

# Converting Colors

Hex(24FF21)

Have a look what the booklet for  
Hex(24FF21) contains.

<b>Hex(24FF21)</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(24FF21)**

# Conversions

## Conversions Part 1

Format	Color
Hex	24FF21
RGB	36, 255, 33
RGB Percent	14%, 100%, 13%
CMY	0.8588, 0.0000, 0.8706
CMYK	0.86, 0.00, 0.87, 0.00
HSL	119°, 100%, 56%
HSV	119°, 87%, 100%
XYZ	36.7621, 72.0049, 13.3996
YIQ	164.2110, -59.2620, -115.4700

# Conversions

## Conversions Part 2

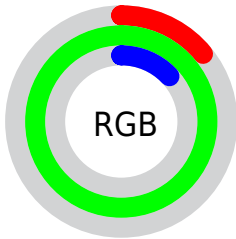
Format	Color
<a href="#">RYB</a>	<a href="#">33, 255, 252</a>
Decimal	<a href="#">2424609</a>
CIELab	<a href="#">87.97, -83.85, 79.78</a>
CIELCh	<a href="#">88, 115.741, 136.426</a>
Yxy	<a href="#">72.0049, 0.3009, 0.5894</a>
Android (android.graphics.Color)	<a href="#">4280614689</a> ( <a href="#">0xFF24FF21</a> )
YUV	<a href="#">164.2110, -64.6870, -112.4410</a>
Hunter-Lab	<a href="#">84.8557, -71.1658, 50.0365</a>

# Details

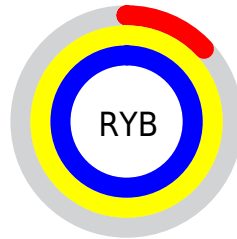
The Hex color **24FF21** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark washed green. A complement of this color would be **FC21FF**, and the grayscale version is **A5A5A5**.

A 20% lighter version of the original color is **7FFF67**, and **00C400** is the 20% darker color. If you saturate the color by 10%, you get **0BFF08**, and if you desaturate by 10%, it is **3DFF3A**.

# Distribution



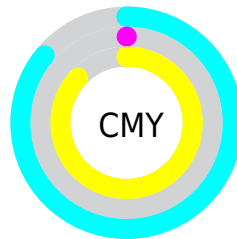
- Red (14%)
- Green (100%)
- Blue (13%)



- Red (13%)
- Yellow (100%)
- Blue (99%)



- Cyan (86%)
- Magenta (0%)
- Yellow (87%)
- Black (0%)



- Cyan (86%)
- Magenta (0%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 24FF21 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 24FF21 by changing the saturation by 10% instead.



 24FF21

 24FF21

FFFFFF

 00E100

 7FFF67

 00C400

 A2FF85

 00A800

 C3FFA2

 008C00

 E4FFC0

 007100

 FFFFDE

 005600

 FFFFFC

 003D00

 002300

 000000

 24FF21

 24FF21

 0BFF08

 3DFF3A

 03FF00

 56FF54

 6FFF6D

 89FF87

 A2FFA1

 BBFFBA

 D4FFD3

 EDF FED

FFFFFF

# Harmonies

## Analogous

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



D1EA00



24FF21



00FFA5

# Triad

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



24FF21



00F8FF



FF50A6

# Complementary

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



24FF21



FC21FF

# 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.



FF5AFF



24FF21



00D6FF

# Square

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



24FF21



00FFFF



FF9EFF



FF8E39

# Rectangle

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



24FF21



00FFF2



FF9EFF



FF46CA

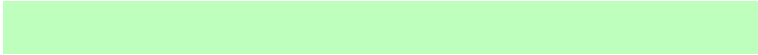


# Sweetspot

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



24FF21



BEFFBD



FFFB21



598058



000000



808080



# Same Dimension

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



24FF21



03FF00



21FF8C



738073



03BF00



014000



# Inverse Universe

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



FC21FF



FC00FF



FF2194



7F7380



BD00BF

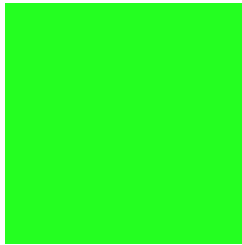


3F0040



# Previews

## White Background



This preview shows how the Hex color 24FF21 looks on a white background.

## Color Contrast Check

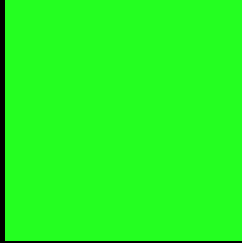
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 24FF21 looks on a 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 24FF21 Background



This preview shows how black text looks on a background with the Hex color 24FF21.

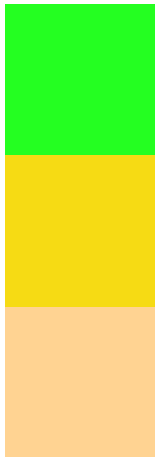


This preview shows how white text looks on a background with the Hex color 24FF21.

# 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](#).

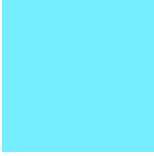
## Dichromacy



**Original Color**  
E67E22

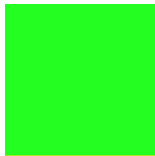
**Protanopia**  
F6DB14

**Deuteranopia**  
FFD392



**Tritanopia**  
76ECFF

# Trichromacy



**Original Color**  
24FF21



**Protanomaly**  
AAE819

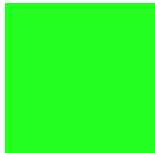


**Deuteranomaly**  
AFE369



**Tritanomaly**  
58F3AE

# Monochromacy



**Original Color**  
24FF21



**Achromatopsia**  
A4A4A4



**Achromatomaly**  
75C574

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 24FF21 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 #24FF21 looks like.

```
.text, #text, p{  
    color:#24FF21  
}
```

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 #24FF21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #24FF21
}
```

## Border

The CSS property to change the border of an element to Hex 24FF21 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
#24FF21 }
```

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

```
.border{ border-color:#24FF21 }
```

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

Here you see how a box with a 4 pixel #24FF21 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #24FF21; -webkit-box-shadow:4px 4px  
4px 4px #24FF21; box-shadow:4px 4px 4px  
4px #24FF21 }
```

# Background

The CSS property to change the background color of an element to Hex 24FF21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#24FF21 }
```

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

```
.background{ background-color:#24FF21 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor