

# Converting Colors

Hex(21A20A)

Have a look what the booklet for  
Hex(21A20A) contains.

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# Color

Hex(21A20A)

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 21A20A                       |
| RGB         | 33, 162, 10                  |
| RGB Percent | 13%, 64%, 4%                 |
| CMY         | 0.8706, 0.3647, 0.9608       |
| CMYK        | 0.80, 0.00, 0.94, 0.36       |
| HSL         | 111°, 88%, 34%               |
| HSV         | 111°, 94%, 64%               |
| XYZ         | 13.6023, 26.1859, 4.6246     |
| YIQ         | 106.1010, -28.0920, -74.6200 |

# Conversions

## Conversions Part 2

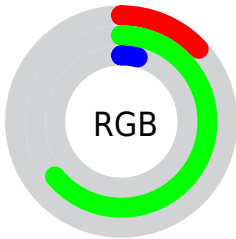
| Format                              | Color                           |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 10, 162, 139                    |
| Decimal                             | 2204170                         |
| CIELab                              | 58.21, -58.35, 58.17            |
| CIELCh                              | 58, 82.394, 135.087             |
| Yxy                                 | 26.1859, 0.3063,<br>0.5896      |
| Android<br>(android.graphics.Color) | 4280394250<br>(0xFF21A20A)      |
| YUV                                 | 106.1010, -47.3778,<br>-64.1096 |
| Hunter-Lab                          | 51.1722, -42.1034,<br>30.4622   |

# Details

The Hex color **21A20A** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8B0AA2**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **67DA4C**, and **006D00** is the 20% darker color. If you saturate the color by 10%, you get **19A200**, and if you desaturate by 10%, it is **2FA21A**.

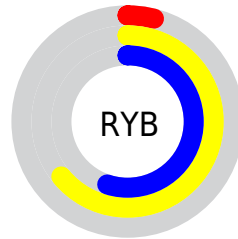
# Distribution



Red (13%)

Green (64%)

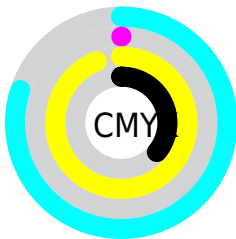
Blue (4%)



Red (4%)

Yellow (64%)

Blue (55%)

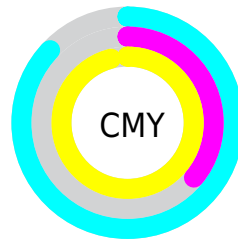


Cyan (80%)

Magenta (0%)

Yellow (94%)

Black (36%)



Cyan (87%)

Magenta (36%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 21A20A 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 21A20A by changing the saturation by 10% instead.



 21A20A

 21A20A

FFFFFF

 008700

 67DA4C

 006D00

 85F767

 005300

 A3FF82

 003B00

 C1FF9E

 002300

 DEFFBA

 000000

 FDFFD7

 FFFFF4

 21A20A

 21A20A

 19A200

 2FA21A

 3CA22A

 4AA23B

 58A24B

 66A25B

 73A26B

 81A27B

 8FA28C

 9DA29C

# Harmonies

## Analogous

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



889400



21A20A



00A964

# Triad

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



21A20A



009FFF



FF2F6B

# Complementary

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



21A20A



8B0AA2

# 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.



F938B3



21A20A



0089FF

# Square

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



21A20A



00A9F2



BA65F3



F45724

# Rectangle

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



21A20A



00AB97



BA65F3



FF2A83



# Sweetspot

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



21A20A



A1D498



A2890A



4C6B47



EBEBEB



6B6B6B



# Same Dimension

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



21A20A



20D400



0AA23D



4B5249



169100



031200



# Inverse Universe

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



8B0AA2



B400D4



A20A6F



504952



7B0091

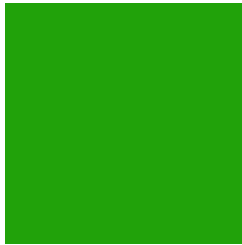


0F0012



# Previews

## White Background



This preview shows how the Hex color 21A20A looks on a white background.

## Color Contrast Check

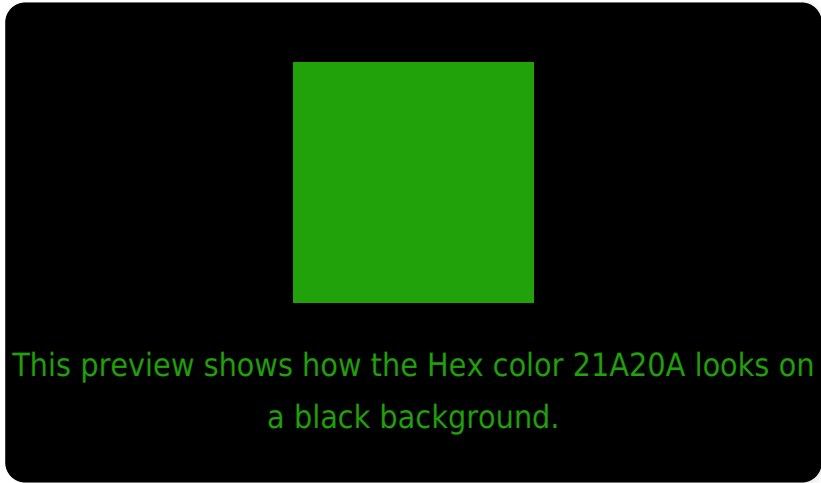
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



## Hex 21A20A Background



This preview shows how black text looks on a background with the Hex color 21A20A.



This preview shows how white text looks on a background with the Hex color 21A20A.

# 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**  
21A20A

**Protanopia**  
9D8B00

**Deuteranopia**  
AF8424



**Tritanopia**  
4A97A3

# Trichromacy



**Original Color**

21A20A



**Protanomaly**

709304



**Deuteranomaly**

7B8F1B



**Tritanomaly**

3B9B6B

# Monochromacy



**Original Color**

21A20A



**Achromatopsia**

6A6A6A



**Achromatomaly**

4F7E47

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 21A20A 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 #21A20A looks like.

```
.text, #text, p{  
    color:#21A20A  
}
```

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 #21A20A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21A20A
}
```

## Border

The CSS property to change the border of an element to Hex 21A20A 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
#21A20A }
```

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

```
.border{ border-color:#21A20A }
```

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

Here you see how a box with a 4 pixel #21A20A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21A20A; -webkit-box-shadow:4px 4px  
4px 4px #21A20A; box-shadow:4px 4px 4px  
4px #21A20A }
```

# Background

The CSS property to change the background color of an element to Hex 21A20A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21A20A }
```

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

```
.background{ background-color:#21A20A }
```

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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