

# Converting Colors

Hex(20F900)

Have a look what the booklet for  
Hex(20F900) contains.

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**Color**

**Hex(20F900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	20F900
RGB	32, 249, 0
RGB Percent	13%, 98%, 0%
CMY	0.8745, 0.0235, 1.0000
CMYK	0.87, 0.00, 1.00, 0.02
HSL	112°, 100%, 49%
HSV	112°, 100%, 98%
XYZ	34.4713, 68.0584, 11.3198
YIQ	155.7310, -49.4030, -123.4430

# Conversions

## Conversions Part 2

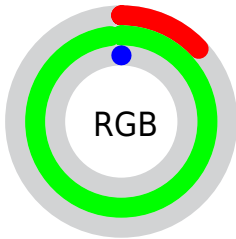
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 249, 217
Decimal	2160896
CIELab	86.04, -83.24, 81.88
CIELCh	86, 116.763, 135.471
Yxy	68.0584, 0.3028, 0.5978
Android (android.graphics.Color)	4280350976 (0xFF20F900)
YUV	155.7310, -76.7754, -108.5121
Hunter-Lab	82.4975, -69.7850, 49.6129

# Details

The Hex color **20F900** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **D900F9**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **7DFF5B**, and **00BF00** is the 20% darker color. If you saturate the color by 10%, you get **20F900**, and if you desaturate by 10%, it is **36F919**.

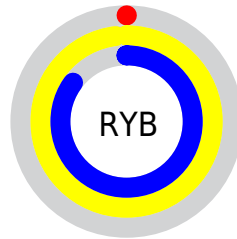
# Distribution



Red (13%)

Green (98%)

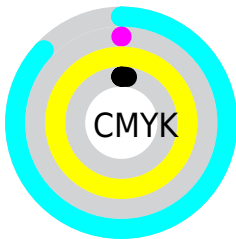
Blue (0%)



Red (0%)

Yellow (98%)

Blue (85%)

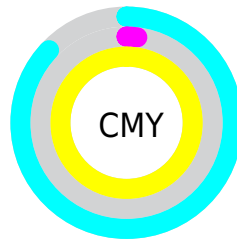


Cyan (87%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (87%)

Magenta (2%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 20F900 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 20F900 by changing the saturation by 10% instead.



 20F900

 20F900

FFFFFF

 00DC00

 7DFF5B

 00BF00

 A0FF7A

 00A200

 C1FF97

 008700

 E1FFB5

 006C00

 FFFFD3

 005100

 FFFFF1

 003800

 001D00

 000000

 20F900

 36F919

 4BF932

 61F94B

 77F964

 8DF97D

 A2F995

 B8F9AE

 CEF9C7

 E3F9E0

# Harmonies

## Analogous

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



CEE400



20F900



00FF9B

# Triad

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



20F900



00F4FF



FF41A4

# Complementary

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



20F900



D900F9

# 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.



FF50FF



20F900



00D2FF

# Square

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



20F900



00FFFF



FF99FF



FF8535

# Rectangle

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



20F900



00FFE9



FF99FF



FF35C8

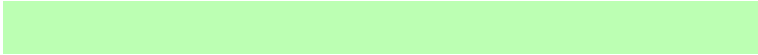


# Sweetspot

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



20F900



BCFFB3



F9D800



578052



000000



808080



# Same Dimension

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



20F900



21FF00



00F95B



727D70



18BD00



083D00



# Inverse Universe

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



D900F9



DE00FF



F9009E



7B707D



A400BD

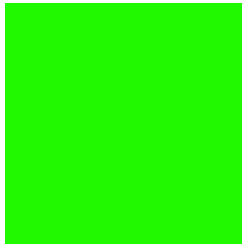


35003D



# Previews

## White Background



This preview shows how the Hex color 20F900 looks on a white background.

## Color Contrast Check

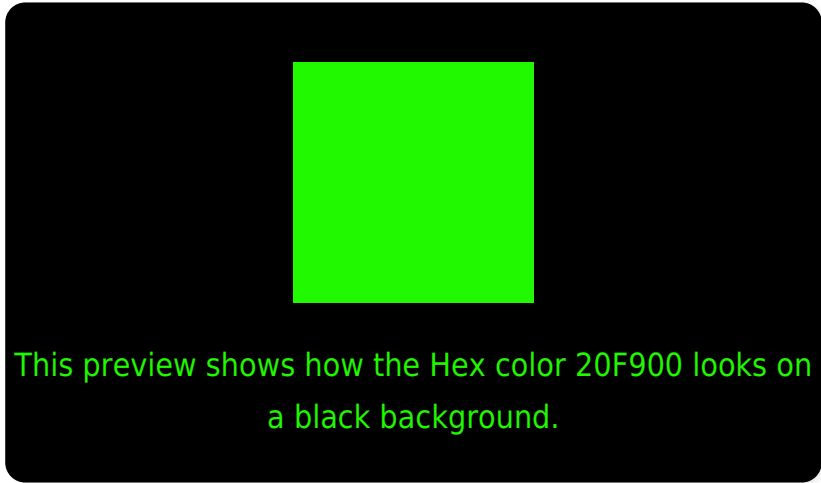
Large Text (above 18pt) WCAG AA × Fail

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

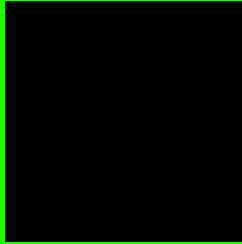
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 20F900 Background



This preview shows how black text looks on a background with the Hex color 20F900.



This preview shows how white text looks on a background with the Hex color 20F900.

# 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](#).

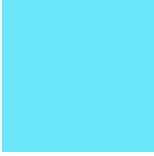
## Dichromacy



**Original Color**  
20F900

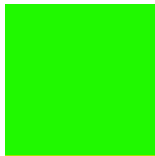
**Protanopia**  
F0D600

**Deuteranopia**  
FFCD7A



**Tritanopia**  
6CE7FA

# Trichromacy



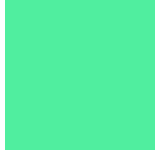
**Original Color**  
20F900



**Protanomaly**  
A4E300

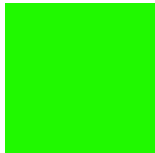


**Deuteranomaly**  
AEDD4E

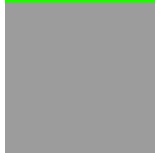


**Tritanomaly**  
50EE9F

# Monochromacy



**Original Color**  
20F900



**Achromatopsia**  
9C9C9C



**Achromatomaly**  
6FBE63

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 20F900 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 #20F900 looks like.

```
.text, #text, p{  
    color:#20F900  
}
```

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 #20F900 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #20F900
}
```

## Border

The CSS property to change the border of an element to Hex 20F900 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".

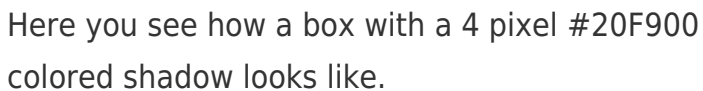
```
.border, #border, table{ border:4px solid
#20F900 }
```

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

```
.border{ border-color:#20F900 }
```

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

Here you see how a box with a 4 pixel #20F900 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #20F900; -webkit-box-shadow:4px 4px  
4px 4px #20F900; box-shadow:4px 4px 4px  
4px #20F900 }
```

# Background

The CSS property to change the background color of an element to Hex 20F900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#20F900 }
```

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

```
.background{ background-color:#20F900 }
```

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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