

# Converting Colors

Hex(1B4A46)

Have a look what the booklet for  
Hex(1B4A46) contains.

<b>Hex(1B4A46)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(1B4A46)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1B4A46
RGB	27, 74, 70
RGB Percent	11%, 29%, 27%
CMY	0.8941, 0.7098, 0.7255
CMYK	0.64, 0.00, 0.05, 0.71
HSL	175°, 47%, 20%
HSV	175°, 64%, 29%
XYZ	4.0063, 5.5728, 6.6589
YIQ	59.4910, -26.7280, -11.2080

# Conversions

## Conversions Part 2

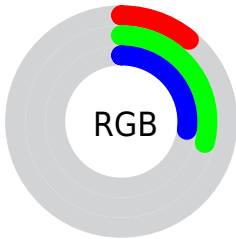
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	27, 52, 74
Decimal	1788486
CIE Lab	28.31, -16.97, -2.40
CIE LCh	28, 17.143, 188.061
Yxy	5.5728, 0.2467, 0.3432
Android (android.graphics.Color)	4279978566 (0xFF1B4A46)
YUV	59.4910, 5.1809, -28.4946
Hunter-Lab	23.6067, -11.0187, -0.1995




# Details

The Hex color **1B4A46** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **4A1B1F**, and the grayscale version is **3B3B3B**.




A 20% lighter version of the original color is **4D7B76**, and **001E1B** is the 20% darker color. If you saturate the color by 10%, you get **144A45**, and if you desaturate by 10%, it is **224A47**.

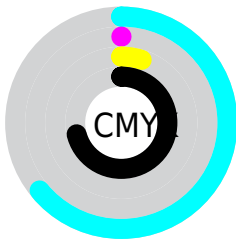
# Distribution







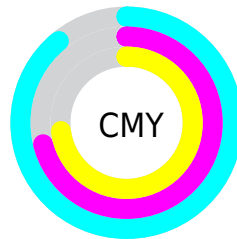
-  Red (11%)
-  Green (29%)
-  Blue (27%)






-  Red (11%)
-  Yellow (20%)
-  Blue (29%)



-  Cyan (64%)
-  Magenta (0%)
-  Yellow (5%)
-  Black (71%)



-  Cyan (89%)
-  Magenta (71%)
-  Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1B4A46 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 1B4A46 by changing the saturation by 10% instead.





1B4A46



1B4A46

FFFFFF



003330



4D7B76



001E1B



669590



000000



80B0AA



9ACBC6



B6E7E2



D2FFFE



EEFFFF



1B4A46



1B4A46

■ 144A45

■ 224A47

■ 0C4A45

■ 2A4A47

■ 054A44

■ 314A48

■ 004A44

■ 394A49

■ 404A49

■ 474A4A

■ 4F4A4A

■ 564A4B

■ 5E4A4C

# Harmonies

## Analogous

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



2A4938



1B4A46



154953

# Triad

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



1B4A46



493E58



543F2B

# Complementary

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



1B4A46



4A1B1F

# 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.



5B3B33



1B4A46



563A4D

# Square

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



1B4A46



36435D



5D3940



484328

# Rectangle

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



1B4A46



1C4859



5D3940



573D2D



# Sweetspot

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



1B4A46



4E615F



204A1B



253030



B0B0B0



303030



# Same Dimension

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



1B4A46



17615B



1B374A



222626



00665D



00E6D2



# Inverse Universe

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



4A1B1F



61171E



4A2E1B



262223



660009

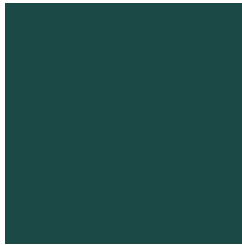


E60014



# Previews

## White Background



This preview shows how the Hex color 1B4A46 looks on a white background.

## Color Contrast Check

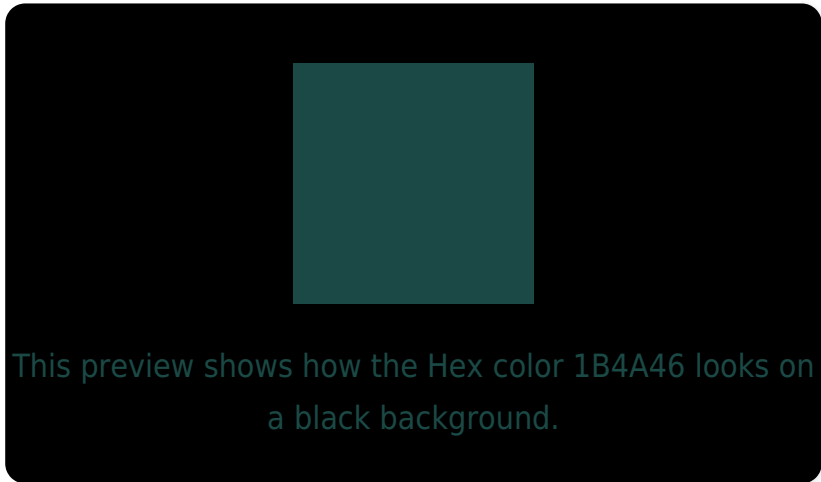
Large Text (above 18pt) WCAG AA ✓ Pass

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 1B4A46 Background



This preview shows how black text looks on a background with the Hex color 1B4A46.



This preview shows how white text looks on a background with the Hex color 1B4A46.

# 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**  
1B4A46

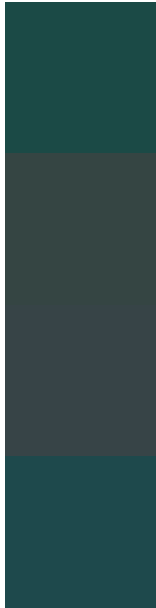
**Protanopia**  
444242

**Deuteranopia**  
474148



**Tritanopia**  
1F494F

# Trichromacy



**Original Color**  
1B4A46

**Protanomaly**  
354543

**Deuteranomaly**  
374447

**Tritanomaly**  
1E494C

# Monochromacy



**Original Color**  
1B4A46

**Achromatopsia**  
3B3B3B

**Achromatomaly**  
2F403F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1B4A46 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 #1B4A46 looks like.

```
.text, #text, p{  
    color:#1B4A46  
}
```

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 #1B4A46 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B4A46
}
```

## Border

The CSS property to change the border of an element to Hex 1B4A46 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
#1B4A46 }
```

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

```
.border{ border-color:#1B4A46 }
```

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

Here you see how a box with a 4 pixel #1B4A46 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B4A46; -webkit-box-shadow:4px 4px  
4px 4px #1B4A46; box-shadow:4px 4px 4px  
4px #1B4A46 }
```

# Background

The CSS property to change the background color of an element to Hex 1B4A46 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B4A46 }
```

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

```
.background{ background-color:#1B4A46 }
```

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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