

# Converting Colors

Hex(228F99)

Have a look what the booklet for  
Hex(228F99) contains.

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# Color

**Hex(228F99)**

# Conversions

## Conversions Part 1

Format	Color
Hex	228F99
RGB	34, 143, 153
RGB Percent	13%, 56%, 60%
CMY	0.8667, 0.4392, 0.4000
CMYK	0.78, 0.07, 0.00, 0.40
HSL	185°, 64%, 37%
HSV	185°, 78%, 60%
XYZ	16.2319, 22.2849, 33.5829
YIQ	111.5490, -68.1740, -19.9980

# Conversions

## Conversions Part 2

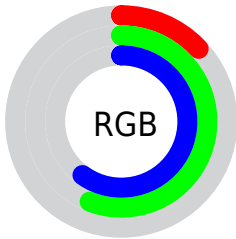
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 91, 153
Decimal	2264985
CIELab	54.33, -25.73, -13.87
CIELCh	54, 29.235, 208.331
Yxy	22.2849, 0.2251, 0.3091
Android (android.graphics.Color)	4280455065 (0xFF228F99)
YUV	111.5490, 20.4353, -68.0105
Hunter-Lab	47.2069, -21.2355, -9.1340




# Details

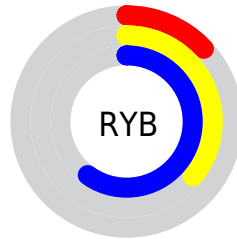
The Hex color **228F99** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **992C22**, and the grayscale version is **6F6F6F**.




A 20% lighter version of the original color is **64C5CF**, and **005C66** is the 20% darker color. If you saturate the color by 10%, you get **138E99**, and if you desaturate by 10%, it is **319099**.

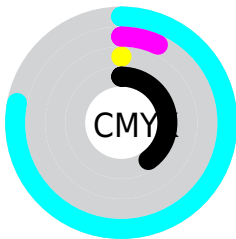
# Distribution







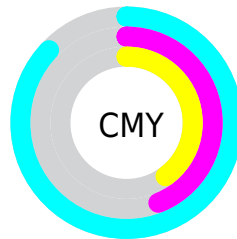
-  Red (13%)
-  Green (56%)
-  Blue (60%)






-  Red (13%)
-  Yellow (36%)
-  Blue (60%)



-  Cyan (78%)
-  Magenta (7%)
-  Yellow (0%)
-  Black (40%)



-  Cyan (87%)
-  Magenta (44%)
-  Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 228F99 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 228F99 by changing the saturation by 10% instead.



 228F99

 228F99

FFFFFF

 00757F

 64C5CF

 005C66

 81E1EC

 00444E

 9EFEFF

 002D37

 BBFFFF

 001922

 D9FFFF

 00000A

 F7FFFF

 000000

 228F99

 228F99

 138E99

 319099

■ 038C99

■ 419299

■ 008C99

■ 509399

■ 5F9499

■ 6E9599

■ 7E9799

■ 8D9899

■ 9C9999

■ AC9B99

# Harmonies

## Analogous

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



3C8F80



228F99



338BAC

# Triad

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



228F99



A1739D



94804F

# Complementary

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



228F99



992C22

# 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.



A87758



228F99



B16F84

# Square

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



228F99



837CAE



B3706B



7A8855

# Rectangle

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



228F99



4E87B3



B3706B



9C7D51



# Sweetspot

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



228F99



99C3C7



22992C



486163



E3E3E3



636363



# Same Dimension

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



228F99



0EB7C7



225499



454C4D



00808C



000C0D



# Inverse Universe

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



99228F



C70EB7



996722



4D454C



8C0080

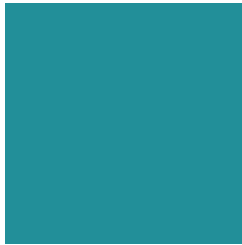


0D000C



# Previews

## White Background



This preview shows how the Hex color 228F99 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

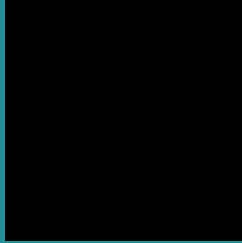
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 228F99 Background



This preview shows how black text looks on a background with the Hex color 228F99.

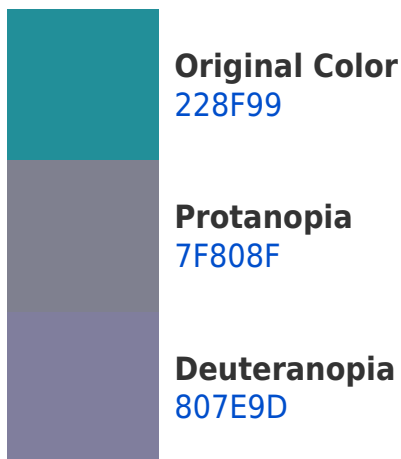


This preview shows how white text looks on a background with the Hex color 228F99.

# 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**  
238F9A

# Trichromacy



**Original Color**  
228F99

**Protanomaly**  
5D8593

**Deuteranomaly**  
5E849C

**Tritanomaly**  
238F9A

# Monochromacy



**Original Color**  
228F99

**Achromatopsia**  
707070

**Achromatomaly**  
547B7F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 228F99 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 #228F99 looks like.

```
.text, #text, p{  
    color:#228F99  
}
```

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 #228F99 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #228F99
}
```

## Border

The CSS property to change the border of an element to Hex 228F99 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
#228F99 }
```

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

```
.border{ border-color:#228F99 }
```

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

Here you see how a box with a 4 pixel #228F99 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #228F99; -webkit-box-shadow:4px 4px  
4px 4px #228F99; box-shadow:4px 4px 4px  
4px #228F99 }
```

# Background

The CSS property to change the background color of an element to Hex 228F99 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#228F99 }
```

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

```
.background{ background-color:#228F99 }
```

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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