

# Converting Colors

Hex(2980B9)

Have a look what the booklet for  
Hex(2980B9) contains.

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**Color**

**Hex(2980B9)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2980B9
RGB	41, 128, 185
RGB Percent	16%, 50%, 73%
CMY	0.8392, 0.4980, 0.2745
CMYK	0.78, 0.31, 0.00, 0.27
HSL	204°, 64%, 44%
HSV	204°, 78%, 73%
XYZ	17.3906, 19.4125, 48.7294
YIQ	108.4850, -70.1490, -0.7170

# Conversions

## Conversions Part 2

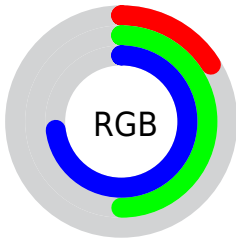
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	41, 95, 185
Decimal	2719929
CIE <sub>Lab</sub>	51.17, -5.66, -37.18
CIE <sub>LCh</sub>	51, 37.606, 261.349
Yxy	19.4125, 0.2033, 0.2270
Android (android.graphics.Color)	4280910009 (0xFF2980B9)
YUV	108.4850, 37.7219, -59.1843
Hunter-Lab	44.0597, -6.6495, -34.7321

# Details

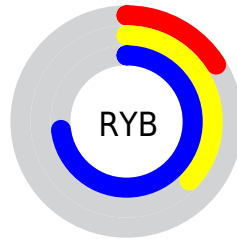
The Hex color **2980B9** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **B96229**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **6CB5F1**, and **004F84** is the 20% darker color. If you saturate the color by 10%, you get **1679B9**, and if you desaturate by 10%, it is **3C87B9**.

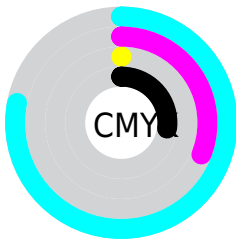
# Distribution



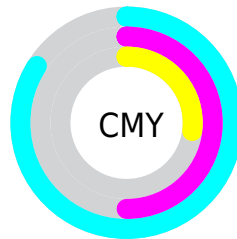
- Red (16%)
- Green (50%)
- Blue (73%)



- Red (16%)
- Yellow (37%)
- Blue (73%)



- Cyan (78%)
- Magenta (31%)
- Yellow (0%)
- Black (27%)



- Cyan (84%)
- Magenta (50%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2980B9 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 2980B9 by changing the saturation by 10% instead.



 2980B9

 2980B9

FFFFFF

 00679E

 6CB5F1

 004F84

 8AD0FF

 00396A

 A7ECFF

 002451

 C5FFFF

 000D3A

 E2FFFF

 000224

 00000B

 000000

 2980B9

 2980B9

■ 1679B9

■ 3C87B9

■ 0471B9

■ 4E8FB9

■ 0070B9

■ 6196B9

■ 739DB9

■ 85A5B9

■ 98ACB9

■ ABB3B9

■ BDBBB9

■ D0C2B9

# Harmonies

## Analogous

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



0087AB



2980B9



6E75B6

# Triad

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



2980B9



B76164



518650

# Complementary

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



2980B9



B96229

# 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.



777F3C



2980B9



AC6949

# Square

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



2980B9



B16085



957539



148A6F

# Rectangle

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



2980B9



8C6DAA



957539



5E8448

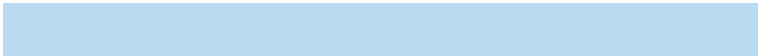


# Sweetspot

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



2980B9



B9DAF0



29B960



566B78



F7F7F7



787878



# Same Dimension

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



2980B9



1197F0



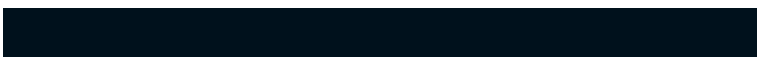
293AB9



53585C



005E9C



00111C



# Inverse Universe

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



B92980



F01197



B9A829



5C5358



9C005E



1C0011



# Previews

## White Background



This preview shows how the Hex color 2980B9 looks on a white background.

## Color Contrast Check

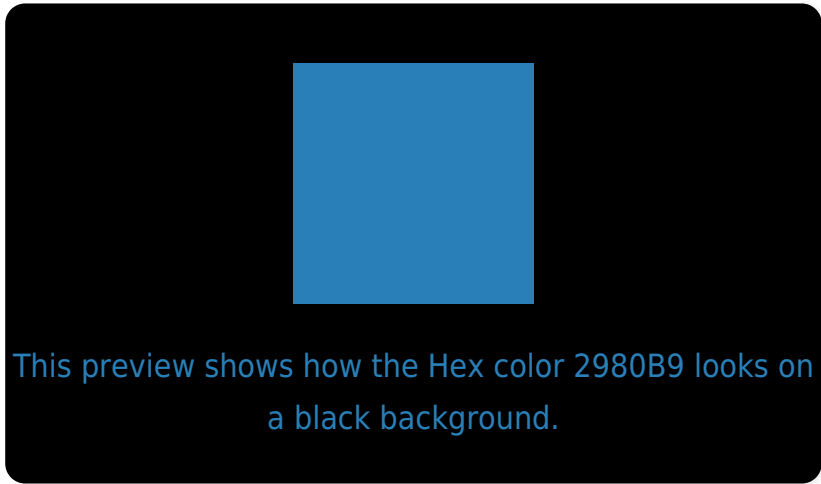
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

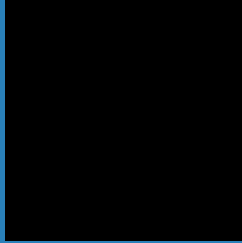
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2980B9 Background



This preview shows how black text looks on a background with the Hex color 2980B9.



This preview shows how white text looks on a background with the Hex color 2980B9.

# 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](#).

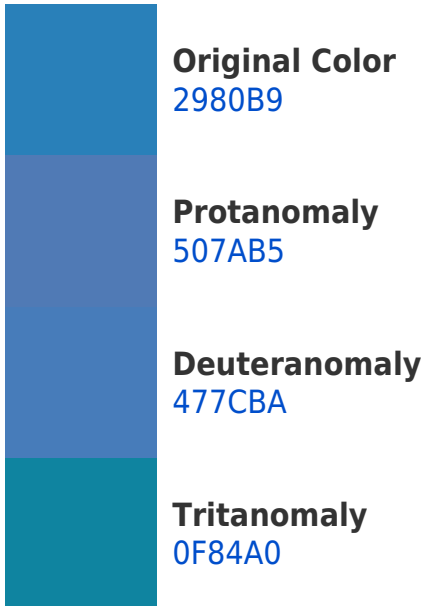
## Dichromacy



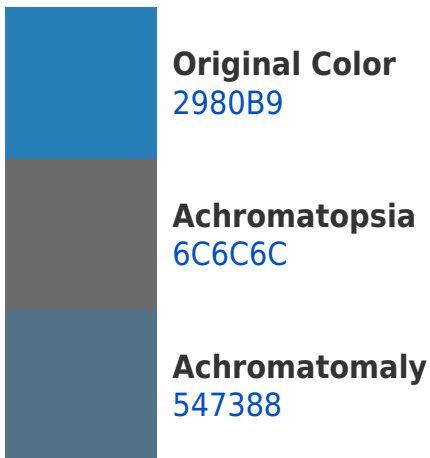


**Tritanopia**  
008791

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2980B9 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 #2980B9 looks like.

```
.text, #text, p{  
    color:#2980B9  
}
```

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 #2980B9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2980B9
}
```

## Border

The CSS property to change the border of an element to Hex 2980B9 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
#2980B9 }
```

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

```
.border{ border-color:#2980B9 }
```

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

Here you see how a box with a 4 pixel #2980B9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2980B9; -webkit-box-shadow:4px 4px  
4px 4px #2980B9; box-shadow:4px 4px 4px  
4px #2980B9 }
```

# Background

The CSS property to change the background color of an element to Hex 2980B9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2980B9 }
```

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

```
.background{ background-color:#2980B9 }
```

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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