

# Converting Colors

Hex(163A5E)

Have a look what the booklet for  
Hex(163A5E) contains.

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# Color

**Hex(163A5E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	163A5E
RGB	22, 58, 94
RGB Percent	9%, 23%, 37%
CMY	0.9137, 0.7725, 0.6314
CMYK	0.77, 0.38, 0.00, 0.63
HSL	210°, 62%, 23%
HSV	210°, 77%, 37%
XYZ	3.8643, 4.0048, 11.1590
YIQ	51.3400, -33.0120, 3.5640

# Conversions

## Conversions Part 2

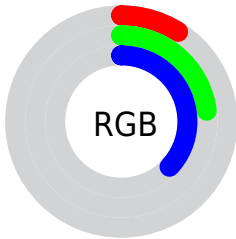
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 46, 94
Decimal	1456734
CIE Lab	23.69, 0.86, -25.17
CIE LCh	24, 25.183, 271.962
Yxy	4.0048, 0.2031, 0.2105
Android (android.graphics.Color)	4279646814 (0xFF163A5E)
YUV	51.3400, 21.0314, -25.7312
Hunter-Lab	20.0121, -0.5530, -19.0524

# Details

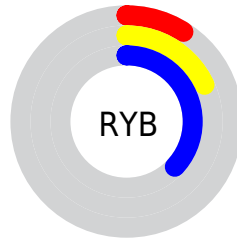
The Hex color **163A5E** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **5E3A16**, and the grayscale version is **333333**.

A 20% lighter version of the original color is **4C6991**, and **000F30** is the 20% darker color. If you saturate the color by 10%, you get **0D355E**, and if you desaturate by 10%, it is **1F3F5E**.

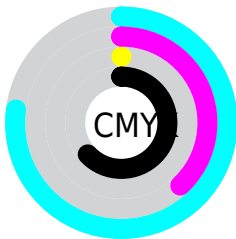
# Distribution



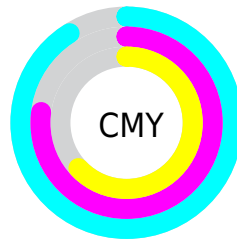
- Red (9%)
- Green (23%)
- Blue (37%)



- Red (9%)
- Yellow (18%)
- Blue (37%)



- Cyan (77%)
- Magenta (38%)
- Yellow (0%)
- Black (63%)



- Cyan (91%)
- Magenta (77%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 163A5E 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 163A5E by changing the saturation by 10% instead.



■ 163A5E

■ 163A5E

FFFFFF

■ 002546

■ 4C6991

■ 000F30

■ 6682AB

■ 00011A

■ 809CC7

■ 000000

■ 9BB7E3

■ B7D2FF

■ D3EEFF

■ F0FFFF

■ 163A5E

■ 163A5E

■ 0D355E

■ 1F3F5E

■ 03315E

■ 29435E

■ 002F5E

■ 32485E

■ 3C4D5E

■ 45525E

■ 4E565E

■ 585B5E

■ 61605E

■ 6B645E

# Harmonies

## Analogous

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



003F59



163A5E



3B3358

# Triad

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



163A5E



5A2A25



154026

# Complementary

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



163A5E



5E3A16

# 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.



2F3D17



163A5E



513117

# Square

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



163A5E



5B2838



423811



004239

# Rectangle

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



163A5E



4B2E50



423811



1F3F20



# Sweetspot

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



163A5E



5E6C7A



165E3A



2C353D



BDBDBD



3D3D3D



# Same Dimension

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



163A5E



0A427A



16165E



292C2E



00376E



0077ED



# Inverse Universe

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



5E163A



7A0A42



5E5E16



2E292C



6E0037



ED0077



# Previews

## White Background



This preview shows how the Hex color 163A5E looks on a white background.

## Color Contrast Check

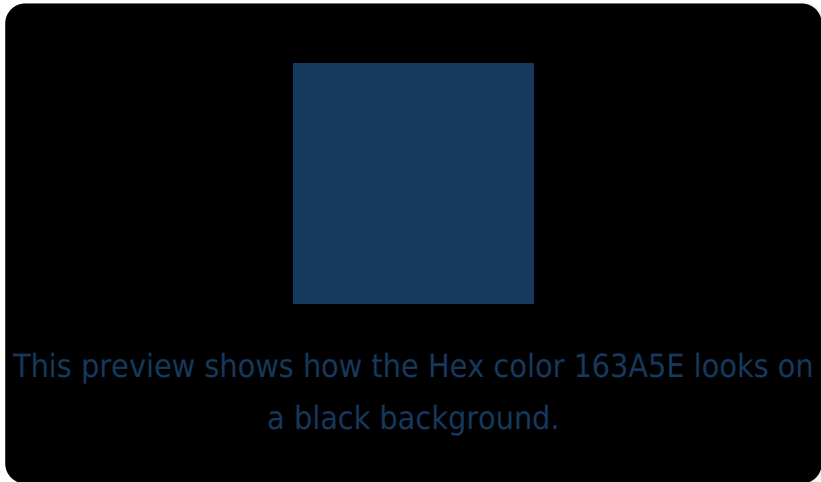
Large Text (above 18pt) WCAG AA ✓ Pass

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

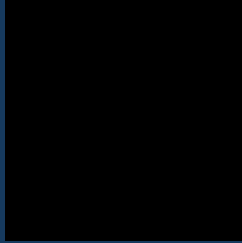
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 163A5E Background



This preview shows how black text looks on a background with the Hex color 163A5E.



This preview shows how white text looks on a background with the Hex color 163A5E.

# 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**  
163A5E

**Protanopia**  
2A375B

**Deuteranopia**  
1F395E



**Tritanopia**  
003F44

# Trichromacy



**Original Color**  
163A5E

**Protanomaly**  
23385C

**Deuteranomaly**  
1C395E

**Tritanomaly**  
083D4D

# Monochromacy



**Original Color**  
163A5E

**Achromatopsia**  
333333

**Achromatomaly**  
283643

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 163A5E 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 #163A5E looks like.

```
.text, #text, p{  
    color:#163A5E  
}
```

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 #163A5E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #163A5E
}
```

## Border

The CSS property to change the border of an element to Hex 163A5E 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
#163A5E }
```

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

```
.border{ border-color:#163A5E }
```

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

Here you see how a box with a 4 pixel #163A5E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #163A5E; -webkit-box-shadow:4px 4px  
4px 4px #163A5E; box-shadow:4px 4px 4px  
4px #163A5E }
```

# Background

The CSS property to change the background color of an element to Hex 163A5E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#163A5E }
```

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

```
.background{ background-color:#163A5E }
```

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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