

# Converting Colors

Hex(23AE88)

Have a look what the booklet for  
Hex(23AE88) contains.

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# Color

**Hex(23AE88)**

# Conversions

## Conversions Part 1

Format	Color
Hex	23AE88
RGB	35, 174, 136
RGB Percent	14%, 68%, 53%
CMY	0.8627, 0.3176, 0.4667
CMYK	0.80, 0.00, 0.22, 0.32
HSL	164°, 67%, 41%
HSV	164°, 80%, 68%
XYZ	20.2731, 32.4070, 28.4792
YIQ	128.1070, -70.6460, -41.2860

# Conversions

## Conversions Part 2

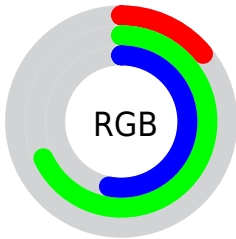
Format	Color
<a href="#">RYB</a>	<a href="#">35, 116, 174</a>
Decimal	<a href="#">2338440</a>
CIELab	<a href="#">63.68, -44.70, 9.47</a>
CIELCh	<a href="#">64, 45.689, 168.036</a>
Yxy	<a href="#">32.4070, 0.2498, 0.3993</a>
Android (android.graphics.Color)	<a href="#">4280528520 (0xFF23AE88)</a>
YUV	<a href="#">128.1070, 3.8912, -81.6548</a>
Hunter-Lab	<a href="#">56.9271, -36.0544, 10.1877</a>

# Details

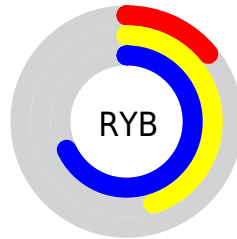
The Hex color **23AE88** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **AE2349**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **68E6BD**, and **007856** is the 20% darker color. If you saturate the color by 10%, you get **12AE83**, and if you desaturate by 10%, it is **34AE8D**.

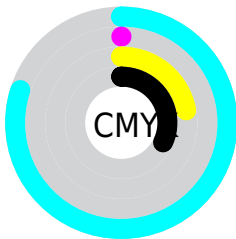
# Distribution



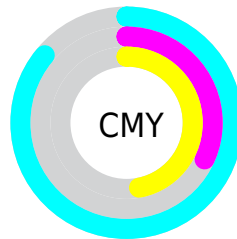
- Red (14%)
- Green (68%)
- Blue (53%)



- Red (14%)
- Yellow (45%)
- Blue (68%)



- Cyan (80%)
- Magenta (0%)
- Yellow (22%)
- Black (32%)



- Cyan (86%)
- Magenta (32%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 23AE88 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 23AE88 by changing the saturation by 10% instead.





23AE88



23AE88

FFFFFF



00936F



68E6BD



007856



86FFD9



005F3F



A4FFF6



004629



C2FFFF



002F14



E0FFFF



001500

FEFFFF



000000



23AE88



23AE88



12AE83



34AE8D

00AE7E

46AE92

57AE96

69AE9B

7AAEA0

8BAEA5

9DAEA9

AEAEAE

C0AEB3

# Harmonies

## Analogous

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



6CA962



23AE88



00AFB2

# Triad

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



23AE88



8396E8



DC835F

# Complementary

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



23AE88



AE2349

# 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.



E77983



23AE88



BC86D1

# Square

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



23AE88



1AA3E9



DE7AAC



C19249

# Rectangle

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



23AE88



00ADCB



DE7AAC



E27F6A



# Sweetspot

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



23AE88



ACE3D4



4AAE23



51736A



F2F2F2



737373



# Same Dimension

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



23AE88



09E3A7



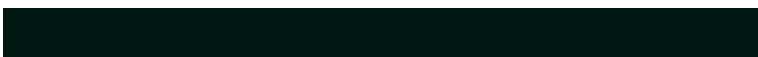
2390AE



4E5754



00966D



001711



# Inverse Universe

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



AE2349



E30945



AE4123



574E50



960029

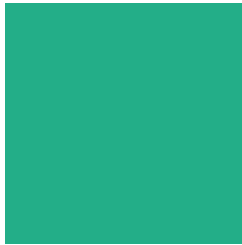


170006



# Previews

## White Background



This preview shows how the Hex color 23AE88 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 23AE88 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

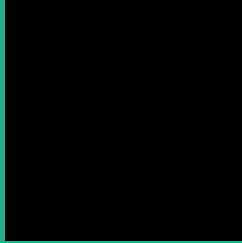
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 23AE88 Background



This preview shows how black text looks on a background with the Hex color 23AE88.

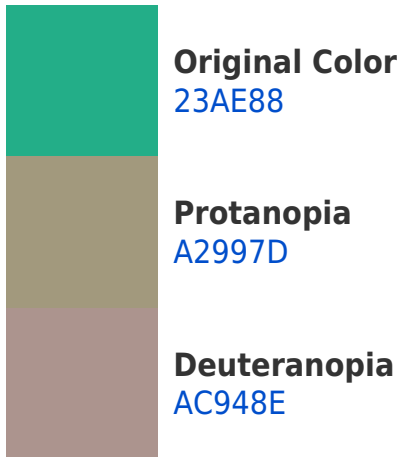


This preview shows how white text looks on a background with the Hex color 23AE88.

# 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](#).

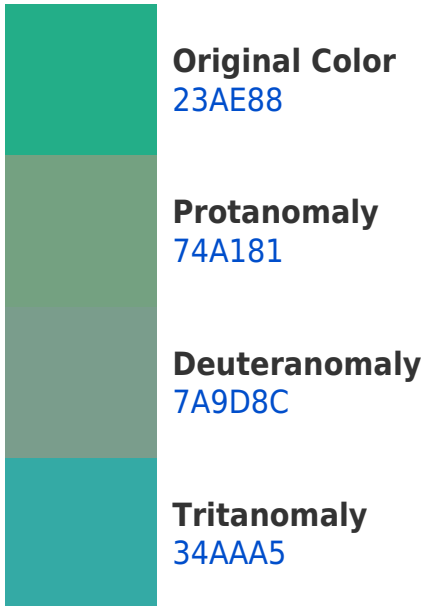
## Dichromacy



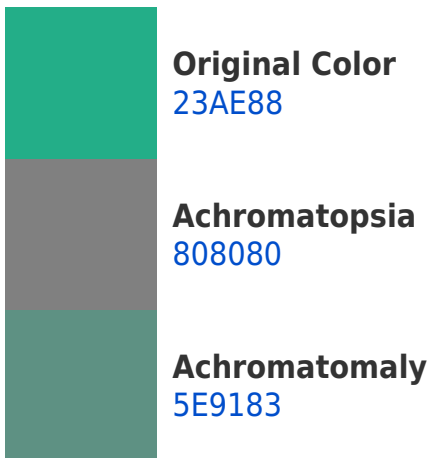


**Tritanopia**  
3EA8B5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 23AE88 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 #23AE88 looks like.

```
.text, #text, p{  
    color:#23AE88  
}
```

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 #23AE88 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #23AE88
}
```

## Border

The CSS property to change the border of an element to Hex 23AE88 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
#23AE88 }
```

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

```
.border{ border-color:#23AE88 }
```

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

Here you see how a box with a 4 pixel #23AE88 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #23AE88; -webkit-box-shadow:4px 4px  
4px 4px #23AE88; box-shadow:4px 4px 4px  
4px #23AE88 }
```

# Background

The CSS property to change the background color of an element to Hex 23AE88 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#23AE88 }
```

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

```
.background{ background-color:#23AE88 }
```

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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