

# Converting Colors

Hex(1B3E37)

Have a look what the booklet for  
Hex(1B3E37) contains.

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# Color

Hex(1B3E37)

# Conversions

## Conversions Part 1

Format	Color
Hex	1B3E37
RGB	27, 62, 55
RGB Percent	11%, 24%, 22%
CMY	0.8941, 0.7569, 0.7843
CMYK	0.56, 0.00, 0.11, 0.76
HSL	168°, 39%, 17%
HSV	168°, 56%, 24%
XYZ	2.8642, 3.9541, 4.2267
YIQ	50.7370, -18.6130, -9.5970

# Conversions

## Conversions Part 2

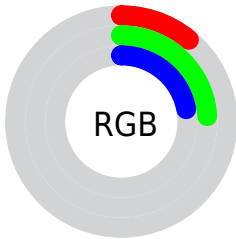
<b>Format</b>	<b>Color</b>
<b>RYB</b>	27, 46, 62
Decimal	1785399
CIELab	23.52, -14.75, 0.42
CIELCh	24, 14.753, 178.378
Yxy	3.9541, 0.2593, 0.3580
Android (android.graphics.Color)	4279975479 (0xFF1B3E37)
YUV	50.7370, 2.1017, -20.8173
Hunter-Lab	19.8849, -9.0876, 1.3169




# Details

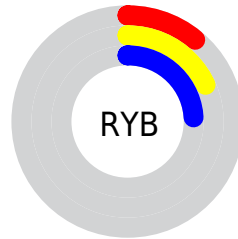
The Hex color **1B3E37** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3E1B22**, and the grayscale version is **333333**.




A 20% lighter version of the original color is **4A6E66**, and **00150B** is the 20% darker color. If you saturate the color by 10%, you get **153E36**, and if you desaturate by 10%, it is **213E38**.

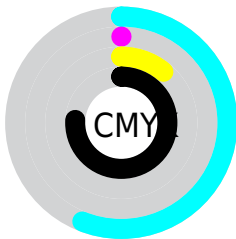
# Distribution







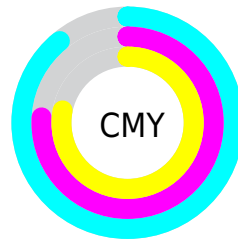
-  Red (11%)
-  Green (24%)
-  Blue (22%)






-  Red (11%)
-  Yellow (18%)
-  Blue (24%)



-  Cyan (56%)
-  Magenta (0%)
-  Yellow (11%)
-  Black (76%)



-  Cyan (89%)
-  Magenta (76%)
-  Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1B3E37 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 1B3E37 by changing the saturation by 10% instead.



■ 1B3E37

■ 1B3E37

FFFFFF

■ 032822

■ 4A6E66

■ 00150B

■ 62877F

■ 000000

■ 7CA199

■ 96BDB3

■ B1D8CF

■ CDF5EB

■ E9FFFF

■ 1B3E37

■ 1B3E37

■ 153E36

■ 213E38

■ 0F3E35

■ 273E39

■ 083E33

■ 2E3E3B

■ 023E32

■ 343E3C

■ 003E32

■ 3A3E3D

■ 403E3E

■ 463E40

■ 4D3E41

■ 533E42

# Harmonies

## Analogous

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



283D2C



1B3E37



133E42

# Triad

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



1B3E37



39354B



493326

# Complementary

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



1B3E37



3E1B22

# 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.



4E302E



1B3E37



453244

# Square

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



1B3E37



28394E



4D3039



403722

# Rectangle

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



1B3E37



153D48



4D3039



4B3228



# Sweetspot

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



1B3E37



44524F



223E1B



212927



A8A8A8



292929



# Same Dimension

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



1B3E37



1A5247



1B333E



1C1F1E



005E4B



00DEB1



# Inverse Universe

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



3E1B22



521A25



3E251B



1F1C1C



5E0013



DE002C



# Previews

## White Background



This preview shows how the Hex color 1B3E37 looks on a white background.

## Color Contrast Check

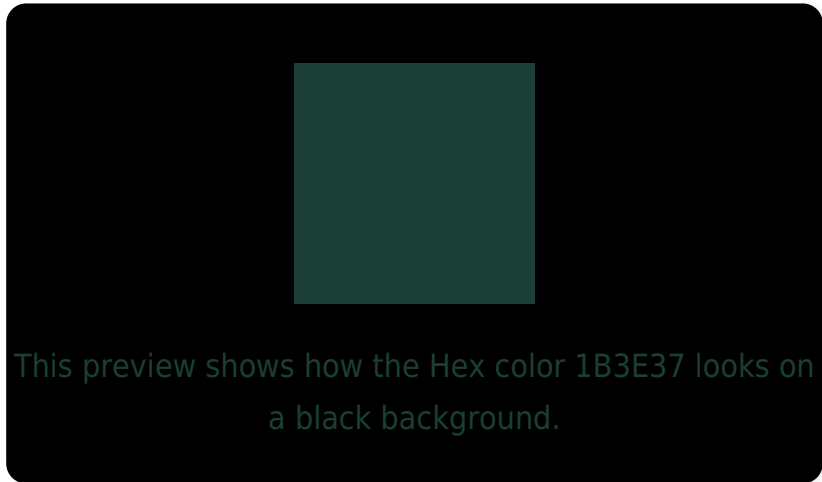
Large Text (above 18pt) WCAG AA ✓ Pass

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

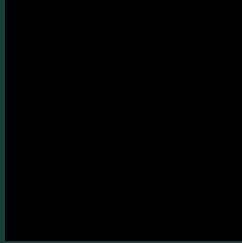
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1B3E37 Background



This preview shows how black text looks on a background with the Hex color 1B3E37.



This preview shows how white text looks on a background with the Hex color 1B3E37.

# 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**  
1B3E37

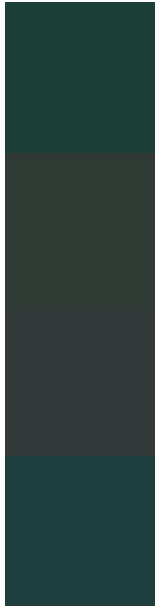
**Protanopia**  
3A3834

**Deuteranopia**  
3D3639



**Tritanopia**  
1F3D41

# Trichromacy



**Original Color**  
1B3E37

**Protanomaly**  
2F3A35

**Deuteranomaly**  
313938

**Tritanomaly**  
1E3D3D

# Monochromacy



**Original Color**  
1B3E37

**Achromatopsia**  
333333

**Achromatomaly**  
2A3734

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1B3E37 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 #1B3E37 looks like.

```
.text, #text, p{  
    color:#1B3E37  
}
```

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 #1B3E37 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B3E37
}
```

## Border

The CSS property to change the border of an element to Hex 1B3E37 is called "border". The border property can be set on classes, ids or directly on the HTML element.

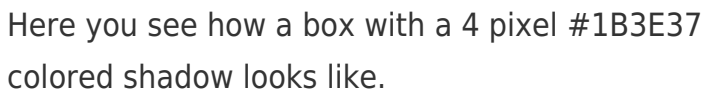
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#1B3E37 }
```

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

```
.border{ border-color:#1B3E37 }
```

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



Here you see how a box with a 4 pixel #1B3E37 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B3E37; -webkit-box-shadow:4px 4px  
4px 4px #1B3E37; box-shadow:4px 4px 4px  
4px #1B3E37 }
```

# Background

The CSS property to change the background color of an element to Hex 1B3E37 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B3E37 }
```

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

```
.background{ background-color:#1B3E37 }
```

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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