

# Converting Colors

Hex(2AE531)

Have a look what the booklet for  
Hex(2AE531) contains.

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# Color

**Hex(2AE531)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2AE531
RGB	42, 229, 49
RGB Percent	16%, 90%, 19%
CMY	0.8353, 0.1020, 0.8078
CMYK	0.82, 0.00, 0.79, 0.10
HSL	122°, 78%, 53%
HSV	122°, 82%, 90%
XYZ	29.5285, 56.7526, 12.3038
YIQ	152.5670, -53.6720, -95.6240

# Conversions

## Conversions Part 2

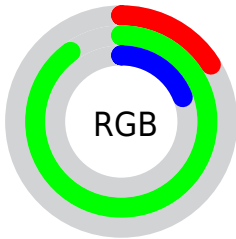
Format	Color
<a href="#">RYB</a>	42, 222, 229
Decimal	2811185
CIELab	80.04, -75.33, 68.89
CIELCh	80, 102.082, 137.554
Yxy	56.7526, 0.2995, 0.5757
Android (android.graphics.Color)	4281001265 (0xFF2AE531)
YUV	152.5670, -51.0585, -96.9673
Hunter-Lab	75.3343, -61.8691, 43.0507

# Details

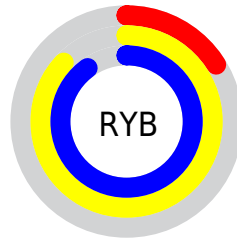
The Hex color **2AE531** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **E52ADE**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **7BFF6D**, and **00AC00** is the 20% darker color. If you saturate the color by 10%, you get **13E51B**, and if you desaturate by 10%, it is **41E547**.

# Distribution



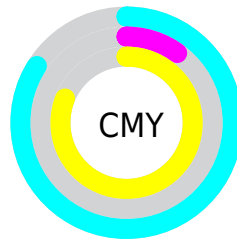
- Red (16%)
- Green (90%)
- Blue (19%)



- Red (16%)
- Yellow (87%)
- Blue (90%)



- Cyan (82%)
- Magenta (0%)
- Yellow (79%)
- Black (10%)



- Cyan (84%)
- Magenta (10%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2AE531 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 2AE531 by changing the saturation by 10% instead.





2AE531



2AE531

FFFFFF



00C800



7BFF6D



00AC00



9CFF89



009000



BCFFA6



007500



DBFFC3



005B00



FBFFE0



004100

FFFFFFE



002800



000000



2AE531



2AE531

 13E51B

 41E547

 00E509

 58E55D

 6FE573

 86E589

 9DE59F

 B3E5B5

 CAE5CB

 E1E5E1

 F8E5F7

# Harmonies

## Analogous

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



BAD300



2AE531



00EE9A

# Triad

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



2AE531



00DDFF



FF5693

# Complementary

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



2AE531



E52ADE

# 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.



FF5BF2



2AE531



46BFFF

# Square

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



2AE531



00ECFF



FF8FFF



FF8637

# Rectangle

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



2AE531



00F0DD



FF8FFF



FF4FB3

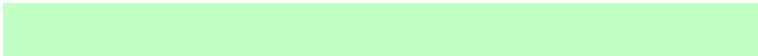


# Sweetspot

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



2AE531



C2FFC4



DFE52A



5B805C



000000



808080



# Same Dimension

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



2AE531



05FF0E



2AE58E



677368



00B307



003302



# Inverse Universe

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



E52ADE



FF05F6



E52A81



736772



B300AC

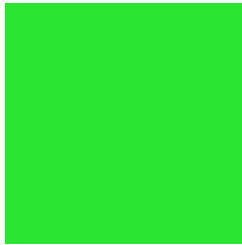


330031



# Previews

## White Background



This preview shows how the Hex color 2AE531 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 2AE531 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 2AE531 Background



This preview shows how black text looks on a background with the Hex color 2AE531.

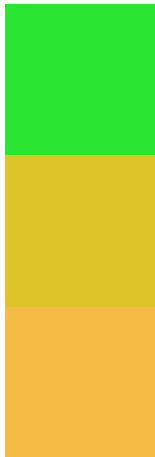


This preview shows how white text looks on a background with the Hex color 2AE531.

# 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](#).

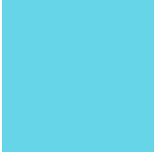
## Dichromacy



**Original Color**  
2AE531

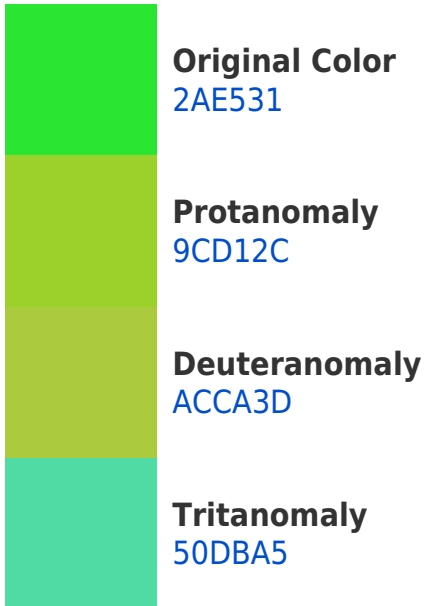
**Protanopia**  
DDC529

**Deuteranopia**  
F6BB44

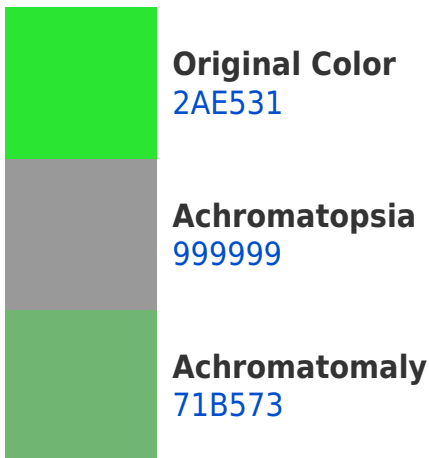


**Tritanopia**  
66D5E7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2AE531 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 #2AE531 looks like.

```
.text, #text, p{  
    color:#2AE531  
}
```

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 #2AE531 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2AE531
}
```

## Border

The CSS property to change the border of an element to Hex 2AE531 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
#2AE531 }
```

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

```
.border{ border-color:#2AE531 }
```

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

Here you see how a box with a 4 pixel #2AE531 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2AE531; -webkit-box-shadow:4px 4px  
4px 4px #2AE531; box-shadow:4px 4px 4px  
4px #2AE531 }
```

# Background

The CSS property to change the background color of an element to Hex 2AE531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2AE531 }
```

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

```
.background{ background-color:#2AE531 }
```

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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