

# Converting Colors

Hex(24BFAE)

Have a look what the booklet for  
Hex(24BFAE) contains.

<b>Hex(24BFAE)</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(24BFAE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	24BFAE
RGB	36, 191, 174
RGB Percent	14%, 75%, 68%
CMY	0.8588, 0.2510, 0.3176
CMYK	0.81, 0.00, 0.09, 0.25
HSL	173°, 68%, 45%
HSV	173°, 81%, 75%
XYZ	26.9983, 40.6927, 46.4759
YIQ	142.7170, -86.9230, -38.1470

# Conversions

## Conversions Part 2

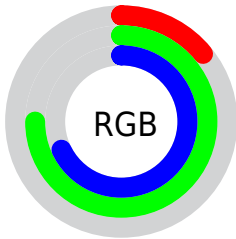
Format	Color
<a href="#">RYB</a>	<a href="#">36, 118, 191</a>
Decimal	<a href="#">2408366</a>
CIELab	<a href="#">69.96, -41.84, -2.38</a>
CIElCh	<a href="#">70, 41.908, 183.255</a>
Yxy	<a href="#">40.6927, 0.2365, 0.3564</a>
Android (android.graphics.Color)	<a href="#">4280598446 (0xFF24BFAE)</a>
YUV	<a href="#">142.7170, 15.4225, -93.5908</a>
Hunter-Lab	<a href="#">63.7908, -36.0869, 1.4568</a>

# Details

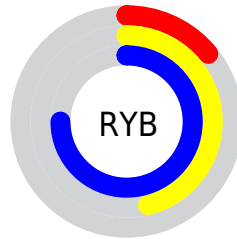
The Hex color **24BFAE** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **BF2435**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **6FF8E5**, and **00897A** is the 20% darker color. If you saturate the color by 10%, you get **11BFAC**, and if you desaturate by 10%, it is **37BFB0**.

# Distribution



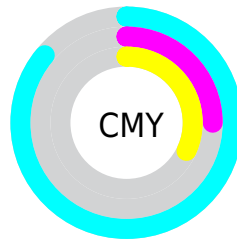
- Red (14%)
- Green (75%)
- Blue (68%)



- Red (14%)
- Yellow (46%)
- Blue (75%)



- Cyan (81%)
- Magenta (0%)
- Yellow (9%)
- Black (25%)



- Cyan (86%)
- Magenta (25%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 24BFAE 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 24BFAE by changing the saturation by 10% instead.



 24BFAE

 24BFAE


FFFFFF

 00A393

 6FF8E5

 00897A

 8EFFFF

 006F61

 ACFFFF

 005549

 CBFFFF

 003D33

 E9FFFF

 00281E

 000006

 000000

 24BFAE

 24BFAE

■ 11BFAC

■ 37BFB0

■ 00BFAA

■ 4ABFB2

■ 5DBFB4

■ 70BFB6

■ 84BFB8

■ 97BFBB

■ AABFBD

■ BDBFBF

■ D0BFC1

# Harmonies

## Analogous

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



68BC87



24BFAE



00BED3

# Triad

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



24BFAE



B4A0EB



DF9D68

# Complementary

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



24BFAE



BF2435

# 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.



F29183



24BFAE



DE92CE

# Square

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



24BFAE



78ADF7



F28CA8



BFAA5E

# Rectangle

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



24BFAE



00BAE7



F28CA8



E7986F



# Sweetspot

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



24BFAE



BCF7F1



36BF24



597D79



FCFCFC



7D7D7D



# Same Dimension

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



24BFAE



07F7DD



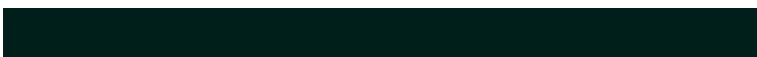
2484BF



555E5D



009E8D



001F1B



# Inverse Universe

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



BF2435



F70722



BF5F24



5E5556



9E0011

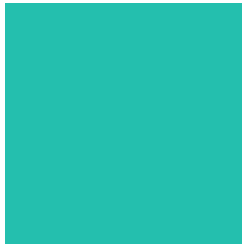


1F0003



# Previews

## White Background



This preview shows how the Hex color 24BFAE looks on a white background.

## Color Contrast Check

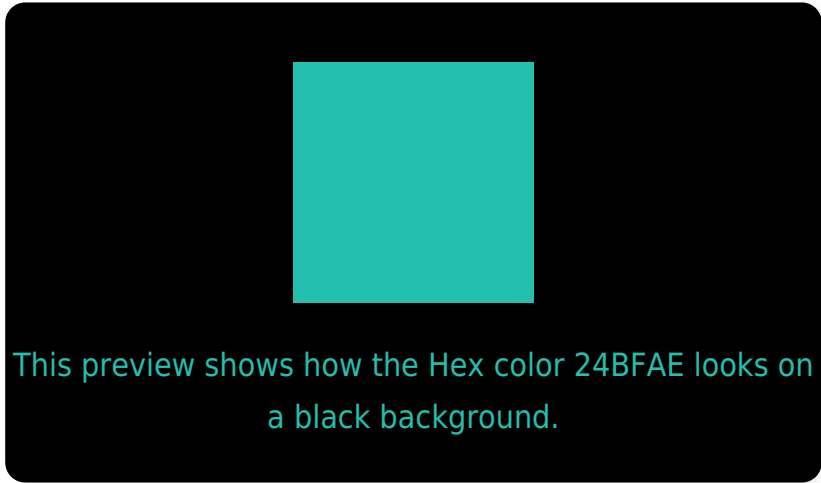
Large Text (above 18pt) WCAG AA × Fail

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

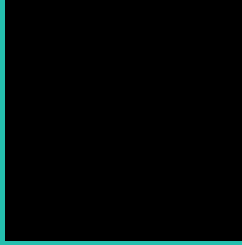
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

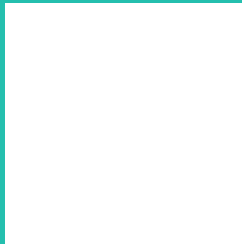
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 24BFAE Background



This preview shows how black text looks on a background with the Hex color 24BFAE.

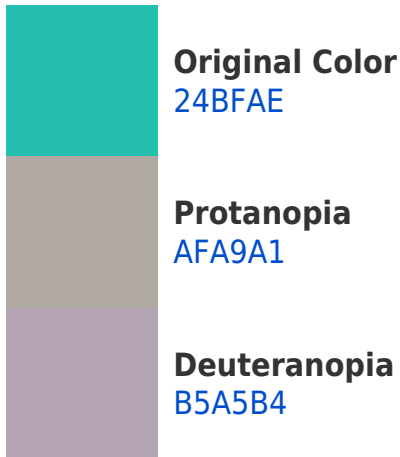


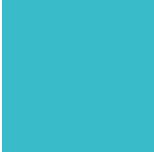
This preview shows how white text looks on a background with the Hex color 24BFAE.

# 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





# Trichromacy



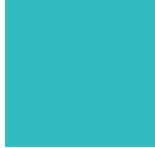
**Original Color**  
24BFAE



**Protanomaly**  
7CB1A6



**Deuteranomaly**  
80AEB2



**Tritanomaly**  
32BCC0

# Monochromacy



**Original Color**  
24BFAE



**Achromatopsia**  
8F8F8F



**Achromatomaly**  
68A09A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 24BFAE 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 #24BFAE looks like.

```
.text, #text, p{  
    color:#24BFAE  
}
```

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 #24BFAE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #24BFAE
}
```

## Border

The CSS property to change the border of an element to Hex 24BFAE 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
#24BFAE }
```

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

```
.border{ border-color:#24BFAE }
```

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

Here you see how a box with a 4 pixel #24BFAE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #24BFAE; -webkit-box-shadow:4px 4px  
4px 4px #24BFAE; box-shadow:4px 4px 4px  
4px #24BFAE }
```

# Background

The CSS property to change the background color of an element to Hex 24BFAE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#24BFAE }
```

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

```
.background{ background-color:#24BFAE }
```

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