

# Converting Colors

Hex(0E3D77)

Have a look what the booklet for  
Hex(0E3D77) contains.

<b>Hex(0E3D77)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(0E3D77)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0E3D77
RGB	14, 61, 119
RGB Percent	5%, 24%, 47%
CMY	0.9451, 0.7608, 0.5333
CMYK	0.88, 0.49, 0.00, 0.53
HSL	213°, 79%, 26%
HSV	213°, 88%, 47%
XYZ	5.1796, 4.7628, 18.0991
YIQ	53.5590, -46.6300, 8.0740

# Conversions

## Conversions Part 2

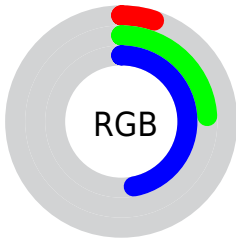
<b>Format</b>	<b>Color</b>
<b>RYB</b>	14, 46, 119
Decimal	933239
CIELab	26.05, 8.32, -37.47
CIElCh	26, 38.384, 282.524
Yxy	4.7628, 0.1847, 0.1698
Android (android.graphics.Color)	4279123319 (0xFF0E3D77)
YUV	53.5590, 32.2624, -34.6932
Hunter-Lab	21.8237, 4.1734, -33.8943

# Details

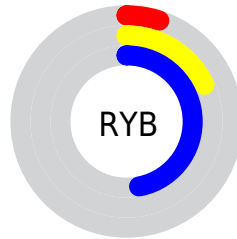
The Hex color **0E3D77** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **77480E**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **4E6CAC**, and **001446** is the 20% darker color. If you saturate the color by 10%, you get **023677**, and if you desaturate by 10%, it is **1A4477**.

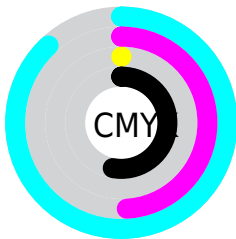
# Distribution



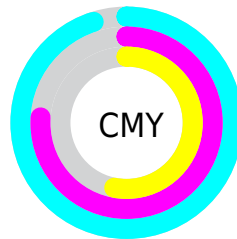
- Red (5%)
- Green (24%)
- Blue (47%)



- Red (5%)
- Yellow (18%)
- Blue (47%)



- Cyan (88%)
- Magenta (49%)
- Yellow (0%)
- Black (53%)



- Cyan (95%)
- Magenta (76%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0E3D77 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 0E3D77 by changing the saturation by 10% instead.





0E3D77



0E3D77

FFFFFF



00285E



4E6CAC



001446



6A85C7



00042F



859FE4



000119



A1BAFF



000000



BED5FF



DAF2FF



F8FFFF



0E3D77



0E3D77

■ 023677

■ 1A4477

■ 003577

■ 264A77

■ 325177

■ 3E5777

■ 4A5E77

■ 556477

■ 616B77

■ 6D7277

■ 797877

# Harmonies

## Analogous

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



004675



0E3D77



4E3069

# Triad

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



0E3D77



6B2917



004A2B

# Complementary

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



0E3D77



77480E

# 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.



1E470E



0E3D77



593600

# Square

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



0E3D77



711F33



404000



004B49

# Rectangle

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



0E3D77



622759



404000



004921



# Sweetspot

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



0E3D77



73859C



0E7748



37424F



CFCFCF



4F4F4F



# Same Dimension

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



0E3D77



00469C



130E77



35373B



00377A



0070FA



# Inverse Universe

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



770E3D



9C0046



72770E



3B3537



7A0037



FA0070



# Previews

## White Background



This preview shows how the Hex color 0E3D77 looks on a white background.

## Color Contrast Check

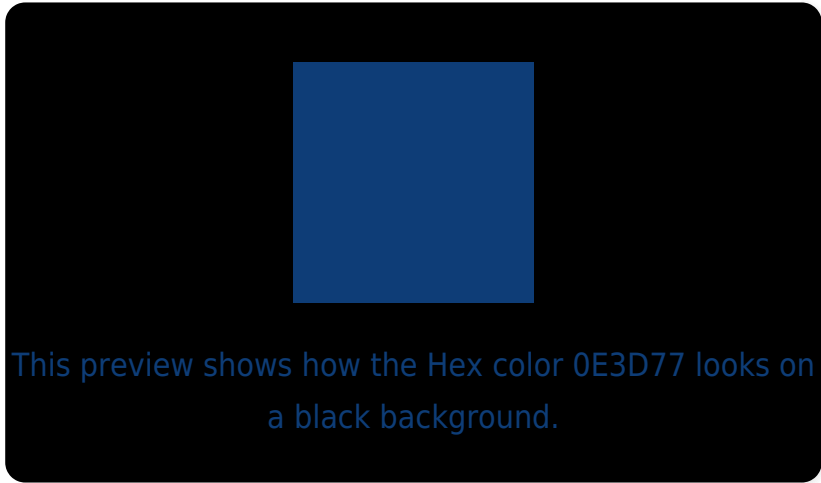
Large Text (above 18pt) WCAG AA ✓ Pass

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

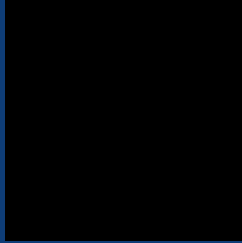
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0E3D77 Background



This preview shows how black text looks on a background with the Hex color 0E3D77.



This preview shows how white text looks on a background with the Hex color 0E3D77.

# 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**  
0E3D77

**Protanopia**  
1D3C76

**Deuteranopia**  
003F6E



# Trichromacy



**Original Color**  
0E3D77

**Protanomaly**  
183C76

**Deuteranomaly**  
053E71

**Tritanomaly**  
05425A

# Monochromacy



**Original Color**  
0E3D77

**Achromatopsia**  
363636

**Achromatomaly**  
27394E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0E3D77 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 #0E3D77 looks like.

```
.text, #text, p{  
    color:#0E3D77  
}
```

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 #0E3D77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0E3D77
}
```

## Border

The CSS property to change the border of an element to Hex 0E3D77 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
#0E3D77 }
```

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

```
.border{ border-color:#0E3D77 }
```

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

Here you see how a box with a 4 pixel #0E3D77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0E3D77; -webkit-box-shadow:4px 4px  
4px 4px #0E3D77; box-shadow:4px 4px 4px  
4px #0E3D77 }
```

# Background

The CSS property to change the background color of an element to Hex 0E3D77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0E3D77 }
```

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

```
.background{ background-color:#0E3D77 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor