

Converting Colors

Hex(00163E)

Have a look what the booklet for
Hex(00163E) contains.

Hex(00163E)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(00163E)

Conversions

Conversions Part 1

Format	Color
Hex	00163E
RGB	0, 22, 62
RGB Percent	0%, 9%, 24%
CMY	1.0000, 0.9137, 0.7569
CMYK	1.00, 0.65, 0.00, 0.76
HSL	219°, 100%, 12%
HSV	219°, 100%, 24%
XYZ	1.1564, 0.9216, 4.6744
YIQ	19.9820, -25.9520, 7.7760

Conversions

Conversions Part 2

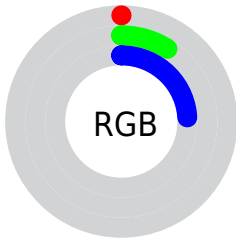
Format	Color
RYB	0, 16, 62
Decimal	5694
CIELab	8.32, 10.17, -28.10
CIElCh	8, 29.881, 289.895
Yxy	0.9216, 0.1713, 0.1365
Android (android.graphics.Color)	4278195774 (0xFF00163E)
YUV	19.9820, 20.7149, -17.5242
Hunter-Lab	9.6001, 4.7016, -22.1487

Details

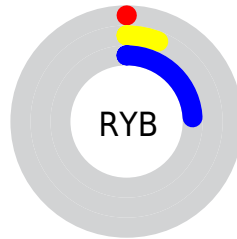
The Hex color **00163E** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **3E2800**, and the grayscale version is **141414**.

A 20% lighter version of the original color is **36406E**, and **000112** is the 20% darker color. If you saturate the color by 10%, you get **00163E**, and if you desaturate by 10%, it is **061A3E**.

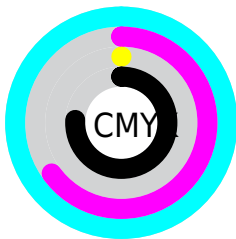
Distribution



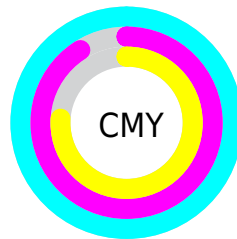
- Red (0%)
- Green (9%)
- Blue (24%)



- Red (0%)
- Yellow (6%)
- Blue (24%)



- Cyan (100%)
- Magenta (65%)
- Yellow (0%)
- Black (76%)



- Cyan (100%)
- Magenta (91%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00163E 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 00163E by changing the saturation by 10% instead.

■ 00163E

■ 00163E

■ F2F6FF

■ 000028

■ 36406E

■ 000112

■ 4F5788

■ 000000

■ 696FA2

■ 8389BD

■ 9EA3D9

■ B9BEF6

■ D5DAFF

■ 00163E

■ 061A3E

■ 0C1E3E

■ 13223E

■ 19263E

■ 1F2A3E

■ 252E3E

■ 2B323E

■ 32363E

■ 383A3E

Harmonies

Analogous

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



001D40



00163E



280B32

Triad

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



00163E



330B00



00220F

Complementary

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



00163E



3E2800

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.



002000



00163E



251500

Square

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



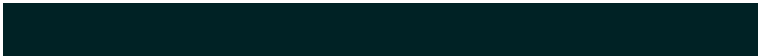
00163E



3A0007



121B00



002225

Rectangle

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



00163E



340326



121B00



002104

Sweetspot

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



00163E



394252



003E27



1A1F29



A8A8A8



292929

Same Dimension

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



00163E



001D52



08003E



1C1D1F



00215E



004FDE

Inverse Universe

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



3E0016



52001D



363E00



1F1C1D



5E0021



DE004F

Previews

White Background



This preview shows how the Hex color 00163E looks on a white background.

Color Contrast Check

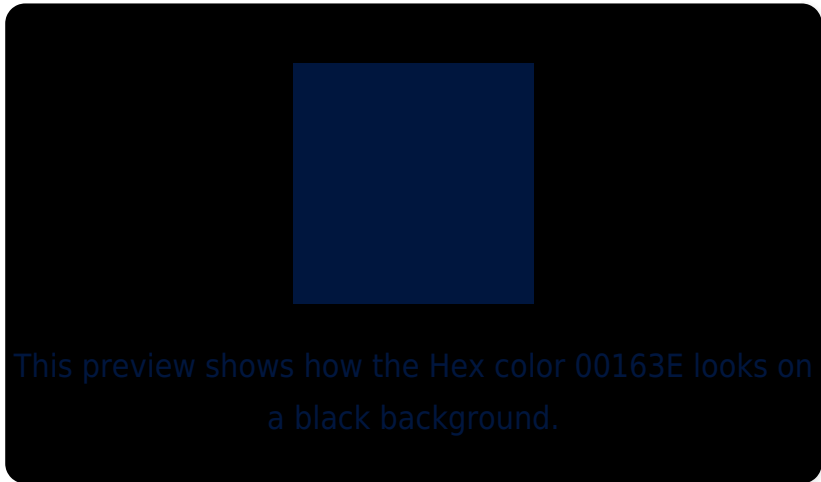
Large Text (above 18pt) WCAG AA ✓ Pass

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 00163E Background



This preview shows how black text looks on a background with the Hex color 00163E.



This preview shows how white text looks on a background with the Hex color 00163E.

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
00163E

Protanopia
001934

Deuteranopia
001A2D



Tritanopia
001D1E

Trichromacy



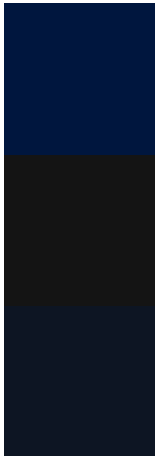
Original Color
00163E

Protanomaly
001838

Deuteranomaly
001933

Tritanomaly
001A2A

Monochromacy



Original Color
00163E

Achromatopsia
141414

Achromatomaly
0D1523

CSS Examples

Text

The CSS property to change the color of the text to Hex 00163E 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 #00163E looks like.

```
.text, #text, p{  
    color:#00163E  
}
```

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 #00163E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00163E
}
```

Border

The CSS property to change the border of an element to Hex 00163E 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
#00163E }
```

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

```
.border{ border-color:#00163E }
```

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

Here you see how a box with a 4 pixel #00163E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00163E; -webkit-box-shadow:4px 4px  
4px 4px #00163E; box-shadow:4px 4px 4px  
4px #00163E }
```

Background

The CSS property to change the background color of an element to Hex 00163E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00163E }
```

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

```
.background{ background-color:#00163E }
```

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