

# Converting Colors

Hex(4523BB)

Have a look what the booklet for  
Hex(4523BB) contains.

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# Color

Hex(4523BB)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4523BB
RGB	69, 35, 187
RGB Percent	27%, 14%, 73%
CMY	0.7294, 0.8627, 0.2667
CMYK	0.63, 0.81, 0.00, 0.27
HSL	253°, 68%, 44%
HSV	253°, 81%, 73%
XYZ	12.0249, 6.0551, 47.5487
YIQ	62.4940, -28.5280, 54.4800

# Conversions

## Conversions Part 2

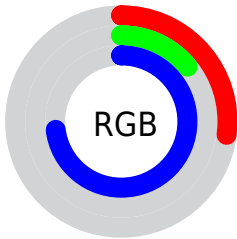
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	69, 35, 187
Decimal	4531131
CIE <sub>Lab</sub>	29.55, 54.67, -73.20
CIE <sub>LCh</sub>	30, 91.359, 306.752
Yxy	6.0551, 0.1832, 0.0923
Android (android.graphics.Color)	4282721211 (0xFF4523BB)
YUV	62.4940, 61.3815, 5.7058
Hunter-Lab	24.6072, 44.1660, -97.3416

# Details

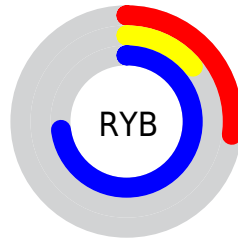
The Hex color **4523BB** is a dark color, and the websafe version is hex **3333CC**. A complement of this color would be **99BB23**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **8456F4**, and **000084** is the 20% darker color. If you saturate the color by 10%, you get **3610BB**, and if you desaturate by 10%, it is **5436BB**.

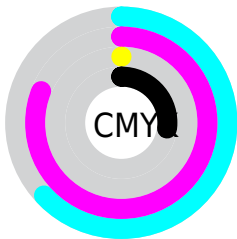
# Distribution



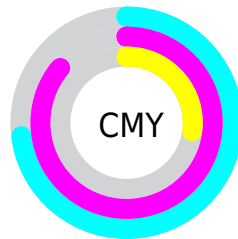
- Red (27%)
- Green (14%)
- Blue (73%)



- Red (27%)
- Yellow (14%)
- Blue (73%)



- Cyan (63%)
- Magenta (81%)
- Yellow (0%)
- Black (27%)



- Cyan (73%)
- Magenta (86%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4523BB 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 4523BB by changing the saturation by 10% instead.



■ 4523BB

■ 4523BB

FFFFFF

■ 1D059F

■ 8456F4

■ 000084

■ A270FF

■ 00006A

■ C08AFF

■ 000351

■ DEA5FF

■ 000539

■ FCC1FF

■ 000222

■ FFD0FF

■ 000008

■ FFFAFF

■ 000000

■ 4523BB

■ 4523BB

■ 3610BB

■ 5436BB

■ 2A00BB

■ 6248BB

■ 715BBB

■ 7F6EBB

■ 8E81BB

■ 9C93BB

■ ABA6BB

■ B9B9BB

■ C8CBBB

# Harmonies

## Analogous

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



004ED8



4523BB



9F007F

# Triad

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



4523BB



802800



005D55

# Complementary

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



4523BB



99BB23

# 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.



005B00



4523BB



484900

# Square

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



4523BB



A80000



005600



005E9B

# Rectangle

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



4523BB



B30051



005600



005C3C



# Sweetspot

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



4523BB



C5B8F2



239ABB



5F577A



FAFAFA



7A7A7A



# Same Dimension

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



4523BB



3A05F2



9023BB



57555E



23009E



07001F



# Inverse Universe

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



BB2399



F205BD



4EBB23



5E555C



9E007B

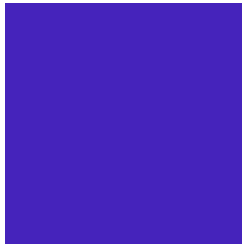


1F0018



# Previews

## White Background



This preview shows how the Hex color 4523BB looks on a white background.

## Color Contrast Check

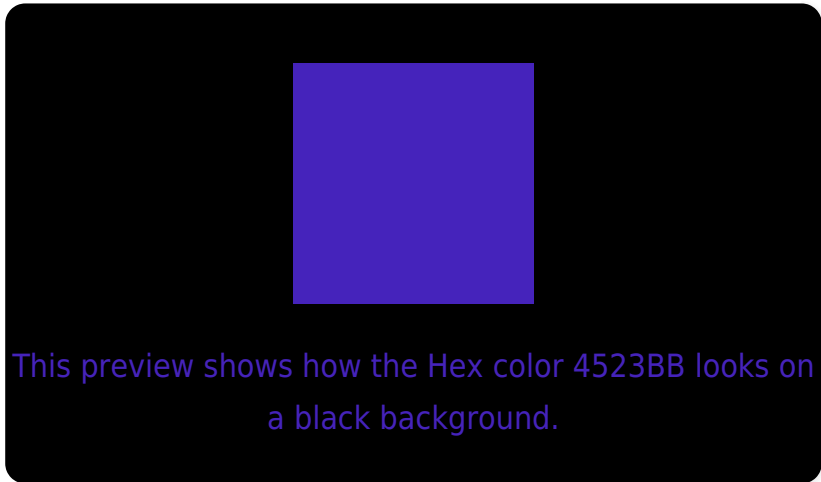
Large Text (above 18pt) WCAG AA ✓ Pass

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

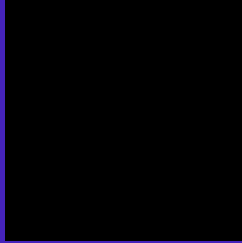
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4523BB Background



This preview shows how black text looks on a background with the Hex color 4523BB.



This preview shows how white text looks on a background with the Hex color 4523BB.

# 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**  
4523BB

**Protanopia**  
00438E

**Deuteranopia**  
004879



**Tritanopia**  
004D53

# Trichromacy



**Original Color**  
4523BB

**Protanomaly**  
19379E

**Deuteranomaly**  
193B91

**Tritanomaly**  
193E79

# Monochromacy



**Original Color**  
4523BB

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
41346B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4523BB 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 #4523BB looks like.

```
.text, #text, p{  
    color:#4523BB  
}
```

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 #4523BB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4523BB  
}
```

## Border

The CSS property to change the border of an element to Hex 4523BB is called "border". The border property can be set on classes, ids or directly on the HTML element.

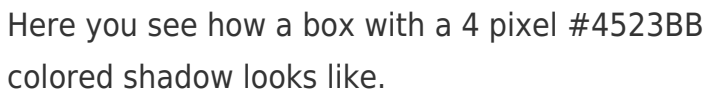
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#4523BB }
```

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

```
.border{ border-color:#4523BB }
```

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



Here you see how a box with a 4 pixel #4523BB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4523BB; -webkit-box-shadow:4px 4px  
4px 4px #4523BB; box-shadow:4px 4px 4px  
4px #4523BB }
```

# Background

The CSS property to change the background color of an element to Hex 4523BB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4523BB }
```

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

```
.background{ background-color:#4523BB }
```

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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