

# Converting Colors

Hex(6AE231)

Have a look what the booklet for  
Hex(6AE231) contains.

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**Color**

**Hex(6AE231)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6AE231
RGB	106, 226, 49
RGB Percent	42%, 89%, 19%
CMY	0.5843, 0.1137, 0.8078
CMYK	0.53, 0.00, 0.78, 0.11
HSL	101°, 75%, 54%
HSV	101°, 78%, 89%
XYZ	33.6946, 57.6786, 12.2629
YIQ	169.9420, -14.7030, -80.4870

# Conversions

## Conversions Part 2

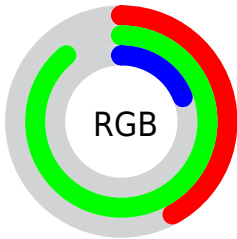
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 226, 169
Decimal	7004721
CIELab	80.56, -62.34, 69.90
CIELCh	81, 93.656, 131.727
Yxy	57.6786, 0.3251, 0.5565
Android (android.graphics.Color)	4285194801 (0xFF6AE231)
YUV	169.9420, -59.6244, -56.0771
Hunter-Lab	75.9465, -53.7125, 43.5891

# Details

The Hex color **6AE231** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **A931E2**, and the grayscale version is **ABABAB**.

A 20% lighter version of the original color is **A7FF6D**, and **20A900** is the 20% darker color. If you saturate the color by 10%, you get **5BE21A**, and if you desaturate by 10%, it is **79E248**.

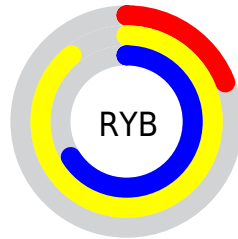
# Distribution



Red (42%)

Green (89%)

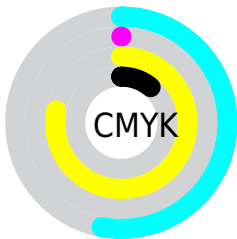
Blue (19%)



Red (19%)

Yellow (89%)

Blue (66%)

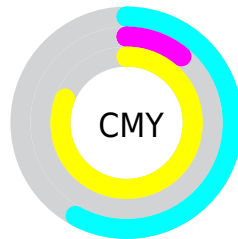


Cyan (53%)

Magenta (0%)

Yellow (78%)

Black (11%)



Cyan (58%)

Magenta (11%)

Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6AE231 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 6AE231 by changing the saturation by 10% instead.



 6AE231

 6AE231

FFFFFF

 49C500

 A7FF6D

 20A900

 C6FF89

 008E00

 E4FFA6

 007400

 FFFFC3

 005A00

 FFFFEO

 004100

FFFFFFE

 002900

 000400

 000000

 6AE231

 6AE231

 5BE21A

 79E248

 4BE204

 89E25E

 49E200

 98E275

 A7E28B

 B7E2A2

 C6E2B9

 D5E2CF

 E5E2E6

 F4E2FC

# Harmonies

## Analogous

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



D0CF00



6AE231



00EC8D

# Triad

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



6AE231



00E1FF



FF67A9

# Complementary

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



6AE231



A931E2

# 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.



FF74FF



6AE231



00C7FF

# Square

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



6AE231



00EDFF



F6A0FF



FF8756

# Rectangle

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



6AE231



00EFCB



F6A0FF



FF65C7

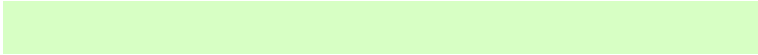


# Sweetspot

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



6AE231



D7FFC4



E2A731



67805C



000000



808080



# Same Dimension

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



6AE231



5CFF0F



31E24E



697065



39B000



103000



# Inverse Universe

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



A931E2



B20FFF



E231C4



6D6570



7700B0

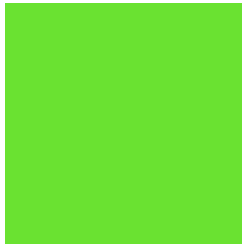


210030



# Previews

## White Background



This preview shows how the Hex color 6AE231 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 6AE231 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

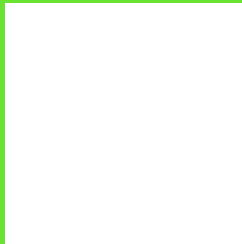
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 6AE231 Background



This preview shows how black text looks on a background with the Hex color 6AE231.

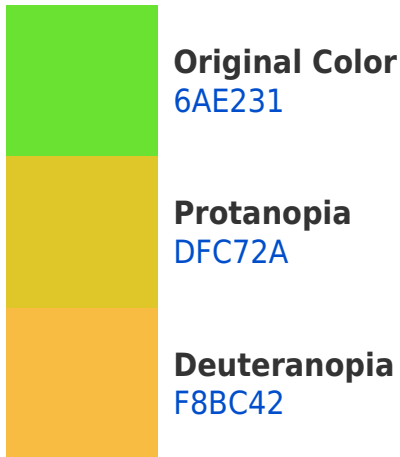


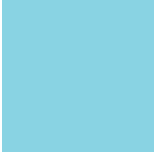
This preview shows how white text looks on a background with the Hex color 6AE231.

# 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](#).

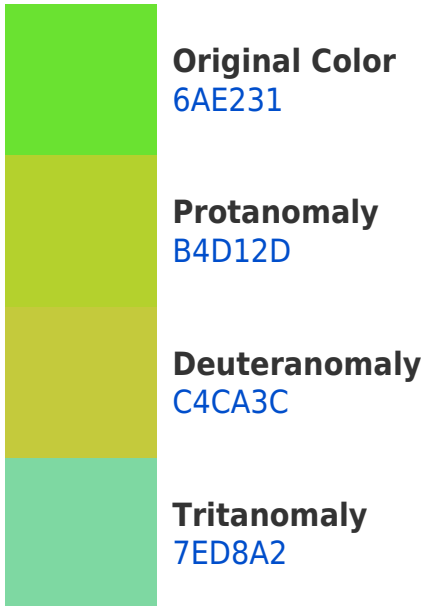
## Dichromacy



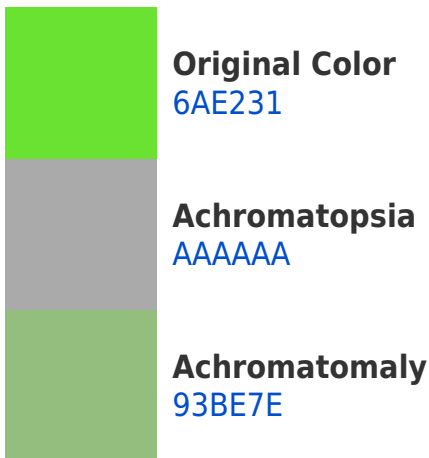


**Tritanopia**  
89D3E3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6AE231 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 #6AE231 looks like.

```
.text, #text, p{  
    color:#6AE231  
}
```

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 #6AE231 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6AE231
}
```

## Border

The CSS property to change the border of an element to Hex 6AE231 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
#6AE231 }
```

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

```
.border{ border-color:#6AE231 }
```

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

Here you see how a box with a 4 pixel #6AE231 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6AE231; -webkit-box-shadow:4px 4px  
4px 4px #6AE231; box-shadow:4px 4px 4px  
4px #6AE231 }
```

# Background

The CSS property to change the background color of an element to Hex 6AE231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6AE231 }
```

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

```
.background{ background-color:#6AE231 }
```

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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