

# Converting Colors

Hex(163B48)

Have a look what the booklet for  
Hex(163B48) contains.

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# Color

**Hex(163B48)**

# Conversions

## Conversions Part 1

Format	Color
Hex	163B48
RGB	22, 59, 72
RGB Percent	9%, 23%, 28%
CMY	0.9137, 0.7686, 0.7176
CMYK	0.69, 0.18, 0.00, 0.72
HSL	196°, 53%, 18%
HSV	196°, 69%, 28%
XYZ	3.0645, 3.7664, 6.6964
YIQ	49.4190, -26.2250, -3.8010

# Conversions

## Conversions Part 2

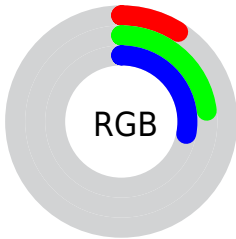
Format	Color
<b>R<sub>YB</sub></b>	22, 43, 72
Decimal	1456968
CIE Lab	22.88, -8.46, -11.90
CIE LCh	23, 14.605, 234.594
Yxy	3.7664, 0.2265, 0.2784
Android (android.graphics.Color)	4279647048 (0xFF163B48)
YUV	49.4190, 11.1324, -24.0465
Hunter-Lab	19.4072, -5.7760, -6.8727

# Details

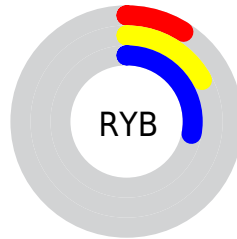
The Hex color **163B48** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **482316**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **476A79**, and **00111D** is the 20% darker color. If you saturate the color by 10%, you get **0F3948**, and if you desaturate by 10%, it is **1D3D48**.

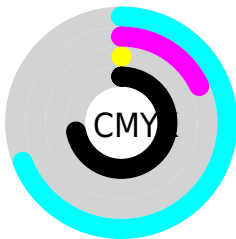
# Distribution



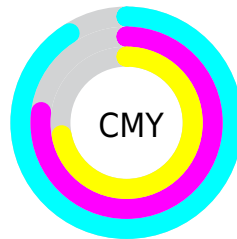
- Red (9%)
- Green (23%)
- Blue (28%)



- Red (9%)
- Yellow (17%)
- Blue (28%)



- Cyan (69%)
- Magenta (18%)
- Yellow (0%)
- Black (72%)



- Cyan (91%)
- Magenta (77%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 163B48 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 163B48 by changing the saturation by 10% instead.



 163B48

 163B48

FFFFFF

 002532

 476A79

 00111D

 608392

 000000

 7A9EAD

 95B8C8

 B0D4E4

 CCF0FF

 E8FFFF

 163B48

 163B48

■ 0F3948

■ 1D3D48

■ 083748

■ 243F48

■ 003548

■ 2C4148

■ 334248

■ 3A4448

■ 414648

■ 484848

■ 504A48

■ 574C48

# Harmonies

## Analogous

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



123C3F



163B48



25384C

# Triad

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



163B48



4A2F39



353923

# Complementary

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



163B48



482316

# 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.



403521



163B48



4C2F2E

# Square

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



163B48



433143



483225



283B2A

# Rectangle

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



163B48



30364C



483225



393821



# Sweetspot

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



163B48



4B595E



164823



242D30



B0B0B0



303030



# Same Dimension

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



163B48



104A5E



162348



202324



004A63



00A8E3



# Inverse Universe

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



48163B



5E104A



483B16



242023



63004A

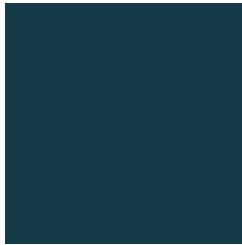


E300A8



# Previews

## White Background



This preview shows how the Hex color 163B48 looks on a white background.

## Color Contrast Check

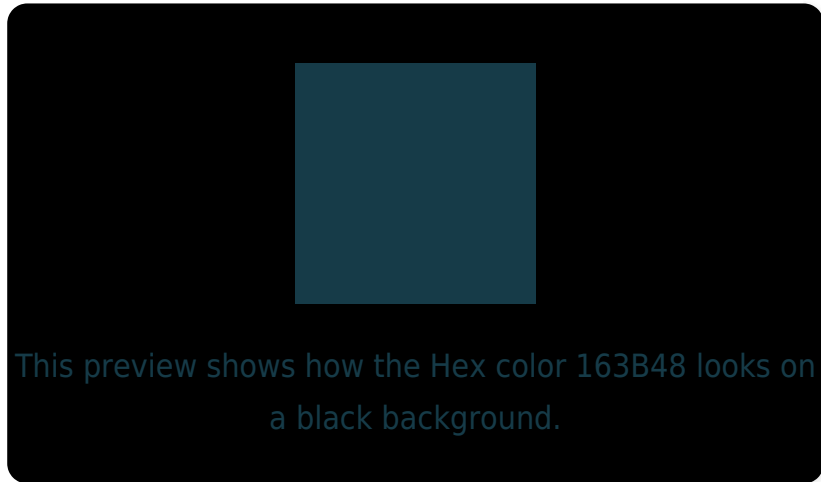
Large Text (above 18pt) WCAG AA ✓ Pass

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

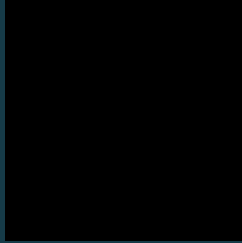
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

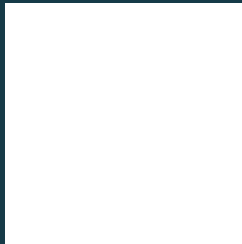
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 163B48 Background



This preview shows how black text looks on a background with the Hex color 163B48.



This preview shows how white text looks on a background with the Hex color 163B48.

# 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**  
163B48

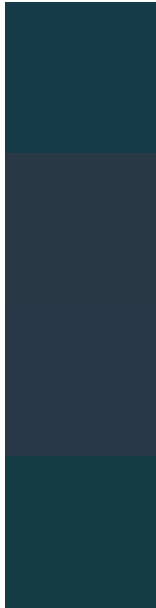
**Protanopia**  
333644

**Deuteranopia**  
323649



**Tritanopia**  
123C41

# Trichromacy



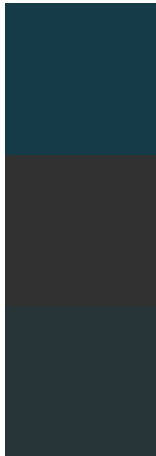
**Original Color**  
163B48

**Protanomaly**  
283845

**Deuteranomaly**  
283849

**Tritanomaly**  
133C44

# Monochromacy



**Original Color**  
163B48

**Achromatopsia**  
313131

**Achromatomaly**  
273539

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 163B48 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 #163B48 looks like.

```
.text, #text, p{  
    color:#163B48  
}
```

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 #163B48 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #163B48
}
```

## Border

The CSS property to change the border of an element to Hex 163B48 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
#163B48 }
```

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

```
.border{ border-color:#163B48 }
```

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

Here you see how a box with a 4 pixel #163B48 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #163B48; -webkit-box-shadow:4px 4px  
4px 4px #163B48; box-shadow:4px 4px 4px  
4px #163B48 }
```

# Background

The CSS property to change the background color of an element to Hex 163B48 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#163B48 }
```

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

```
.background{ background-color:#163B48 }
```

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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