

Converting Colors

Hex(002190)

Have a look what the booklet for
Hex(002190) contains.

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Color

Hex(002190)

Conversions

Conversions Part 1

Format	Color
Hex	002190
RGB	0, 33, 144
RGB Percent	0%, 13%, 56%
CMY	1.0000, 0.8706, 0.4353
CMYK	1.00, 0.77, 0.00, 0.44
HSL	226°, 100%, 28%
HSV	226°, 100%, 56%
XYZ	5.5779, 3.1013, 26.6902
YIQ	35.7870, -55.2990, 27.5250

Conversions

Conversions Part 2

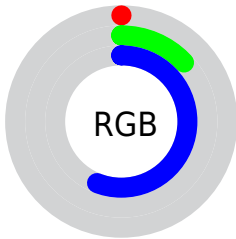
Format	Color
RYB	0, 27, 144
Decimal	8592
CIELab	20.45, 37.21, -62.33
CIELCh	20, 72.594, 300.837
Yxy	3.1013, 0.1577, 0.0877
Android (android.graphics.Color)	4278198672 (0xFF002190)
YUV	35.7870, 53.3490, -31.3852
Hunter-Lab	17.6106, 25.7187, -77.5311

Details

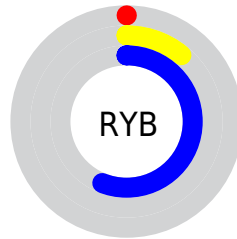
The Hex color **002190** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **906F00**, and the grayscale version is **232323**.

A 20% lighter version of the original color is **554EC7**, and **00005C** is the 20% darker color. If you saturate the color by 10%, you get **002190**, and if you desaturate by 10%, it is **0E2C90**.

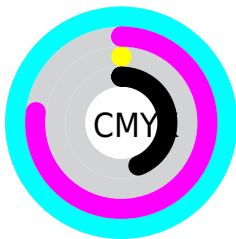
Distribution



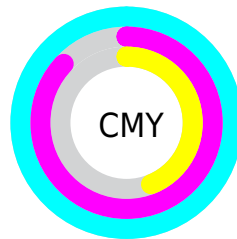
- Red (0%)
- Green (13%)
- Blue (56%)



- Red (0%)
- Yellow (11%)
- Blue (56%)



- Cyan (100%)
- Magenta (77%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (87%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002190 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 002190 by changing the saturation by 10% instead.

■ 002190

■ 002190

FFFFFF

■ 000D76

■ 554EC7

■ 00005C

■ 7366E4

■ 000744

■ 9080FF

■ 00032C

■ AD9AFF

■ 000117

■ CBB5FF

■ 000000

■ E9D1FF

■ FFEDFF

■ 002190

■ 0E2C90

■ 1D3790

■ 2B4290

■ 3A4D90

■ 485990

■ 566490

■ 656F90

■ 737A90

■ 828590

Harmonies

Analogous

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



003BA0



002190



6D0067

Triad

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



002190



641100



004332

Complementary

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



002190



906F00

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.



004100



002190



3D3100

Square

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



002190



7F0000



003C00



004468

Rectangle

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



002190



810044



003C00



00421E

Sweetspot

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



002190



828FBA



00906E



3C445E



DEDEDE



5E5E5E

Same Dimension

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



002190



002BBA



260090



404247



001F87



000208

Inverse Universe

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



900021



BA002B



6A9000



474042



87001F



080002

Previews

White Background



This preview shows how the Hex color 002190 looks on a white background.

Color Contrast Check

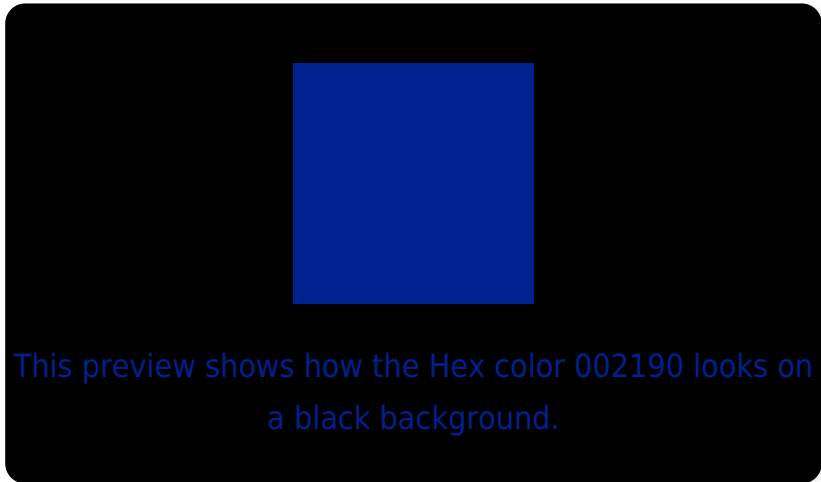
Large Text (above 18pt) WCAG AA ✓ Pass

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 002190 Background



This preview shows how black text looks on a background with the Hex color 002190.



This preview shows how white text looks on a background with the Hex color 002190.

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
002190

Protanopia
003166

Deuteranopia
003457



Tritanopia
00383B

Trichromacy



Original Color
002190

Protanomaly
002B75

Deuteranomaly
002D6C

Tritanomaly
00305A

Monochromacy



Original Color
002190

Achromatopsia
242424

Achromatomaly
17234B

CSS Examples

Text

The CSS property to change the color of the text to Hex 002190 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 #002190 looks like.

```
.text, #text, p{  
    color:#002190  
}
```

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 #002190 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002190
}
```

Border

The CSS property to change the border of an element to Hex 002190 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
#002190 }
```

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

```
.border{ border-color:#002190 }
```

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

Here you see how a box with a 4 pixel #002190 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002190; -webkit-box-shadow:4px 4px  
4px 4px #002190; box-shadow:4px 4px 4px  
4px #002190 }
```

Background

The CSS property to change the background color of an element to Hex 002190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002190 }
```

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

```
.background{ background-color:#002190 }
```

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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