

# Converting Colors

Hex(22AD86)

Have a look what the booklet for  
Hex(22AD86) contains.

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**Color**

**Hex(22AD86)**

# Conversions

## Conversions Part 1

Format	Color
Hex	22AD86
RGB	34, 173, 134
RGB Percent	13%, 68%, 53%
CMY	0.8667, 0.3216, 0.4745
CMYK	0.80, 0.00, 0.23, 0.32
HSL	163°, 67%, 41%
HSV	163°, 80%, 68%
XYZ	19.9063, 31.9485, 27.6718
YIQ	126.9930, -70.3250, -41.5970

# Conversions

## Conversions Part 2

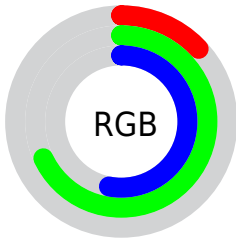
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 115, 173
Decimal	2272646
CIELab	63.30, -44.88, 10.04
CIELCh	63, 45.991, 167.390
Yxy	31.9485, 0.2503, 0.4017
Android (android.graphics.Color)	4280462726 (0xFF22AD86)
YUV	126.9930, 3.4545, -81.5549
Hunter-Lab	56.5230, -36.0508, 10.5397

# Details

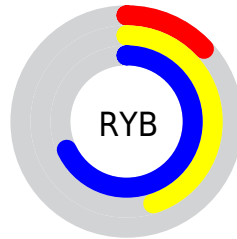
The Hex color **22AD86** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **AD2249**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **68E5BB**, and **007754** is the 20% darker color. If you saturate the color by 10%, you get **11AD81**, and if you desaturate by 10%, it is **33AD8B**.

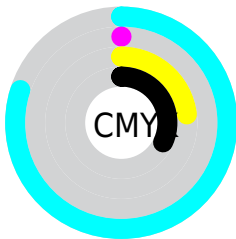
# Distribution



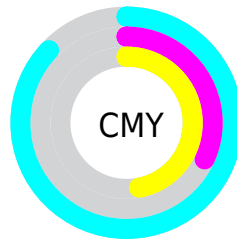
- Red (13%)
- Green (68%)
- Blue (53%)



- Red (13%)
- Yellow (45%)
- Blue (68%)



- Cyan (80%)
- Magenta (0%)
- Yellow (23%)
- Black (32%)



- Cyan (87%)
- Magenta (32%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 22AD86 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 22AD86 by changing the saturation by 10% instead.



 22AD86

 22AD86

FFFFFF

 00926D

 68E5BB

 007754

 86FFD7

 005E3D

 A3FFF3

 004527

 C1FFFF

 002E13

 DFFFFFF

 001400

FDFFFF

 000000

 22AD86

 22AD86

 11AD81

 33AD8B

 00AD7C

 45AD90

 56AD95

 67AD99

 78AD9E

 8AADA3

 9BADA8

 ACADAD

 BEADB2

# Harmonies

## Analogous

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



6CA860



22AD86



00AEB0

# Triad

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



22AD86



8095E7



DC825F

# Complementary

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



22AD86



AD2249

# 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.



E77883



22AD86



BB85D1

# Square

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



22AD86



08A3E9



DC79AC



C09148

# Rectangle

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



22AD86



00ACCA



DC79AC



E17E6A



# Sweetspot

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



22AD86



ABE0D1



49AD22



507067



F0F0F0



707070



# Same Dimension

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



22AD86



09E0A4



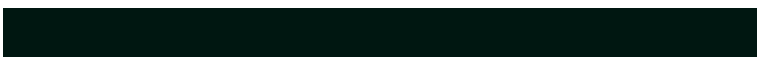
228FAD



4E5754



00966C



001711



# Inverse Universe

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



AD2249



E00945



AD4022



574E50



96002A

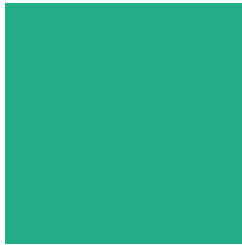


170006



# Previews

## White Background



This preview shows how the Hex color 22AD86 looks on a white background.

## Color Contrast Check

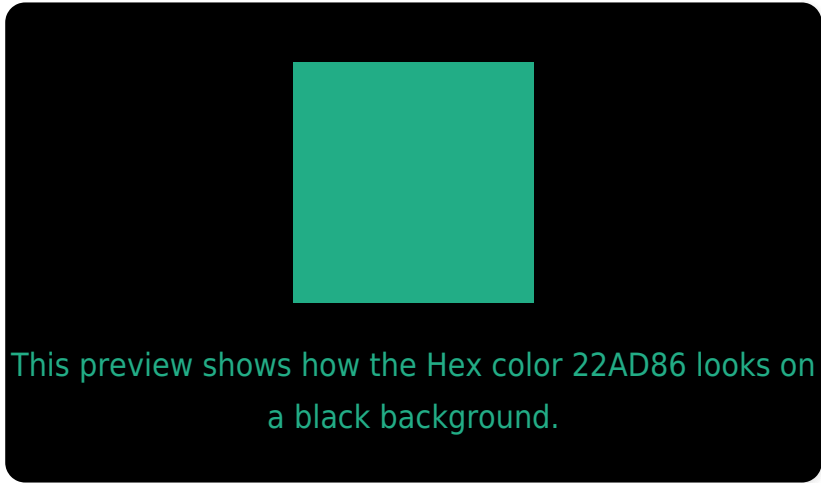
Large Text (above 18pt) WCAG AA × Fail

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

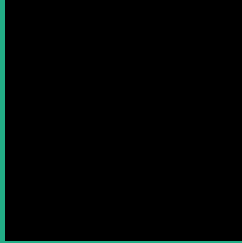
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 22AD86 Background



This preview shows how black text looks on a background with the Hex color 22AD86.

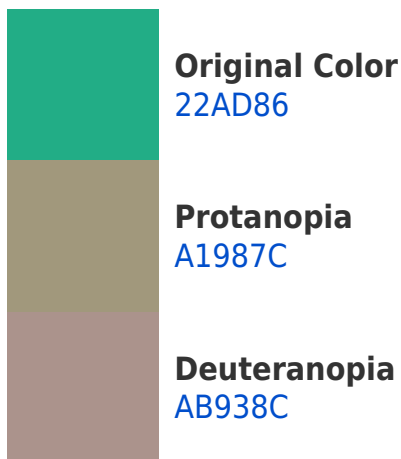


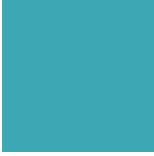
This preview shows how white text looks on a background with the Hex color 22AD86.

# 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**  
3EA7B4

# Trichromacy



**Original Color**  
22AD86



**Protanomaly**  
73A080



**Deuteranomaly**  
799C8A



**Tritanomaly**  
34A9A3

# Monochromacy



**Original Color**  
22AD86



**Achromatopsia**  
7F7F7F



**Achromatomaly**  
5D9082

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 22AD86 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 #22AD86 looks like.

```
.text, #text, p{  
    color:#22AD86  
}
```

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 #22AD86 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22AD86
}
```

## Border

The CSS property to change the border of an element to Hex 22AD86 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
#22AD86 }
```

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

```
.border{ border-color:#22AD86 }
```

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

Here you see how a box with a 4 pixel #22AD86 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #22AD86; -webkit-box-shadow:4px 4px  
4px 4px #22AD86; box-shadow:4px 4px 4px  
4px #22AD86 }
```

# Background

The CSS property to change the background color of an element to Hex 22AD86 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22AD86 }
```

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

```
.background{ background-color:#22AD86 }
```

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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