

# Converting Colors

Hex(A235E7)

Have a look what the booklet for  
Hex(A235E7) contains.

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**Color**

**Hex(A235E7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A235E7
RGB	162, 53, 231
RGB Percent	64%, 21%, 91%
CMY	0.3647, 0.7922, 0.0941
CMYK	0.30, 0.77, 0.00, 0.09
HSL	277°, 79%, 56%
HSV	277°, 77%, 91%
XYZ	30.5972, 15.9971, 77.0764
YIQ	105.8830, 7.8260, 78.4660

# Conversions

## Conversions Part 2

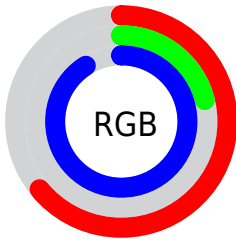
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	162, 53, 231
Decimal	10630631
CIE <sub>Lab</sub>	46.97, 71.25, -69.67
CIE <sub>LCh</sub>	47, 99.656, 315.641
Yxy	15.9971, 0.2474, 0.1294
Android (android.graphics.Color)	4288820711 (0xFFA235E7)
YUV	105.8830, 61.6827, 49.2146
Hunter-Lab	39.9964, 66.5587, -86.2593

# Details

The Hex color **A235E7** is a light color, and the websafe version is hex **9900CC**. The color can be described as light washed purple. A complement of this color would be **7AE735**, and the grayscale version is **696969**.

A 20% lighter version of the original color is **DE6FFF**, and **6700AE** is the 20% darker color. If you saturate the color by 10%, you get **991EE7**, and if you desaturate by 10%, it is **AB4CE7**.

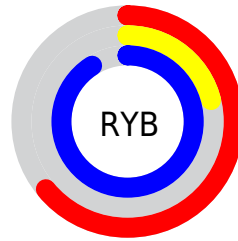
# Distribution



Red (64%)

Green (21%)

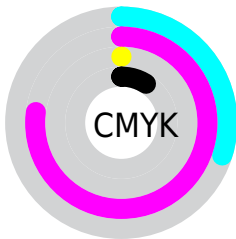
Blue (91%)



Red (64%)

Yellow (21%)

Blue (91%)

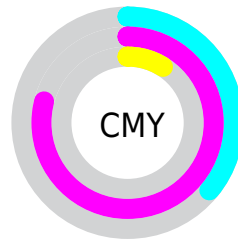


Cyan (30%)

Magenta (77%)

Yellow (0%)

Black (9%)



Cyan (36%)

Magenta (79%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color A235E7 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 A235E7 by changing the saturation by 10% instead.



 A235E7

 A235E7

FFFFFF

 850DCA

 DE6FFF

 6700AE

 FC8BFF

 490093

 FFA8FF

 280078

 FFC5FF

 00005E

 FFE2FF

 000046

 00042E

 000118

 000000

 A235E7

 A235E7

 991EE7

 AB4CE7

 9007E7

 B463E7

 8D00E7

 BD7AE7

 C691E7

 CFA9E7

 D8C0E7

 E1D7E7

 EAEEE7

 F3FFE7

# Harmonies

## Analogous

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



006DFF



A235E7



EA009B

# Triad

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



A235E7



A85D00



008F9B

# Complementary

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



A235E7



7AE735

# 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.



008C42



A235E7



5F7900

# Square

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



A235E7



DE1600



008700



008EE8

# Rectangle

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



A235E7



F80064



008700



008E7E



# Sweetspot

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



A235E7



E8C4FF



357CE7



725C80



000000



808080



# Same Dimension

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



A235E7



A414FF



E735D5



6E6773



6D00B3



1F0033



# Inverse Universe

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



E7357A



FF146F



35E747



73676C



B30045

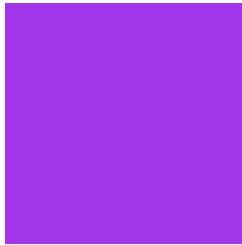


330014



# Previews

## White Background



This preview shows how the Hex color A235E7 looks on a white 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

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

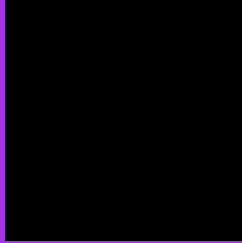
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex A235E7 Background



This preview shows how black text looks on a background with the Hex color A235E7.

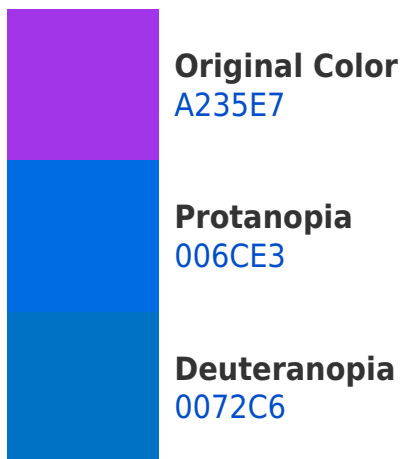



This preview shows how white text looks on a background with the Hex color A235E7.

# 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](#).

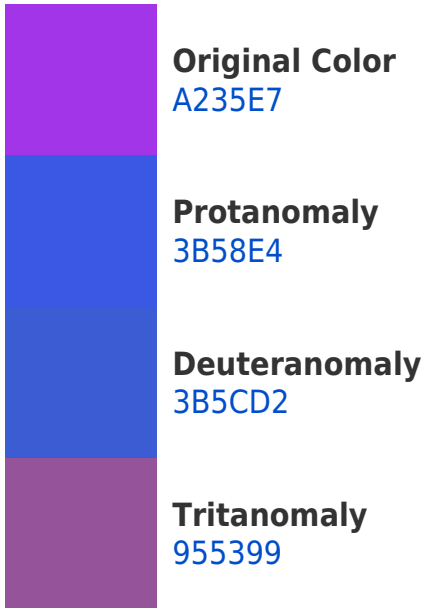
## Dichromacy



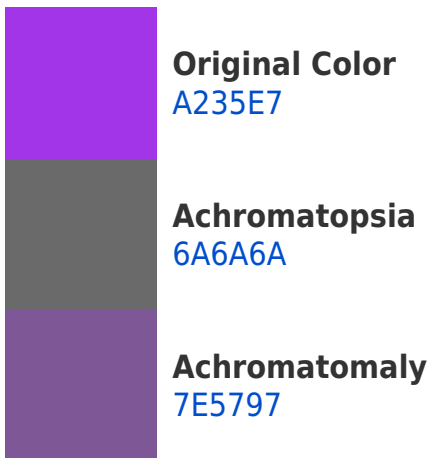


**Tritanopia**  
8D646C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex A235E7 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 #A235E7 looks like.

```
.text, #text, p{  
    color:#A235E7  
}
```

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 #A235E7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #A235E7
}
```

## Border

The CSS property to change the border of an element to Hex A235E7 is called "border". The border property can be set on classes, ids or directly on the HTML element.

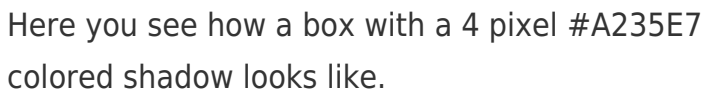
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#A235E7 }
```

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

```
.border{ border-color:#A235E7 }
```

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



Here you see how a box with a 4 pixel `#A235E7` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #A235E7; -webkit-box-shadow:4px 4px  
4px 4px #A235E7; box-shadow:4px 4px 4px  
4px #A235E7 }
```

# Background

The CSS property to change the background color of an element to Hex A235E7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#A235E7 }
```

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

```
.background{ background-color:#A235E7 }
```

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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