

# Converting Colors

Hex(A233B8)

Have a look what the booklet for  
Hex(A233B8) contains.

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# Color

**Hex(A233B8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A233B8
RGB	162, 51, 184
RGB Percent	64%, 20%, 72%
CMY	0.3647, 0.8000, 0.2784
CMYK	0.12, 0.72, 0.00, 0.28
HSL	290°, 57%, 46%
HSV	290°, 72%, 72%
XYZ	24.7358, 13.5097, 46.6513
YIQ	99.3510, 23.4630, 64.8950

# Conversions

## Conversions Part 2

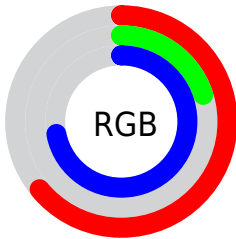
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	162, 51, 184
Decimal	10630072
CIE <sub>Lab</sub>	43.52, 62.67, -48.15
CIE <sub>LCh</sub>	44, 79.032, 322.463
Yxy	13.5097, 0.2914, 0.1591
Android (android.graphics.Color)	4288820152 (0xFFA233B8)
YUV	99.3510, 41.7320, 54.9432
Hunter-Lab	36.7556, 55.8050, -49.5238

# Details

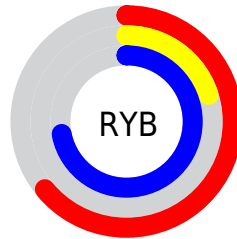
The Hex color **A233B8** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **49B833**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **DC6CF1**, and **6A0082** is the 20% darker color. If you saturate the color by 10%, you get **9F21B8**, and if you desaturate by 10%, it is **A545B8**.

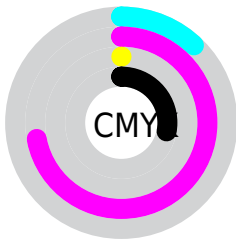
# Distribution



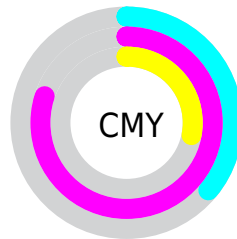
- Red (64%)
- Green (20%)
- Blue (72%)



- Red (64%)
- Yellow (20%)
- Blue (72%)



- Cyan (12%)
- Magenta (72%)
- Yellow (0%)
- Black (28%)



- Cyan (36%)
- Magenta (80%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color A233B8 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 A233B8 by changing the saturation by 10% instead.



 A233B8

 A233B8

FFFFFF

 860E9D

 DC6CF1

 6A0082

 FA88FF

 4F0068


 FFA4FF

 340050

 FFC0FF

 180038

 FFDDFF

 000221

 FFFAFF

 000006

 000000

 A233B8

 A233B8

 9F21B8

 A545B8

 9C0EB8

 A858B8

 9A00B8

 AB6AB8

 AE7DB8

 B18FB8

 B4A1B8

 B7B4B8

 BAC6B8

 BDD9B8

# Harmonies

## Analogous

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



115DE2



A233B8



CE007A

# Triad

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



A233B8



8C5F00



008198

# Complementary

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



A233B8



49B833

# 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.



008054



A233B8



4F7200

# Square

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



A233B8



B93C00



007C00



007FCF

# Rectangle

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



A233B8



D5004F



007C00



008182



# Sweetspot

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



A233B8



E7BBF0



3349B8



735978



F7F7F7



787878



# Same Dimension

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



A233B8



CD1FF0



B8338C



5A535C



82009C



17001C



# Inverse Universe

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



B83349



F01F42



33B85F



5C5354



9C001A



1C0005



# Previews

## White Background



This preview shows how the Hex color A233B8 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

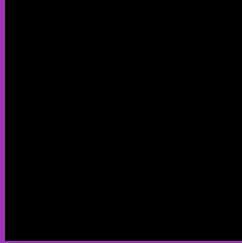
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex A233B8 Background



This preview shows how black text looks on a background with the Hex color A233B8.

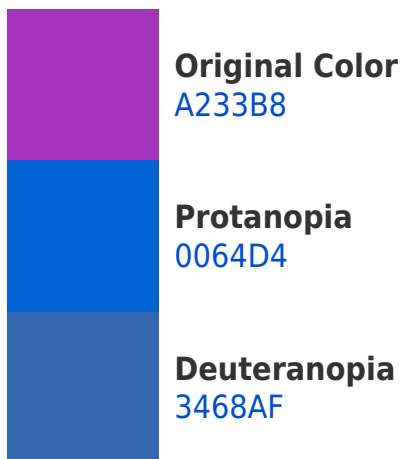



This preview shows how white text looks on a background with the Hex color A233B8.

# 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**  
96545A

# Trichromacy



**Original Color**  
A233B8



**Protanomaly**  
3B52CA



**Deuteranomaly**  
5C55B2



**Tritanomaly**  
9A487C

# Monochromacy



**Original Color**  
A233B8



**Achromatopsia**  
636363



**Achromatomaly**  
7A5282

# CSS Examples

## Text

The CSS property to change the color of the text to Hex A233B8 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 #A233B8 looks like.

```
.text, #text, p{  
    color:#A233B8  
}
```

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 #A233B8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #A233B8
}
```

## Border

The CSS property to change the border of an element to Hex A233B8 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
#A233B8 }
```

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

```
.border{ border-color:#A233B8 }
```

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

Here you see how a box with a 4 pixel #A233B8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #A233B8; -webkit-box-shadow:4px 4px  
4px 4px #A233B8; box-shadow:4px 4px 4px  
4px #A233B8 }
```

# Background

The CSS property to change the background color of an element to Hex A233B8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#A233B8 }
```

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

```
.background{ background-color:#A233B8 }
```

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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