

# Converting Colors

Hex(1D398D)

Have a look what the booklet for  
Hex(1D398D) contains.

<b>Hex(1D398D)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(1D398D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1D398D
RGB	29, 57, 141
RGB Percent	11%, 22%, 55%
CMY	0.8863, 0.7765, 0.4471
CMYK	0.79, 0.60, 0.00, 0.45
HSL	225°, 66%, 33%
HSV	225°, 79%, 55%
XYZ	6.7775, 5.1106, 25.8285
YIQ	58.2040, -43.6520, 20.1880

# Conversions

## Conversions Part 2

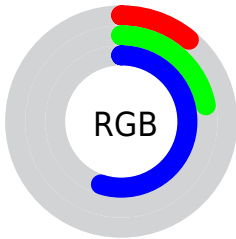
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	29, 51, 141
Decimal	1915277
CIE <sub>Lab</sub>	27.05, 21.79, -49.59
CIE <sub>LCh</sub>	27, 54.163, 293.722
Yxy	5.1106, 0.1797, 0.1355
Android (android.graphics.Color)	4280105357 (0xFF1D398D)
YUV	58.2040, 40.8184, -25.6119
Hunter-Lab	22.6065, 13.9537, -51.9157

# Details

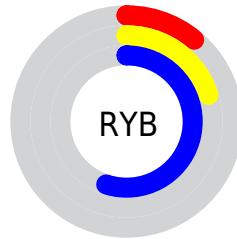
The Hex color **1D398D** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **8D711D**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **5C68C3**, and **00115A** is the 20% darker color. If you saturate the color by 10%, you get **0F2E8D**, and if you desaturate by 10%, it is **2B448D**.

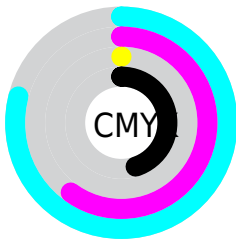
# Distribution



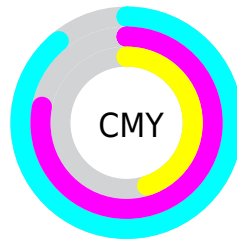
- Red (11%)
- Green (22%)
- Blue (55%)



- Red (11%)
- Yellow (20%)
- Blue (55%)



- Cyan (79%)
- Magenta (60%)
- Yellow (0%)
- Black (45%)



- Cyan (89%)
- Magenta (78%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1D398D 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 1D398D by changing the saturation by 10% instead.



■ 1D398D

■ 1D398D

FFFFFF

■ 002473

■ 5C68C3

■ 00115A

■ 7881E0

■ 000042

■ 959AFD

■ 00032B

■ B1B5FF

■ 000115

■ CED1FF

■ 000000

■ ECEDFF

■ 1D398D

■ 1D398D

■ 0F2E8D

■ 2B448D

■ 01248D

■ 394E8D

■ 00238D

■ 47598D

■ 55638D

■ 646E8D

■ 72788D

■ 80838D

■ 8E8E8D

■ 9C988D

# Harmonies

## Analogous

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



004894



1D398D



671F72

# Triad

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



1D398D



742700



005036

# Complementary

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



1D398D



8D711D

# 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.



004E05



1D398D



573B00

# Square

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



1D398D



840322



304700



005160

# Rectangle

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



1D398D



7C0458



304700



005027



# Sweetspot

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



1D398D



8C97B8



1D8D71



41485C



DBDBDB



5C5C5C



# Same Dimension

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



1D398D



0935B8



391D8D



404247



002287



000208



# Inverse Universe

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



8D1D39



B80935



718D1D



474042



870022



080002



# Previews

## White Background



This preview shows how the Hex color 1D398D looks on a white background.

## Color Contrast Check

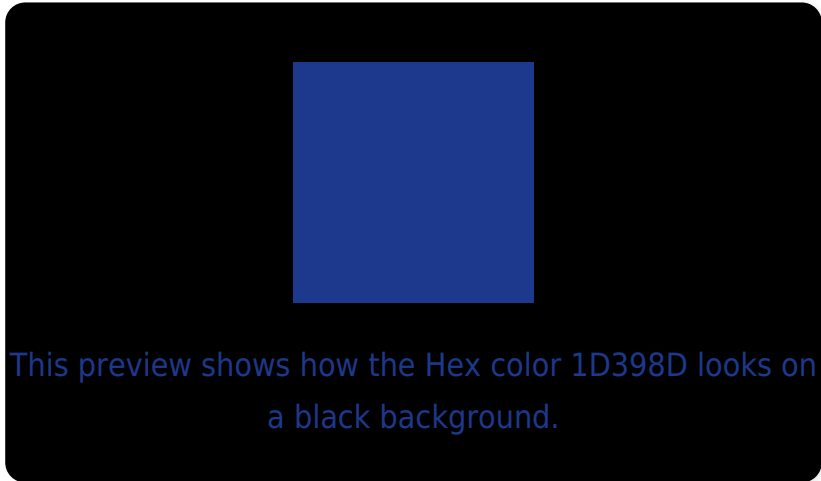
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

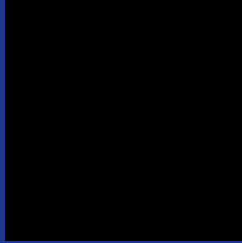
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1D398D Background



This preview shows how black text looks on a background with the Hex color 1D398D.



This preview shows how white text looks on a background with the Hex color 1D398D.

# 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**  
1D398D

**Protanopia**  
003E83

**Deuteranopia**  
004270



**Tritanopia**  
00474C

# Trichromacy



**Original Color**  
1D398D

**Protanomaly**  
0B3C87

**Deuteranomaly**  
0B3F7B

**Tritanomaly**  
0B4264

# Monochromacy



**Original Color**  
1D398D

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
2F3A58

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1D398D 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 #1D398D looks like.

```
.text, #text, p{  
    color:#1D398D  
}
```

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 #1D398D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1D398D
}
```

## Border

The CSS property to change the border of an element to Hex 1D398D 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".

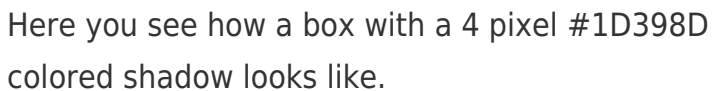
```
.border, #border, table{ border:4px solid
#1D398D }
```

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

```
.border{ border-color:#1D398D }
```

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

Here you see how a box with a 4 pixel #1D398D colored shadow looks like.

A rectangular box with a blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1D398D; -webkit-box-shadow:4px 4px  
4px 4px #1D398D; box-shadow:4px 4px 4px  
4px #1D398D }
```

# Background

The CSS property to change the background color of an element to Hex 1D398D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1D398D }
```

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

```
.background{ background-color:#1D398D }
```

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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