

# Converting Colors

Hex(1B4235)

Have a look what the booklet for  
Hex(1B4235) contains.

<b>Hex(1B4235)</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(1B4235)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1B4235
RGB	27, 66, 53
RGB Percent	11%, 26%, 21%
CMY	0.8941, 0.7412, 0.7922
CMYK	0.59, 0.00, 0.20, 0.74
HSL	160°, 42%, 18%
HSV	160°, 59%, 26%
XYZ	3.0428, 4.3865, 4.0545
YIQ	52.8570, -19.0710, -12.3110

# Conversions

## Conversions Part 2

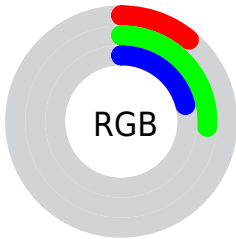
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	27, 50, 66
Decimal	1786421
CIE <sub>Lab</sub>	24.91, -17.57, 3.75
CIE <sub>LCh</sub>	25, 17.969, 167.960
Yxy	4.3865, 0.2650, 0.3820
Android (android.graphics.Color)	4279976501 (0xFF1B4235)
YUV	52.8570, 0.0705, -22.6766
Hunter-Lab	20.9439, -10.7187, 3.1830




# Details

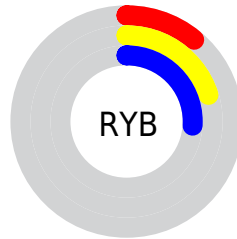
The Hex color **1B4235** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **421B28**, and the grayscale version is **353535**.




A 20% lighter version of the original color is **4A7264**, and **001908** is the 20% darker color. If you saturate the color by 10%, you get **144233**, and if you desaturate by 10%, it is **224237**.

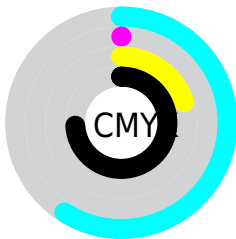
# Distribution







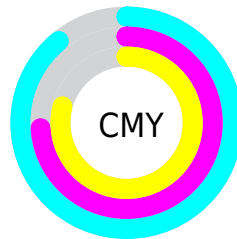
-  Red (11%)
-  Green (26%)
-  Blue (21%)






-  Red (11%)
-  Yellow (20%)
-  Blue (26%)



-  Cyan (59%)
-  Magenta (0%)
-  Yellow (20%)
-  Black (74%)



-  Cyan (89%)
-  Magenta (74%)
-  Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1B4235 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 1B4235 by changing the saturation by 10% instead.



 1B4235

 1B4235

FFFFFF

 032C20

 4A7264

 001908

 638C7C

 000000

 7DA696

 97C2B1

 B2DECC

 CEFAE9

 EAFFFF

 1B4235

 1B4235

■ 144233

■ 224237

■ 0E4231

■ 284239

■ 07422E

■ 2F423C

■ 01422C

■ 35423E

■ 00422C

■ 3C4240

■ 434242

■ 494244

■ 504247

■ 564249

# Harmonies

## Analogous

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



2C4028



1B4235



074243

# Triad

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



1B4235



353A55



523428

# Complementary

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



1B4235



421B28

# 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.



563133



1B4235



47354D

# Square

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



1B4235



1E3E55



523141



493821

# Rectangle

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



1B4235



03424B



523141



54332B



# Sweetspot

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



1B4235



475751



28421B



222B28



ABABAB



2B2B2B



# Same Dimension

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



1B4235



195742



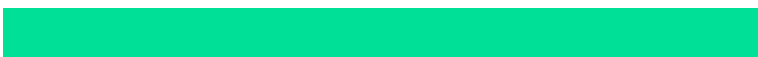
1B3B42



1E2120



006141



00E096



# Inverse Universe

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



421B28



57192E



42221B



211E1F



610020

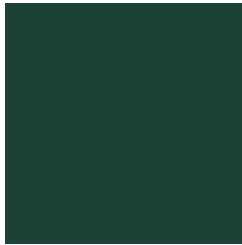


E0004B



# Previews

## White Background



This preview shows how the Hex color 1B4235 looks on a white background.

## Color Contrast Check

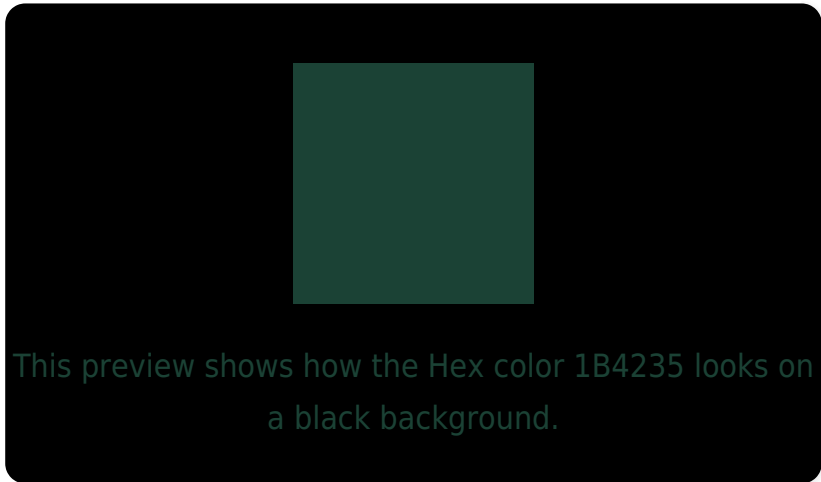
Large Text (above 18pt) WCAG AA ✓ Pass

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

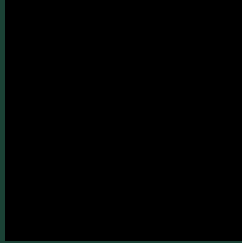
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1B4235 Background



This preview shows how black text looks on a background with the Hex color 1B4235.



This preview shows how white text looks on a background with the Hex color 1B4235.

# 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



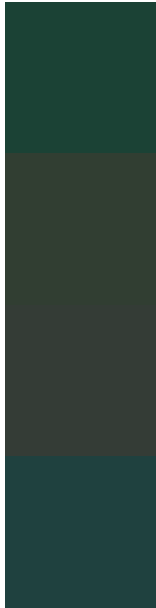
**Original Color**  
1B4235

**Protanopia**  
3E3B31

**Deuteranopia**  
423937



# Trichromacy



**Original Color**  
1B4235

**Protanomaly**  
313E32

**Deuteranomaly**  
343C36

**Tritanomaly**  
1F413F

# Monochromacy



**Original Color**  
1B4235

**Achromatopsia**  
353535

**Achromatomaly**  
2C3A35

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1B4235 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 #1B4235 looks like.

```
.text, #text, p{  
    color:#1B4235  
}
```

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 #1B4235 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B4235
}
```

## Border

The CSS property to change the border of an element to Hex 1B4235 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
#1B4235 }
```

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

```
.border{ border-color:#1B4235 }
```

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

Here you see how a box with a 4 pixel #1B4235 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B4235; -webkit-box-shadow:4px 4px  
4px 4px #1B4235; box-shadow:4px 4px 4px  
4px #1B4235 }
```

# Background

The CSS property to change the background color of an element to Hex 1B4235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B4235 }
```

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

```
.background{ background-color:#1B4235 }
```

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