

# Converting Colors

Hex(00138C)

Have a look what the booklet for  
Hex(00138C) contains.

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# Color

**Hex(00138C)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	00138C
RGB	0, 19, 140
RGB Percent	0%, 7%, 55%
CMY	1.0000, 0.9255, 0.4510
CMYK	1.00, 0.86, 0.00, 0.45
HSL	232°, 100%, 27%
HSV	232°, 100%, 55%
XYZ	4.9665, 2.3592, 25.0045
YIQ	27.1130, -50.1650, 33.6030

# Conversions

## Conversions Part 2

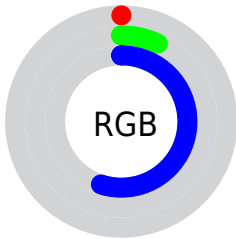
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 17, 140
Decimal	5004
CIELab	17.27, 43.52, -65.11
CIELCh	17, 78.322, 303.760
Yxy	2.3592, 0.1536, 0.0730
Android (android.graphics.Color)	4278195084 (0xFF00138C)
YUV	27.1130, 55.6533, -23.7781
Hunter-Lab	15.3597, 30.8379, -85.7685

# Details

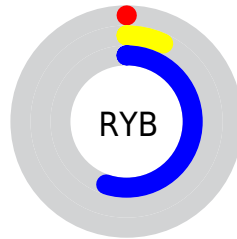
The Hex color **00138C** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **8C7900**, and the grayscale version is **1B1B1B**.

A 20% lighter version of the original color is **5541C3**, and **000058** is the 20% darker color. If you saturate the color by 10%, you get **00138C**, and if you desaturate by 10%, it is **0E1F8C**.

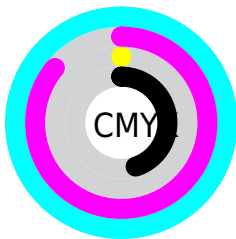
# Distribution



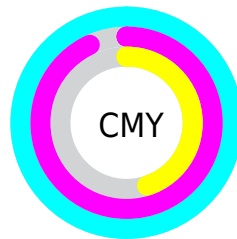
- Red (0%)
- Green (7%)
- Blue (55%)



- Red (0%)
- Yellow (7%)
- Blue (55%)



- Cyan (100%)
- Magenta (86%)
- Yellow (0%)
- Black (45%)



- Cyan (100%)
- Magenta (93%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00138C 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 00138C by changing the saturation by 10% instead.



 00138C

 00138C

 FFFCFF

 000072

 5541C3

 000058

 735ADF

 000740

 9073FC

 000329

 AE8DFF

 000113

 CBA7FF

 000000

 E9C3FF

 FFDFFF

 00138C

■ 0E1F8C

■ 1C2B8C

■ 2A378C

■ 38438C

■ 464F8C

■ 545C8C

■ 62688C

■ 70748C

■ 7E808C

# Harmonies

## Analogous

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



0034A1



00138C



6C005E

# Triad

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



00138C



5A0900



003C31

# Complementary

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



00138C



8C7900

# 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.



003B00



00138C



2F2C00

# Square

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



00138C



780000



003600



003E6A

# Rectangle

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



00138C



7F0039



003600



003C1D



# Sweetspot

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



00138C



7F86B5



008C77



3B3F5C



DBDBDB



5C5C5C



# Same Dimension

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



00138C



0019B5



31008C



3E3F45



001285



000105



# Inverse Universe

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



8C0013



B50019



5B8C00



453E3F



850012

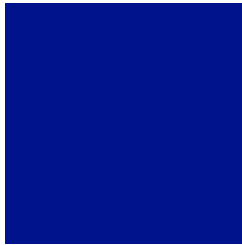


050001



# Previews

## White Background



This preview shows how the Hex color 00138C looks on a white background.

## Color Contrast Check

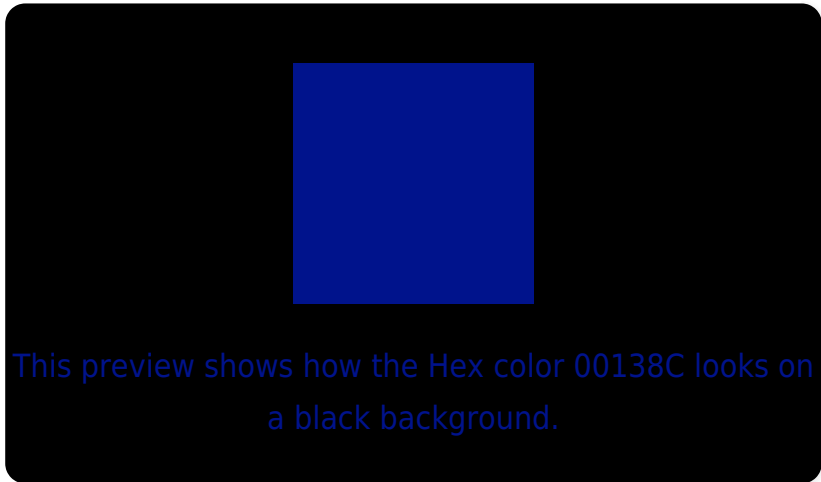
Large Text (above 18pt) WCAG AA ✓ Pass

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

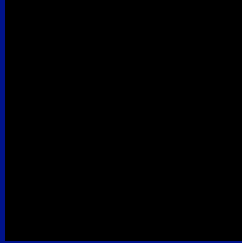
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 00138C Background



This preview shows how black text looks on a background with the Hex color 00138C.



This preview shows how white text looks on a background with the Hex color 00138C.

# 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**  
00138C

**Protanopia**  
002B5A

**Deuteranopia**  
002E4D



# Trichromacy



**Original Color**  
00138C

**Protanomaly**  
00226C

**Deuteranomaly**  
002464

**Tritanomaly**  
002754

# Monochromacy



**Original Color**  
00138C

**Achromatopsia**  
1B1B1B

**Achromatomaly**  
111844

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00138C 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 #00138C looks like.

```
.text, #text, p{  
    color:#00138C  
}
```

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 #00138C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00138C
}
```

## Border

The CSS property to change the border of an element to Hex 00138C is called "border". The border property can be set on classes, ids or directly on the HTML element.

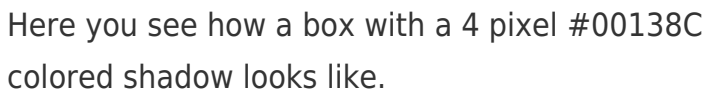
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#00138C }
```

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

```
.border{ border-color:#00138C }
```

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



Here you see how a box with a 4 pixel #00138C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00138C; -webkit-box-shadow:4px 4px  
4px 4px #00138C; box-shadow:4px 4px 4px  
4px #00138C }
```

# Background

The CSS property to change the background color of an element to Hex 00138C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00138C }
```

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

```
.background{ background-color:#00138C }
```

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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