

# Converting Colors

Hex(005B8E)

Have a look what the booklet for  
Hex(005B8E) contains.

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# Color

Hex(005B8E)

# Conversions

## Conversions Part 1

Format	Color
Hex	005B8E
RGB	0, 91, 142
RGB Percent	0%, 36%, 56%
CMY	1.0000, 0.6431, 0.4431
CMYK	1.00, 0.36, 0.00, 0.44
HSL	202°, 100%, 28%
HSV	202°, 100%, 56%
XYZ	8.6236, 9.4352, 26.9578
YIQ	69.6050, -70.6070, -3.4310

# Conversions

## Conversions Part 2

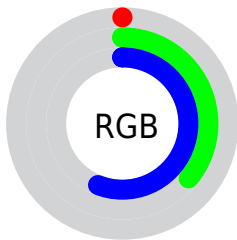
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 55, 142
Decimal	23438
CIELab	36.81, -2.95, -34.54
CIELCh	37, 34.661, 265.116
Yxy	9.4352, 0.1916, 0.2096
Android (android.graphics.Color)	4278213518 (0xFF005B8E)
YUV	69.6050, 35.6907, -61.0436
Hunter-Lab	30.7167, -3.6412, -30.5329

# Details

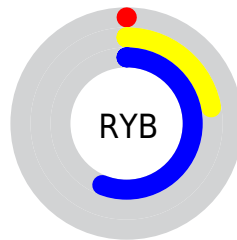
The Hex color **005B8E** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **8E3300**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **518DC4**, and **002E5B** is the 20% darker color. If you saturate the color by 10%, you get **005B8E**, and if you desaturate by 10%, it is **0E608E**.

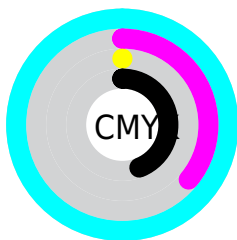
# Distribution



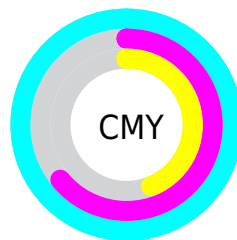
- Red (0%)
- Green (36%)
- Blue (56%)



- Red (0%)
- Yellow (22%)
- Blue (56%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (64%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 005B8E 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 005B8E by changing the saturation by 10% instead.



 005B8E

 005B8E

FFFFFF

 004474

 518DC4

 002E5B


 6EA7E0

 001A43

 8AC2FD

 00032D

 A7DEFF

 000117

 C4FBFF

 000000

 E1FFFF

 005B8E

 0E608E

 1C658E

 2B6A8E

 396F8E

 47758E

 557A8E

 637F8E

 72848E

 80898E

# Harmonies

## Analogous

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



006184



005B8E



505189

# Triad

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



005B8E



8A4041



2C6135

# Complementary

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



005B8E



8E3300

# 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.



4F5C21



005B8E



7F4929

# Square

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



005B8E



873E5C



6A541C



006451

# Rectangle

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



005B8E



6A497E



6A541C



39602E



# Sweetspot

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



005B8E



81A4B8



008E32



3B505C



DBDBDB



5C5C5C



# Same Dimension

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



005B8E



0076B8



00158E



404547



005787



000508



# Inverse Universe

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



8E005B



B80076



8E7900



474045



870057



080005



# Previews

## White Background



This preview shows how the Hex color 005B8E looks on a white background.

## Color Contrast Check

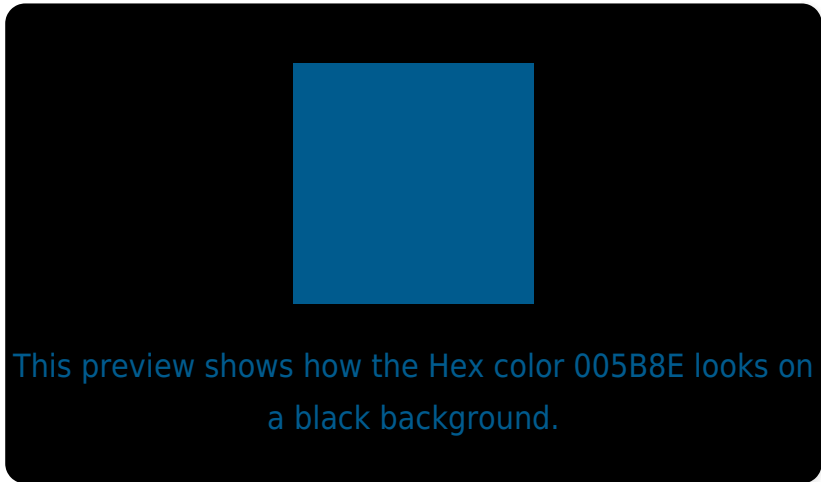
Large Text (above 18pt) WCAG AA ✓ Pass

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

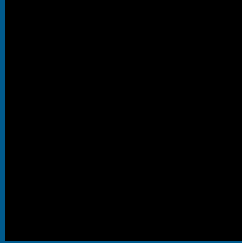
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 005B8E Background



This preview shows how black text looks on a background with the Hex color 005B8E.



This preview shows how white text looks on a background with the Hex color 005B8E.

# Color Blindness Simulation

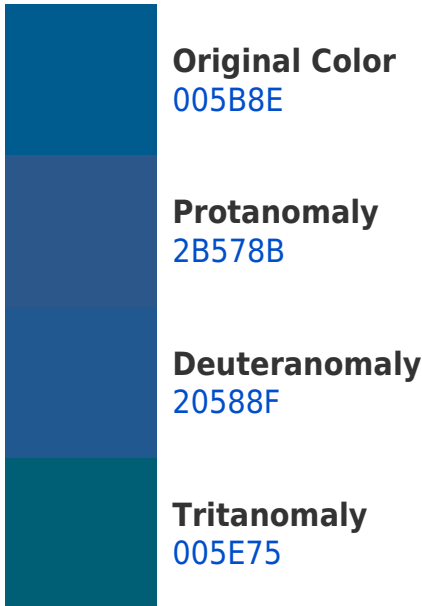
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 005B8E 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 #005B8E looks like.

```
.text, #text, p{  
    color:#005B8E  
}
```

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 #005B8E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #005B8E
}
```

## Border

The CSS property to change the border of an element to Hex 005B8E is called "border". The border property can be set on classes, ids or directly on the HTML element.

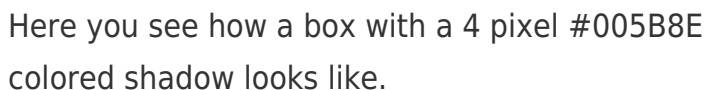
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#005B8E }
```

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

```
.border{ border-color:#005B8E }
```

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



Here you see how a box with a 4 pixel #005B8E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #005B8E; -webkit-box-shadow:4px 4px  
4px 4px #005B8E; box-shadow:4px 4px 4px  
4px #005B8E }
```

# Background

The CSS property to change the background color of an element to Hex 005B8E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#005B8E }
```

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

```
.background{ background-color:#005B8E }
```

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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