

# Converting Colors

Hex(20FFB9)

Have a look what the booklet for  
Hex(20FFB9) contains.

<b>Hex(20FFB9)</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(20FFB9)

# Conversions

## Conversions Part 1

Format	Color
Hex	20FFB9
RGB	32, 255, 185
RGB Percent	13%, 100%, 73%
CMY	0.8745, 0.0000, 0.2745
CMYK	0.87, 0.00, 0.27, 0.00
HSL	161°, 100%, 56%
HSV	161°, 87%, 100%
XYZ	45.1126, 75.3299, 58.0614
YIQ	180.3430, -110.4380, -69.0460

# Conversions

## Conversions Part 2

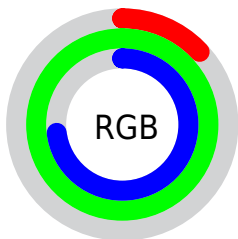
Format	Color
R <sub>Y</sub> B	32, 164, 255
Decimal	2162617
CIE Lab	89.55, -64.92, 19.79
CIE LCh	90, 67.873, 163.043
Yxy	75.3299, 0.2527, 0.4220
Android (android.graphics.Color)	4280352697 (0xFF20FFB9)
YUV	180.3430, 2.2959, -130.0968
Hunter-Lab	86.7928, -59.1077, 21.0920

# Details

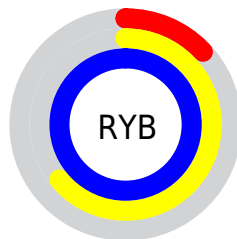
The Hex color **20FFB9** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **FF2066**, and the grayscale version is **B4B4B4**.

A 20% lighter version of the original color is **7AFFF1**, and **00C584** is the 20% darker color. If you saturate the color by 10%, you get **07FFB1**, and if you desaturate by 10%, it is **39FFC1**.

# Distribution



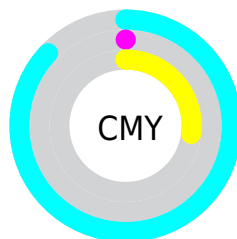
- Red (13%)
- Green (100%)
- Blue (73%)



- Red (13%)
- Yellow (64%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)



- Cyan (87%)
- Magenta (0%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 20FFB9 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 20FFB9 by changing the saturation by 10% instead.



 20FFB9

FFFFFF

 7AFFE1

 9CFFFE

 BDFEFC

 DDFFEB

 FDFECC

 20FFB9

 00E29E

 00C584

 00A96A

 008D52

 00723A

 005824

 003F0F

 002700

 000000

 20FFB9

 20FFB9

 07FFB1

 39FFC1

 00FFAF

 53FFC9

 6CFFD1

 86FFD9

 A0FFE1

 B9FFE9

 D3FFF1

 ECFFF9

FFFFFF

# Harmonies

## Analogous

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



A3F67E



20FFB9



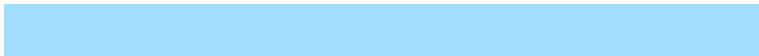
00FFFC

# Triad

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



20FFB9



A3DEFF



FFB88B

# Complementary

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



20FFB9



FF2066

# 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.



FFA9C7



20FFB9



FFC5FF

# Square

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



20FFB9



00F2FF



FFAEFF



FFD062

# Rectangle

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



20FFB9



00FFFF



FFAEFF



FFB19E

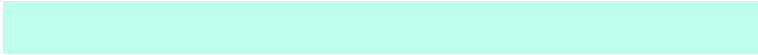


# Sweetspot

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



20FFB9



BDFFEA



67FF20



588073



000000



808080



# Same Dimension

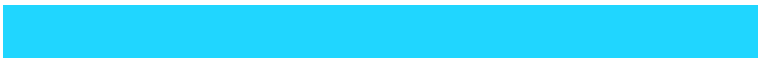
The Same Dimension uses a secret algorithm to generate beautiful new colors.



20FFB9



00FFAF



20D6FF



73807B



00BF83



00402C



# Inverse Universe

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



FF2066



FF0050



FF4920



807377



BF003C

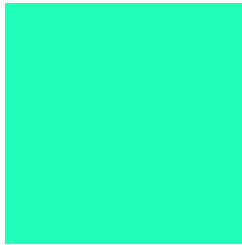


400014



# Previews

## White Background



This preview shows how the Hex color 20FFB9 looks on a white background.

## Color Contrast Check

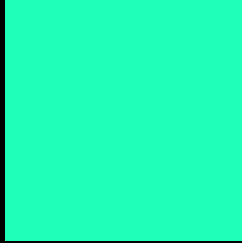
Large Text (above 18pt) WCAG AA × Fail

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 20FFB9 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

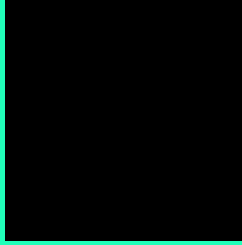
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 20FFB9 Background



This preview shows how black text looks on a background with the Hex color 20FFB9.

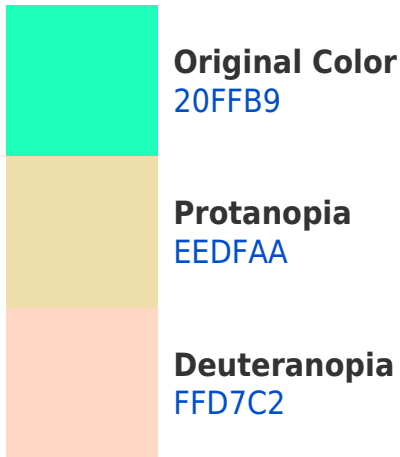


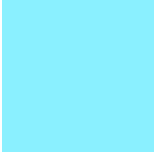
This preview shows how white text looks on a background with the Hex color 20FFB9.

# 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



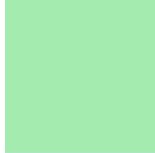


**Tritanopia**  
8AF0FF

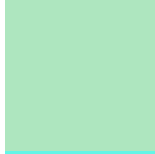
# Trichromacy



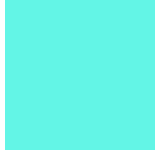
**Original Color**  
20FFB9



**Protanomaly**  
A3EBAF



**Deuteranomaly**  
AEE6BF

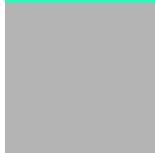


**Tritanomaly**  
63F5E6

# Monochromacy



**Original Color**  
20FFB9



**Achromatopsia**  
B4B4B4



**Achromatomaly**  
7ECFB6

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 20FFB9 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 #20FFB9 looks like.

```
.text, #text, p{  
    color:#20FFB9  
}
```

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 #20FFB9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #20FFB9
}
```

## Border

The CSS property to change the border of an element to Hex 20FFB9 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
#20FFB9 }
```

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

```
.border{ border-color:#20FFB9 }
```

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

Here you see how a box with a 4 pixel #20FFB9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #20FFB9; -webkit-box-shadow:4px 4px  
4px 4px #20FFB9; box-shadow:4px 4px 4px  
4px #20FFB9 }
```

# Background

The CSS property to change the background color of an element to Hex 20FFB9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#20FFB9 }
```

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

```
.background{ background-color:#20FFB9 }
```

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