

# Converting Colors

Hex(21AB72)

Have a look what the booklet for  
Hex(21AB72) contains.

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**Color**

**Hex(21AB72)**

# Conversions

## Conversions Part 1

Format	Color
Hex	21AB72
RGB	33, 171, 114
RGB Percent	13%, 67%, 45%
CMY	0.8706, 0.3294, 0.5529
CMYK	0.81, 0.00, 0.33, 0.33
HSL	155°, 68%, 40%
HSV	155°, 81%, 67%
XYZ	18.2274, 30.6641, 20.8777
YIQ	123.2400, -63.9510, -46.9830

# Conversions

## Conversions Part 2

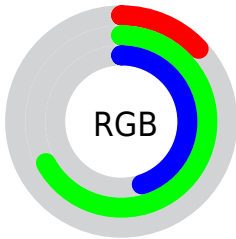
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 120, 171
Decimal	2206578
CIELab	62.22, -48.83, 19.54
CIElCh	62, 52.596, 158.193
Yxy	30.6641, 0.2613, 0.4395
Android (android.graphics.Color)	4280396658 (0xFF21AB72)
YUV	123.2400, -4.5553, -79.1405
Hunter-Lab	55.3751, -38.1511, 16.4089

# Details

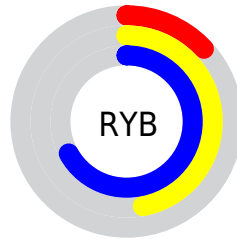
The Hex color **21AB72** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **AB215A**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **66E3A6**, and **007542** is the 20% darker color. If you saturate the color by 10%, you get **10AB6B**, and if you desaturate by 10%, it is **32AB79**.

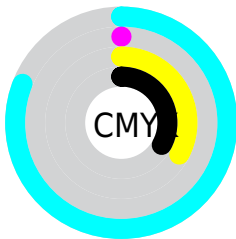
# Distribution



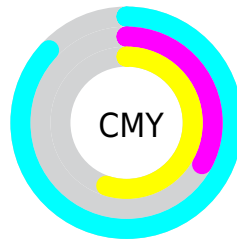
- Red (13%)
- Green (67%)
- Blue (45%)



- Red (13%)
- Yellow (47%)
- Blue (67%)



- Cyan (81%)
- Magenta (0%)
- Yellow (33%)
- Black (33%)



- Cyan (87%)
- Magenta (33%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 21AB72 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 21AB72 by changing the saturation by 10% instead.



 21AB72

 21AB72

FFFFFF

 009059

 66E3A6

 007542

 84FFC1

 005C2B

 A1FFDD

 004315

 BFFFFA

 002D00

 DDFFFF

 000F00

 FBFFFF

 000000

 21AB72

 21AB72

 10AB6B

 32AB79

 00AB64

 43AB80

 54AB87

 65AB8E

 77AB95

 88AB9C

 99ABA3

 AAABAB

 BBABB2

# Harmonies

## Analogous

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



72A449



21AB72



00AEA2

# Triad

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



21AB72



5797F3



E6765F

# Complementary

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



21AB72



AB215A

# 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.



EC6D8B



21AB72



AA85E0

# Square

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



21AB72



00A5EC



D973BA



CC883E

# Rectangle

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



21AB72



00ADC1



D973BA



EB726D



# Sweetspot

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



21AB72



A9DEC8



5AAB21



507063



F0F0F0



707070



# Same Dimension

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



21AB72



07DE85



21A0AB



4E5753



009658



00170D



# Inverse Universe

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



AB215A



DE0760



AB2D21



574E52



96003E



170009



# Previews

## White Background



This preview shows how the Hex color 21AB72 looks on a white background.

## Color Contrast Check

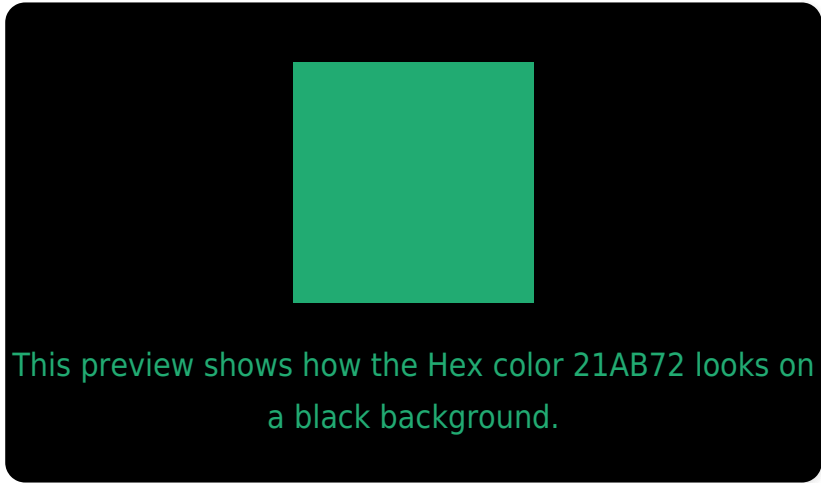
Large Text (above 18pt) WCAG AA × Fail

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

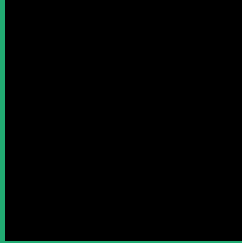
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 21AB72 Background



This preview shows how black text looks on a background with the Hex color 21AB72.

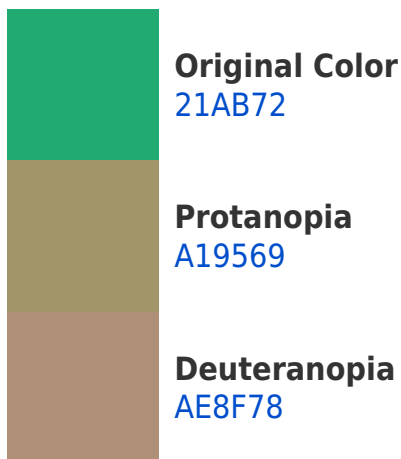


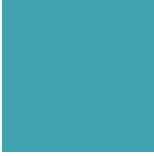
This preview shows how white text looks on a background with the Hex color 21AB72.

# 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



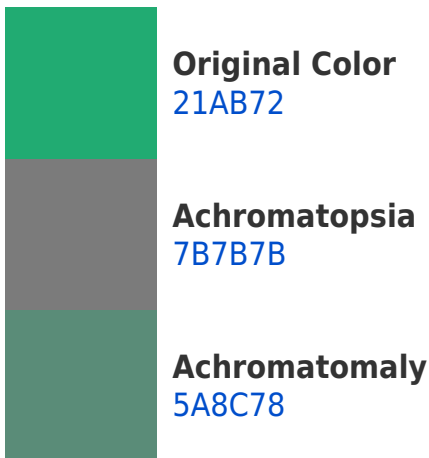


**Tritanopia**  
42A3B0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 21AB72 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 #21AB72 looks like.

```
.text, #text, p{  
    color:#21AB72  
}
```

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 #21AB72 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21AB72
}
```

## Border

The CSS property to change the border of an element to Hex 21AB72 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
#21AB72 }
```

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

```
.border{ border-color:#21AB72 }
```

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

Here you see how a box with a 4 pixel #21AB72 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21AB72; -webkit-box-shadow:4px 4px  
4px 4px #21AB72; box-shadow:4px 4px 4px  
4px #21AB72 }
```

# Background

The CSS property to change the background color of an element to Hex 21AB72 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21AB72 }
```

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

```
.background{ background-color:#21AB72 }
```

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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