

# Converting Colors

Hex(0C4E8D)

Have a look what the booklet for  
Hex(0C4E8D) contains.

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# Color

**Hex(0C4E8D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0C4E8D
RGB	12, 78, 141
RGB Percent	5%, 31%, 55%
CMY	0.9529, 0.6941, 0.4471
CMYK	0.91, 0.45, 0.00, 0.45
HSL	209°, 84%, 30%
HSV	209°, 91%, 55%
XYZ	7.6837, 7.4500, 26.2323
YIQ	65.4480, -59.5590, 5.6010

# Conversions

## Conversions Part 2

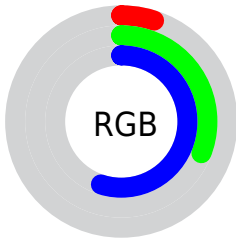
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	12, 56, 141
Decimal	806541
CIE <sub>Lab</sub>	32.81, 5.81, -40.29
CIE <sub>LCh</sub>	33, 40.709, 278.201
Yxy	7.4500, 0.1857, 0.1801
Android (android.graphics.Color)	4278996621 (0xFF0C4E8D)
YUV	65.4480, 37.2471, -46.8739
Hunter-Lab	27.2947, 2.4836, -37.8759

# Details

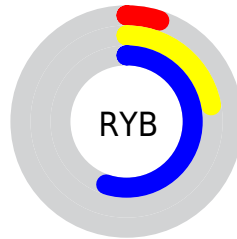
The Hex color **0C4E8D** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **8D4B0C**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **547FC3**, and **00235A** is the 20% darker color. If you saturate the color by 10%, you get **00488D**, and if you desaturate by 10%, it is **1A558D**.

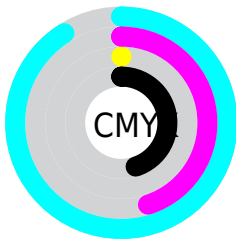
# Distribution



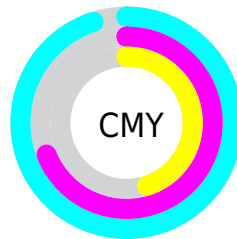
- Red (5%)
- Green (31%)
- Blue (55%)



- Red (5%)
- Yellow (22%)
- Blue (55%)



- Cyan (91%)
- Magenta (45%)
- Yellow (0%)
- Black (45%)



- Cyan (95%)
- Magenta (69%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0C4E8D 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 0C4E8D by changing the saturation by 10% instead.



0C4E8D

0C4E8D

FFFFFF

003873

547FC3

00235A

7098DF

000C42

8DB3FC

00032B

A9CEFF

000116

C6EAFF

000000

E3FFFF

0C4E8D

0C4E8D

00488D

1A558D

■ 285C8D

■ 36638D

■ 446A8D

■ 53708D

■ 61778D

■ 6F7E8D

■ 7D858D

■ 8B8C8D

# Harmonies

## Analogous

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



005789



0C4E8D



5A4180

# Triad

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



0C4E8D



823527



005B34

# Complementary

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



0C4E8D



8D4B0C

# 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.



325616



0C4E8D



70430D

# Square

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



0C4E8D



872D46



554E02



005C55

# Rectangle

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



0C4E8D



72376F



554E02



095A29



# Sweetspot

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



0C4E8D



869FB8



0C8D4A



3E4D5C



DBDBDB



5C5C5C



# Same Dimension

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



0C4E8D



005EB8



0C0E8D



404447



004587



000408



# Inverse Universe

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



8D0C4E



B8005E



8D8B0C



474044



870045



080004



# Previews

## White Background



This preview shows how the Hex color 0C4E8D looks on a white background.

## Color Contrast Check

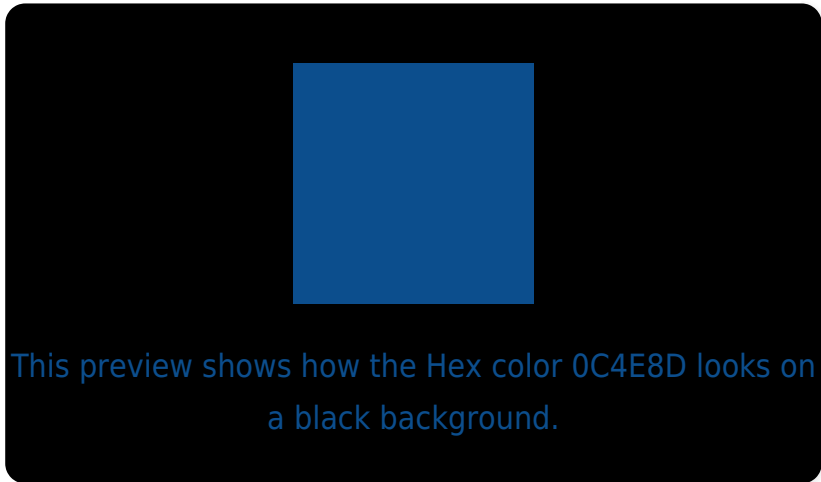
Large Text (above 18pt) WCAG AA ✓ Pass

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 0C4E8D Background



This preview shows how black text looks on a background with the Hex color 0C4E8D.



This preview shows how white text looks on a background with the Hex color 0C4E8D.

# 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**


0C4E8D

**Protanopia**

2F4B8A

**Deuteranopia**

004F8B



**Tritanopia**  
00565C

# Trichromacy



**Original Color**  
0C4E8D

**Protanomaly**  
224C8B

**Deuteranomaly**  
044F8C

**Tritanomaly**  
04536E

# Monochromacy



**Original Color**  
0C4E8D

**Achromatopsia**  
414141

**Achromatomaly**  
2E465D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0C4E8D 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 #0C4E8D looks like.

```
.text, #text, p{  
    color:#0C4E8D  
}
```

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 #0C4E8D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0C4E8D
}
```

## Border

The CSS property to change the border of an element to Hex 0C4E8D 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
#0C4E8D }
```

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

```
.border{ border-color:#0C4E8D }
```

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

Here you see how a box with a 4 pixel #0C4E8D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0C4E8D; -webkit-box-shadow:4px 4px  
4px 4px #0C4E8D; box-shadow:4px 4px 4px  
4px #0C4E8D }
```

# Background

The CSS property to change the background color of an element to Hex 0C4E8D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0C4E8D }
```

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

```
.background{ background-color:#0C4E8D }
```

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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