

# Converting Colors

Hex(20381C)

Have a look what the booklet for  
Hex(20381C) contains.

<b>Hex(20381C)</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(20381C)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	20381C
RGB	32, 56, 28
RGB Percent	13%, 22%, 11%
CMY	0.8745, 0.7804, 0.8902
CMYK	0.43, 0.00, 0.50, 0.78
HSL	111°, 33%, 16%
HSV	111°, 50%, 22%
XYZ	2.2194, 3.2193, 1.6030
YIQ	45.6320, -5.3160, -13.7960

# Conversions

## Conversions Part 2

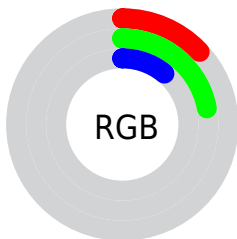
<b>Format</b>	<b>Color</b>
<b>RYB</b>	28, 56, 52
Decimal	2111516
CIELab	20.90, -16.15, 14.61
CIELCh	21, 21.771, 137.867
Yxy	3.2193, 0.3152, 0.4572
Android (android.graphics.Color)	4280301596 (0xFF20381C)
YUV	45.6320, -8.6926, -11.9553
Hunter-Lab	17.9423, -9.3188, 7.2625

# Details

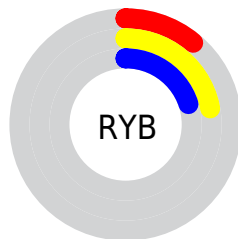
The Hex color **20381C** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **341C38**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **4E6748**, and **000600** is the 20% darker color. If you saturate the color by 10%, you get **1B3816**, and if you desaturate by 10%, it is **253822**.

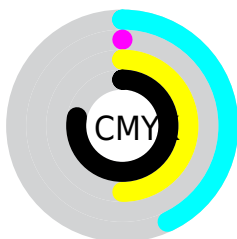
# Distribution



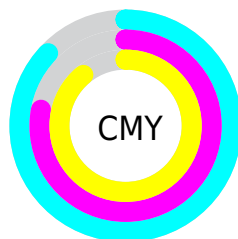
- Red (13%)
- Green (22%)
- Blue (11%)



- Red (11%)
- Yellow (22%)
- Blue (20%)



- Cyan (43%)
- Magenta (0%)
- Yellow (50%)
- Black (78%)



- Cyan (87%)
- Magenta (78%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 20381C 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 20381C by changing the saturation by 10% instead.



■ 20381C

■ 20381C

FFFFFF

■ 0C2203

■ 4E6748

■ 000600

■ 668060

■ 000000

■ 7F9A79

■ 99B592

■ B4D1AD

■ D0EDC8

■ ECFFE5

■ 20381C

■ 20381C

■ 1B3816

■ 253822

■ 163811

■ 2A3827

■ 12380B

■ 2E382D

■ 0D3806

■ 333832

■ 083800

■ 383838

■ 3D383E

■ 423843

■ 463849

■ 4B384E

# Harmonies

## Analogous

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



323413



20381C



033A2B

# Triad

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



20381C



003651



502529

# Complementary

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



20381C



341C38

# 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.



4D2639



20381C



293151

# Square

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



20381C



00394A



402A48



4C291B

# Rectangle

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



20381C



003A36



402A48



50252F



# Sweetspot

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



20381C



404A3F



38341C



20261F



A6A6A6



262626



# Same Dimension

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



20381C



244A1E



1C3826



1A1C19



0D5C00



1FDB00



# Inverse Universe

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



341C38



441E4A



381C2E



1C191C



4F005C

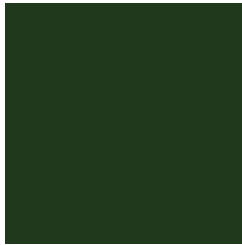


BC00DB



# Previews

## White Background



This preview shows how the Hex color 20381C looks on a white background.

## Color Contrast Check

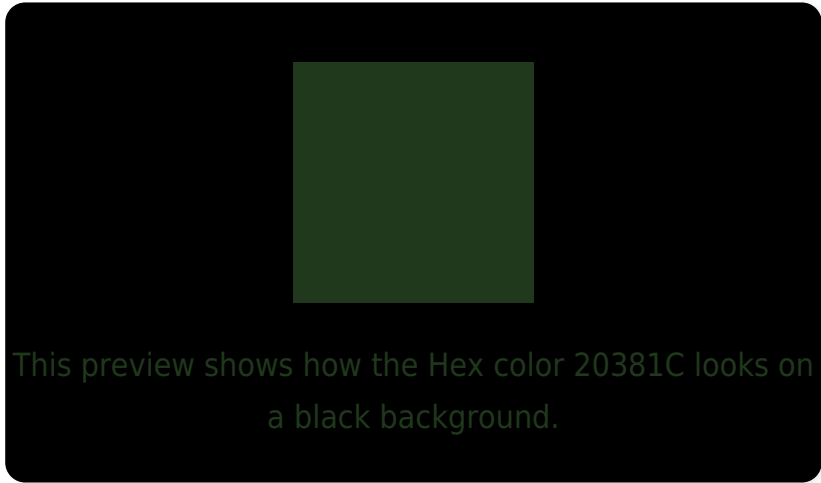
Large Text (above 18pt) WCAG AA ✓ Pass

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

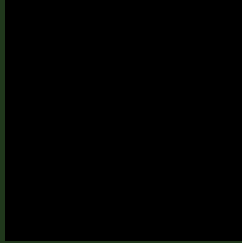
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 20381C Background



This preview shows how black text looks on a background with the Hex color 20381C.



This preview shows how white text looks on a background with the Hex color 20381C.

# 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**  
20381C

**Protanopia**  
37321A

**Deuteranopia**  
3D301E



**Tritanopia**  
253539

# Trichromacy



**Original Color**  
20381C

**Protanomaly**  
2F341B

**Deuteranomaly**  
32331D

**Tritanomaly**  
23362E

# Monochromacy



**Original Color**  
20381C

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
293227

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 20381C 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 #20381C looks like.

```
.text, #text, p{  
    color:#20381C  
}
```

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 #20381C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #20381C
}
```

## Border

The CSS property to change the border of an element to Hex 20381C is called "border". The border property can be set on classes, ids or directly on the HTML element.

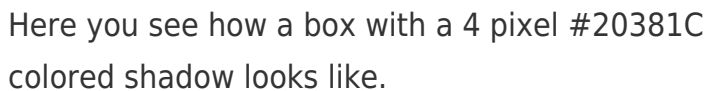
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#20381C }
```

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

```
.border{ border-color:#20381C }
```

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



Here you see how a box with a 4 pixel #20381C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #20381C; -webkit-box-shadow:4px 4px  
4px 4px #20381C; box-shadow:4px 4px 4px  
4px #20381C }
```

# Background

The CSS property to change the background color of an element to Hex 20381C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#20381C }
```

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

```
.background{ background-color:#20381C }
```

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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