

# Converting Colors

Hex(2AA586)

Have a look what the booklet for  
Hex(2AA586) contains.

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# Color

Hex(2AA586)

# Conversions

## Conversions Part 1

Format	Color
Hex	2AA586
RGB	42, 165, 134
RGB Percent	16%, 65%, 53%
CMY	0.8353, 0.3529, 0.4745
CMYK	0.75, 0.00, 0.19, 0.35
HSL	165°, 59%, 41%
HSV	165°, 75%, 65%
XYZ	18.7131, 29.1237, 27.1894
YIQ	124.6890, -63.3570, -35.7170

# Conversions

## Conversions Part 2

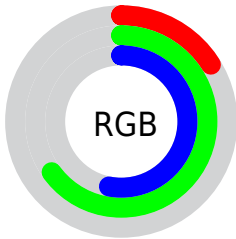
<b>Format</b>	<b>Color</b>
<b>RYB</b>	42, 112, 165
Decimal	2794886
CIELab	60.89, -40.55, 6.63
CIELCh	61, 41.089, 170.719
Yxy	29.1237, 0.2494, 0.3882
Android (android.graphics.Color)	4280984966 (0xFF2AA586)
YUV	124.6890, 4.5903, -72.5183
Hunter-Lab	53.9664, -32.5457, 7.9049

# Details

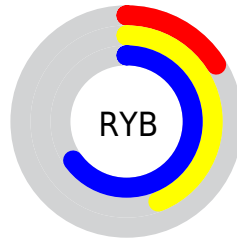
The Hex color **2AA586** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **A52A49**, and the grayscale version is **7D7D7D**.

A 20% lighter version of the original color is **6ADDDB**, and **007054** is the 20% darker color. If you saturate the color by 10%, you get **19A582**, and if you desaturate by 10%, it is **3AA58A**.

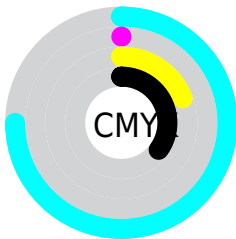
# Distribution



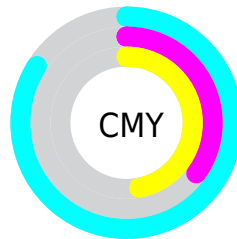
- Red (16%)
- Green (65%)
- Blue (53%)



- Red (16%)
- Yellow (44%)
- Blue (65%)



- Cyan (75%)
- Magenta (0%)
- Yellow (19%)
- Black (35%)



- Cyan (84%)
- Magenta (35%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2AA586 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 2AA586 by changing the saturation by 10% instead.



 2AA586

 2AA586

FFFFFF

 008A6D

 6ADDDB

 007054

 88FAD7

 00573D

 A5FFF3

 003F28

 C2FFFF

 002913

 E0FFFF

 000600

FEFFFF

 000000

 2AA586

 2AA586

 19A582

 3AA58A

■ 09A57E

■ 4BA58E

■ 00A57B

■ 5BA592

■ 6CA597

■ 7CA59B

■ 8DA59F

■ 9DA5A3

■ AEA5A7

■ BEA5AB

# Harmonies

## Analogous

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



66A163



2AA586



00A6AB

# Triad

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



2AA586



858ED7



CD805C

# Complementary

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



2AA586



A52A49

# 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.



D8777B



2AA586



B580C1

# Square

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



2AA586



3C9ADA



D176A0



B38D4A

# Rectangle

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



2AA586



00A4C1



D176A0



D27C65



# Sweetspot

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



2AA586



A7D6CA



4BA52A



4F6B64



EBEBEB



6B6B6B

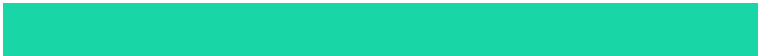


# Same Dimension

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



2AA586



18D6A6



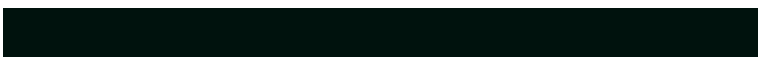
2A88A5



495250



00916D



00120D



# Inverse Universe

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



A52A49



D61848



A5472A



52494B



910025

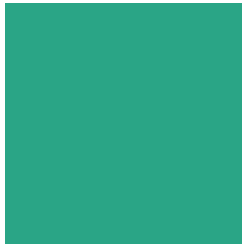


120004



# Previews

## White Background



This preview shows how the Hex color 2AA586 looks on a white background.

## Color Contrast Check

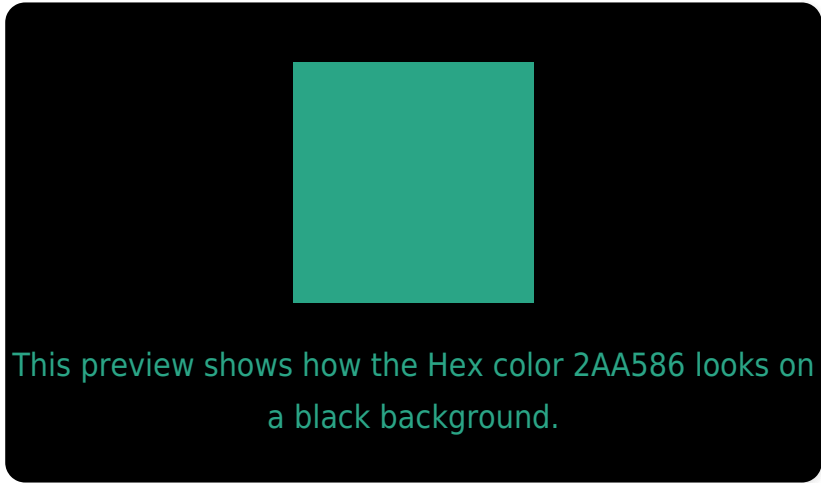
Large Text (above 18pt) WCAG AA ✓ Pass

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

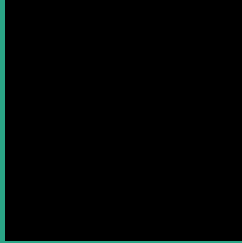
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2AA586 Background



This preview shows how black text looks on a background with the Hex color 2AA586.

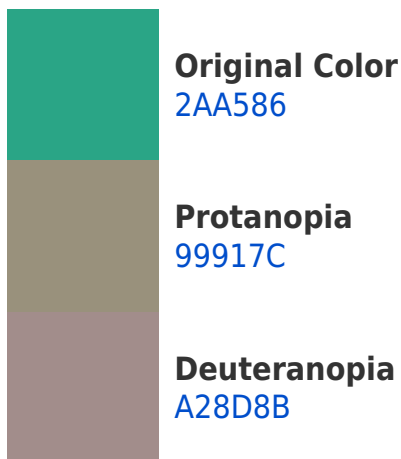


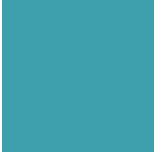
This preview shows how white text looks on a background with the Hex color 2AA586.

# 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**  
3FA0AD

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2AA586 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 #2AA586 looks like.

```
.text, #text, p{  
    color:#2AA586  
}
```

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 #2AA586 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2AA586
}
```

## Border

The CSS property to change the border of an element to Hex 2AA586 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
#2AA586 }
```

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

```
.border{ border-color:#2AA586 }
```

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

Here you see how a box with a 4 pixel #2AA586 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2AA586; -webkit-box-shadow:4px 4px  
4px 4px #2AA586; box-shadow:4px 4px 4px  
4px #2AA586 }
```

# Background

The CSS property to change the background color of an element to Hex 2AA586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2AA586 }
```

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

```
.background{ background-color:#2AA586 }
```

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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