

# Converting Colors

Hex(1AE584)

Have a look what the booklet for  
Hex(1AE584) contains.

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**Color**

**Hex(1AE584)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1AE584
RGB	26, 229, 132
RGB Percent	10%, 90%, 52%
CMY	0.8980, 0.1020, 0.4824
CMYK	0.89, 0.00, 0.42, 0.10
HSL	151°, 80%, 50%
HSV	151°, 89%, 90%
XYZ	32.6102, 57.9242, 31.2915
YIQ	157.2450, -89.8510, -73.2030

# Conversions

## Conversions Part 2

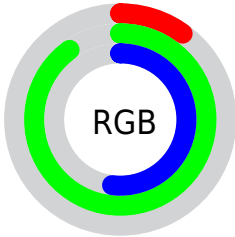
Format	Color
R <sub>Y</sub> B	26, 159, 229
Decimal	1762692
CIE Lab	80.70, -66.76, 34.74
CIE LCh	81, 75.259, 152.513
Yxy	57.9242, 0.2677, 0.4755
Android (android.graphics.Color)	4279952772 (0xFF1AE584)
YUV	157.2450, -12.4458, -115.1019
Hunter-Lab	76.1079, -56.7065, 28.8986

# Details

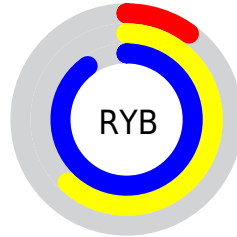
The Hex color **1AE584** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **E51A7B**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **72FFBA**, and **00AC51** is the 20% darker color. If you saturate the color by 10%, you get **03E579**, and if you desaturate by 10%, it is **31E58F**.

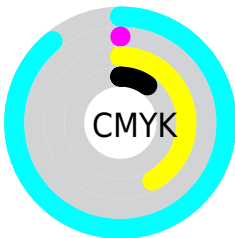
# Distribution



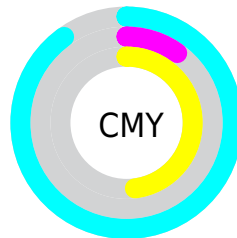
- Red (10%)
- Green (90%)
- Blue (52%)



- Red (10%)
- Yellow (62%)
- Blue (90%)



- Cyan (89%)
- Magenta (0%)
- Yellow (42%)
- Black (10%)



- Cyan (90%)
- Magenta (10%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1AE584 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 1AE584 by changing the saturation by 10% instead.



 1AE584

 1AE584


FFFFFF

 00C86A

 72FFBA

 00AC51

 93FFD6

 009038

 B2FFF3

 007520

 D2FFFF

 005B05

 F1FFFF

 004200

 002A00

 000500

 000000

 1AE584

 1AE584

 03E579

 31E58F

 00E578

 48E59A

 5FE5A5

 76E5B0

 8CE5BB

 A3E5C6

 BAE5D1

 D1E5DC

 E8E5E6

# Harmonies

## Analogous

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



9FDA47



1AE584



00EACC

# Triad

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



1AE584



00CEFF



FF9181

# Complementary

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



1AE584



E51A7B

# 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.



FF85C5



1AE584



D1B3FF

# Square

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



1AE584



00E0FF



FF95FF



FFAC48

# Rectangle

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



1AE584



00EAFC



FF95FF



FF8A97

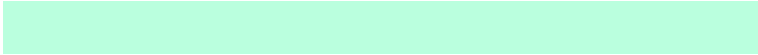


# Sweetspot

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



1AE584



BAFFDE



7CE51A



57806C



000000



808080



# Same Dimension

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



1AE584



00FF85



1AE2E5



67736D



00B35D



00331B



# Inverse Universe

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



E51A7B



FF007A



E51D1A



73676D



B30055



330018



# Previews

## White Background



This preview shows how the Hex color 1AE584 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 1AE584 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

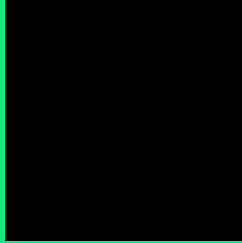
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 1AE584 Background



This preview shows how black text looks on a background with the Hex color 1AE584.

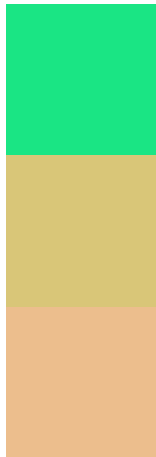


This preview shows how white text looks on a background with the Hex color 1AE584.

# 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](#).

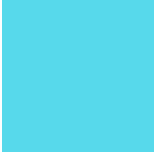
## Dichromacy



**Original Color**  
1AE584

**Protanopia**  
D9C678

**Deuteranopia**  
ECBE8D



**Tritanopia**  
57D9EB

# Trichromacy



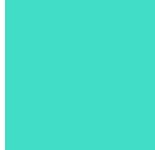
**Original Color**  
1AE584



**Protanomaly**  
94D17C



**Deuteranomaly**  
A0CC8A



**Tritanomaly**  
41DDC6

# Monochromacy



**Original Color**  
1AE584



**Achromatopsia**  
9D9D9D



**Achromatomaly**  
6DB794

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1AE584 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 #1AE584 looks like.

```
.text, #text, p{  
    color:#1AE584  
}
```

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 #1AE584 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1AE584
}
```

## Border

The CSS property to change the border of an element to Hex 1AE584 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
#1AE584 }
```

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

```
.border{ border-color:#1AE584 }
```

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

Here you see how a box with a 4 pixel #1AE584 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1AE584; -webkit-box-shadow:4px 4px  
4px 4px #1AE584; box-shadow:4px 4px 4px  
4px #1AE584 }
```

# Background

The CSS property to change the background color of an element to Hex 1AE584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1AE584 }
```

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

```
.background{ background-color:#1AE584 }
```

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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