

# Converting Colors

Hex(B19D31)

Have a look what the booklet for  
Hex(B19D31) contains.

<b>Hex(B19D31)</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(B19D31)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B19D31
RGB	177, 157, 49
RGB Percent	69%, 62%, 19%
CMY	0.3059, 0.3843, 0.8078
CMYK	0.00, 0.11, 0.72, 0.31
HSL	51°, 57%, 44%
HSV	51°, 72%, 69%
XYZ	30.7428, 33.6828, 7.7868
YIQ	150.6680, 46.5880, -29.3480

# Conversions

## Conversions Part 2

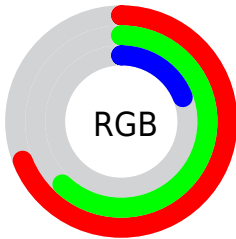
Format	Color
<a href="#">RYB</a>	<a href="#">73, 177, 49</a>
Decimal	<a href="#">11640113</a>
CIELab	<a href="#">64.71, -4.67, 56.14</a>
CIELCh	<a href="#">65, 56.333, 94.754</a>
Yxy	<a href="#">33.6828, 0.4257, 0.4664</a>
Android (android.graphics.Color)	<a href="#">4289830193 (0xFFB19D31)</a>
YUV	<a href="#">150.6680, -50.1223, 23.0932</a>
Hunter-Lab	<a href="#">58.0369, -7.0110, 32.6708</a>

# Details

The Hex color **B19D31** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **3145B1**, and the grayscale version is **979797**.

A 20% lighter version of the original color is **ECD366**, and **796A00** is the 20% darker color. If you saturate the color by 10%, you get **B19A1F**, and if you desaturate by 10%, it is **B1A043**.

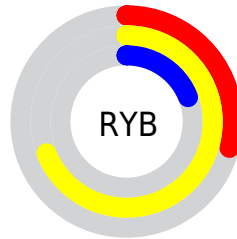
# Distribution



Red (69%)

Green (62%)

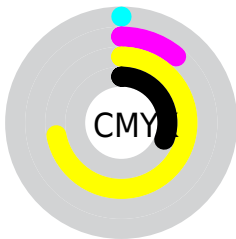
Blue (19%)



Red (29%)

Yellow (69%)

Blue (19%)

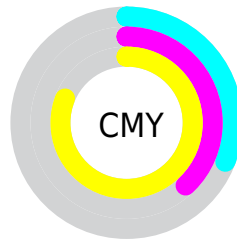


Cyan (0%)

Magenta (11%)

Yellow (72%)

Black (31%)



Cyan (31%)

Magenta (38%)

Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B19D31 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 B19D31 by changing the saturation by 10% instead.



 B19D31

 B19D31

FFFFFF

 958312

 ECD366

 796A00

 FFEF81

 5E5200

 FFFF9C

 433B00

 FFFFB8

 2A2600

 FFFFD4

 0E1200

 FFFFF1

 000000

 B19D31

 B19D31

 B19A1F

 B1A043

 B1970E

 B1A354

 B19500

 B1A566

 B1A878

 B1AB8A

 B1AE9B

 B1B0AD

 B1B3BF

 B1B6D0

# Harmonies

## Analogous

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



DA8B40



B19D31



7DAA45

# Triad

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



B19D31



00B4D5



E178C9

# Complementary

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



B19D31



3145B1

# 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.



AA8CF0



B19D31



00ADF7

# Square

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



B19D31



00B6A4



43A0FF



F86F97

# Rectangle

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



B19D31



4FB060



43A0FF



D27ED8



# Sweetspot

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



B19D31



E6DEB3



B13146



736E55



F2F2F2



737373



# Same Dimension

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



B19D31



E6C61E



86B131



595850



998100



1A1600



# Inverse Universe

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



3145B1



1E3DE6



5C31B1



505259



001899



00041A



# Previews

## White Background



This preview shows how the Hex color B19D31 looks on a white background.

## Color Contrast Check

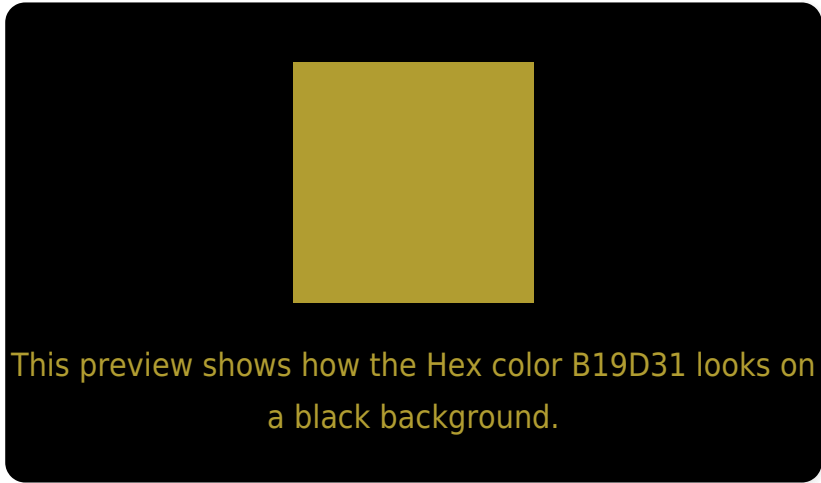
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



## Hex B19D31 Background



This preview shows how black text looks on a background with the Hex color B19D31.



This preview shows how white text looks on a background with the Hex color B19D31.

# 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**  
B19D31

**Protanopia**  
B09D31

**Deuteranopia**  
C49534

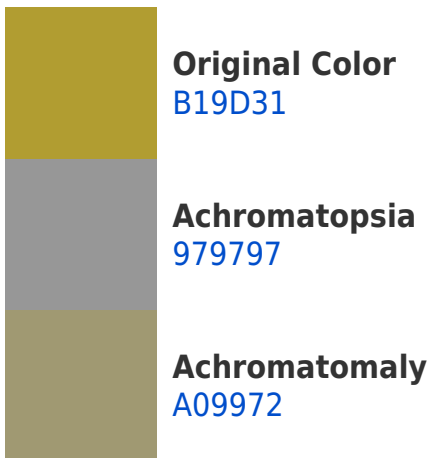


**Tritanopia**  
B9939E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B19D31 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 #B19D31 looks like.

```
.text, #text, p{  
    color:#B19D31  
}
```

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 #B19D31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B19D31
}
```

## Border

The CSS property to change the border of an element to Hex B19D31 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
#B19D31 }
```

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

```
.border{ border-color:#B19D31 }
```

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

Here you see how a box with a 4 pixel #B19D31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B19D31; -webkit-box-shadow:4px 4px  
4px 4px #B19D31; box-shadow:4px 4px 4px  
4px #B19D31 }
```

# Background

The CSS property to change the background color of an element to Hex B19D31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B19D31 }
```

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

```
.background{ background-color:#B19D31 }
```

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