

# Converting Colors

Hex(02220A)

Have a look what the booklet for  
Hex(02220A) contains.

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# Color

Hex(02220A)

# Conversions

## Conversions Part 1

Format	Color
Hex	02220A
RGB	2, 34, 10
RGB Percent	1%, 13%, 4%
CMY	0.9922, 0.8667, 0.9608
CMYK	0.94, 0.00, 0.71, 0.87
HSL	135°, 89%, 7%
HSV	135°, 94%, 13%
XYZ	0.6518, 1.1789, 0.4803
YIQ	21.6960, -11.3680, -14.2480

# Conversions

## Conversions Part 2

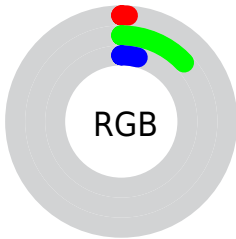
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	2, 28, 34
Decimal	139786
CIE <sub>Lab</sub>	10.40, -18.13, 11.06
CIE <sub>LCh</sub>	10, 21.236, 148.609
Yxy	1.1789, 0.2821, 0.5101
Android (android.graphics.Color)	4278329866 (0xFF02220A)
YUV	21.6960, -5.7661, -17.2734
Hunter-Lab	10.8576, -8.2843, 4.9773

# Details

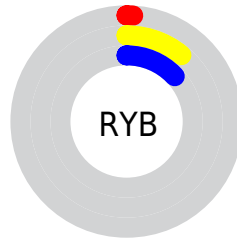
The Hex color **02220A** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **22021A**, and the grayscale version is **161616**.

A 20% lighter version of the original color is **2E4F36**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **002209**, and if you desaturate by 10%, it is **05220D**.

# Distribution



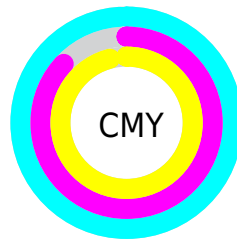
- Red (1%)
- Green (13%)
- Blue (4%)



- Red (1%)
- Yellow (11%)
- Blue (13%)



- Cyan (94%)
- Magenta (0%)
- Yellow (71%)
- Black (87%)



- Cyan (99%)
- Magenta (87%)
- Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 02220A 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 02220A by changing the saturation by 10% instead.



 02220A

 02220A

 E3FFE8

 000300

 2E4F36

 000000

 46674D

 5E8065

 779A7E

 91B598

 ACD1B2

 C7EDCE

 02220A

 02220A

■ 002209

■ 05220D

■ 09220F

■ 0C2212

■ 102214

■ 132217

■ 162219

■ 1A221C

■ 1D221E

■ 212221

# Harmonies

## Analogous

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



181F00



02220A



00231B

# Triad

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



02220A



001E39



36100E

# Complementary

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



02220A



22021A

# 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.



350E1E



02220A



1B1936

# Square

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



02220A



002135



2D122B



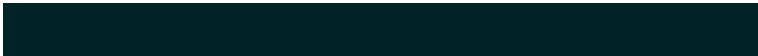
301600

# Rectangle

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



02220A



002325



2D122B



360F14



# Sweetspot

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



02220A



1F2B22



1A2202



0F1711



969696



171717



# Same Dimension

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



02220A



002B0B



02221A



101211



005214



00D134



# Inverse Universe

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



22021A



2B0021



22020A



121011



52003D

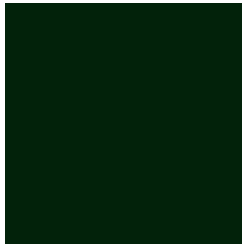


D1009D



# Previews

## White Background



This preview shows how the Hex color 02220A looks on a white background.

## Color Contrast Check

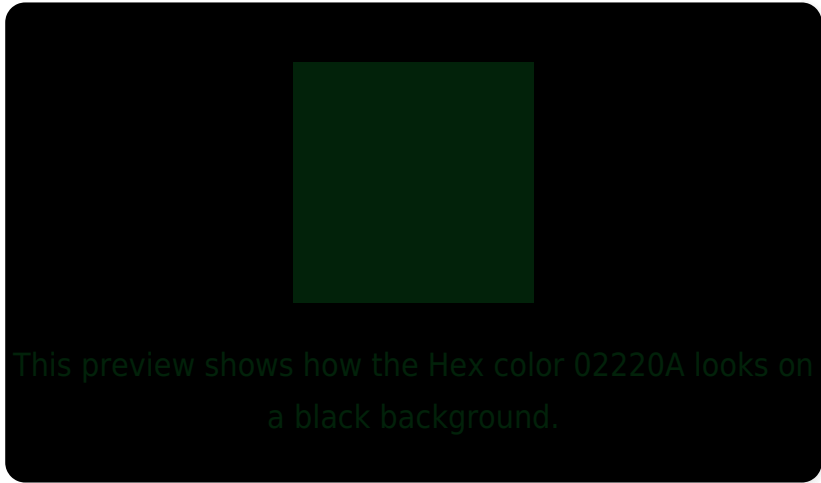
Large Text (above 18pt) WCAG AA ✓ Pass

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

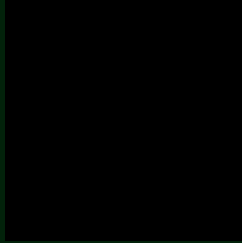
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 02220A Background



This preview shows how black text looks on a background with the Hex color 02220A.



This preview shows how white text looks on a background with the Hex color 02220A.

# 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**  
02220A

**Protanopia**  
211D09

**Deuteranopia**  
241C0C



# Trichromacy



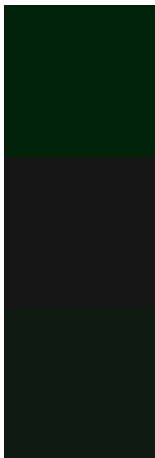
**Original Color**  
02220A

**Protanomaly**  
161F09

**Deuteranomaly**  
181E0B

**Tritanomaly**  
0A2119

# Monochromacy



**Original Color**  
02220A

**Achromatopsia**  
161616

**Achromatomaly**  
0F1A12

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 02220A 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 #02220A looks like.

```
.text, #text, p{  
    color:#02220A  
}
```

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 #02220A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #02220A
}
```

## Border

The CSS property to change the border of an element to Hex 02220A 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".

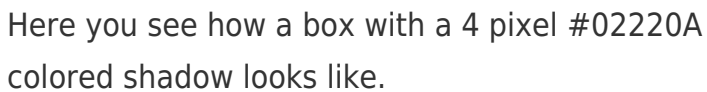
```
.border, #border, table{ border:4px solid
#02220A }
```

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

```
.border{ border-color:#02220A }
```

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

Here you see how a box with a 4 pixel #02220A colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #02220A; -webkit-box-shadow:4px 4px  
4px 4px #02220A; box-shadow:4px 4px 4px  
4px #02220A }
```

# Background

The CSS property to change the background color of an element to Hex 02220A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#02220A }
```

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

```
.background{ background-color:#02220A }
```

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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