

Converting Colors

Hex(237DA8)

Have a look what the booklet for
Hex(237DA8) contains.

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Color

Hex(237DA8)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 237DA8 |
| RGB | 35, 125, 168 |
| RGB Percent | 14%, 49%, 66% |
| CMY | 0.8627, 0.5098, 0.3412 |
| CMYK | 0.79, 0.26, 0.00, 0.34 |
| HSL | 199°, 66%, 40% |
| HSV | 199°, 79%, 66% |
| XYZ | 15.0946, 17.8517, 39.6959 |
| YIQ | 102.9920, -67.4430, -5.7070 |

Conversions

Conversions Part 2

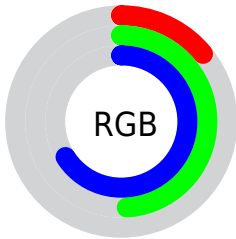
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 35, 89, 168 |
| Decimal | 2325928 |
| CIELab | 49.32, -10.76, -30.26 |
| CIELCh | 49, 32.120, 250.419 |
| Yxy | 17.8517, 0.2078, 0.2457 |
| Android (android.graphics.Color) | 4280516008 (0xFF237DA8) |
| YUV | 102.9920, 32.0489, -59.6290 |
| Hunter-Lab | 42.2513, -10.1691, -26.1283 |




Details

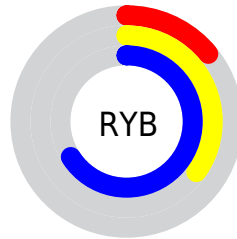
The Hex color **237DA8** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **A84E23**, and the grayscale version is **676767**.




A 20% lighter version of the original color is **65B2DF**, and **004C74** is the 20% darker color. If you saturate the color by 10%, you get **1278A8**, and if you desaturate by 10%, it is **3482A8**.

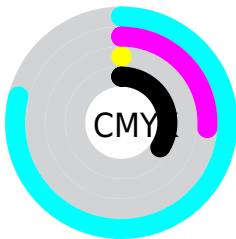
Distribution







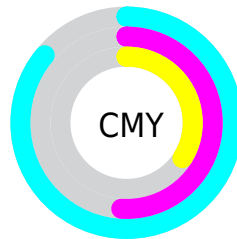
-  Red (14%)
-  Green (49%)
-  Blue (66%)






-  Red (14%)
-  Yellow (35%)
-  Blue (66%)



-  Cyan (79%)
-  Magenta (26%)
-  Yellow (0%)
-  Black (34%)



-  Cyan (86%)
-  Magenta (51%)
-  Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Hex color 237DA8 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 237DA8 by changing the saturation by 10% instead.

■ 237DA8

■ 237DA8

FFFFFF

■ 00648D

■ 65B2DF

■ 004C74

■ 82CDFC

■ 00365B

■ A0E9FF

■ 002143

■ BDFFFF

■ 00032D

■ DAFFFF

■ 000117

■ F8FFFF

■ 000000

■ 237DA8

■ 237DA8

■ 1278A8

■ 3482A8

0172A8

4588A8

0072A8

558DA8

6693A8

7798A8

889EA8

99A3A8

A9A8A8

BAAEA8

Harmonies

Analogous

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



008298



237DA8



5C75AB

Triad

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



237DA8



AA5F6D



607E4B

Complementary

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



237DA8



A84E23

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.



7D773F



237DA8



A66453

Square

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



237DA8



9F6288



966D42



3C8262

Rectangle

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



237DA8



786EA4



966D42



6A7C45

Sweetspot

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



237DA8



A7CADB



23A84D



4E636E



EDEDED



6E6E6E

Same Dimension

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



237DA8



0B98DB



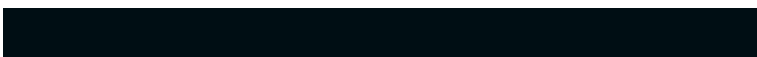
233BA8



4C5154



006494



000E14

Inverse Universe

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



A8237D



DB0B98



A89023



544C51



940064



14000E

Previews

White Background



This preview shows how the Hex color 237DA8 looks on a white background.

Color Contrast Check

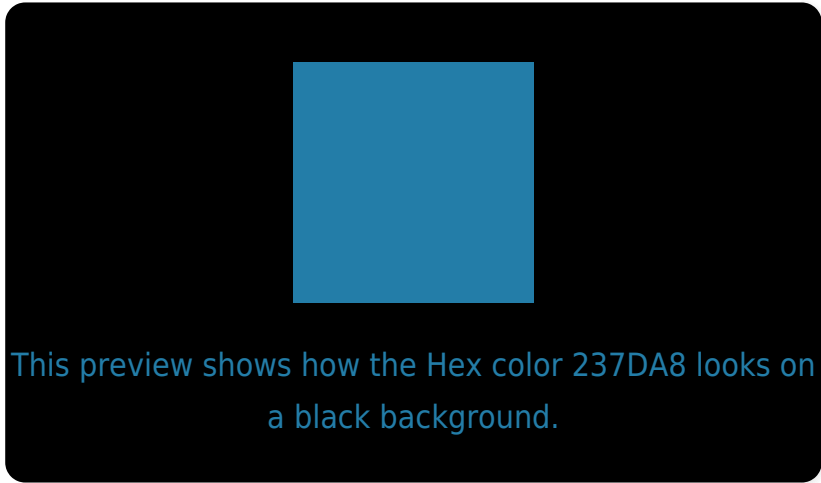
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ 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 237DA8 Background



This preview shows how black text looks on a background with the Hex color 237DA8.

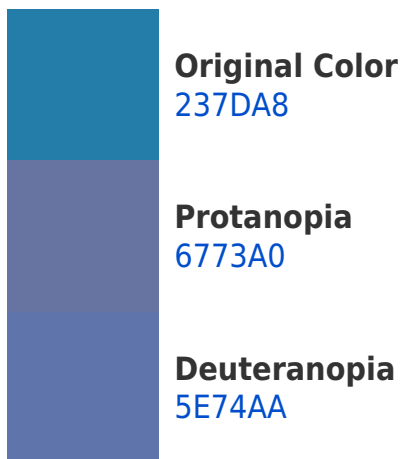


This preview shows how white text looks on a background with the Hex color 237DA8.

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
00828C

Trichromacy



Original Color
237DA8

Protanomaly
4E77A3

Deuteranomaly
4977A9

Tritanomaly
0D8096

Monochromacy



Original Color
237DA8

Achromatopsia
676767

Achromatomaly
4E6F7F

CSS Examples

Text

The CSS property to change the color of the text to Hex 237DA8 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 #237DA8 looks like.

```
.text, #text, p{  
    color:#237DA8  
}
```

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 #237DA8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #237DA8
}
```

Border

The CSS property to change the border of an element to Hex 237DA8 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
#237DA8 }
```

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

```
.border{ border-color:#237DA8 }
```

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

Here you see how a box with a 4 pixel #237DA8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #237DA8; -webkit-box-shadow:4px 4px  
4px 4px #237DA8; box-shadow:4px 4px 4px  
4px #237DA8 }
```

Background

The CSS property to change the background color of an element to Hex 237DA8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#237DA8 }
```

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

```
.background{ background-color:#237DA8 }
```

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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