

# Converting Colors

Hex(A45BDA)

Have a look what the booklet for  
Hex(A45BDA) contains.

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# Color

Hex(A45BDA)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A45BDA
RGB	164, 91, 218
RGB Percent	64%, 36%, 85%
CMY	0.3569, 0.6431, 0.1451
CMYK	0.25, 0.58, 0.00, 0.15
HSL	274°, 63%, 61%
HSV	274°, 58%, 85%
XYZ	31.7058, 20.4366, 68.6033
YIQ	127.3050, 2.7410, 54.9730

# Conversions

## Conversions Part 2

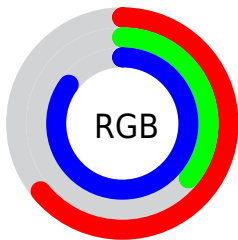
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 91, 218
Decimal	10771418
CIELab	52.33, 52.25, -53.65
CIElCh	52, 74.892, 314.242
Yxy	20.4366, 0.2626, 0.1693
Android (android.graphics.Color)	4288961498 (0xFFA45BDA)
YUV	127.3050, 44.7126, 32.1815
Hunter-Lab	45.2069, 46.0787, -58.3301

# Details

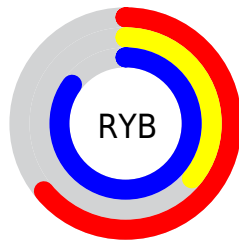
The Hex color **A45BDA** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **91DA5B**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **DE90FF**, and **6C26A2** is the 20% darker color. If you saturate the color by 10%, you get **9B45DA**, and if you desaturate by 10%, it is **AD71DA**.

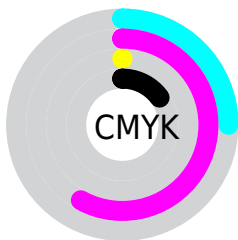
# Distribution



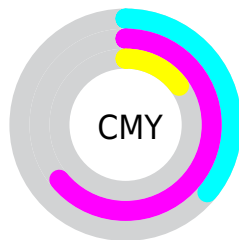
- Red (64%)
- Green (36%)
- Blue (85%)



- Red (64%)
- Yellow (36%)
- Blue (85%)



- Cyan (25%)
- Magenta (58%)
- Yellow (0%)
- Black (15%)



- Cyan (36%)
- Magenta (64%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Hex color A45BDA 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 A45BDA by changing the saturation by 10% instead.



 A45BDA

 A45BDA

FFFFFF

 8841BE

 DE90FF

 6C26A2

 FBACFF

 510587

 FFC8FF

 35006D

 FFE4FF

 190054

 00003C

 000225

 00010E

 000000

 A45BDA

 A45BDA

 9B45DA

 AD71DA

 912FDA

 B787DA

 881ADA

 C09CDA

 7F04DA

 C9B2DA

 7D00DA

 D2C8DA

 DCDEDA

 E5F4DA

 EEFFDA

 F7FFDA

# Harmonies

## Analogous

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



007BFB



A45BDA



DD35A1

# Triad

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



A45BDA



B36D00



00999B

# Complementary

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



A45BDA



91DA5B

# 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.



009757



A45BDA



7B8300

# Square

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



A45BDA



DB4D23



259008



0097D6

# Rectangle

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



A45BDA



EB2777



259008



009885



# Sweetspot

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



A45BDA



EDD4FF



5B92DA



756680



000000



808080



# Same Dimension

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



A45BDA



B34DFF



DA5BD2



69636E



6400AD



1A002E



# Inverse Universe

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



DA5B91



FF4D98



5BDA63



6E6367



AD004A

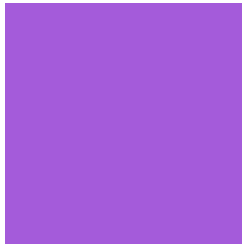


2E0014



# Previews

## White Background



This preview shows how the Hex color A45BDA looks on a white background.

## Color Contrast Check

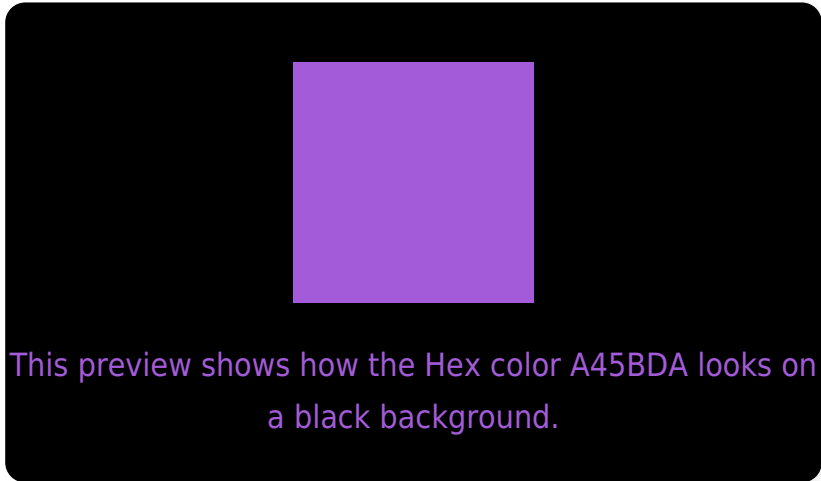
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# 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 × Fail

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



## Hex A45BDA Background



This preview shows how black text looks on a background with the Hex color A45BDA.

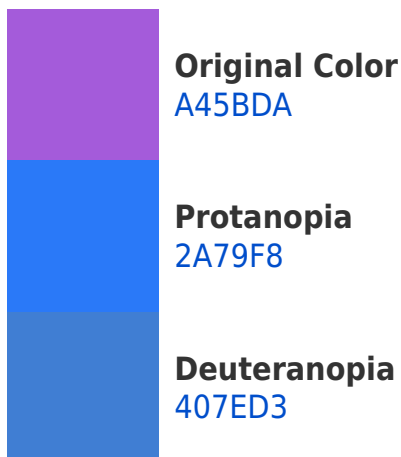


This preview shows how white text looks on a background with the Hex color A45BDA.

# 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](#).

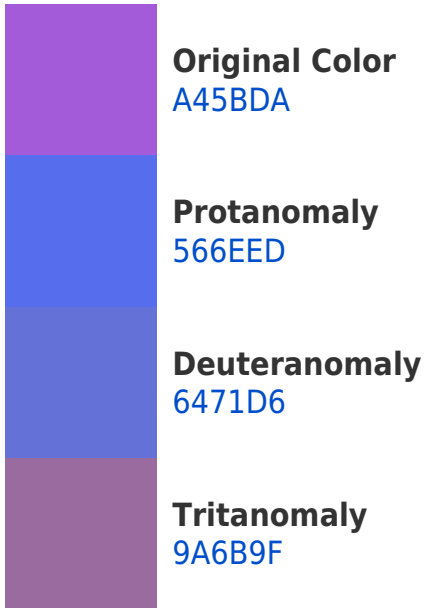
## Dichromacy



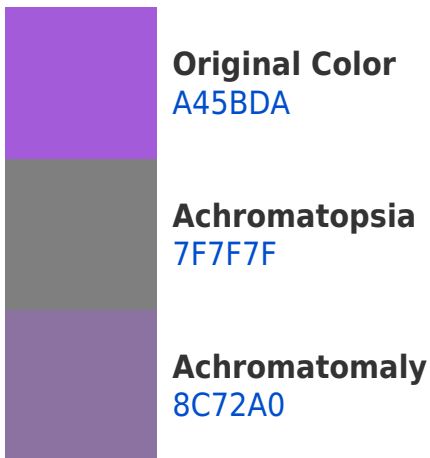


**Tritanopia**  
94747D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex A45BDA 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 #A45BDA looks like.

```
.text, #text, p{  
    color:#A45BDA  
}
```

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 #A45BDA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #A45BDA
}
```

## Border

The CSS property to change the border of an element to Hex A45BDA 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
#A45BDA }
```

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

```
.border{ border-color:#A45BDA }
```

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

Here you see how a box with a 4 pixel #A45BDA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #A45BDA; -webkit-box-shadow:4px 4px  
4px 4px #A45BDA; box-shadow:4px 4px 4px  
4px #A45BDA }
```

# Background

The CSS property to change the background color of an element to Hex A45BDA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#A45BDA }
```

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

```
.background{ background-color:#A45BDA }
```

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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