

# Converting Colors

Hex(247D88)

Have a look what the booklet for  
Hex(247D88) contains.

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# Color

Hex(247D88)

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 247D88                      |
| RGB         | 36, 125, 136                |
| RGB Percent | 14%, 49%, 53%               |
| CMY         | 0.8588, 0.5098, 0.4667      |
| CMYK        | 0.74, 0.08, 0.00, 0.47      |
| HSL         | 187°, 58%, 34%              |
| HSV         | 187°, 74%, 53%              |
| XYZ         | 12.5051, 16.8199, 25.8800   |
| YIQ         | 99.6430, -56.5750, -15.4470 |

# Conversions

## Conversions Part 2

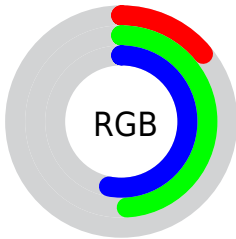
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 36, 83, 136                   |
| Decimal                             | 2391432                       |
| CIE <sub>Lab</sub>                  | 48.03, -21.70, -13.49         |
| CIE <sub>LCh</sub>                  | 48, 25.548, 211.867           |
| Yxy                                 | 16.8199, 0.2265,<br>0.3047    |
| Android<br>(android.graphics.Color) | 4280581512<br>(0xFF247D88)    |
| YUV                                 | 99.6430, 17.9240,<br>-55.8149 |
| Hunter-Lab                          | 41.0120, -17.3441,<br>-8.7056 |

# Details

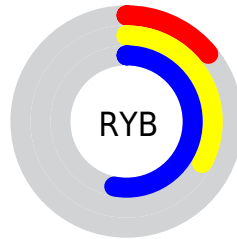
The Hex color **247D88** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **882F24**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **61B2BD**, and **004C56** is the 20% darker color. If you saturate the color by 10%, you get **167C88**, and if you desaturate by 10%, it is **327E88**.

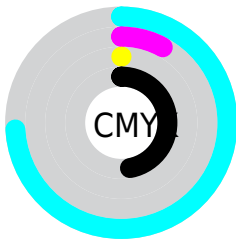
# Distribution



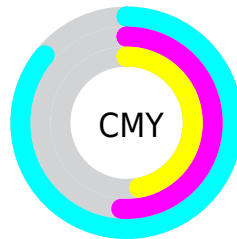
- Red (14%)
- Green (49%)
- Blue (53%)



- Red (14%)
- Yellow (33%)
- Blue (53%)



- Cyan (74%)
- Magenta (8%)
- Yellow (0%)
- Black (47%)



- Cyan (86%)
- Magenta (51%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 247D88 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 247D88 by changing the saturation by 10% instead.



 247D88

 247D88

FFFFFF

 00646F

 61B2BD

 004C56

 7DCED9

 00353F

 99EAF6

 002029

 B6FFFF

 000115

 D3FFFF

 000000

 F0FFFF

 247D88

 247D88

 167C88

 327E88

097A88

3F8088

007988

4D8188

5A8388

688488

768688

838788

918988

9E8A88

# Harmonies

## Analogous

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



357E73



247D88



357A97

# Triad

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



247D88



8E6587



7F7147

# Complementary

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



247D88



882F24

# 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.



916A4D



247D88



9B6271

# Square

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



247D88



766C97



9B645C



69784D

# Rectangle

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



247D88



4B769C



9B645C



866F47



# Sweetspot

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



247D88



89ACB0



24882E



425759



D9D9D9



595959



# Same Dimension

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



247D88



159FB0



244C88



3E4445



007685



000505



# Inverse Universe

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



88247D



B0159F



886024



453E44



850076

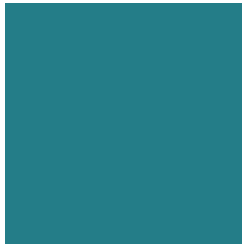


050005



# Previews

## White Background



This preview shows how the Hex color 247D88 looks on a white background.

## Color Contrast Check

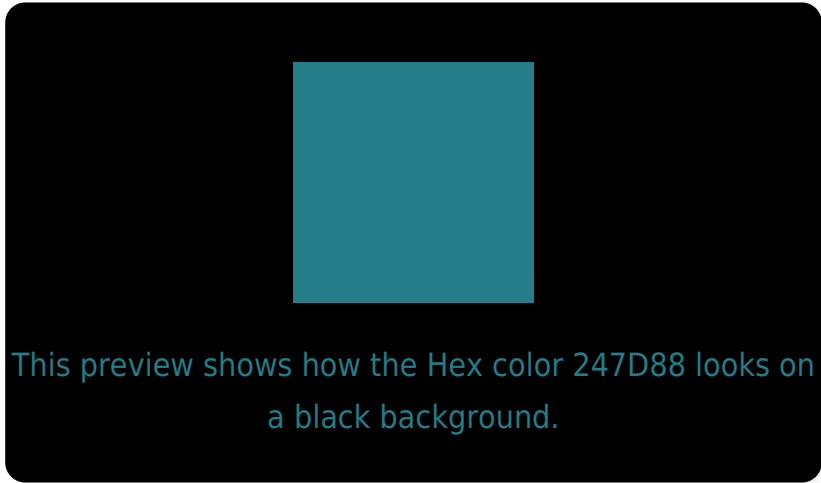
Large Text (above 18pt) WCAG AA ✓ Pass

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

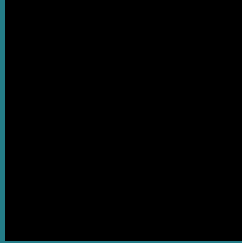
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 247D88 Background



This preview shows how black text looks on a background with the Hex color 247D88.

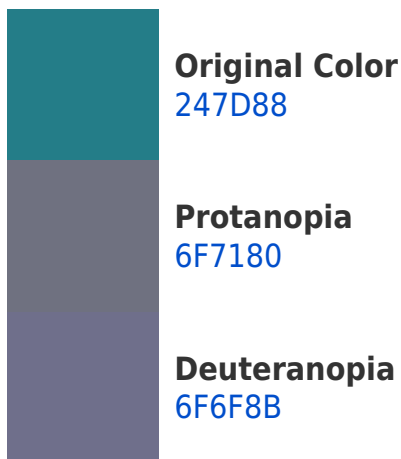


This preview shows how white text looks on a background with the Hex color 247D88.

# 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](#).

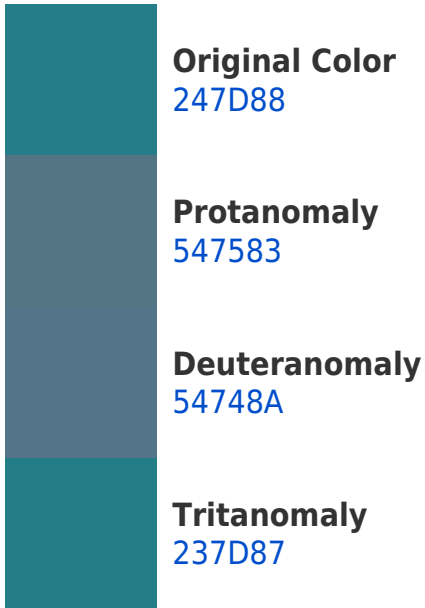
## Dichromacy



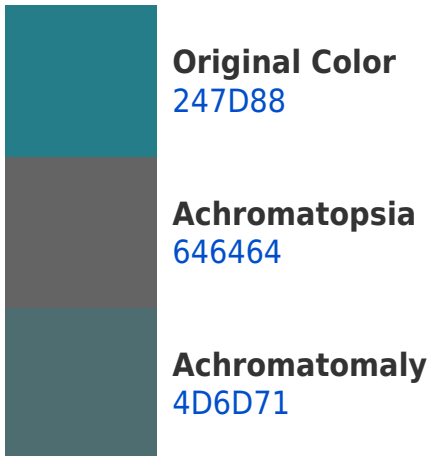


**Tritanopia**  
237D87

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 247D88 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 #247D88 looks like.

```
.text, #text, p{  
    color:#247D88  
}
```

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 #247D88 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #247D88
}
```

## Border

The CSS property to change the border of an element to Hex 247D88 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
#247D88 }
```

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

```
.border{ border-color:#247D88 }
```

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

Here you see how a box with a 4 pixel #247D88 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #247D88; -webkit-box-shadow:4px 4px  
4px 4px #247D88; box-shadow:4px 4px 4px  
4px #247D88 }
```

# Background

The CSS property to change the background color of an element to Hex 247D88 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#247D88 }
```

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

```
.background{ background-color:#247D88 }
```

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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