

# Converting Colors

Hex(23711C)

Have a look what the booklet for  
Hex(23711C) contains.

<b>Hex(23711C)</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(23711C)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	23711C
RGB	35, 113, 28
RGB Percent	14%, 44%, 11%
CMY	0.8627, 0.5569, 0.8902
CMYK	0.69, 0.00, 0.75, 0.56
HSL	115°, 60%, 28%
HSV	115°, 75%, 44%
XYZ	6.8079, 12.2514, 3.1046
YIQ	79.9880, -19.2030, -42.9710

# Conversions

## Conversions Part 2

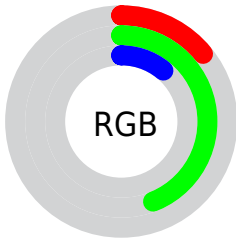
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	28, 113, 106
Decimal	2322716
CIE Lab	41.61, -40.68, 38.23
CIE LCh	42, 55.829, 136.779
Yxy	12.2514, 0.3072, 0.5528
Android (android.graphics.Color)	4280512796 (0xFF23711C)
YUV	79.9880, -25.6301, -39.4545
Hunter-Lab	35.0020, -26.5355, 19.2426

# Details

The Hex color **23711C** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6A1C71**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **5BA64E**, and **004000** is the 20% darker color. If you saturate the color by 10%, you get **197111**, and if you desaturate by 10%, it is **2D7127**.

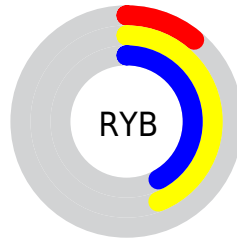
# Distribution



Red (14%)

Green (44%)

Blue (11%)



Red (11%)

Yellow (44%)

Blue (42%)

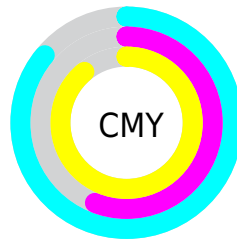


Cyan (69%)

Magenta (0%)

Yellow (75%)

Black (56%)



Cyan (86%)

Magenta (56%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 23711C 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 23711C by changing the saturation by 10% instead.



 23711C

 23711C

FFFFFF

 005800

 5BA64E

 004000

 77C167

 002A00

 92DD81

 000B00

 AEFA9B

 000000

 CAFFB7

 E7FFD3

 FFFFEF

 23711C

 23711C

■ 197111

■ 2D7127

■ 0E7105

■ 387133

■ 097100

■ 42713E

■ 4C7149

■ 577155

■ 617160

■ 6C716B

■ 767176

■ 807182

# Harmonies

## Analogous

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



5F6800



23711C



00764C

# Triad

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



23711C



006DBC



B3314B

# Complementary

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



23711C



6A1C71

# 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.



AA3378



23711C



2C5FBB

# Square

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



23711C



0075A5



8449A2



A5441F

# Rectangle

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



23711C



00776C



8449A2



B32E5A



# Sweetspot

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



23711C



759472



716A1C



374A35



C9C9C9



4A4A4A



# Same Dimension

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



23711C



1A940F



1C713F



333832



0A7800



14F700



# Inverse Universe

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



6A1C71



890F94



711C4E



383238



6E0078



E300F7



# Previews

## White Background



This preview shows how the Hex color 23711C looks on a white background.

## Color Contrast Check

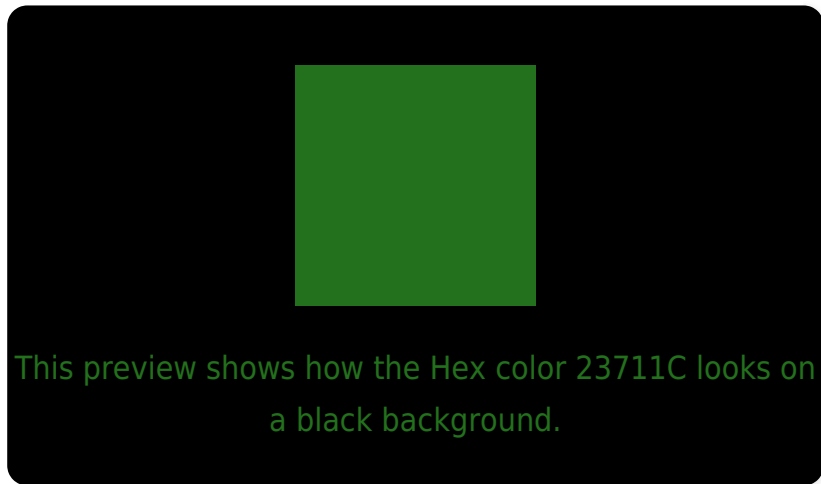
Large Text (above 18pt) WCAG AA ✓ Pass

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 23711C Background



This preview shows how black text looks on a background with the Hex color 23711C.



This preview shows how white text looks on a background with the Hex color 23711C.

# 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**  
23711C

**Protanopia**  
6E6218

**Deuteranopia**  
7A5D24



**Tritanopia**  
396972

# Trichromacy



**Original Color**  
23711C

**Protanomaly**  
536719

**Deuteranomaly**  
5A6421

**Tritanomaly**  
316C53

# Monochromacy



**Original Color**  
23711C

**Achromatopsia**  
505050

**Achromatomaly**  
405C3D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 23711C 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 #23711C looks like.

```
.text, #text, p{  
    color:#23711C  
}
```

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 #23711C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #23711C
}
```

## Border

The CSS property to change the border of an element to Hex 23711C 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".

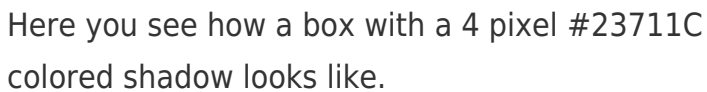
```
.border, #border, table{ border:4px solid
#23711C }
```

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

```
.border{ border-color:#23711C }
```

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

Here you see how a box with a 4 pixel #23711C colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #23711C; -webkit-box-shadow:4px 4px  
4px 4px #23711C; box-shadow:4px 4px 4px  
4px #23711C }
```

# Background

The CSS property to change the background color of an element to Hex 23711C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#23711C }
```

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

```
.background{ background-color:#23711C }
```

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