

# Converting Colors

Hex(23637C)

Have a look what the booklet for  
Hex(23637C) contains.

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# Color

Hex(23637C)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	23637C
RGB	35, 99, 124
RGB Percent	14%, 39%, 49%
CMY	0.8627, 0.6118, 0.5137
CMYK	0.72, 0.20, 0.00, 0.51
HSL	197°, 56%, 31%
HSV	197°, 72%, 49%
XYZ	8.7931, 10.7362, 20.6776
YIQ	82.7140, -46.1690, -5.7930

# Conversions

## Conversions Part 2

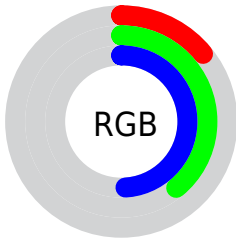
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 72, 124
Decimal	2319228
CIELab	39.13, -11.50, -19.90
CIElCh	39, 22.989, 239.971
Yxy	10.7362, 0.2187, 0.2670
Android (android.graphics.Color)	4280509308 (0xFF23637C)
YUV	82.7140, 20.3540, -41.8452
Hunter-Lab	32.7662, -9.4390, -14.4796




# Details

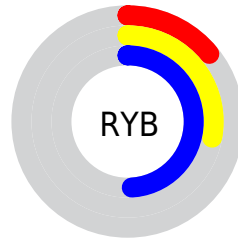
The Hex color **23637C** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7C3C23**, and the grayscale version is **535353**.




A 20% lighter version of the original color is **5C96B1**, and **00344B** is the 20% darker color. If you saturate the color by 10%, you get **17607C**, and if you desaturate by 10%, it is **2F667C**.

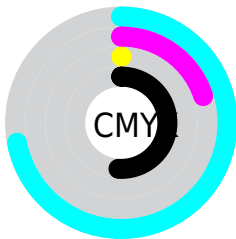
# Distribution







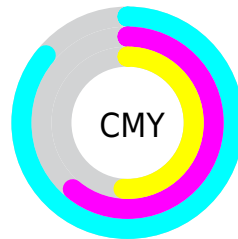
-  Red (14%)
-  Green (39%)
-  Blue (49%)






-  Red (14%)
-  Yellow (28%)
-  Blue (49%)



-  Cyan (72%)
-  Magenta (20%)
-  Yellow (0%)
-  Black (51%)



-  Cyan (86%)
-  Magenta (61%)
-  Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 23637C 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 23637C by changing the saturation by 10% instead.



■ 23637C

■ 23637C

FFFFFF

■ 004B63

■ 5C96B1

■ 00344B

■ 77B0CC

■ 001F34

■ 93CCE8

■ 00021F

■ AEE8FF

■ 000003

■ CBFFFF

■ 000000

■ E8FFFF

■ 23637C

■ 23637C

■ 17607C

■ 2F667C

■ 0A5C7C

■ 3C6A7C

■ 00597C

■ 486D7C

■ 55717C

■ 61747C

■ 6D787C

■ 7A7B7C

■ 867F7C

■ 93827C

# Harmonies

## Analogous

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



14666E



23637C



425E81

# Triad

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



23637C



7F4E5D



55613B

# Complementary

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



23637C



7C3C23

# 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.



695B37



23637C



804F4A

# Square

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



23637C



74516F



78553C



3F6449

# Rectangle

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



23637C



555A7F



78553C



5C5F39



# Sweetspot

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



23637C



7D97A1



237C3B



3C4C52



D1D1D1



525252



# Same Dimension

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



23637C



167AA1



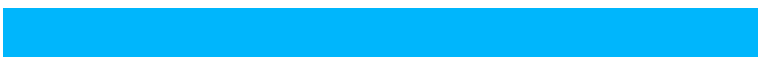
23387C



373B3D



005A7D



00B6FC



# Inverse Universe

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



7C2363



A1167A



7C6723



3D373B



7D005A



FC00B6



# Previews

## White Background



This preview shows how the Hex color 23637C looks on a white background.

### Color Contrast Check

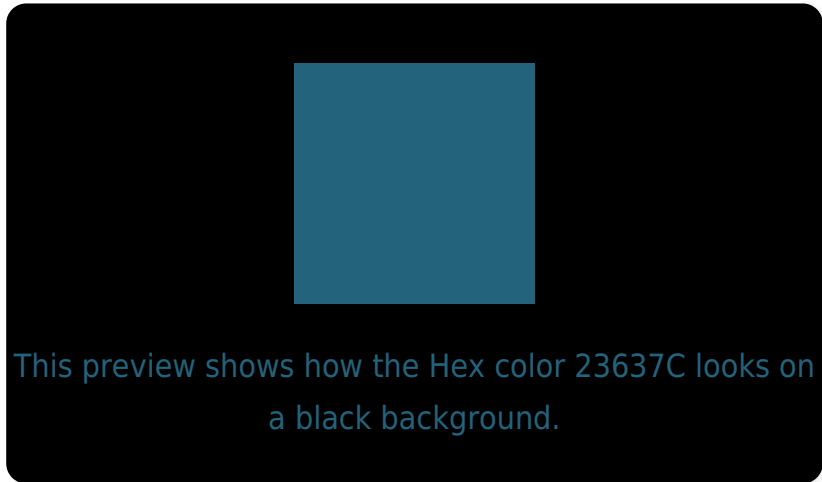
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

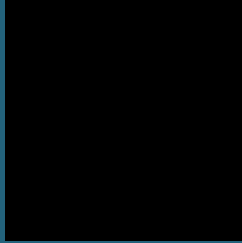
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 23637C Background



This preview shows how black text looks on a background with the Hex color 23637C.

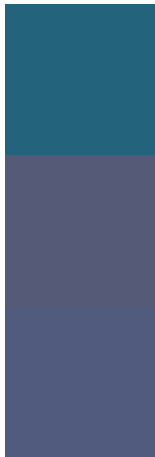


This preview shows how white text looks on a background with the Hex color 23637C.

# 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**  
23637C

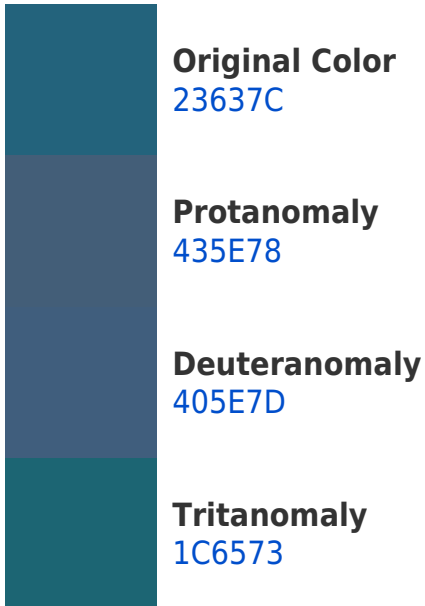
**Protanopia**  
555B76

**Deuteranopia**  
515B7E



**Tritanopia**  
18666E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 23637C 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 #23637C looks like.

```
.text, #text, p{  
    color:#23637C  
}
```

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 #23637C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #23637C
}
```

## Border

The CSS property to change the border of an element to Hex 23637C 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
#23637C }
```

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

```
.border{ border-color:#23637C }
```

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

Here you see how a box with a 4 pixel #23637C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #23637C; -webkit-box-shadow:4px 4px  
4px 4px #23637C; box-shadow:4px 4px 4px  
4px #23637C }
```

# Background

The CSS property to change the background color of an element to Hex 23637C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#23637C }
```

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

```
.background{ background-color:#23637C }
```

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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