A7991  
}
```

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 #2A7991 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A7991
}
```

## Border

The CSS property to change the border of an element to Hex 2A7991 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
#2A7991 }
```

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

```
.border{ border-color:#2A7991 }
```

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

Here you see how a box with a 4 pixel #2A7991 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A7991; -webkit-box-shadow:4px 4px  
4px 4px #2A7991; box-shadow:4px 4px 4px  
4px #2A7991 }
```

# Background

The CSS property to change the background color of an element to Hex 2A7991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A7991 }
```

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

```
.background{ background-color:#2A7991 }
```

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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