

# Converting Colors

Hex(5129AA)

Have a look what the booklet for  
Hex(5129AA) contains.

<b>Hex(5129AA)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(5129AA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5129AA
RGB	81, 41, 170
RGB Percent	32%, 16%, 67%
CMY	0.6824, 0.8392, 0.3333
CMYK	0.52, 0.76, 0.00, 0.33
HSL	259°, 61%, 41%
HSV	259°, 76%, 67%
XYZ	11.4420, 6.2375, 38.6311
YIQ	67.6660, -17.5690, 48.5990

# Conversions

## Conversions Part 2

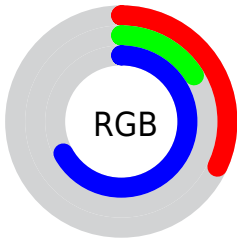
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	81, 41, 170
Decimal	5319082
CIE Lab	30.00, 48.59, -62.27
CIE LCh	30, 78.984, 307.966
Yxy	6.2375, 0.2032, 0.1108
Android (android.graphics.Color)	4283509162 (0xFF5129AA)
YUV	67.6660, 50.4507, 11.6939
Hunter-Lab	24.9750, 38.0714, -74.2269

# Details

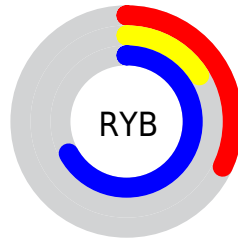
The Hex color **5129AA** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **82AA29**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **8B5BE2**, and **050074** is the 20% darker color. If you saturate the color by 10%, you get **4518AA**, and if you desaturate by 10%, it is **5D3AAA**.

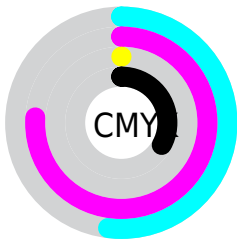
# Distribution



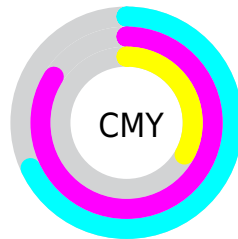
- Red (32%)
- Green (16%)
- Blue (67%)



- Red (32%)
- Yellow (16%)
- Blue (67%)



- Cyan (52%)
- Magenta (76%)
- Yellow (0%)
- Black (33%)



- Cyan (68%)
- Magenta (84%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5129AA 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 5129AA by changing the saturation by 10% instead.



■ 5129AA

■ 5129AA

FFFFFF

■ 320F8F

■ 8B5BE2

■ 050074

■ A874FF

■ 00005B

■ C58FFF

■ 000342

■ E2AAFF

■ 00032B

■ FFC6FF

■ 000116

■ FFE2FF

■ 000000

■ 5129AA

■ 5129AA

■ 4518AA

■ 5D3AAA

■ 3A07AA

■ 684BAA

■ 3500AA

■ 745CAA

■ 806DAA

■ 8C7EAA

■ 978FAA

■ A3A0AA

■ AFB1AA

■ BBC2AA

# Harmonies

## Analogous

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



004CC4



5129AA



970076

# Triad

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



5129AA



7A3000



005D56

# Complementary

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



5129AA



82AA29

# 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.



005A11



5129AA



494A00

# Square

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



5129AA



9D0000



005600



005D92

# Rectangle

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



5129AA



A8004E



005600



005C41



# Sweetspot

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



5129AA



BBABDE



2983AA



5B5170



F0F0F0



707070



# Same Dimension

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



5129AA



5314DE



9029AA



4E4C54



2E0094



060014



# Inverse Universe

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



AA2982



DE149F



43AA29



544C52



940066

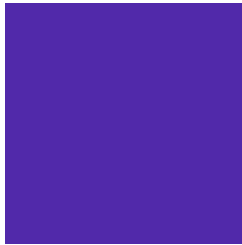


14000E



# Previews

## White Background



This preview shows how the Hex color 5129AA looks on a white background.

## Color Contrast Check

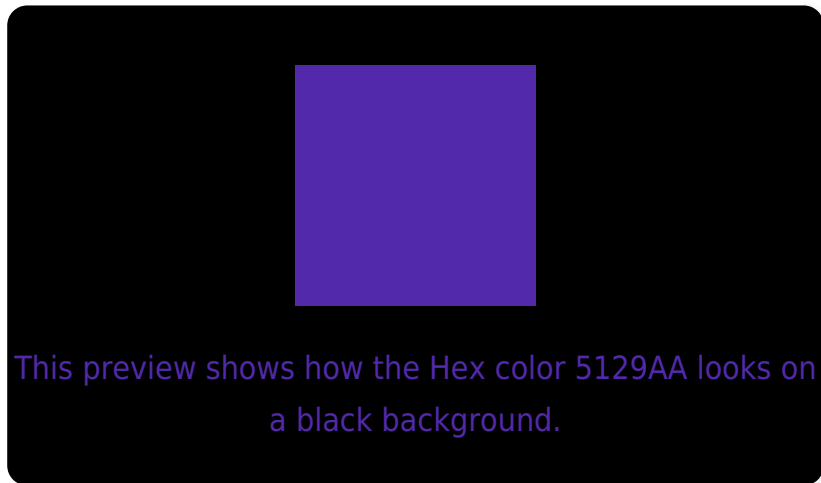
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

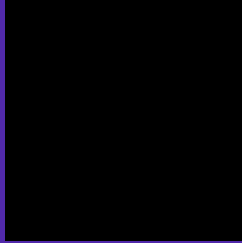
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5129AA Background



This preview shows how black text looks on a background with the Hex color 5129AA.

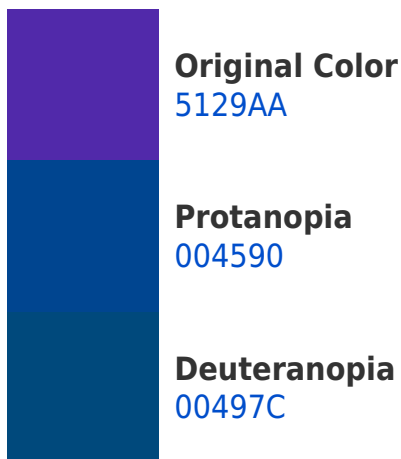


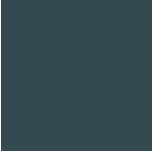
This preview shows how white text looks on a background with the Hex color 5129AA.

# 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**  
354A50

# Trichromacy



**Original Color**  
5129AA

**Protanomaly**  
1D3B99

**Deuteranomaly**  
1D3D8D

**Tritanomaly**  
3F3E71

# Monochromacy



**Original Color**  
5129AA

**Achromatopsia**  
444444

**Achromatomaly**  
493A69

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5129AA 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 #5129AA looks like.

```
.text, #text, p{  
    color:#5129AA  
}
```

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 #5129AA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5129AA
}
```

## Border

The CSS property to change the border of an element to Hex 5129AA 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
#5129AA }
```

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

```
.border{ border-color:#5129AA }
```

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

Here you see how a box with a 4 pixel #5129AA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5129AA; -webkit-box-shadow:4px 4px  
4px 4px #5129AA; box-shadow:4px 4px 4px  
4px #5129AA }
```

# Background

The CSS property to change the background color of an element to Hex 5129AA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5129AA }
```

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

```
.background{ background-color:#5129AA }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor