

# Converting Colors

Hex(123D77)

Have a look what the booklet for  
Hex(123D77) contains.

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# Color

Hex(123D77)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	123D77
RGB	18, 61, 119
RGB Percent	7%, 24%, 47%
CMY	0.9294, 0.7608, 0.5333
CMYK	0.85, 0.49, 0.00, 0.53
HSL	214°, 74%, 27%
HSV	214°, 85%, 47%
XYZ	5.2480, 4.7980, 18.1023
YIQ	54.7550, -44.2460, 8.9220

# Conversions

## Conversions Part 2

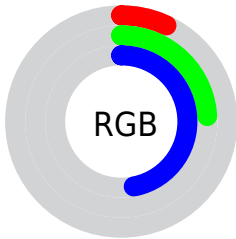
<b>Format</b>	<b>Color</b>
<b>RYB</b>	18, 48, 119
Decimal	1195383
CIELab	26.15, 8.71, -37.30
CIELCh	26, 38.302, 283.141
Yxy	4.7980, 0.1864, 0.1705
Android (android.graphics.Color)	4279385463 (0xFF123D77)
YUV	54.7550, 31.6728, -32.2341
Hunter-Lab	21.9043, 4.4335, -33.6657

# Details

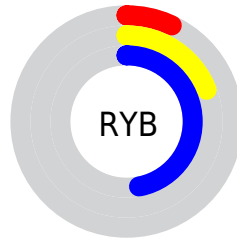
The Hex color **123D77** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **774C12**, and the grayscale version is **363636**.

A 20% lighter version of the original color is **506CAC**, and **001446** is the 20% darker color. If you saturate the color by 10%, you get **063677**, and if you desaturate by 10%, it is **1E4477**.

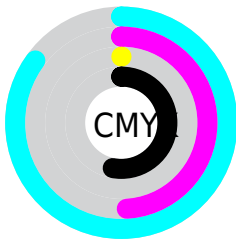
# Distribution



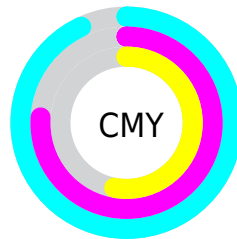
- Red (7%)
- Green (24%)
- Blue (47%)



- Red (7%)
- Yellow (19%)
- Blue (47%)



- Cyan (85%)
- Magenta (49%)
- Yellow (0%)
- Black (53%)



- Cyan (93%)
- Magenta (76%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 123D77 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 123D77 by changing the saturation by 10% instead.



■ 123D77

■ 123D77

FFFFFF

■ 00285E

■ 506CAC

■ 001446

■ 6B85C7

■ 00042F

■ 879FE4

■ 000119

■ A3BAFF

■ 000000

■ BFD6FF

■ DCF2FF

■ F9FFFF

■ 123D77

■ 123D77

■ 063677

■ 1E4477

■ 003377

■ 2A4B77

■ 365277

■ 425877

■ 4D5F77

■ 596677

■ 656D77

■ 717477

■ 7D7B77

# Harmonies

## Analogous

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



004676



123D77



4F3069

# Triad

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



123D77



6B2A17



004A2C

# Complementary

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



123D77



774C12

# 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.



1E470F



123D77



593600

# Square

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



123D77



722032



404100



004B4A

# Rectangle

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



123D77



632759



404100



004922



# Sweetspot

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



123D77



75859C



12774B



37414F



CFCFCF



4F4F4F



# Same Dimension

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



123D77



00429C



191277



35373B



00347A



006AFA



# Inverse Universe

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



77123D



9C0042



707712



3B3537



7A0034



FA006A



# Previews

## White Background



This preview shows how the Hex color 123D77 looks on a white background.

## Color Contrast Check

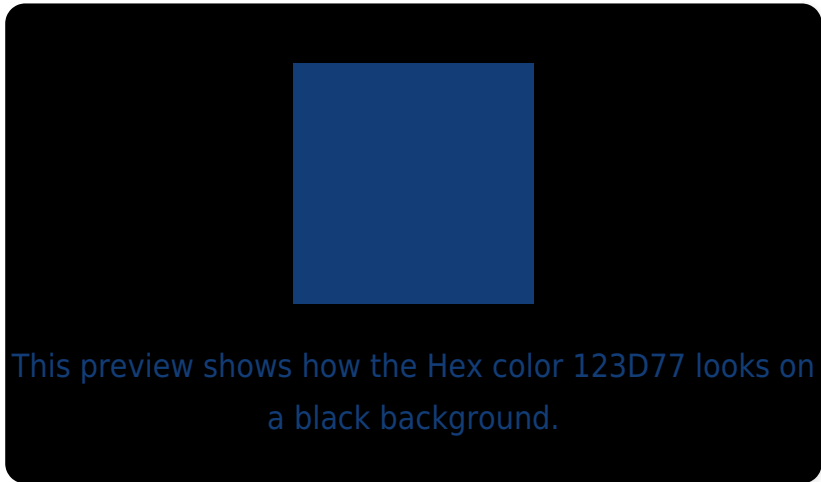
Large Text (above 18pt) WCAG AA ✓ Pass

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

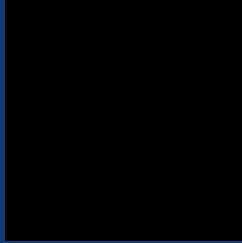
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 123D77 Background



This preview shows how black text looks on a background with the Hex color 123D77.



This preview shows how white text looks on a background with the Hex color 123D77.

# 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**  
123D77

**Protanopia**  
1E3C76

**Deuteranopia**  
003F6F



**Tritanopia**  
00454A

# Trichromacy



**Original Color**  
123D77

**Protanomaly**  
1A3C76

**Deuteranomaly**  
073E72

**Tritanomaly**  
07425A

# Monochromacy



**Original Color**  
123D77

**Achromatopsia**  
373737

**Achromatomaly**  
2A394E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 123D77 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 #123D77 looks like.

```
.text, #text, p{  
    color:#123D77  
}
```

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 #123D77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #123D77
}
```

## Border

The CSS property to change the border of an element to Hex 123D77 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
#123D77 }
```

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

```
.border{ border-color:#123D77 }
```

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

Here you see how a box with a 4 pixel #123D77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #123D77; -webkit-box-shadow:4px 4px  
4px 4px #123D77; box-shadow:4px 4px 4px  
4px #123D77 }
```

# Background

The CSS property to change the background color of an element to Hex 123D77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#123D77 }
```

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

```
.background{ background-color:#123D77 }
```

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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