

Converting Colors

Hex(28FF22)

Have a look what the booklet for
Hex(28FF22) contains.

Hex(28FF22)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(28FF22)

Conversions

Conversions Part 1

Format	Color
Hex	28FF22
RGB	40, 255, 34
RGB Percent	16%, 100%, 13%
CMY	0.8431, 0.0000, 0.8667
CMYK	0.84, 0.00, 0.87, 0.00
HSL	118°, 100%, 57%
HSV	118°, 87%, 100%
XYZ	36.9238, 72.0866, 13.4814
YIQ	165.5210, -57.1990, -114.3110

Conversions

Conversions Part 2

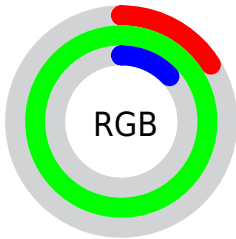
Format	Color
R _Y B	34, 255, 249
Decimal	2686754
CIE Lab	88.01, -83.49, 79.64
CIE LCh	88, 115.385, 136.350
Yxy	72.0866, 0.3014, 0.5885
Android (android.graphics.Color)	4280876834 (0xFF28FF22)
YUV	165.5210, -64.8399, -110.0819
Hunter-Lab	84.9038, -70.9539, 50.0184

Details

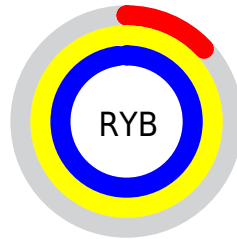
The Hex color **28FF22** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark washed green. A complement of this color would be **F922FF**, and the grayscale version is **A6A6A6**.

A 20% lighter version of the original color is **81FF68**, and **00C400** is the 20% darker color. If you saturate the color by 10%, you get **0FFF08**, and if you desaturate by 10%, it is **41FF3B**.

Distribution



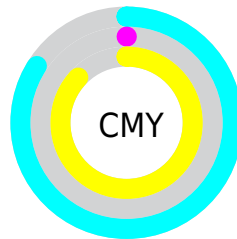
- Red (16%)
- Green (100%)
- Blue (13%)



- Red (13%)
- Yellow (100%)
- Blue (98%)



- Cyan (84%)
- Magenta (0%)
- Yellow (87%)
- Black (0%)



- Cyan (84%)
- Magenta (0%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color 28FF22 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 28FF22 by changing the saturation by 10% instead.

 28FF22

 28FF22

FFFFFF

 00E100


 81FF68

 00C400

 A3FF85

 00A800

 C4FFA3

 008C00

 E5FFC0

 007100

 FFFFDE

 005600

 FFFFFC

 003D00

 002300

 000000

 28FF22

 28FF22

 0FFF08

 41FF3B

 07FF00

 5AFF55

 72FF6E

 8BFF88

 A4FFA2

 BDFFB8

 D6FFD4

 EEEFEE

FFFFFF

Harmonies

Analogous

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



D2EA00



28FF22



00FFA5

Triad

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



28FF22



00F8FF



FF51A6

Complementary

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



28FF22



F922FF

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.



FF5BFF



28FF22



00D6FF

Square

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



28FF22



00FFFF



FF9EFF



FF8F3A

Rectangle

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



28FF22



00FFF2



FF9EFF



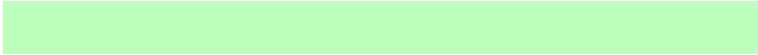
FF47CA

Sweetspot

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



28FF22



BFFFBD



FFF822



598058



000000



808080

Same Dimension

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



28FF22



07FF00



22FF89



738073



05BF00



024000

Inverse Universe

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



F922FF



F800FF



FF2298



7F7380



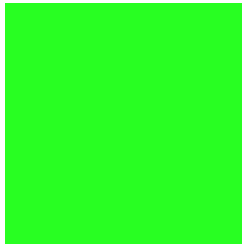
BA00BF



3E0040

Previews

White Background



This preview shows how the Hex color 28FF22 looks on a white background.

Color Contrast Check

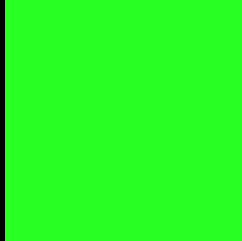
Large Text (above 18pt) WCAG AA × Fail

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 28FF22 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

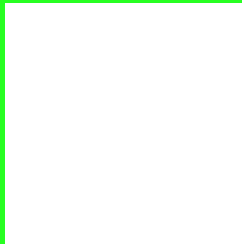
Any Text WCAG AAA ✓ Pass

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

Hex 28FF22 Background



This preview shows how black text looks on a background with the Hex color 28FF22.

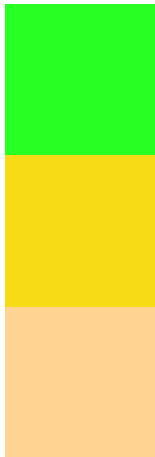


This preview shows how white text looks on a background with the Hex color 28FF22.

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](#).

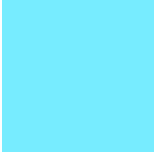
Dichromacy



Original Color
E67E22

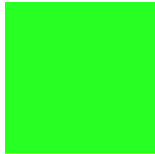
Protanopia
F6DB16

Deuteranopia
FFD492



Tritanopia
77ECFF

Trichromacy



Original Color
28FF22



Protanomaly
ABE81A

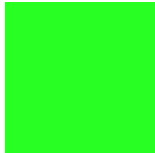


Deuteranomaly
B1E469



Tritanomaly
5AF3AF

Monochromacy



Original Color
28FF22



Achromatopsia
A6A6A6



Achromatomaly
78C676

CSS Examples

Text

The CSS property to change the color of the text to Hex 28FF22 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 #28FF22 looks like.

```
.text, #text, p{  
    color:#28FF22  
}
```

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 #28FF22 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28FF22
}
```

Border

The CSS property to change the border of an element to Hex 28FF22 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
#28FF22 }
```

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

```
.border{ border-color:#28FF22 }
```

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

Here you see how a box with a 4 pixel #28FF22 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28FF22; -webkit-box-shadow:4px 4px  
4px 4px #28FF22; box-shadow:4px 4px 4px  
4px #28FF22 }
```

Background

The CSS property to change the background color of an element to Hex 28FF22 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28FF22 }
```

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

```
.background{ background-color:#28FF22 }
```

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