

# Converting Colors

Hex(2AE472)

Have a look what the booklet for  
Hex(2AE472) contains.

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# Color

Hex(2AE472)

# Conversions

## Conversions Part 1

Format	Color
Hex	2AE472
RGB	42, 228, 114
RGB Percent	16%, 89%, 45%
CMY	0.8353, 0.1059, 0.5529
CMYK	0.82, 0.00, 0.50, 0.11
HSL	143°, 78%, 53%
HSV	143°, 82%, 89%
XYZ	31.7355, 57.1940, 25.2865
YIQ	159.3900, -74.2620, -74.8860

# Conversions

## Conversions Part 2

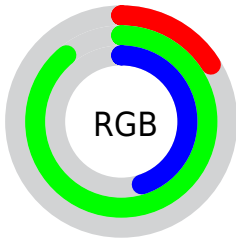
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">42, 176, 228</a>
Decimal	<a href="#">2810994</a>
CIELab	<a href="#">80.29, -68.16, 43.08</a>
CIELCh	<a href="#">80, 80.635, 147.706</a>
Yxy	<a href="#">57.1940, 0.2779, 0.5008</a>
Android (android.graphics.Color)	<a href="#">4281001074 (0xFF2AE472)</a>
YUV	<a href="#">159.3900, -22.3773, -102.9510</a>
Hunter-Lab	<a href="#">75.6267, -57.4421, 33.1145</a>

# Details

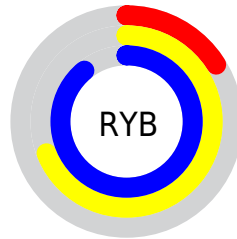
The Hex color **2AE472** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **E42A9C**, and the grayscale version is **A0A0A0**.

A 20% lighter version of the original color is **78FFA8**, and **00AB3F** is the 20% darker color. If you saturate the color by 10%, you get **13E464**, and if you desaturate by 10%, it is **41E480**.

# Distribution



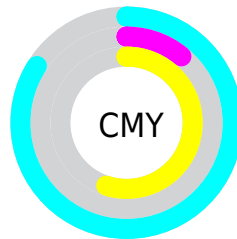
- Red (16%)
- Green (89%)
- Blue (45%)



- Red (16%)
- Yellow (69%)
- Blue (89%)



- Cyan (82%)
- Magenta (0%)
- Yellow (50%)
- Black (11%)



- Cyan (84%)
- Magenta (11%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2AE472 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 2AE472 by changing the saturation by 10% instead.



 2AE472

 2AE472

FFFFFF

 00C758

 78FFA8

 00AB3F

 98FFC4

 008F25

 B8FFE0

 007405

 D7FFFD

 005A00

 F6FFFF

 004100

 002900

 000200

 000000

 2AE472

 2AE472

 13E464

 41E480

 00E458

 58E48E

 6EE49C

 85E4AA

 9CE4B8

 B3E4C6

 CAE4D4

 E0E4E2

 F7E4F0

# Harmonies

## Analogous

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



A8D72F



2AE472



00EABF

# Triad

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



2AE472



00D2FF



FF8686

# Complementary

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



2AE472



E42A9C

# 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.



FF7DD0



2AE472



BBB6FF

# Square

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



2AE472



00E3FF



FF93FF



FFA445

# Rectangle

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



2AE472



00EBF3



FF93FF



FF7F9E

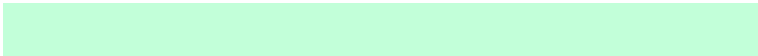


# Sweetspot

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



2AE472



C2FFD9



9DE42A



5B8069



000000



808080



# Same Dimension

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



2AE472



05FF66



2AE4CE



67736C



00B345



003314



# Inverse Universe

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



E42A9C



FF059E



E42A40



73676E



B3006D

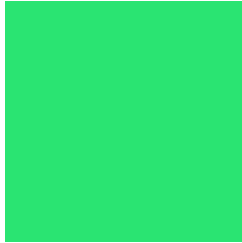


33001F



# Previews

## White Background



This preview shows how the Hex color 2AE472 looks on a white background.

## Color Contrast Check

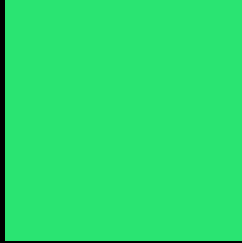
Large Text (above 18pt) WCAG AA × Fail

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 2AE472 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

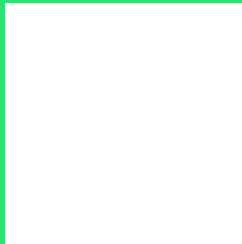
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2AE472 Background



This preview shows how black text looks on a background with the Hex color 2AE472.

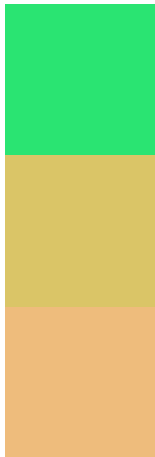


This preview shows how white text looks on a background with the Hex color 2AE472.

# 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](#).

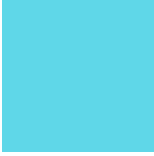
## Dichromacy



**Original Color**  
2AE472

**Protanopia**  
DAC567

**Deuteranopia**  
EEBC7C



**Tritanopia**  
5FD7E8

# Trichromacy



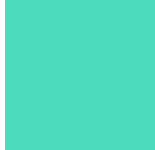
**Original Color**  
2AE472



**Protanomaly**  
9AD06B



**Deuteranomaly**  
A7CB78



**Tritanomaly**  
4CDCBD

# Monochromacy



**Original Color**  
2AE472



**Achromatopsia**  
9F9F9F



**Achromatomaly**  
74B88F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2AE472 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 #2AE472 looks like.

```
.text, #text, p{  
    color:#2AE472  
}
```

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 #2AE472 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2AE472
}
```

## Border

The CSS property to change the border of an element to Hex 2AE472 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
#2AE472 }
```

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

```
.border{ border-color:#2AE472 }
```

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

Here you see how a box with a 4 pixel #2AE472 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2AE472; -webkit-box-shadow:4px 4px  
4px 4px #2AE472; box-shadow:4px 4px 4px  
4px #2AE472 }
```

# Background

The CSS property to change the background color of an element to Hex 2AE472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2AE472 }
```

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

```
.background{ background-color:#2AE472 }
```

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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