

# Converting Colors

Hex(1B4631)

Have a look what the booklet for  
Hex(1B4631) contains.

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# Color

**Hex(1B4631)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1B4631
RGB	27, 70, 49
RGB Percent	11%, 27%, 19%
CMY	0.8941, 0.7255, 0.8078
CMYK	0.61, 0.00, 0.30, 0.73
HSL	151°, 44%, 19%
HSV	151°, 61%, 27%
XYZ	3.1965, 4.8351, 3.6705
YIQ	54.7490, -18.8870, -15.6470

# Conversions

## Conversions Part 2

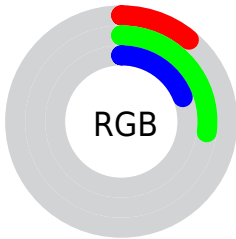
<b>Format</b>	<b>Color</b>
<b>RYB</b>	27, 55, 70
Decimal	1787441
CIELab	26.26, -20.76, 8.25
CIElCh	26, 22.342, 158.320
Yxy	4.8351, 0.2732, 0.4132
Android (android.graphics.Color)	4279977521 (0xFF1B4631)
YUV	54.7490, -2.8343, -24.3359
Hunter-Lab	21.9888, -12.5317, 5.4951

# Details

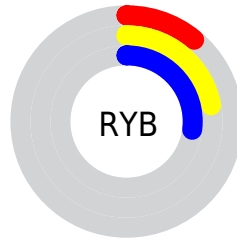
The Hex color **1B4631** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **461B30**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **4B775F**, and **001C02** is the 20% darker color. If you saturate the color by 10%, you get **14462E**, and if you desaturate by 10%, it is **224634**.

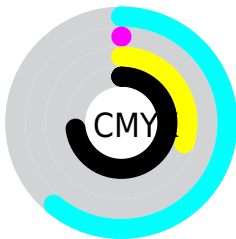
# Distribution



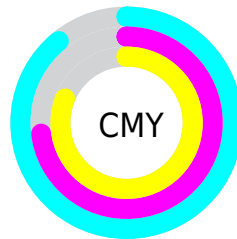
- Red (11%)
- Green (27%)
- Blue (19%)



- Red (11%)
- Yellow (22%)
- Blue (27%)



- Cyan (61%)
- Magenta (0%)
- Yellow (30%)
- Black (73%)



- Cyan (89%)
- Magenta (73%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1B4631 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 1B4631 by changing the saturation by 10% instead.



 1B4631

 1B4631

FFFFFF

 022F1C

 4B775F

 001C02

 649178

 000000

 7DAB92

 98C7AC

 B3E3C8

 CFFFE4

 EBFFFF

 1B4631

 1B4631

■ 14462E

■ 224634

■ 0D462A

■ 294638

■ 064627

■ 30463B

■ 004624

■ 37463F

■ 3E4642

■ 454646

■ 4C4649

■ 53464C

■ 5A4650

# Harmonies

## Analogous

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



324323



1B4631



004742

# Triad

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



1B4631



2B3E60



5C332A

# Complementary

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



1B4631



461B30

# 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.



5E303A



1B4631



463859

# Square

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



1B4631



00435D



57324B



53391F

# Rectangle

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



1B4631



00474E



57324B



5E322F



# Sweetspot

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



1B4631



4B5C54



31461B



242E29



ADADAD



2E2E2E



# Same Dimension

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



1B4631



185C3B



1B4646



202422



006333



00E374



# Inverse Universe

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



461B30



5C1839



461B1B



242022



630031

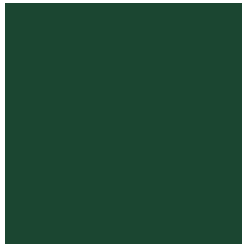


E3006F



# Previews

## White Background



This preview shows how the Hex color 1B4631 looks on a white background.

## Color Contrast Check

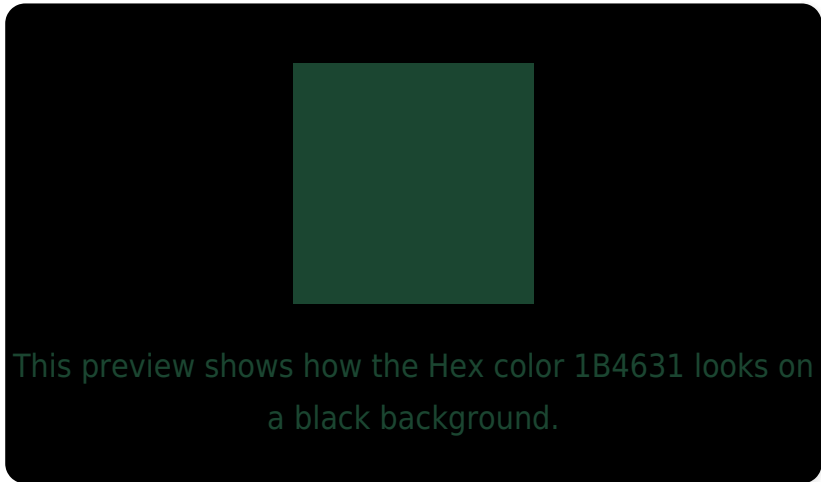
Large Text (above 18pt) WCAG AA ✓ Pass

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

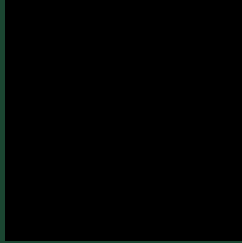
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1B4631 Background



This preview shows how black text looks on a background with the Hex color 1B4631.



This preview shows how white text looks on a background with the Hex color 1B4631.

# 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](#).

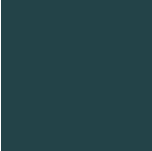
## Dichromacy



**Original Color**  
1B4631

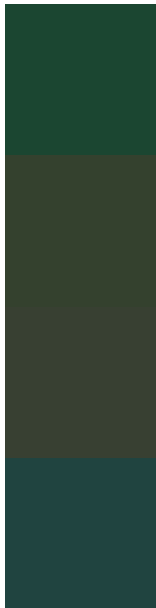
**Protanopia**  
433E2D

**Deuteranopia**  
483C33



**Tritanopia**  
234348

# Trichromacy



**Original Color**  
1B4631

**Protanomaly**  
34412E

**Deuteranomaly**  
384032

**Tritanomaly**  
204440

# Monochromacy



**Original Color**  
1B4631

**Achromatopsia**  
373737

**Achromatomaly**  
2D3C35

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1B4631 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 #1B4631 looks like.

```
.text, #text, p{  
    color:#1B4631  
}
```

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 #1B4631 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B4631
}
```

## Border

The CSS property to change the border of an element to Hex 1B4631 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".

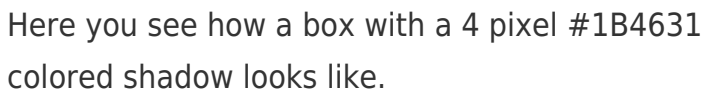
```
.border, #border, table{ border:4px solid
#1B4631 }
```

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

```
.border{ border-color:#1B4631 }
```

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

Here you see how a box with a 4 pixel #1B4631 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B4631; -webkit-box-shadow:4px 4px  
4px 4px #1B4631; box-shadow:4px 4px 4px  
4px #1B4631 }
```

# Background

The CSS property to change the background color of an element to Hex 1B4631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B4631 }
```

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

```
.background{ background-color:#1B4631 }
```

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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