

# Converting Colors

Hex(00518B)

Have a look what the booklet for  
Hex(00518B) contains.

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**Color**

**Hex(00518B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00518B
RGB	0, 81, 139
RGB Percent	0%, 32%, 55%
CMY	1.0000, 0.6824, 0.4549
CMYK	1.00, 0.42, 0.00, 0.45
HSL	205°, 100%, 27%
HSV	205°, 100%, 55%
XYZ	7.6026, 7.7489, 25.5211
YIQ	63.3930, -66.8940, 0.8660

# Conversions

## Conversions Part 2

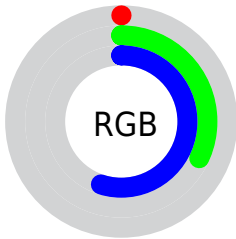
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 51, 139
Decimal	20875
CIELab	33.45, 2.27, -38.05
CIELCh	33, 38.114, 273.410
Yxy	7.7489, 0.1860, 0.1896
Android (android.graphics.Color)	4278210955 (0xFF00518B)
YUV	63.3930, 37.2743, -55.5957
Hunter-Lab	27.8369, 0.0361, -34.8717

# Details

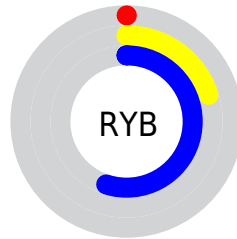
The Hex color **00518B** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **8B3A00**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **5082C1**, and **002558** is the 20% darker color. If you saturate the color by 10%, you get **00518B**, and if you desaturate by 10%, it is **0E578B**.

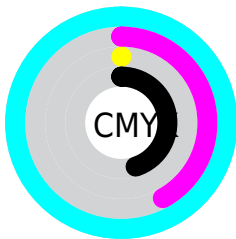
# Distribution



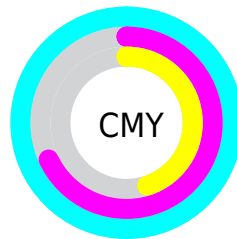
- Red (0%)
- Green (32%)
- Blue (55%)



- Red (0%)
- Yellow (20%)
- Blue (55%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (45%)



- Cyan (100%)
- Magenta (68%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00518B 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 00518B by changing the saturation by 10% instead.



 00518B

 00518B

FFFFFF

 003A71

 5082C1

 002558

 6D9CDD

 001041

 89B6FA

 00032A

 A6D2FF

 000114

 C2EEFF

 000000

 E0FFFF

FEFFFF

 00518B

■ 0E578B

■ 1C5D8B

■ 2A628B

■ 38688B

■ 466E8B

■ 53748B

■ 617A8B

■ 6F7F8B

■ 7D858B

# Harmonies

## Analogous

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



005984



00518B



544581

# Triad

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



00518B



83372F



035B32

# Complementary

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



00518B



8B3A00

# 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.



3C5618



00518B



734317

# Square

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



00518B



85324C



5B4E0B



005D51

# Rectangle

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



00518B



6D3C73



5B4E0B



205A29



# Sweetspot

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



00518B



7F9EB5



008B3A



3B4E5C



DBDBDB



5C5C5C



# Same Dimension

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



00518B



006AB5



000C8B



3E4245



004D85



000305



# Inverse Universe

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



8B0051



B5006A



8B7F00



453E42



85004D



050003



# Previews

## White Background



This preview shows how the Hex color 00518B looks on a white background.

## Color Contrast Check

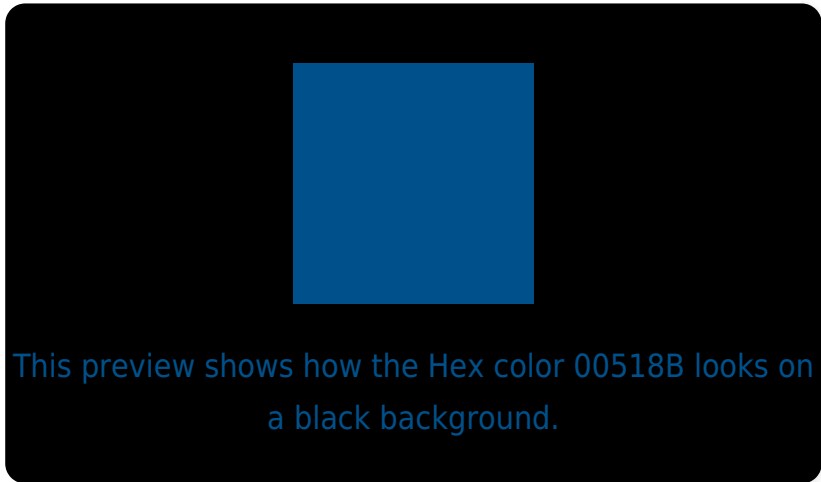
Large Text (above 18pt) WCAG AA ✓ Pass

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

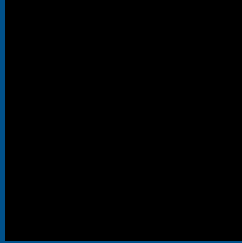
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 00518B Background



This preview shows how black text looks on a background with the Hex color 00518B.



This preview shows how white text looks on a background with the Hex color 00518B.

# 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





# Trichromacy



**Original Color**  
00518B

**Protanomaly**  
224E88

**Deuteranomaly**  
10508B

**Tritanomaly**  
00556E

# Monochromacy



**Original Color**  
00518B

**Achromatopsia**  
3F3F3F

**Achromatomaly**  
28465B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00518B 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 #00518B looks like.

```
.text, #text, p{  
    color:#00518B  
}
```

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 #00518B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00518B
}
```

## Border

The CSS property to change the border of an element to Hex 00518B 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
#00518B }
```

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

```
.border{ border-color:#00518B }
```

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

Here you see how a box with a 4 pixel #00518B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00518B; -webkit-box-shadow:4px 4px  
4px 4px #00518B; box-shadow:4px 4px 4px  
4px #00518B }
```

# Background

The CSS property to change the background color of an element to Hex 00518B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00518B }
```

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

```
.background{ background-color:#00518B }
```

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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