

# Converting Colors

Hex(5023BA)

Have a look what the booklet for  
Hex(5023BA) contains.

<b>Hex(5023BA)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(5023BA)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5023BA
RGB	80, 35, 186
RGB Percent	31%, 14%, 73%
CMY	0.6863, 0.8627, 0.2706
CMYK	0.57, 0.81, 0.00, 0.27
HSL	258°, 68%, 43%
HSV	258°, 81%, 73%
XYZ	12.7722, 6.4527, 47.0267
YIQ	65.6690, -21.6510, 56.5010

# Conversions

## Conversions Part 2

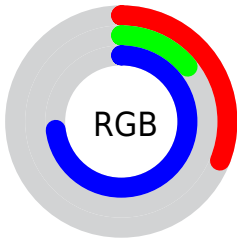
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	80, 35, 186
Decimal	5252026
CIE <sub>Lab</sub>	30.53, 55.55, -70.96
CIE <sub>LCh</sub>	31, 90.120, 308.057
Yxy	6.4527, 0.1928, 0.0974
Android (android.graphics.Color)	4283442106 (0xFF5023BA)
YUV	65.6690, 59.3232, 12.5683
Hunter-Lab	25.4022, 45.2960, -91.9812

# Details

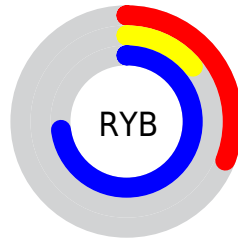
The Hex color **5023BA** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **8DBA23**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **8C57F3**, and **000083** is the 20% darker color. If you saturate the color by 10%, you get **4310BA**, and if you desaturate by 10%, it is **5D36BA**.

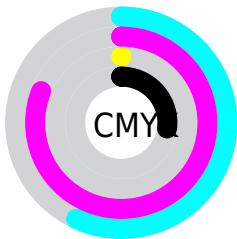
# Distribution



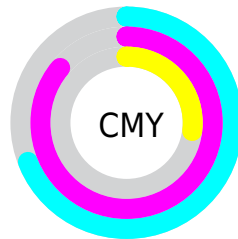
- Red (31%)
- Green (14%)
- Blue (73%)



- Red (31%)
- Yellow (14%)
- Blue (73%)



- Cyan (57%)
- Magenta (81%)
- Yellow (0%)
- Black (27%)



- Cyan (69%)
- Magenta (86%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5023BA 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 5023BA by changing the saturation by 10% instead.



■ 5023BA

■ 5023BA

FFFFFF

■ 2E039E

■ 8C57F3

■ 000083

■ AA71FF

■ 000069

■ C88BFF

■ 000050

■ E6A6FF

■ 000538

■ FFC2FF

■ 000222

■ FFDFFF

■ 000007

■ FFFCFF

■ 000000

■ 5023BA

■ 5023BA

■ 4310BA

■ 5D36BA

■ 3700BA

■ 6A48BA

■ 775BBA

■ 846DBA

■ 9180BA

■ 9E93BA

■ ABA5BA

■ B8B8BA

■ C6CABA

# Harmonies

## Analogous

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



004ED9



5023BA



A3007E

# Triad

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



5023BA



802D00



005F5A

# Complementary

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



5023BA



8DBA23

# 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.



005D07



5023BA



484C00

# Square

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



5023BA



A80000



005800



00619F

# Rectangle

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



5023BA



B60050



005800



005F41



# Sweetspot

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



5023BA



C9B8F2



238FBA



61577A



FAFAFA



7A7A7A



# Same Dimension

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



5023BA



4D07F2



9923BA



55535C



2E009C



08001C



# Inverse Universe

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



BA238D



F207AC



44BA23



5C5359



9C006D

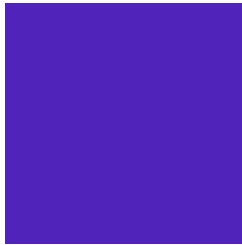


1C0014



# Previews

## White Background



This preview shows how the Hex color 5023BA looks on a white background.

## Color Contrast Check

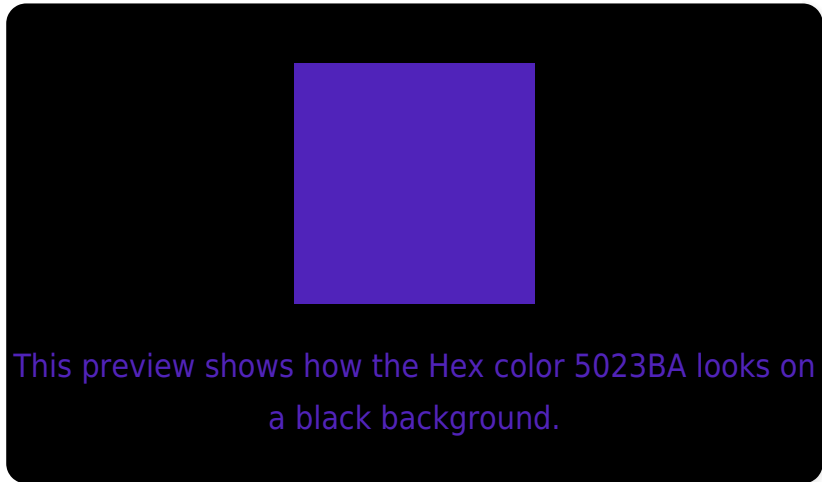
Large Text (above 18pt) WCAG AA ✓ Pass

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

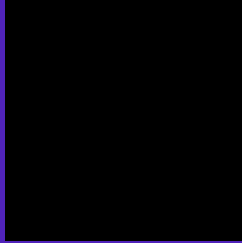
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5023BA Background



This preview shows how black text looks on a background with the Hex color 5023BA.



This preview shows how white text looks on a background with the Hex color 5023BA.

# 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](#).

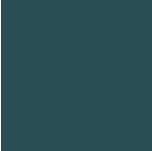
## Dichromacy



**Original Color**  
5023BA

**Protanopia**  
004693

**Deuteranopia**  
004A7D



**Tritanopia**  
294E54

# Trichromacy



**Original Color**  
5023BA

**Protanomaly**  
1D39A1

**Deuteranomaly**  
1D3C93

**Tritanomaly**  
373E79

# Monochromacy



**Original Color**  
5023BA

**Achromatopsia**  
424242

**Achromatomaly**  
47376E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5023BA 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 #5023BA looks like.

```
.text, #text, p{  
    color:#5023BA  
}
```

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 #5023BA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5023BA
}
```

## Border

The CSS property to change the border of an element to Hex 5023BA 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".

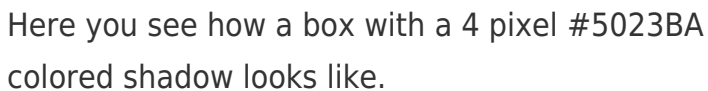
```
.border, #border, table{ border:4px solid
#5023BA }
```

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

```
.border{ border-color:#5023BA }
```

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

Here you see how a box with a 4 pixel #5023BA colored shadow looks like.

A rectangular box with a thick purple border and a purple shadow. The box is white with a purple border and a purple shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5023BA; -webkit-box-shadow:4px 4px  
4px 4px #5023BA; box-shadow:4px 4px 4px  
4px #5023BA }
```

# Background

The CSS property to change the background color of an element to Hex 5023BA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5023BA }
```

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

```
.background{ background-color:#5023BA }
```

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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