

# Converting Colors

Hex(1B3030)

Have a look what the booklet for  
Hex(1B3030) contains.

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# Color

**Hex(1B3030)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1B3030
RGB	27, 48, 48
RGB Percent	11%, 19%, 19%
CMY	0.8941, 0.8118, 0.8118
CMYK	0.44, 0.00, 0.00, 0.81
HSL	180°, 28%, 15%
HSV	180°, 44%, 19%
XYZ	2.0424, 2.5603, 3.1828
YIQ	41.7210, -12.5160, -4.4520

# Conversions

## Conversions Part 2

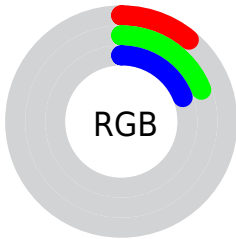
Format	Color
<b>R<sub>YB</sub></b>	27, 38, 48
Decimal	1781808
CIE Lab	18.19, -8.36, -2.66
CIE LCh	18, 8.773, 197.669
Yxy	2.5603, 0.2623, 0.3289
Android (android.graphics.Color)	4279971888 (0xFF1B3030)
YUV	41.7210, 3.0955, -12.9103
Hunter-Lab	16.0010, -5.2171, -0.5930

# Details

The Hex color **1B3030** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **301B1B**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **485E5E**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **163030**, and if you desaturate by 10%, it is **203030**.

# Distribution



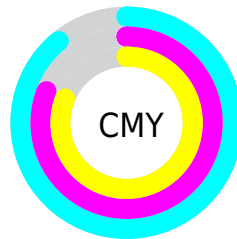
- Red (11%)
- Green (19%)
- Blue (19%)



- Red (11%)
- Yellow (15%)
- Blue (19%)



- Cyan (44%)
- Magenta (0%)
- Yellow (0%)
- Black (81%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 1B3030 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 1B3030 by changing the saturation by 10% instead.



■ 1B3030

■ 1B3030

FFFFFF

■ 051B1B

■ 485E5E

■ 000000

■ 607777

■ 799090

■ 93ABAB

■ AEC6C6

■ C9E2E2

■ E5FFFF

■ 1B3030

■ 1B3030

■ 163030

■ 203030

■ 113030

■ 253030

■ 0D3030

■ 293030

■ 083030

■ 2E3030

■ 033030

■ 333030

■ 003030

■ 383030

■ 3D3030

■ 413030

■ 463030

# Harmonies

## Analogous

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



1F3029



1B3030



1C2F36

# Triad

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



1B3030



322A35



342B20

# Complementary

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



1B3030



301B1B

# 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.



382923



1B3030



37282F

# Square

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



1B3030



2A2C38



392829



2D2D20

# Rectangle

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



1B3030



1F2E38



392829



352A21



# Sweetspot

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



1B3030



353D3D



1B301B



1A1F1F



9E9E9E



1F1F1F



# Same Dimension

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



1B3030



1D3D3D



1B2630



151717



005757



00D6D6



# Inverse Universe

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



301B30



3D1D3D



30261B



171517



570057

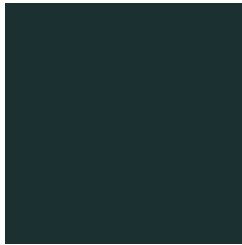


D600D6



# Previews

## White Background



This preview shows how the Hex color 1B3030 looks on a white background.

## Color Contrast Check

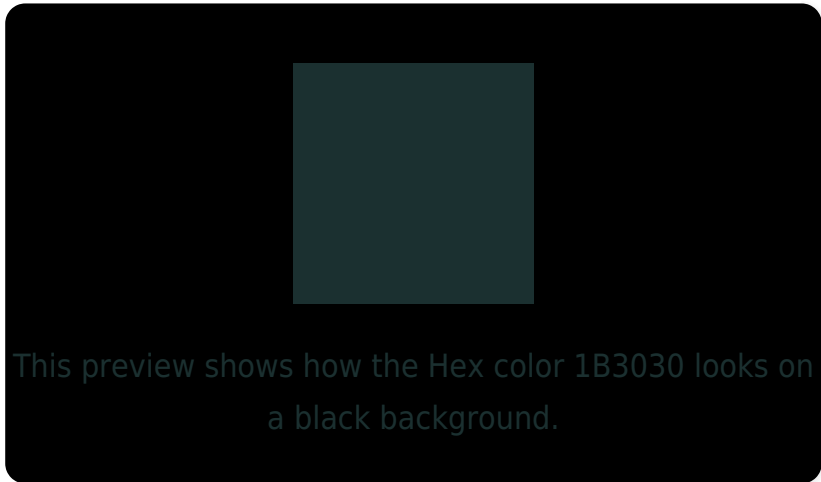
Large Text (above 18pt) WCAG AA ✓ Pass

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

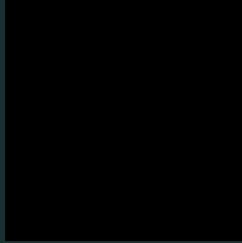
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

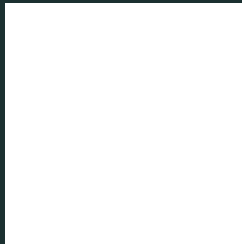
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 1B3030 Background



This preview shows how black text looks on a background with the Hex color 1B3030.

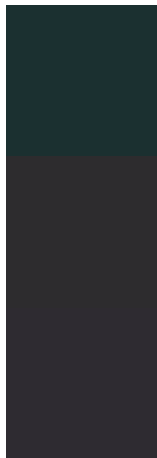


This preview shows how white text looks on a background with the Hex color 1B3030.

# 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**  
1B3030

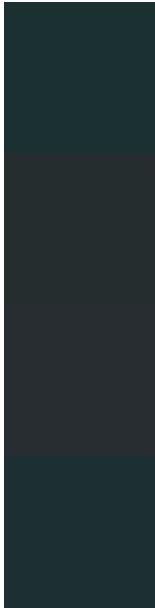
**Protanopia**  
2D2C2E

**Deuteranopia**  
2E2B31



**Tritanopia**  
1C2F33

# Trichromacy



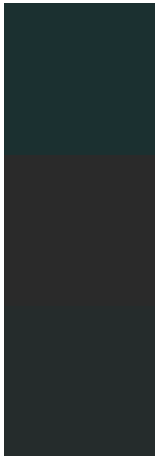
**Original Color**  
1B3030

**Protanomaly**  
262D2F

**Deuteranomaly**  
272D31

**Tritanomaly**  
1C2F32

# Monochromacy



**Original Color**  
1B3030

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
252C2C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1B3030 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 #1B3030 looks like.

```
.text, #text, p{  
    color:#1B3030  
}
```

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 #1B3030 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B3030
}
```

## Border

The CSS property to change the border of an element to Hex 1B3030 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
#1B3030 }
```

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

```
.border{ border-color:#1B3030 }
```

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

Here you see how a box with a 4 pixel #1B3030 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B3030; -webkit-box-shadow:4px 4px  
4px 4px #1B3030; box-shadow:4px 4px 4px  
4px #1B3030 }
```

# Background

The CSS property to change the background color of an element to Hex 1B3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B3030 }
```

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

```
.background{ background-color:#1B3030 }
```

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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