

# Converting Colors

Hex(00005B)

Have a look what the booklet for  
Hex(00005B) contains.

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# Color

**Hex(00005B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00005B
RGB	0, 0, 91
RGB Percent	0%, 0%, 36%
CMY	1.0000, 1.0000, 0.6431
CMYK	1.00, 1.00, 0.00, 0.64
HSL	240°, 100%, 18%
HSV	240°, 100%, 36%
XYZ	1.8883, 0.7553, 9.9438
YIQ	10.3740, -29.2110, 28.3010

# Conversions

## Conversions Part 2

Format	Color
<b>RYB</b>	0, 0, 91
Decimal	91
CIELab	6.82, 37.05, -50.72
CIELCh	7, 62.805, 306.146
Yxy	0.7553, 0.1500, 0.0600
Android (android.graphics.Color)	4278190171 (0xFF00005B)
YUV	10.3740, 39.7486, -9.0980
Hunter-Lab	8.6910, 23.5743, -61.7531

# Details

The Hex color **00005B** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **5B5B00**, and the grayscale version is **0A0A0A**.

A 20% lighter version of the original color is **452C8E**, and **00032C** is the 20% darker color. If you saturate the color by 10%, you get **00005B**, and if you desaturate by 10%, it is **09095B**.

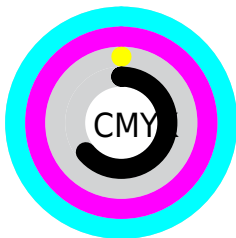
# Distribution



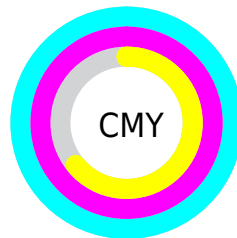
- Red (0%)
- Green (0%)
- Blue (36%)



- Red (0%)
- Yellow (0%)
- Blue (36%)



- Cyan (100%)
- Magenta (100%)
- Yellow (0%)
- Black (64%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 00005B 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 00005B by changing the saturation by 10% instead.



 00005B

 00005B

 FFE1FF

 000043

 452C8E

 00032C

 6143A9

 000116

 7C5BC5

 000000

 9875E1

 B48FFE

 D1A9FF

 EEC5FF

 00005B

■ 09095B

■ 12125B

■ 1B1B5B

■ 24245B

■ 2E2E5B

■ 37375B

■ 40405B

■ 49495B

■ 52525B

# Harmonies

## Analogous

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



001C6C



00005B



470038

# Triad

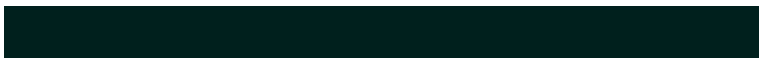
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



00005B



350100



00201D

# Complementary

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



00005B



5B5B00

# 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.



002000



00005B



131700

# Square

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



00005B



4B0000



002000



002347

# Rectangle

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



00005B



53001D



002000



00200D



# Sweetspot

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



00005B



525275



005B5B



26263B



BABABA



3B3B3B



# Same Dimension

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



00005B



000075



2E005B



29292E



00006E



0000ED



# Inverse Universe

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



5B005B



750075



2E5B00



2E292E



6E006E

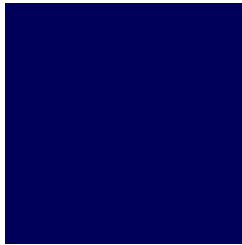


ED00ED



# Previews

## White Background



This preview shows how the Hex color 00005B looks on a white background.

## Color Contrast Check

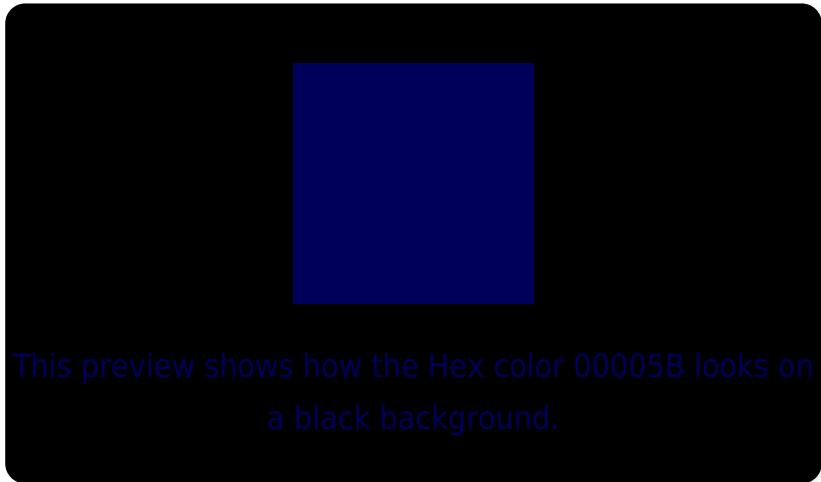
Large Text (above 18pt) WCAG AA ✓ Pass

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

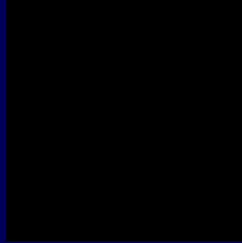
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 00005B Background



This preview shows how black text looks on a background with the Hex color 00005B.



This preview shows how white text looks on a background with the Hex color 00005B.

# 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**  
00005B

**Protanopia**  
001B38

**Deuteranopia**  
001C2F

# Trichromacy



**Original Color**  
00005B

**Protanomaly**  
001145

**Deuteranomaly**  
00123F

# Monochromacy



**Original Color**  
00005B

**Achromatopsia**  
0A0A0A

**Achromatomaly**  
060627

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00005B 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 #00005B looks like.

```
.text, #text, p{  
    color:#00005B  
}
```

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 #00005B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00005B
}
```

## Border

The CSS property to change the border of an element to Hex 00005B 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
#00005B }
```

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

```
.border{ border-color:#00005B }
```

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

Here you see how a box with a 4 pixel #00005B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00005B; -webkit-box-shadow:4px 4px  
4px 4px #00005B; box-shadow:4px 4px 4px  
4px #00005B }
```

# Background

The CSS property to change the background color of an element to Hex 00005B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00005B }
```

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

```
.background{ background-color:#00005B }
```

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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