

# Converting Colors

Hex(20B371)

Have a look what the booklet for  
Hex(20B371) contains.

<b>Hex(20B371)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(20B371)**

# Conversions

## Conversions Part 1

Format	Color
Hex	20B371
RGB	32, 179, 113
RGB Percent	13%, 70%, 44%
CMY	0.8745, 0.2980, 0.5569
CMYK	0.82, 0.00, 0.37, 0.30
HSL	153°, 70%, 41%
HSV	153°, 82%, 70%
XYZ	19.6964, 33.7395, 21.0971
YIQ	127.5230, -66.4260, -51.6900

# Conversions

## Conversions Part 2

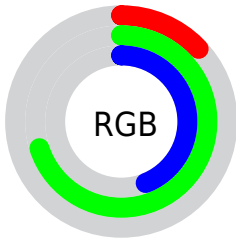
Format	Color
<a href="#">RYB</a>	<a href="#">32, 127, 179</a>
Decimal	<a href="#">2143089</a>
CIELab	<a href="#">64.76, -52.20, 23.50</a>
CIELCh	<a href="#">65, 57.247, 155.761</a>
Yxy	<a href="#">33.7395, 0.2643, 0.4527</a>
Android (android.graphics.Color)	<a href="#">4280333169</a> ( <a href="#">0xFF20B371</a> )
YUV	<a href="#">127.5230, -7.1598, -83.7737</a>
Hunter-Lab	<a href="#">58.0857, -41.1221, 19.1256</a>

# Details

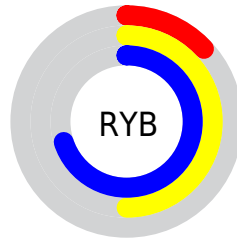
The Hex color **20B371** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **B32062**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **68ECA5**, and **007D40** is the 20% darker color. If you saturate the color by 10%, you get **0EB369**, and if you desaturate by 10%, it is **32B379**.

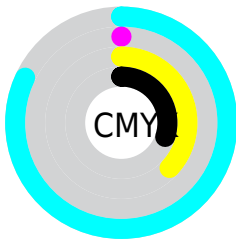
# Distribution



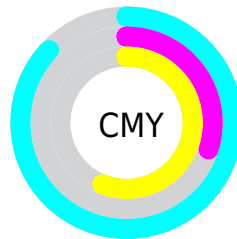
- Red (13%)
- Green (70%)
- Blue (44%)



- Red (13%)
- Yellow (50%)
- Blue (70%)



- Cyan (82%)
- Magenta (0%)
- Yellow (37%)
- Black (30%)



- Cyan (87%)
- Magenta (30%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 20B371 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 20B371 by changing the saturation by 10% instead.



 20B371

 20B371

FFFFFF

 009858

 68ECA5

 007D40

 86FFC1

 006329

 A4FFDD

 004A13

 C1FFF9

 003200

 DFFFFF

 001900

FEFFFF

 000000

 20B371

 20B371

 0EB369

 32B379

■ 00B363

■ 44B381

■ 56B389

■ 68B391

■ 7AB399

■ 8BB3A1

■ 9DB3A9

■ AFB3B1

■ C1B3B9

# Harmonies

## Analogous

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



7AAB45



20B371



00B6A6

# Triad

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



20B371



46A0FF



F57864

# Complementary

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



20B371



B32062

# 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.



FA6E95



20B371



AD8BF1

# Square

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



20B371



00AEFA



E377C8



DA8B3E

# Rectangle

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



20B371



00B6C8



E377C8



FA7374



# Sweetspot

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



20B371



AEE8CE



62B320



527566



F5F5F5



757575



# Same Dimension

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



20B371



02E881



20ACB3



505955



009954



001A0E



# Inverse Universe

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



B32062



E80269



B32720



595054



990045



1A000B



# Previews

## White Background



This preview shows how the Hex color 20B371 looks on a white background.

## Color Contrast Check

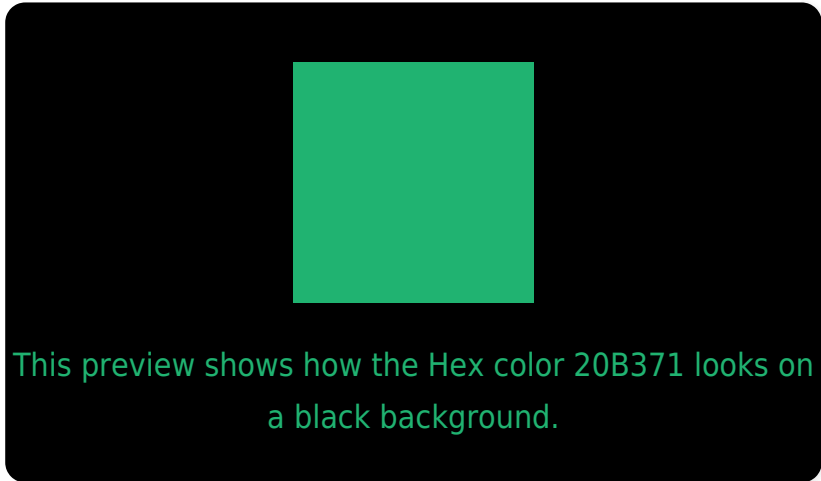
Large Text (above 18pt) WCAG AA × Fail

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 20B371 Background



This preview shows how black text looks on a background with the Hex color 20B371.

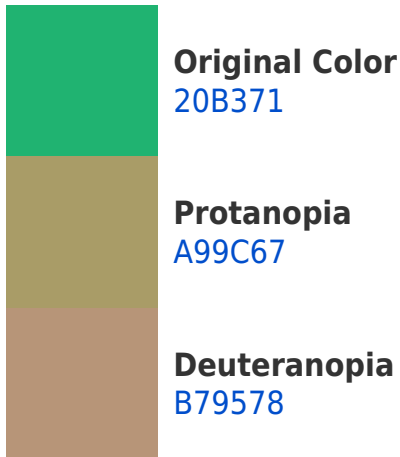


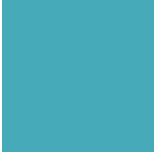
This preview shows how white text looks on a background with the Hex color 20B371.

# 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**  
46AAB8

# Trichromacy



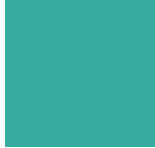
**Original Color**  
20B371



**Protanomaly**  
77A46B



**Deuteranomaly**  
80A075



**Tritanomaly**  
38AD9E

# Monochromacy



**Original Color**  
20B371



**Achromatopsia**  
808080



**Achromatomaly**  
5D937B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 20B371 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 #20B371 looks like.

```
.text, #text, p{  
    color:#20B371  
}
```

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 #20B371 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #20B371
}
```

## Border

The CSS property to change the border of an element to Hex 20B371 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
#20B371 }
```

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

```
.border{ border-color:#20B371 }
```

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

Here you see how a box with a 4 pixel #20B371 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #20B371; -webkit-box-shadow:4px 4px  
4px 4px #20B371; box-shadow:4px 4px 4px  
4px #20B371 }
```

# Background

The CSS property to change the background color of an element to Hex 20B371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#20B371 }
```

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

```
.background{ background-color:#20B371 }
```

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