

# Converting Colors

Hex(21FF33)

Have a look what the booklet for  
Hex(21FF33) contains.

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**Color**

**Hex(21FF33)**

# Conversions

## Conversions Part 1

Format	Color
Hex	21FF33
RGB	33, 255, 51
RGB Percent	13%, 100%, 20%
CMY	0.8706, 0.0000, 0.8000
CMYK	0.87, 0.00, 0.80, 0.00
HSL	125°, 100%, 56%
HSV	125°, 87%, 100%
XYZ	36.9847, 72.0823, 15.0960
YIQ	165.3660, -66.8280, -110.5080

# Conversions

## Conversions Part 2

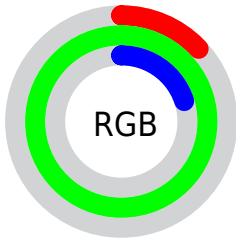
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 238, 255
Decimal	2228019
CIE <sub>Lab</sub>	88.01, -83.28, 75.81
CIE <sub>LCh</sub>	88, 112.617, 137.688
Yxy	72.0823, 0.2979, 0.5805
Android (android.graphics.Color)	4280418099 (0xFF21FF33)
YUV	165.3660, -56.3824, -116.0850
Hunter-Lab	84.9013, -70.8191, 48.8888

# Details

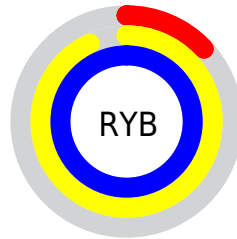
The Hex color **21FF33** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark washed green. A complement of this color would be **FF21ED**, and the grayscale version is **A6A6A6**.

A 20% lighter version of the original color is **7EFF72**, and **00C400** is the 20% darker color. If you saturate the color by 10%, you get **08FF1C**, and if you desaturate by 10%, it is **3AFF4A**.

# Distribution



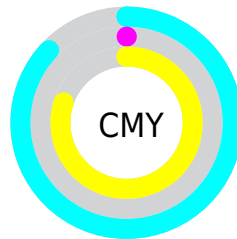
- Red (13%)
- Green (100%)
- Blue (20%)



- Red (13%)
- Yellow (93%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)



- Cyan (87%)
- Magenta (0%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 21FF33 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 21FF33 by changing the saturation by 10% instead.



 21FF33

 21FF33

FFFFFF

 00E100

 7EFF72

 00C400

 A0FF8F

 00A800

 C1FFAC

 008C00

 E2FFCA


 007100

 FFFFE7

 005600

 003D00

 002300

 000000

 21FF33

 21FF33

 08FF1C

 3AFF4A

 00FF15

 54FF62

 6DFF79

 87FF91

 A1FFA8

 BAFFC0

 D3FFD7

 EDFFE0

FFFFFF

# Harmonies

## Analogous

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



CEEB00



21FF33



00FFAB

# Triad

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



21FF33



00F7FF



FF5BA3

# Complementary

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



21FF33



FF21ED

# 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.



FF60FF



21FF33



47D4FF

# Square

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



21FF33



00FFFF



FF9DFF



FF9439

# Rectangle

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



21FF33



00FFF7



FF9DFF



FF52C6

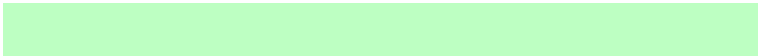


# Sweetspot

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



21FF33



BDFFC2



F0FF21



58805B



000000



808080



# Same Dimension

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



21FF33



00FF15



21FF9F



738074



00BF10



004005



# Inverse Universe

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



FF21ED



FF00EA



FF2181



80737E



BF00B0

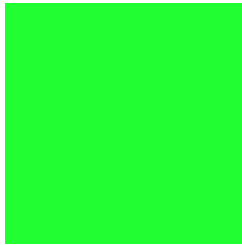


40003B



# Previews

## White Background



This preview shows how the Hex color 21FF33 looks on a white background.

## Color Contrast Check

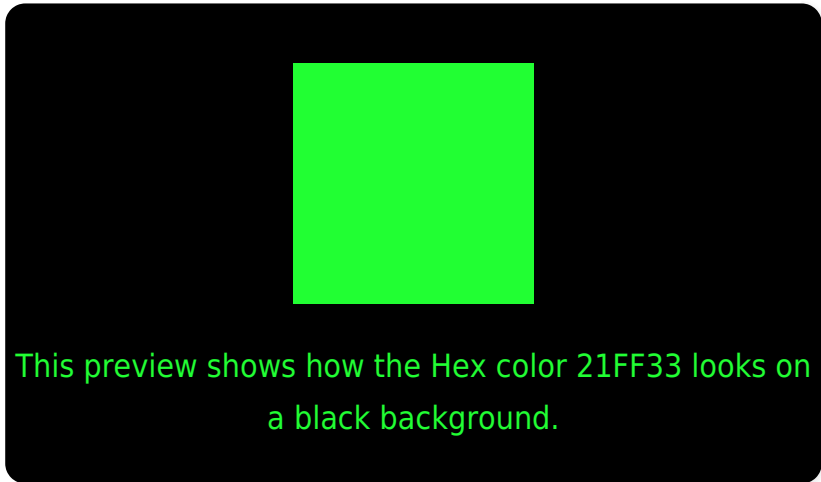
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# 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 ✓ Pass

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



## Hex 21FF33 Background



This preview shows how black text looks on a background with the Hex color 21FF33.

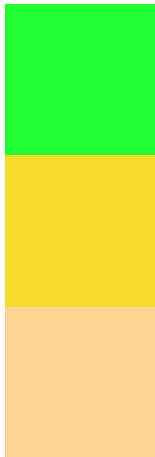


This preview shows how white text looks on a background with the Hex color 21FF33.

# 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](#).

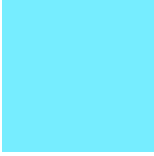
## Dichromacy



**Original Color**  
21FF33

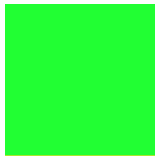
**Protanopia**  
F6DB2A

**Deuteranopia**  
FFD393



**Tritanopia**  
76EDFF

# Trichromacy



**Original Color**  
21FF33



**Protanomaly**  
A9E82D

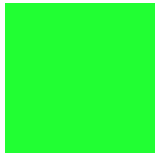


**Deuteranomaly**  
AEE370

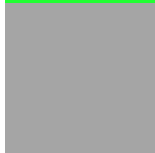


**Tritanomaly**  
57F4B5

# Monochromacy



**Original Color**  
21FF33



**Achromatopsia**  
A5A5A5



**Achromatomaly**  
75C67C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 21FF33 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 #21FF33 looks like.

```
.text, #text, p{  
    color:#21FF33  
}
```

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 #21FF33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21FF33
}
```

## Border

The CSS property to change the border of an element to Hex 21FF33 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
#21FF33 }
```

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

```
.border{ border-color:#21FF33 }
```

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

Here you see how a box with a 4 pixel #21FF33 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21FF33; -webkit-box-shadow:4px 4px  
4px 4px #21FF33; box-shadow:4px 4px 4px  
4px #21FF33 }
```

# Background

The CSS property to change the background color of an element to Hex 21FF33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21FF33 }
```

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

```
.background{ background-color:#21FF33 }
```

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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