

Converting Colors

Hex(02198D)

Have a look what the booklet for
Hex(02198D) contains.

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Color

Hex(02198D)

Conversions

Conversions Part 1

Format	Color
Hex	02198D
RGB	2, 25, 141
RGB Percent	1%, 10%, 55%
CMY	0.9922, 0.9020, 0.4471
CMYK	0.99, 0.82, 0.00, 0.45
HSL	230°, 97%, 28%
HSV	230°, 99%, 55%
XYZ	5.1804, 2.6313, 25.4341
YIQ	31.3470, -50.9440, 31.2000

Conversions

Conversions Part 2

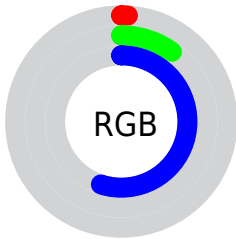
Format	Color
R_{YB}	2, 22, 141
Decimal	137613
CIE _{Lab}	18.50, 40.86, -63.69
CIE _{LCh}	19, 75.666, 302.682
Yxy	2.6313, 0.1558, 0.0791
Android (android.graphics.Color)	4278327693 (0xFF02198D)
YUV	31.3470, 54.0589, -25.7373
Hunter-Lab	16.2211, 28.6188, -81.6097

Details

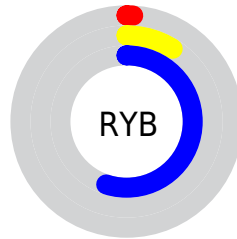
The Hex color **02198D** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **8D7602**, and the grayscale version is **1F1F1F**.

A 20% lighter version of the original color is **5547C4**, and **000059** is the 20% darker color. If you saturate the color by 10%, you get **00178D**, and if you desaturate by 10%, it is **10258D**.

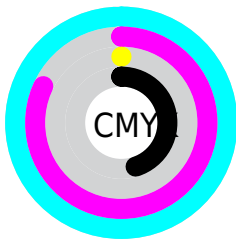
Distribution



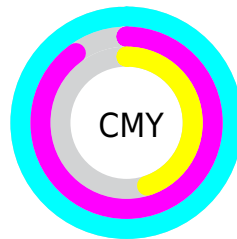
- Red (1%)
- Green (10%)
- Blue (55%)



- Red (1%)
- Yellow (9%)
- Blue (55%)



- Cyan (99%)
- Magenta (82%)
- Yellow (0%)
- Black (45%)



- Cyan (99%)
- Magenta (90%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Hex color 02198D 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 02198D by changing the saturation by 10% instead.

■ 02198D

■ 02198D

FFFFFF

■ 000473

■ 5547C4

■ 000059

■ 735FE0

■ 000741

■ 9078FD

■ 00032A

■ AE92FF

■ 000114

■ CBADFF

■ 000000

■ E9C8FF

■ FFE5FF

■ 02198D

■ 02198D

■ 00178D

■ 10258D

■ 1E318D

■ 2C3C8D

■ 3A488D

■ 49548D

■ 57608D

■ 656B8D

■ 73778D

■ 81838D

Harmonies

Analogous

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



0036A0



02198D



6C0061

Triad

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



02198D



5E0D00



003F31

Complementary

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



02198D



8D7602

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.



003D00



02198D



342E00

Square

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



02198D



7A0000



003800



004069

Rectangle

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



02198D



7F003D



003800



003F1D

Sweetspot

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



02198D



818AB8



028D76



3B405C



DBDBDB



5C5C5C

Same Dimension

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



02198D



001EB8



30028D



404147



001687



000108

Inverse Universe

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



8D0219



B8001E



5F8D02



474041



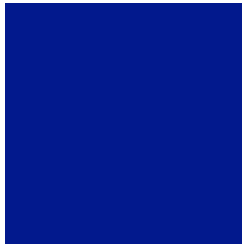
870016



080001

Previews

White Background



This preview shows how the Hex color 02198D looks on a white background.

Color Contrast Check

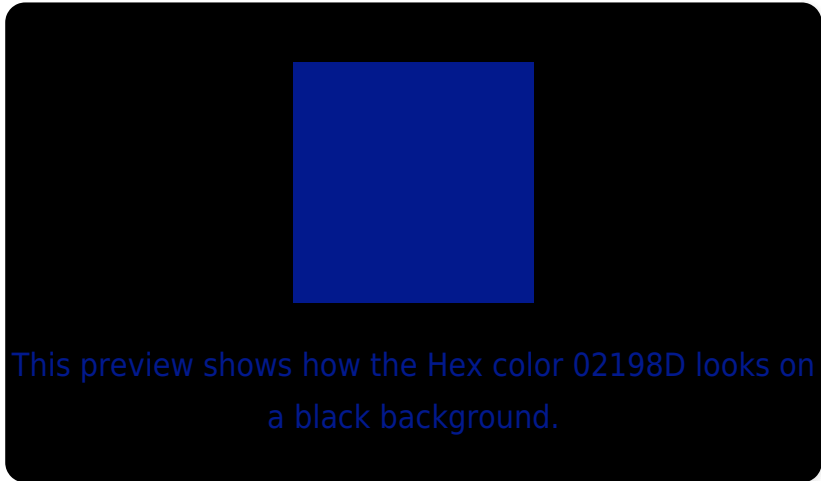
Large Text (above 18pt) WCAG AA ✓ Pass

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

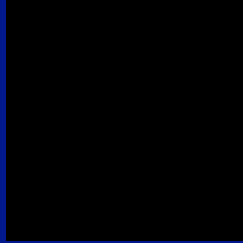
Any Text WCAG AA × Fail

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 02198D Background



This preview shows how black text looks on a background with the Hex color 02198D.



This preview shows how white text looks on a background with the Hex color 02198D.

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
02198D

Protanopia
002D5F

Deuteranopia
003050

Trichromacy



Original Color
02198D

Protanomaly
012670

Deuteranomaly
012866

Tritanomaly
012A56

Monochromacy



Original Color
02198D

Achromatopsia
1F1F1F

Achromatomaly
141D47

CSS Examples

Text

The CSS property to change the color of the text to Hex 02198D 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 #02198D looks like.

```
.text, #text, p{  
    color:#02198D  
}
```

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 #02198D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #02198D
}
```

Border

The CSS property to change the border of an element to Hex 02198D is called "border". The border property can be set on classes, ids or directly on the HTML element.

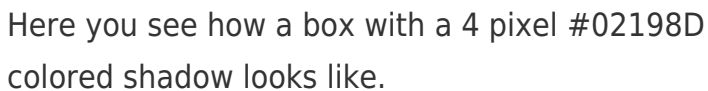
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#02198D }
```

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

```
.border{ border-color:#02198D }
```

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



Here you see how a box with a 4 pixel #02198D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #02198D; -webkit-box-shadow:4px 4px  
4px 4px #02198D; box-shadow:4px 4px 4px  
4px #02198D }
```

Background

The CSS property to change the background color of an element to Hex 02198D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#02198D }
```

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

```
.background{ background-color:#02198D }
```

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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