

# Converting Colors

Hex(1E641E)

Have a look what the booklet for  
Hex(1E641E) contains.

<b>Hex(1E641E)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(1E641E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1E641E
RGB	30, 100, 30
RGB Percent	12%, 39%, 12%
CMY	0.8824, 0.6078, 0.8824
CMYK	0.70, 0.00, 0.70, 0.61
HSL	120°, 54%, 25%
HSV	120°, 70%, 39%
XYZ	5.3269, 9.4841, 2.7782
YIQ	71.0900, -19.2500, -36.6100

# Conversions

## Conversions Part 2

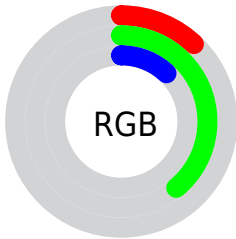
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	30, 100, 100
Decimal	1991710
CIE <sub>Lab</sub>	36.90, -36.67, 32.33
CIE <sub>LCh</sub>	37, 48.888, 138.603
Yxy	9.4841, 0.3029, 0.5392
Android (android.graphics.Color)	4280181790 (0xFF1E641E)
YUV	71.0900, -20.2574, -36.0359
Hunter-Lab	30.7963, -23.0177, 16.2088

# Details

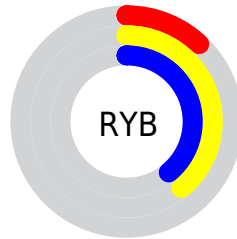
The Hex color **1E641E** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **641E64**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **55984E**, and **003400** is the 20% darker color. If you saturate the color by 10%, you get **146414**, and if you desaturate by 10%, it is **286428**.

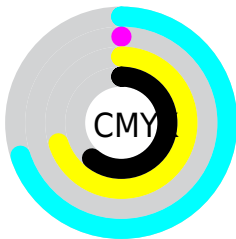
# Distribution



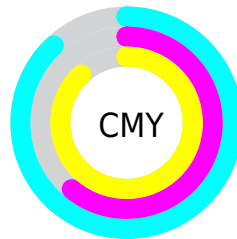
- Red (12%)
- Green (39%)
- Blue (12%)



- Red (12%)
- Yellow (39%)
- Blue (39%)



- Cyan (70%)
- Magenta (0%)
- Yellow (70%)
- Black (61%)



- Cyan (88%)
- Magenta (61%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1E641E 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 1E641E by changing the saturation by 10% instead.





1E641E



1E641E

FFFFFF



004B05



55984E



003400



6FB366



002000



8ACF80



000000



A6EB9B



C2FFB6



DEFFD2



FCFFEE



1E641E



1E641E

■ 146414

■ 286428

■ 0A640A

■ 326432

■ 006400

■ 3C643C

■ 466446

■ 506450

■ 5A645A

■ 646464

■ 6E646E

■ 786478

# Harmonies

## Analogous

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



525C00



1E641E



006846

# Triad

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



1E641E



0060A4



9C2F40

# Complementary

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



1E641E



641E64

# 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.



952F68



1E641E



3453A2

# Square

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



1E641E



006791



77408B



903E1C

# Rectangle

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



1E641E



006961



77408B



9C2D4D



# Sweetspot

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



1E641E



678267



64641E



324232



C2C2C2



424242



# Same Dimension

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



1E641E



158215



1E6441



2E332E



007300



00F200



# Inverse Universe

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



641E64



821582



641E41



332E33



730073



F200F2



# Previews

## White Background



This preview shows how the Hex color 1E641E looks on a white background.

## Color Contrast Check

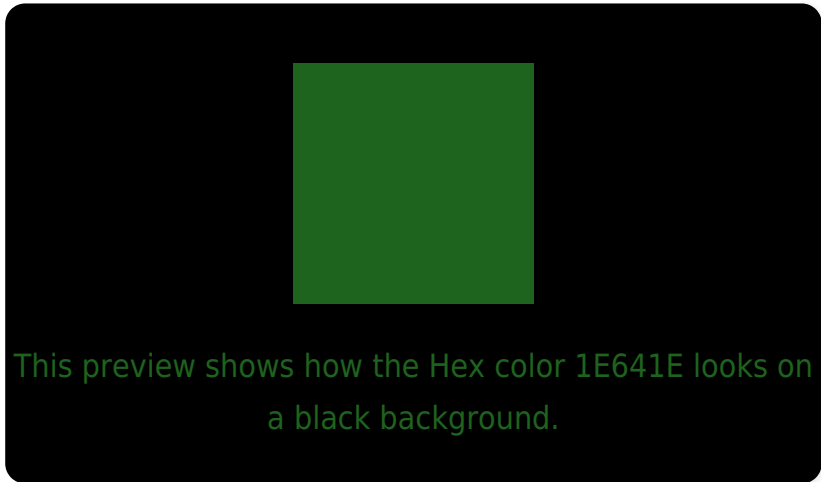
Large Text (above 18pt) WCAG AA ✓ Pass

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

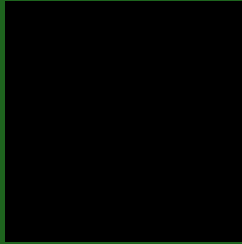
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1E641E Background



This preview shows how black text looks on a background with the Hex color 1E641E.



This preview shows how white text looks on a background with the Hex color 1E641E.

# 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**  
1E641E

**Protanopia**  
61571A

**Deuteranopia**  
6B5224



**Tritanopia**  
315D65

# Trichromacy



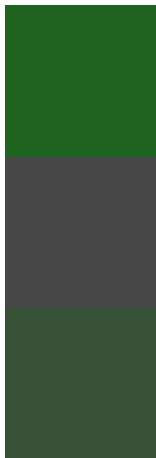
**Original Color**  
1E641E

**Protanomaly**  
495C1B

**Deuteranomaly**  
4F5922

**Tritanomaly**  
2A604B

# Monochromacy



**Original Color**  
1E641E

**Achromatopsia**  
474747

**Achromatomaly**  
385238

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1E641E 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 #1E641E looks like.

```
.text, #text, p{  
    color:#1E641E  
}
```

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 #1E641E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1E641E
}
```

## Border

The CSS property to change the border of an element to Hex 1E641E 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
#1E641E }
```

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

```
.border{ border-color:#1E641E }
```

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

Here you see how a box with a 4 pixel #1E641E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1E641E; -webkit-box-shadow:4px 4px  
4px 4px #1E641E; box-shadow:4px 4px 4px  
4px #1E641E }
```

# Background

The CSS property to change the background color of an element to Hex 1E641E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1E641E }
```

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

```
.background{ background-color:#1E641E }
```

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