

# Converting Colors

Hex(2D7C8C)

Have a look what the booklet for  
Hex(2D7C8C) contains.

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# Color

Hex(2D7C8C)

# Conversions

## Conversions Part 1

Format	Color
Hex	2D7C8C
RGB	45, 124, 140
RGB Percent	18%, 49%, 55%
CMY	0.8235, 0.5137, 0.4510
CMYK	0.68, 0.11, 0.00, 0.45
HSL	190°, 51%, 36%
HSV	190°, 68%, 55%
XYZ	13.0235, 16.8666, 27.3801
YIQ	102.2030, -52.2200, -11.7720

# Conversions

## Conversions Part 2

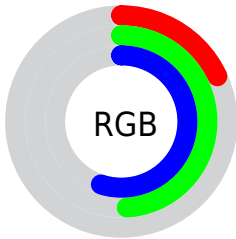
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 88, 140
Decimal	2981004
CIELab	48.09, -18.49, -15.73
CIELCh	48, 24.276, 220.403
Yxy	16.8666, 0.2274, 0.2945
Android (android.graphics.Color)	4281171084 (0xFF2D7C8C)
YUV	102.2030, 18.6339, -50.1670
Hunter-Lab	41.0690, -15.2663, -10.7795

# Details

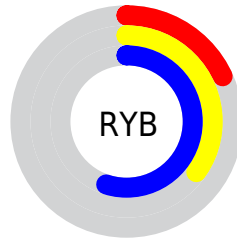
The Hex color **2D7C8C** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8C3D2D**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **67B1C2**, and **004B5A** is the 20% darker color. If you saturate the color by 10%, you get **1F7A8C**, and if you desaturate by 10%, it is **3B7E8C**.

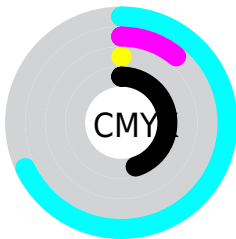
# Distribution



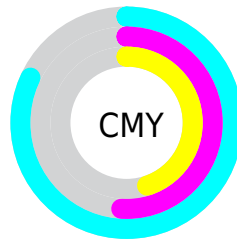
- Red (18%)
- Green (49%)
- Blue (55%)



- Red (18%)
- Yellow (35%)
- Blue (55%)



- Cyan (68%)
- Magenta (11%)
- Yellow (0%)
- Black (45%)



- Cyan (82%)
- Magenta (51%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D7C8C 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 2D7C8C by changing the saturation by 10% instead.



 2D7C8C

 2D7C8C

FFFFFF

 006372

 67B1C2

 004B5A

 83CCDD

 003442

 9FE8FA

 001F2C

 BBFFFF

 000118

 D8FFFF

 000000

 F6FFFF

 2D7C8C

 2D7C8C

 1F7A8C

 3B7E8C

■ 11778C

■ 49818C

■ 03758C

■ 57838C

■ 00748C

■ 65858C

■ 73888C

■ 818A8C

■ 8F8D8C

■ 9D8F8C

■ AB918C

# Harmonies

## Analogous

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



347D79



2D7C8C



427898

# Triad

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



2D7C8C



926480



79734A

# Complementary

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



2D7C8C



8C3D2D

# 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.



8C6C4C



2D7C8C



9B636C

# Square

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



2D7C8C



7E6A91



986659



637952

# Rectangle

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



2D7C8C



57749B



986659



807149



# Sweetspot

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



2D7C8C



91AFB5



2D8C3D



46585C



DBDBDB



5C5C5C



# Same Dimension

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



2D7C8C



229CB5



2D4D8C



3E4445



006E85



000405



# Inverse Universe

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



8C2D7C



B5229C



8C6C2D



453E44



85006E

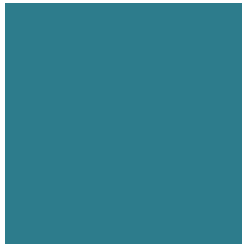


050004



# Previews

## White Background



This preview shows how the Hex color 2D7C8C looks on a white background.

## Color Contrast Check

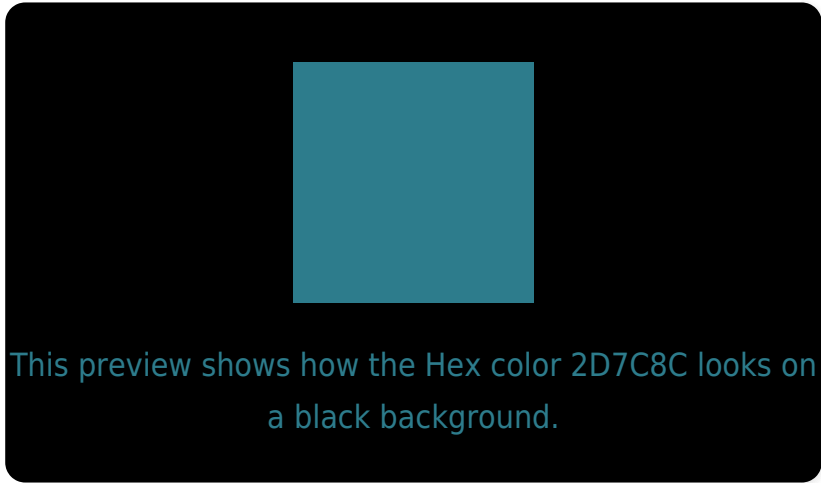
Large Text (above 18pt) WCAG AA ✓ Pass

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

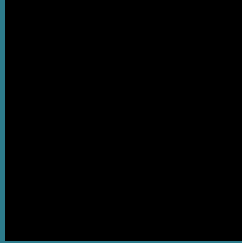
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D7C8C Background



This preview shows how black text looks on a background with the Hex color 2D7C8C.

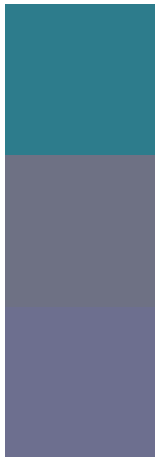


This preview shows how white text looks on a background with the Hex color 2D7C8C.

# 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**  
2D7C8C

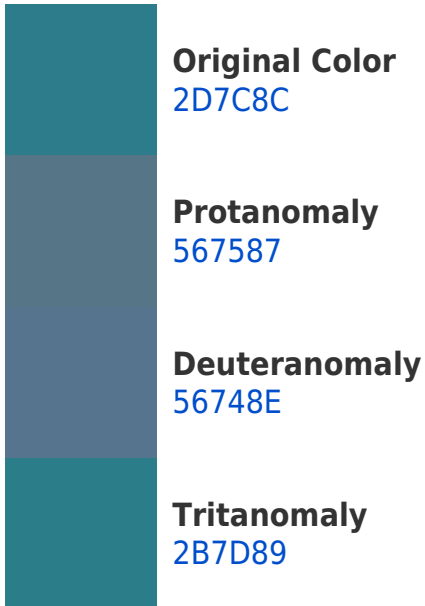
**Protanopia**  
6E7184

**Deuteranopia**  
6D6F8F



**Tritanopia**  
2A7D87

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D7C8C 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 #2D7C8C looks like.

```
.text, #text, p{  
    color:#2D7C8C  
}
```

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 #2D7C8C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D7C8C
}
```

## Border

The CSS property to change the border of an element to Hex 2D7C8C 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
#2D7C8C }
```

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

```
.border{ border-color:#2D7C8C }
```

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

Here you see how a box with a 4 pixel #2D7C8C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D7C8C; -webkit-box-shadow:4px 4px  
4px 4px #2D7C8C; box-shadow:4px 4px 4px  
4px #2D7C8C }
```

# Background

The CSS property to change the background color of an element to Hex 2D7C8C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D7C8C }
```

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

```
.background{ background-color:#2D7C8C }
```

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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