

# Converting Colors

Hex(00165B)

Have a look what the booklet for  
Hex(00165B) contains.

<b>Hex(00165B)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(00165B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	00165B
RGB	0, 22, 91
RGB Percent	0%, 9%, 36%
CMY	1.0000, 0.9137, 0.6431
CMYK	1.00, 0.76, 0.00, 0.64
HSL	225°, 100%, 18%
HSV	225°, 100%, 36%
XYZ	2.1752, 1.3291, 10.0394
YIQ	23.2880, -35.2610, 16.7950

# Conversions

## Conversions Part 2

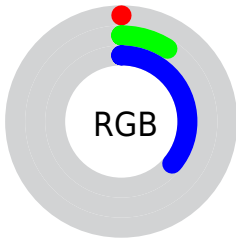
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 18, 91
Decimal	5723
CIELab	11.48, 23.52, -42.98
CIELCh	11, 48.992, 298.689
Yxy	1.3291, 0.1606, 0.0981
Android (android.graphics.Color)	4278195803 (0xFF00165B)
YUV	23.2880, 33.3820, -20.4236
Hunter-Lab	11.5289, 13.5034, -43.5600

# Details

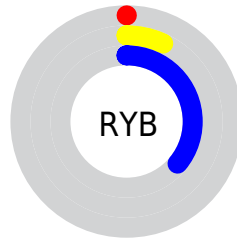
The Hex color **00165B** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **5B4500**, and the grayscale version is **171717**.

A 20% lighter version of the original color is **42418E**, and **00032C** is the 20% darker color. If you saturate the color by 10%, you get **00165B**, and if you desaturate by 10%, it is **091D5B**.

# Distribution



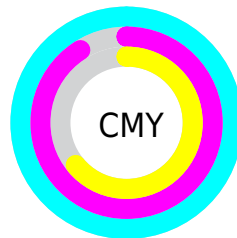
- Red (0%)
- Green (9%)
- Blue (36%)



- Red (0%)
- Yellow (7%)
- Blue (36%)



- Cyan (100%)
- Magenta (76%)
- Yellow (0%)
- Black (64%)



- Cyan (100%)
- Magenta (91%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00165B 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 00165B by changing the saturation by 10% instead.



■ 00165B

■ 00165B

■ FFF8FF

■ 000043

■ 42418E

■ 00032C

■ 5D58A9

■ 000116

■ 7870C4

■ 000000

■ 948AE1

■ AFA4FE

■ CCBFFF

■ E9DBFF

■ 00165B

■ 091D5B

■ 12245B

■ 1B2B5B

■ 24325B

■ 2E395B

■ 373F5B

■ 40465B

■ 494D5B

■ 52545B

# Harmonies

## Analogous

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



002564



00165B



420042

# Triad

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



00165B



410A00



002C1C

# Complementary

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



00165B



5B4500

# 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.



002A00



00165B



281D00

# Square

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



00165B



510000



002500



002C3E

# Rectangle

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



00165B



50002D



002500



002C0F



# Sweetspot

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



00165B



525B75



005B44



262B3B



BABABA



3B3B3B



# Same Dimension

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



00165B



001C75



17005B



292A2E



001B6E



0039ED



# Inverse Universe

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



5B0016



75001C



445B00



2E292A



6E001B



ED0039



# Previews

## White Background



This preview shows how the Hex color 00165B looks on a white background.

## Color Contrast Check

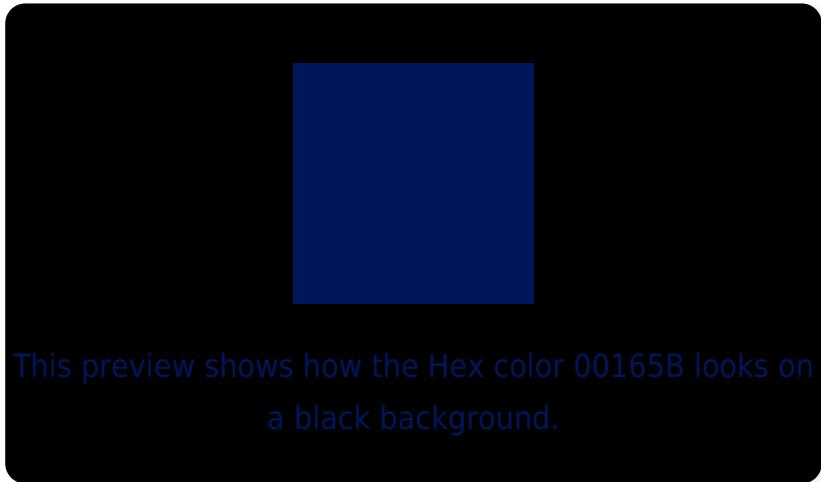
Large Text (above 18pt) WCAG AA ✓ Pass

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

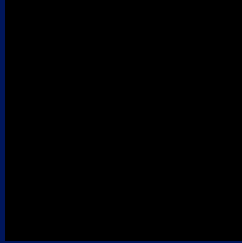
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 00165B Background



This preview shows how black text looks on a background with the Hex color 00165B.



This preview shows how white text looks on a background with the Hex color 00165B.

# 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**  
00165B

**Protanopia**  
001F42

**Deuteranopia**  
002138



# Trichromacy



**Original Color**  
00165B

**Protanomaly**  
001C4B

**Deuteranomaly**  
001D45

**Tritanomaly**  
001F39

# Monochromacy



**Original Color**  
00165B

**Achromatopsia**  
171717

**Achromatomaly**  
0F1730

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00165B 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 #00165B looks like.

```
.text, #text, p{  
    color:#00165B  
}
```

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 #00165B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00165B
}
```

## Border

The CSS property to change the border of an element to Hex 00165B 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
#00165B }
```

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

```
.border{ border-color:#00165B }
```

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

Here you see how a box with a 4 pixel #00165B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00165B; -webkit-box-shadow:4px 4px  
4px 4px #00165B; box-shadow:4px 4px 4px  
4px #00165B }
```

# Background

The CSS property to change the background color of an element to Hex 00165B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00165B }
```

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

```
.background{ background-color:#00165B }
```

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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