

# Converting Colors

Hex(1E8237)

Have a look what the booklet for  
Hex(1E8237) contains.

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# Color

Hex(1E8237)

# Conversions

## Conversions Part 1

Format	Color
Hex	1E8237
RGB	30, 130, 55
RGB Percent	12%, 51%, 22%
CMY	0.8824, 0.4902, 0.7843
CMYK	0.77, 0.00, 0.58, 0.49
HSL	135°, 62%, 31%
HSV	135°, 77%, 51%
XYZ	9.2076, 16.5171, 6.3173
YIQ	91.5500, -35.5250, -44.5250

# Conversions

## Conversions Part 2

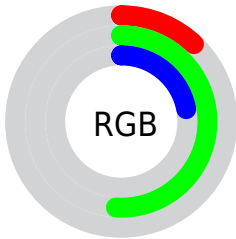
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	30, 110, 130
Decimal	1999415
CIE <sub>Lab</sub>	47.65, -44.70, 32.31
CIE <sub>LCh</sub>	48, 55.153, 144.141
Yxy	16.5171, 0.2874, 0.5155
Android (android.graphics.Color)	4280189495 (0xFF1E8237)
YUV	91.5500, -18.0191, -53.9793
Hunter-Lab	40.6413, -30.6814, 19.2329

# Details

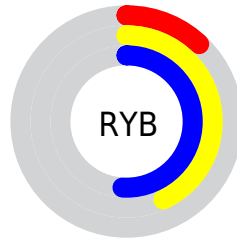
The Hex color **1E8237** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **821E69**, and the grayscale version is **5C5C5C**.

A 20% lighter version of the original color is **5BB868**, and **004F06** is the 20% darker color. If you saturate the color by 10%, you get **11822D**, and if you desaturate by 10%, it is **2B8241**.

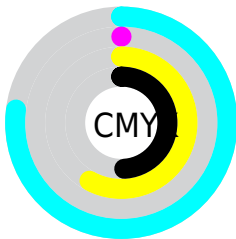
# Distribution



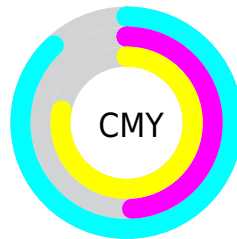
- Red (12%)
- Green (51%)
- Blue (22%)



- Red (12%)
- Yellow (43%)
- Blue (51%)



- Cyan (77%)
- Magenta (0%)
- Yellow (58%)
- Black (49%)



- Cyan (88%)
- Magenta (49%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1E8237 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 1E8237 by changing the saturation by 10% instead.



 1E8237

 1E8237


FFFFFF

 00681F


 5BB868

 004F06

 77D482

 003700

 93F19C

 002200

 AFFFB7


 000000

 CCFFD3

 E9FFF0

 1E8237

 1E8237

 11822D

 2B8241

■ 048224

■ 38824A

■ 008221

■ 458254

■ 52825E

■ 5F8268

■ 6C8272

■ 79827B

■ 868285

■ 93828F

# Harmonies

## Analogous

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



637A0B



1E8237



008666

# Triad

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



1E8237



0079CE



C3464E

# Complementary

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



1E8237



821E69

# 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.



BF437C



1E8237



5E69C6

# Square

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



1E8237



0083BC



A053A8



B15925

# Rectangle

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



1E8237



008786



A053A8



C4435D



# Sweetspot

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



1E8237



82A88B



69821E



3D5442



D4D4D4



545454



# Same Dimension

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



1E8237



0DA834



1E8269



39403B



008020



000000



# Inverse Universe

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



821E69



A80D82



821E37



40393E



800060



000000



# Previews

## White Background



This preview shows how the Hex color 1E8237 looks on a white background.

## Color Contrast Check

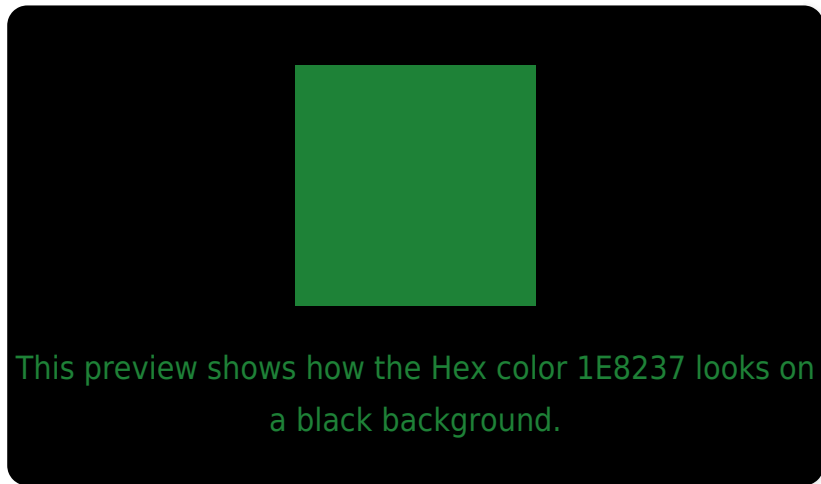
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 1E8237 Background



This preview shows how black text looks on a background with the Hex color 1E8237.



This preview shows how white text looks on a background with the Hex color 1E8237.

# 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**  
1E8237

**Protanopia**  
7D7132

**Deuteranopia**  
896B3D



**Tritanopia**  
3A7A84

# Trichromacy



**Original Color**  
1E8237



**Protanomaly**  
5A7734



**Deuteranomaly**  
62733B



**Tritanomaly**  
307D68

# Monochromacy



**Original Color**  
1E8237



**Achromatopsia**  
5C5C5C



**Achromatomaly**  
456A4F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1E8237 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 #1E8237 looks like.

```
.text, #text, p{  
    color:#1E8237  
}
```

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 #1E8237 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1E8237
}
```

## Border

The CSS property to change the border of an element to Hex 1E8237 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
#1E8237 }
```

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

```
.border{ border-color:#1E8237 }
```

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

Here you see how a box with a 4 pixel #1E8237 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1E8237; -webkit-box-shadow:4px 4px  
4px 4px #1E8237; box-shadow:4px 4px 4px  
4px #1E8237 }
```

# Background

The CSS property to change the background color of an element to Hex 1E8237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1E8237 }
```

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

```
.background{ background-color:#1E8237 }
```

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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