

# Converting Colors

Hex(1B380A)

Have a look what the booklet for  
Hex(1B380A) contains.

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# Color

Hex(1B380A)

# Conversions

## Conversions Part 1

Format	Color
Hex	1B380A
RGB	27, 56, 10
RGB Percent	11%, 22%, 4%
CMY	0.8941, 0.7804, 0.9608
CMYK	0.52, 0.00, 0.82, 0.78
HSL	98°, 70%, 13%
HSV	98°, 82%, 22%
XYZ	1.9210, 3.0833, 0.7810
YIQ	42.0850, -2.5180, -20.4540

# Conversions

## Conversions Part 2

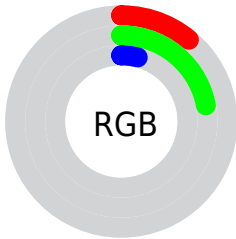
<b>Format</b>	<b>Color</b>
<b>RYB</b>	10, 56, 39
Decimal	1783818
CIELab	20.37, -20.59, 23.96
CIELCh	20, 31.589, 130.679
Yxy	3.0833, 0.3320, 0.5330
Android (android.graphics.Color)	4279973898 (0xFF1B380A)
YUV	42.0850, -15.8179, -13.2295
Hunter-Lab	17.5593, -11.2011, 9.6542

# Details

The Hex color **1B380A** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **270A38**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **4A6737**, and **000300** is the 20% darker color. If you saturate the color by 10%, you get **173804**, and if you desaturate by 10%, it is **1F3810**.

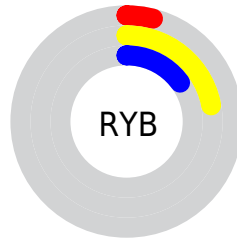
# Distribution



Red (11%)

Green (22%)

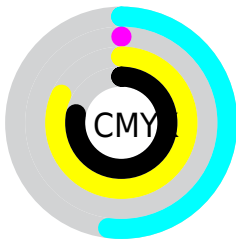
Blue (4%)



Red (4%)

Yellow (22%)

Blue (15%)

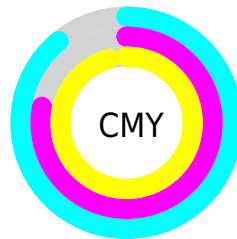


Cyan (52%)

Magenta (0%)

Yellow (82%)

Black (78%)



Cyan (89%)

Magenta (78%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1B380A 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 1B380A by changing the saturation by 10% instead.



 1B380A

 1B380A

 FFFFED

 032200

 4A6737

 000300

 62814E

 000000

 7C9B66

 96B580

 B1D19A

 CEDEB5

 E9FFD1

 1B380A

 1B380A

■ 173804

■ 1F3810

■ 153800

■ 223815

■ 26381B

■ 293820

■ 2D3826

■ 30382C

■ 343831

■ 373837

■ 3B383C

# Harmonies

## Analogous

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



353300



1B380A



003B21

# Triad

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



1B380A



00385D



5A1A2A

# Complementary

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



1B380A



270A38

# 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.



531D41



1B380A



09315F

# Square

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



1B380A



003B4F



3D2754



562014

# Rectangle

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



1B380A



003C31



3D2754



591932



# Sweetspot

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



1B380A



3E4A37



38260A



1F261B



A6A6A6



262626



# Same Dimension

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



1B380A



1C4A01



0A380F



1A1C19



225C00



51DB00



# Inverse Universe

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



270A38



2F014A



380A33



1B191C



3A005C



8A00DB



# Previews

## White Background



This preview shows how the Hex color 1B380A looks on a white background.

## Color Contrast Check

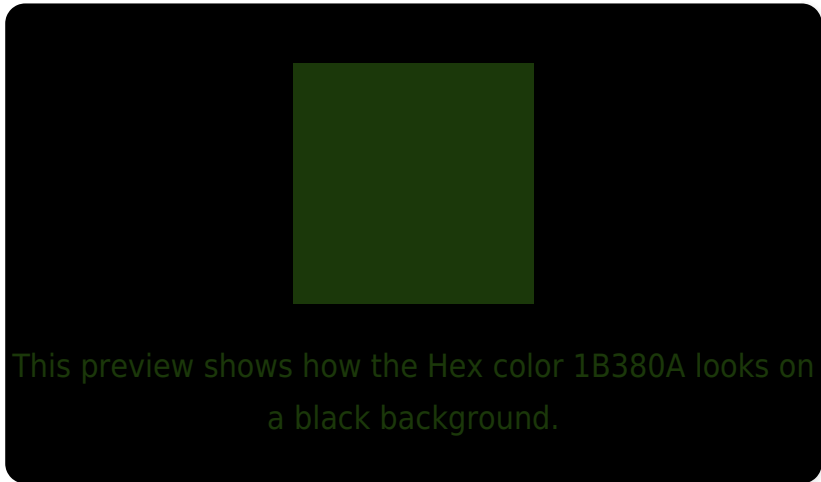
Large Text (above 18pt) WCAG AA ✓ Pass

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

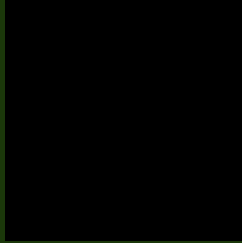
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1B380A Background



This preview shows how black text looks on a background with the Hex color 1B380A.



This preview shows how white text looks on a background with the Hex color 1B380A.

# 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](#).

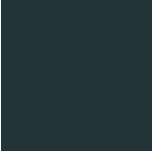
## Dichromacy



**Original Color**  
1B380A

**Protanopia**  
373108

**Deuteranopia**  
3E2F0F



**Tritanopia**  
233438

# Trichromacy



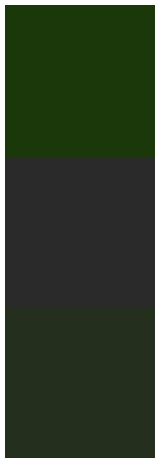
**Original Color**  
1B380A

**Protanomaly**  
2D3409

**Deuteranomaly**  
31320D

**Tritanomaly**  
203527

# Monochromacy



**Original Color**  
1B380A

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
252F1E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1B380A 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 #1B380A looks like.

```
.text, #text, p{  
    color:#1B380A  
}
```

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 #1B380A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B380A
}
```

## Border

The CSS property to change the border of an element to Hex 1B380A is called "border". The border property can be set on classes, ids or directly on the HTML element.

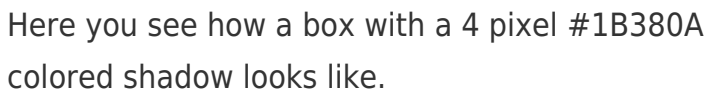
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#1B380A }
```

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

```
.border{ border-color:#1B380A }
```

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



Here you see how a box with a 4 pixel #1B380A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B380A; -webkit-box-shadow:4px 4px  
4px 4px #1B380A; box-shadow:4px 4px 4px  
4px #1B380A }
```

# Background

The CSS property to change the background color of an element to Hex 1B380A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B380A }
```

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

```
.background{ background-color:#1B380A }
```

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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